

FirstCare Assistant Surgeon List (Reference Only)

Authorization is not required for an Assistant Surgeon. This list is a reference only.

When a provider bills with a modifier AS, 80, 81 or 82 and a CPT code listed below the assistant surgeon claim will pay. If the code is not listed below the claim will not pay.

Search through the document by typing Ctrl + F on your keyboard to locate the specific procedure code (CPT).

Effective 1/28/2016

CPT-4	Description
0051T	Implantation of a total replacement heart system (artificial heart) with recipient cardiectomy
0052T	Replacement or repair of thoracic unit of a total replacement heart system (artificial heart)
0053T	Replacement or repair of implantable component or components of total replacement heart system (artificial heart), excluding thoracic unit
0054T	Computer-assisted musculoskeletal surgical navigational orthopedic procedure, with image-guidance based on fluoroscopic images (List separately in addition to code for primary procedure)
0055T	Computer-assisted musculoskeletal surgical navigational orthopedic procedure, with image-guidance based on CT/MRI images (List separately in addition to code for primary procedure)
0095T	Removal of total disc arthroplasty (artificial disc), anterior approach, each additional interspace, cervical (List separately in addition to code for primary procedure)
0098T	Revision including replacement of total disc arthroplasty (artificial disc), anterior approach, each additional interspace, cervical (List separately in addition to code for primary procedure)
0163T	Total disc arthroplasty (artificial disc), anterior approach, including discectomy to prepare interspace (other than for decompression), each additional interspace, lumbar (List separately in addition to code for primary procedure)
0164T	Removal of total disc arthroplasty, (artificial disc), anterior approach, each additional interspace, lumbar (List separately in addition to code for primary procedure)
0165T	Revision including replacement of total disc arthroplasty (artificial disc), anterior approach, each additional interspace, lumbar (List separately in addition to code for primary procedure)
0171T	Insertion of posterior spinous process distraction device (including necessary removal of bone or ligament for insertion and imaging guidance), lumbar; single level
0172T	Insertion of posterior spinous process distraction device (including necessary removal of bone or ligament for insertion and imaging guidance), lumbar; each additional level (List separately in addition to code for primary procedure)
0184T	Excision of rectal tumor, transanal endoscopic microsurgical approach (ie, TEMS), including muscularis propria (ie, full thickness)
0195T	Arthrodesis, pre-sacral interbody technique, disc space preparation, discectomy, without instrumentation, with image guidance, includes bone graft when performed; L5-S1 interspace
0196T	Arthrodesis, pre-sacral interbody technique, disc space preparation, discectomy, without instrumentation, with image guidance, includes bone graft when performed; L4-L5 interspace (List separately in addition to code for primary procedure)
0202T	Posterior vertebral joint(s) arthroplasty (eg, facet joint[s] replacement), including facetectomy, laminectomy, foraminotomy, and vertebral column fixation, injection of bone cement, when performed, including fluoroscopy, single level, lumbar spine

0274T	Percutaneous laminotomy/laminectomy (interlaminar approach) for decompression of neural elements, (with or without ligamentous resection, discectomy, facetectomy and/or foraminotomy), any method, under indirect image guidance (eg, fluoroscopic, CT), with or without the use of an endoscope, single or multiple levels, unilateral or bilateral; cervical or thoracic
0275T	Percutaneous laminotomy/laminectomy (interlaminar approach) for decompression of neural elements, (with or without ligamentous resection, discectomy, facetectomy and/or foraminotomy), any method, under indirect image guidance (eg, fluoroscopic, CT), with or without the use of an endoscope, single or multiple levels, unilateral or bilateral; lumbar
0309T	Arthrodesis, pre-sacral interbody technique, including disc space preparation, discectomy, with posterior instrumentation, with image guidance, includes bone graft, when performed, lumbar, L4-L5 interspace (List separately in addition to code for primary procedure)
0312T	Vagus nerve blocking therapy (morbid obesity); laparoscopic implantation of neurostimulator electrode array, anterior and posterior vagal trunks adjacent to esophagogastric junction (EGJ), with implantation of pulse generator, includes programming
0313T	Vagus nerve blocking therapy (morbid obesity); laparoscopic revision or replacement of vagal trunk neurostimulator electrode array, including connection to existing pulse generator
0314T	Vagus nerve blocking therapy (morbid obesity); laparoscopic removal of vagal trunk neurostimulator electrode array and pulse generator
0335T	Extra-osseous subtalar joint implant for talotarsal stabilization
0336T	Laparoscopy, surgical, ablation of uterine fibroid(s), including intraoperative ultrasound guidance and monitoring, radiofrequency
0375T	Total disc arthroplasty (artificial disc), anterior approach, including discectomy with end plate preparation (includes osteophylectomy for nerve root or spinal cord decompression and microdissection), cervical, three or more levels
0396T	Intra-operative use of kinetic balance sensor for implant stability during knee replacement arthroplasty (List separately in addition to code for primary procedure)
0420T	Destruction neurofibromata, extensive, (cutaneous, dermal extending into subcutaneous); trunk and extremities, extensive, greater than 100 neurofibromata
11004	Debridement of skin, subcutaneous tissue, muscle and fascia for necrotizing soft tissue infection; external genitalia and perineum
11005	Debridement of skin, subcutaneous tissue, muscle and fascia for necrotizing soft tissue infection; abdominal wall, with or without fascial closure
11006	Debridement of skin, subcutaneous tissue, muscle and fascia for necrotizing soft tissue infection; external genitalia, perineum and abdominal wall, with or without fascial closure
11008	Removal of prosthetic material or mesh, abdominal wall for infection (eg, for chronic or recurrent mesh infection or necrotizing soft tissue infection) (List separately in addition to code for primary procedure)
14301	Adjacent tissue transfer or rearrangement, any area; defect 30.1 sq cm to 60.0 sq cm

14302	Adjacent tissue transfer or rearrangement, any area; each additional 30.0 sq cm, or part thereof (List separately in addition to code for primary procedure)
15002	Surgical preparation or creation of recipient site by excision of open wounds, burn eschar, or scar (including subcutaneous tissues), or incisional release of scar contracture, trunk, arms, legs; first 100 sq cm or 1% of body area of infants and children
15003	Surgical preparation or creation of recipient site by excision of open wounds, burn eschar, or scar (including subcutaneous tissues), or incisional release of scar contracture, trunk, arms, legs; each additional 100 sq cm, or part thereof, or each additional 1% of body area of infants and children (List separately in addition to code for primary procedure)
15004	Surgical preparation or creation of recipient site by excision of open wounds, burn eschar, or scar (including subcutaneous tissues), or incisional release of scar contracture, face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet and/or multiple digits; first 100 sq cm or 1% of body area of infants and children
15005	Surgical preparation or creation of recipient site by excision of open wounds, burn eschar, or scar (including subcutaneous tissues), or incisional release of scar contracture, face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet and/or multiple digits; each additional 100 sq cm, or part thereof, or each additional 1% of body area of infants and children (List separately in addition to code for primary procedure)
15111	Epidermal autograft, trunk, arms, legs; each additional 100 sq cm, or each additional 1% of body area of infants and children, or part thereof (List separately in addition to code for primary procedure)
15115	Epidermal autograft, face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet, and/or multiple digits; first 100 sq cm or less, or 1% of body area of infants and children
15116	Epidermal autograft, face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet, and/or multiple digits; each additional 100 sq cm, or each additional 1% of body area of infants and children, or part thereof (List separately in addition to code for primary procedure)
15131	Dermal autograft, trunk, arms, legs; each additional 100 sq cm, or each additional 1% of body area of infants and children, or part thereof (List separately in addition to code for primary procedure)
15135	Dermal autograft, face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet, and/or multiple digits; first 100 sq cm or less, or 1% of body area of infants and children
15136	Dermal autograft, face, scalp, eyelids, mouth, neck, ears, orbits, genitalia, hands, feet, and/or multiple digits; each additional 100 sq cm, or each additional 1% of body area of infants and children, or part thereof (List separately in addition to code for primary procedure)
15731	Forehead flap with preservation of vascular pedicle (eg, axial pattern flap, paramedian forehead flap)
15732	Muscle, myocutaneous, or fasciocutaneous flap; head and neck (eg, temporalis, masseter muscle, sternocleidomastoid, levator scapulae)
15734	Muscle, myocutaneous, or fasciocutaneous flap; trunk
15736	Muscle, myocutaneous, or fasciocutaneous flap; upper extremity
15738	Muscle, myocutaneous, or fasciocutaneous flap; lower extremity
15750	Flap; neurovascular pedicle
15756	Free muscle or myocutaneous flap with microvascular anastomosis

15757	Free skin flap with microvascular anastomosis
15758	Free fascial flap with microvascular anastomosis
15830	Excision, excessive skin and subcutaneous tissue (includes lipectomy); abdomen, infraumbilical panniculectomy
15840	Graft for facial nerve paralysis; free fascia graft (including obtaining fascia)
15841	Graft for facial nerve paralysis; free muscle graft (including obtaining graft)
15842	Graft for facial nerve paralysis; free muscle flap by microsurgical technique
15847	Excision, excessive skin and subcutaneous tissue (includes lipectomy), abdomen (eg, abdominoplasty) (includes umbilical transposition and fascial plication) (List separately in addition to code for primary procedure)
19260	Excision of chest wall tumor including ribs
19271	Excision of chest wall tumor involving ribs, with plastic reconstruction; without mediastinal lymphadenectomy
19272	Excision of chest wall tumor involving ribs, with plastic reconstruction; with mediastinal lymphadenectomy
19302	Mastectomy, partial (eg, lumpectomy, tylectomy, quadrantectomy, segmentectomy); with axillary lymphadenectomy
19303	Mastectomy, simple, complete
19304	Mastectomy, subcutaneous
19305	Mastectomy, radical, including pectoral muscles, axillary lymph nodes
19306	Mastectomy, radical, including pectoral muscles, axillary and internal mammary lymph nodes (Urban type operation)
19307	Mastectomy, modified radical, including axillary lymph nodes, with or without pectoralis minor muscle, but excluding pectoralis major muscle
19318	Reduction mammoplasty
19361	Breast reconstruction with latissimus dorsi flap, without prosthetic implant
19364	Breast reconstruction with free flap
19366	Breast reconstruction with other technique
19367	Breast reconstruction with transverse rectus abdominis myocutaneous flap (TRAM), single pedicle, including closure of donor site;
19368	Breast reconstruction with transverse rectus abdominis myocutaneous flap (TRAM), single pedicle, including closure of donor site; with microvascular anastomosis (supercharging)
19369	Breast reconstruction with transverse rectus abdominis myocutaneous flap (TRAM), double pedicle, including closure of donor site
20100	Exploration of penetrating wound (separate procedure); neck
20101	Exploration of penetrating wound (separate procedure); chest
20102	Exploration of penetrating wound (separate procedure); abdomen/flank/back
20103	Exploration of penetrating wound (separate procedure); extremity
20150	Excision of epiphyseal bar, with or without autogenous soft tissue graft obtained through same fascial incision
20250	Biopsy, vertebral body, open; thoracic
20251	Biopsy, vertebral body, open; lumbar or cervical
20802	Replantation, arm (includes surgical neck of humerus through elbow joint), complete amputation

20805	Replantation, forearm (includes radius and ulna to radial carpal joint), complete amputation
20808	Replantation, hand (includes hand through metacarpophalangeal joints), complete amputation
20816	Replantation, digit, excluding thumb (includes metacarpophalangeal joint to insertion of flexor sublimis tendon), complete amputation
20822	Replantation, digit, excluding thumb (includes distal tip to sublimis tendon insertion), complete amputation
20824	Replantation, thumb (includes carpometacarpal joint to MP joint), complete amputation
20827	Replantation, thumb (includes distal tip to MP joint), complete amputation
20838	Replantation, foot, complete amputation
20902	Bone graft, any donor area; major or large
20936	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)
20937	Autograft for spine surgery only (includes harvesting the graft); morselized (through separate skin or fascial incision) (List 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 separately in addition to code for primary procedure)
20955	Bone graft with microvascular anastomosis; fibula
20956	Bone graft with microvascular anastomosis; iliac crest
20957	Bone graft with microvascular anastomosis; metatarsal
20962	Bone graft with microvascular anastomosis; other than fibula, iliac crest, or metatarsal
20969	Free osteocutaneous flap with microvascular anastomosis; other than iliac crest, metatarsal, or great toe
20970	Free osteocutaneous flap with microvascular anastomosis; iliac crest
20972	Free osteocutaneous flap with microvascular anastomosis; metatarsal
20973	Free osteocutaneous flap with microvascular anastomosis; great toe with web space
21015	Radical resection of tumor (eg, sarcoma), soft tissue of face or scalp; less than 2 cm
21016	Radical resection of tumor (eg, sarcoma), soft tissue of face or scalp; 2 cm or greater
21034	Excision of malignant tumor of maxilla or zygoma
21044	Excision of malignant tumor of mandible;
21045	Excision of malignant tumor of mandible; radical resection
21046	Excision of benign tumor or cyst of mandible; requiring intra-oral osteotomy (eg, locally aggressive or destructive lesion(s))
21047	Excision of benign tumor or cyst of mandible; requiring extra-oral osteotomy and partial mandibulectomy (eg, locally aggressive or destructive lesion(s))
21048	Excision of benign tumor or cyst of maxilla; requiring intra-oral osteotomy (eg, locally aggressive or destructive lesion(s))
21049	Excision of benign tumor or cyst of maxilla; requiring extra-oral osteotomy and partial maxillectomy (eg, locally aggressive or destructive lesion(s))

21060	Meniscectomy, partial or complete, temporomandibular joint (separate procedure)
21122	Genioplasty; sliding osteotomies, 2 or more osteotomies (eg, wedge excision or bone wedge reversal for asymmetrical chin)
21123	Genioplasty; sliding, augmentation with interpositional bone grafts (includes obtaining autografts)
21125	Augmentation, mandibular body or angle; prosthetic material
21127	Augmentation, mandibular body or angle; with bone graft, onlay or interpositional (includes obtaining autograft)
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
21141	Reconstruction midface, LeFort I; single piece, segment movement in any direction (eg, for Long Face Syndrome), without bone graft
21142	Reconstruction midface, LeFort I; 2 pieces, segment movement in any direction, without bone graft
21143	Reconstruction midface, LeFort I; 3 or more pieces, segment movement in any direction, without bone graft
21145	Reconstruction midface, LeFort I; single piece, segment movement in any direction, requiring bone grafts (includes obtaining autografts)
21146	Reconstruction midface, LeFort I; 2 pieces, segment movement in any direction, requiring bone grafts (includes obtaining autografts) (eg, ungrafted unilateral alveolar cleft)
21147	Reconstruction midface, LeFort I; 3 or more pieces, segment movement in any direction, requiring bone grafts (includes obtaining autografts) (eg, ungrafted bilateral alveolar cleft or multiple osteotomies)
21150	Reconstruction midface, LeFort II; anterior intrusion (eg, Treacher-Collins Syndrome)
21151	Reconstruction midface, LeFort II; any direction, requiring bone grafts (includes obtaining autografts)
21154	Reconstruction midface, LeFort III (extracranial), any type, requiring bone grafts (includes obtaining autografts); without LeFort I
21155	Reconstruction midface, LeFort III (extracranial), any type, requiring bone grafts (includes obtaining autografts); with LeFort I
21159	Reconstruction midface, LeFort III (extra and intracranial) with forehead advancement (eg, mono bloc), requiring bone grafts (includes obtaining autografts); without LeFort I
21160	Reconstruction midface, LeFort III (extra and intracranial) with forehead advancement (eg, mono bloc), requiring bone grafts (includes obtaining autografts); with LeFort I
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 less than 40 sq cm
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 greater than 40 sq cm but less than 80 sq cm
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 greater than 80 sq cm
21188	Reconstruction midface, osteotomies (other than LeFort type) and bone grafts (includes obtaining autografts)
21193	Reconstruction of mandibular rami, horizontal, vertical, C, or L osteotomy; without bone graft
21194	Reconstruction of mandibular rami, horizontal, vertical, C, or L osteotomy; with bone graft (includes obtaining graft)
21195	Reconstruction of mandibular rami and/or body, sagittal split; without internal rigid fixation
21196	Reconstruction of mandibular rami and/or body, sagittal split; with internal rigid fixation
21198	Osteotomy, mandible, segmental;
21199	Osteotomy, mandible, segmental; with genioglossus advancement
21206	Osteotomy, maxilla, segmental (eg, Wassmund or Schuchard)
21240	Arthroplasty, temporomandibular joint, with or without autograft (includes obtaining graft)
21242	Arthroplasty, temporomandibular joint, with allograft
21243	Arthroplasty, temporomandibular joint, with prosthetic joint replacement
21247	Reconstruction of mandibular condyle with bone and cartilage autografts (includes obtaining grafts) (eg, for hemifacial microsomia)
21249	Reconstruction of mandible or maxilla, endosteal implant (eg, blade, cylinder); complete
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
21275	Secondary revision of orbitocraniofacial reconstruction

21340	Percutaneous treatment of nasoethmoid complex fracture, with splint, wire or headcap fixation, including repair of canthal ligaments and/or the nasolacrimal apparatus
21344	Open treatment of complicated (eg, comminuted or involving posterior wall) frontal sinus fracture, via coronal or multiple approaches
21345	Closed treatment of nasomaxillary complex fracture (LeFort II type), with interdental wire fixation or fixation of denture or splint
21346	Open treatment of nasomaxillary complex fracture (LeFort II type); with wiring and/or local fixation
21347	Open treatment of nasomaxillary complex fracture (LeFort II type); requiring multiple open approaches
21348	Open treatment of nasomaxillary complex fracture (LeFort II type); with bone grafting (includes obtaining graft)
21365	Open treatment of complicated (eg, comminuted or involving cranial nerve foramina) fracture(s) of malar area, including zygomatic arch and malar tripod; with internal fixation and multiple surgical approaches
21366	Open treatment of complicated (eg, comminuted or involving cranial nerve foramina) fracture(s) of malar area, including zygomatic arch and malar tripod; with bone grafting (includes obtaining graft)
21395	Open treatment of orbital floor blowout fracture; periorbital approach with bone graft (includes obtaining graft)
21407	Open treatment of fracture of orbit, except blowout; with implant
21408	Open treatment of fracture of orbit, except blowout; with bone grafting (includes obtaining graft)
21422	Open treatment of palatal or maxillary fracture (LeFort I type);
21423	Open treatment of palatal or maxillary fracture (LeFort I type); complicated (comminuted or involving cranial nerve foramina), multiple approaches
21431	Closed treatment of craniofacial separation (LeFort III type) using interdental wire fixation of denture or splint
21432	Open treatment of craniofacial separation (LeFort III type); with wiring and/or internal fixation
21433	Open treatment of craniofacial separation (LeFort III type); complicated (eg, comminuted or involving cranial nerve foramina), multiple surgical approaches
21435	Open treatment of craniofacial separation (LeFort III type); complicated, utilizing internal and/or external fixation techniques (eg, head cap, halo device, and/or intermaxillary fixation)
21436	Open treatment of craniofacial separation (LeFort III type); complicated, multiple surgical approaches, internal fixation, with bone grafting (includes obtaining graft)
21454	Open treatment of mandibular fracture with external fixation
21461	Open treatment of mandibular fracture; without interdental fixation
21462	Open treatment of mandibular fracture; with interdental fixation
21465	Open treatment of mandibular condylar fracture
21470	Open treatment of complicated mandibular fracture by multiple surgical approaches including internal fixation, interdental fixation, and/or wiring of dentures or splints
21490	Open treatment of temporomandibular dislocation
21557	Radical resection of tumor (eg, sarcoma), soft tissue of neck or anterior thorax; less than 5 cm

21558	Radical resection of tumor (eg, sarcoma), soft tissue of neck or anterior thorax; 5 cm or greater
21610	Costotransversectomy (separate procedure)
21615	Excision first and/or cervical rib;
21616	Excision first and/or cervical rib; with sympathectomy
21630	Radical resection of sternum;
21632	Radical resection of sternum; with mediastinal lymphadenectomy
21705	Division of scalenus anticus; with resection of cervical rib
21740	Reconstructive repair of pectus excavatum or carinatum; open
21742	Reconstructive repair of pectus excavatum or carinatum; minimally invasive approach (Nuss procedure), without thoracoscopy
21743	Reconstructive repair of pectus excavatum or carinatum; minimally invasive approach (Nuss procedure), with thoracoscopy
21750	Closure of median sternotomy separation with or without debridement (separate procedure)
21811	Open treatment of rib fracture(s) with internal fixation, includes thoracoscopic visualization when performed, unilateral; 1-3 ribs
21812	Open treatment of rib fracture(s) with internal fixation, includes thoracoscopic visualization when performed, unilateral; 4-6 ribs
21813	Open treatment of rib fracture(s) with internal fixation, includes thoracoscopic visualization when performed, unilateral; 7 or more ribs
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)
22206	Osteotomy of spine, posterior or posterolateral approach, 3 columns, 1 vertebral segment (eg, pedicle/vertebral body subtraction); thoracic
22207	Osteotomy of spine, posterior or posterolateral approach, 3 columns, 1 vertebral segment (eg, pedicle/vertebral body subtraction); lumbar
22208	Osteotomy of spine, posterior or posterolateral approach, 3 columns, 1 vertebral segment (eg, pedicle/vertebral body subtraction); each additional vertebral segment (List separately in addition to code for primary procedure)
22210	Osteotomy of spine, posterior or posterolateral approach, 1 vertebral segment; cervical
22212	Osteotomy of spine, posterior or posterolateral approach, 1 vertebral segment; thoracic
22214	Osteotomy of spine, posterior or posterolateral approach, 1 vertebral segment; lumbar

22216	Osteotomy of spine, posterior or posterolateral approach, 1 vertebral segment; each additional vertebral segment (List separately in addition to primary procedure)
22220	Osteotomy of spine, including discectomy, anterior approach, single vertebral segment; cervical
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 addition to code for primary procedure)
22318	Open treatment and/or reduction of odontoid fracture(s) and or dislocation(s) (including os odontoideum), anterior approach, including placement 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 of internal fixation; with grafting
22325	Open treatment and/or reduction of vertebral fracture(s) and/or dislocation(s), posterior approach, 1 fractured vertebra or dislocated segment; lumbar
22326	Open treatment and/or reduction of vertebral fracture(s) and/or dislocation(s), posterior approach, 1 fractured vertebra or dislocated segment; cervical
22327	Open treatment and/or reduction of vertebral fracture(s) and/or dislocation(s), posterior approach, 1 fractured vertebra or dislocated segment; thoracic
22328	Open treatment and/or reduction of vertebral fracture(s) and/or dislocation(s), posterior approach, 1 fractured vertebra or dislocated segment; each additional fractured vertebra or dislocated segment (List separately in addition to code for primary procedure)
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
22534	Arthrodesis, lateral extracavitary technique, including minimal discectomy to prepare interspace (other than for decompression); thoracic or lumbar, each additional vertebral segment (List separately in addition to code for primary procedure)
22548	Arthrodesis, anterior transoral or extraoral technique, clivus-C1-C2 (atlas-axis), with or without excision of odontoid process
22551	Arthrodesis, anterior interbody, including disc space preparation, discectomy, osteophyctomy and decompression of spinal cord and/or nerve roots; cervical below C2
22552	Arthrodesis, anterior interbody, including disc space preparation, discectomy, osteophyctomy and decompression of spinal cord and/or nerve roots; cervical below C2, each additional interspace (List separately in addition to code for separate procedure)
22554	Arthrodesis, anterior interbody technique, including minimal discectomy to prepare interspace (other than for decompression); cervical below C2
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 interspace (List separately in addition to code for primary procedure)
22586	Arthrodesis, pre-sacral interbody technique, including disc space preparation, discectomy, with posterior instrumentation, with image guidance, includes bone graft when performed, L5-S1 interspace
22590	Arthrodesis, posterior technique, craniocervical (occiput-C2)
22595	Arthrodesis, posterior technique, atlas-axis (C1-C2)
22600	Arthrodesis, posterior or posterolateral technique, single level; cervical below C2 segment
22610	Arthrodesis, posterior or posterolateral technique, single level; thoracic (with lateral transverse technique, when performed)
22612	Arthrodesis, posterior or posterolateral technique, single level; lumbar (with lateral transverse technique, when performed)
22614	Arthrodesis, posterior or posterolateral technique, single level; each additional vertebral segment (List separately in addition to code for primary procedure)
22630	Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; lumbar
22632	Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; each additional interspace (List separately in addition to code for primary procedure)
22633	Arthrodesis, combined posterior or posterolateral technique with posterior interbody technique including laminectomy and/or discectomy sufficient to prepare interspace (other than for decompression), single interspace and segment; lumbar
22634	Arthrodesis, combined posterior or posterolateral technique with posterior interbody technique including laminectomy and/or discectomy sufficient to prepare interspace (other than for decompression), single interspace and segment; each additional interspace and segment (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
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 1 interspace, atlantoaxial transarticular screw 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 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 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 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 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), methylmethacrylate) to vertebral defect or interspace (List separately in addition to code for primary procedure)
22852	Removal of posterior segmental instrumentation
22855	Removal of anterior instrumentation
22856	Total disc arthroplasty (artificial disc), anterior approach, including discectomy with end plate preparation (includes osteophylectomy for nerve root or spinal cord decompression and microdissection); single interspace, cervical
22857	Total disc arthroplasty (artificial disc), anterior approach, including discectomy to prepare interspace (other than for decompression), single interspace, lumbar
22858	Total disc arthroplasty (artificial disc), anterior approach, including discectomy with end plate preparation (includes osteophylectomy for nerve root or spinal cord decompression and microdissection); second level, cervical (List separately in addition to code for primary procedure)
22861	Revision including replacement of total disc arthroplasty (artificial disc), anterior approach, single interspace; cervical
22862	Revision including replacement of total disc arthroplasty (artificial disc), anterior approach, single interspace; lumbar
22864	Removal of total disc arthroplasty (artificial disc), anterior approach, single interspace; cervical
22865	Removal of total disc arthroplasty (artificial disc), anterior approach, single interspace; lumbar
23077	Radical resection of tumor (eg, sarcoma), soft tissue of shoulder area; less than 5 cm

23078	Radical resection of tumor (eg, sarcoma), soft tissue of shoulder area; 5 cm or greater
23145	Excision or curettage of bone cyst or benign tumor of clavicle or scapula; with autograft (includes obtaining graft)
23155	Excision or curettage of bone cyst or benign tumor of proximal humerus; with autograft (includes obtaining graft)
23195	Resection, humeral head
23200	Radical resection of tumor; clavicle
23210	Radical resection of tumor; scapula
23220	Radical resection of tumor, proximal humerus
23334	Removal of prosthesis, includes debridement and synovectomy when performed; humeral or glenoid component
23335	Removal of prosthesis, includes debridement and synovectomy when performed; humeral and glenoid components (eg, total shoulder)
23395	Muscle transfer, any type, shoulder or upper arm; single
23397	Muscle transfer, any type, shoulder or upper arm; multiple
23400	Scapulopexy (eg, Sprengels deformity or for paralysis)
23405	Tenotomy, shoulder area; single tendon
23406	Tenotomy, shoulder area; multiple tendons through same incision
23410	Repair of ruptured musculotendinous cuff (eg, rotator cuff) open; acute
23412	Repair of ruptured musculotendinous cuff (eg, rotator cuff) open; chronic
23420	Reconstruction of complete shoulder (rotator) cuff avulsion, chronic (includes acromioplasty)
23450	Capsulorrhaphy, anterior; Putti-Platt procedure or Magnuson type operation
23455	Capsulorrhaphy, anterior; with labral repair (eg, Bankart procedure)
23460	Capsulorrhaphy, anterior, any type; with bone block
23462	Capsulorrhaphy, anterior, any type; with coracoid process transfer
23465	Capsulorrhaphy, glenohumeral joint, posterior, with or without bone block
23466	Capsulorrhaphy, glenohumeral joint, any type multi-directional instability
23470	Arthroplasty, glenohumeral joint; hemiarthroplasty
23472	Arthroplasty, glenohumeral joint; total shoulder (glenoid and proximal humeral replacement (eg, total shoulder))
23473	Revision of total shoulder arthroplasty, including allograft when performed; humeral or glenoid component
23474	Revision of total shoulder arthroplasty, including allograft when performed; humeral and glenoid component
23485	Osteotomy, clavicle, with or without internal fixation; with bone graft for nonunion or malunion (includes obtaining graft and/or necessary fixation)
23491	Prophylactic treatment (nailing, pinning, plating or wiring) with or without methylmethacrylate; proximal humerus
23585	Open treatment of scapular fracture (body, glenoid or acromion) includes internal fixation, when performed
23615	Open treatment of proximal humeral (surgical or anatomical neck) fracture, includes internal fixation, when performed, includes repair of tuberosity(s), when performed;
23616	Open treatment of proximal humeral (surgical or anatomical neck) fracture, includes internal fixation, when performed, includes repair of tuberosity(s), when performed; with proximal humeral prosthetic replacement

23660	Open treatment of acute shoulder dislocation
23670	Open treatment of shoulder dislocation, with fracture of greater humeral tuberosity, includes internal fixation, when performed
23680	Open treatment of shoulder dislocation, with surgical or anatomical neck fracture, includes internal fixation, when performed
23800	Arthrodesis, glenohumeral joint;
23802	Arthrodesis, glenohumeral joint; with autogenous graft (includes obtaining graft)
23900	Interthoracoscapular amputation (forequarter)
23920	Disarticulation of shoulder;
24077	Radical resection of tumor (eg, sarcoma), soft tissue of upper arm or elbow area; less than 5 cm
24079	Radical resection of tumor (eg, sarcoma), soft tissue of upper arm or elbow area; 5 cm or greater
24149	Radical resection of capsule, soft tissue, and heterotopic bone, elbow, with contracture release (separate procedure)
24150	Radical resection of tumor, shaft or distal humerus
24152	Radical resection of tumor, radial head or neck
24155	Resection of elbow joint (arthrectomy)
24320	Tenoplasty, with muscle transfer, with or without free graft, elbow to shoulder, single (Seddon-Brookes type procedure)
24330	Flexor-plasty, elbow (eg, Steindler type advancement);
24331	Flexor-plasty, elbow (eg, Steindler type advancement); with extensor advancement
24340	Tenodesis of biceps tendon at elbow (separate procedure)
24343	Repair lateral collateral ligament, elbow, with local tissue
24344	Reconstruction lateral collateral ligament, elbow, with tendon graft (includes harvesting of graft)
24345	Repair medial collateral ligament, elbow, with local tissue
24346	Reconstruction medial collateral ligament, elbow, with tendon graft (includes harvesting of graft)
24361	Arthroplasty, elbow; with distal humeral prosthetic replacement
24362	Arthroplasty, elbow; with implant and fascia lata ligament reconstruction
24363	Arthroplasty, elbow; with distal humerus and proximal ulnar prosthetic replacement (eg, total elbow)
24370	Revision of total elbow arthroplasty, including allograft when performed; humeral or ulnar component
24371	Revision of total elbow arthroplasty, including allograft when performed; humeral and ulnar component
24400	Osteotomy, humerus, with or without internal fixation
24410	Multiple osteotomies with realignment on intramedullary rod, humeral shaft (Sofield type procedure)
24420	Osteoplasty, humerus (eg, shortening or lengthening) (excluding 64876)
24430	Repair of nonunion or malunion, humerus; without graft (eg, compression technique)
24435	Repair of nonunion or malunion, humerus; with iliac or other autograft (includes obtaining graft)
24516	Treatment of humeral shaft fracture, with insertion of intramedullary implant, with or without cerclage and/or locking screws
24545	Open treatment of humeral supracondylar or transcondylar fracture, includes internal fixation, when performed; without intercondylar extension

24546	Open treatment of humeral supracondylar or transcondylar fracture, includes internal fixation, when performed; with intercondylar extension
24579	Open treatment of humeral condylar fracture, medial or lateral, includes internal fixation, when performed
24635	Open treatment of Monteggia type of fracture dislocation at elbow (fracture proximal end of ulna with dislocation of radial head), includes internal fixation, when performed
24685	Open treatment of ulnar fracture, proximal end (eg, olecranon or coronoid process[es]), includes internal fixation, when performed
24800	Arthrodesis, elbow joint; local
24802	Arthrodesis, elbow joint; with autogenous graft (includes obtaining graft)
25077	Radical resection of tumor (eg, sarcoma), soft tissue of forearm and/or wrist area; less than 3 cm
25170	Radical resection of tumor, radius or ulna
25251	Removal of wrist prosthesis; complicated, including total wrist
25335	Centralization of wrist on ulna (eg, radial club hand)
25370	Multiple osteotomies, with realignment on intramedullary rod (Sofield type procedure); radius OR ulna
25375	Multiple osteotomies, with realignment on intramedullary rod (Sofield type procedure); radius AND ulna
25425	Repair of defect with autograft; radius OR ulna
25426	Repair of defect with autograft; radius AND ulna
25430	Insertion of vascular pedicle into carpal bone (eg, Hori procedure)
25431	Repair of nonunion of carpal bone (excluding carpal scaphoid (navicular)) (includes obtaining graft and necessary fixation), each bone
25440	Repair of nonunion, scaphoid carpal (navicular) bone, with or without radial styloidectomy (includes obtaining graft and necessary fixation)
25445	Arthroplasty with prosthetic replacement; trapezium
25446	Arthroplasty with prosthetic replacement; distal radius and partial or entire carpus (total wrist)
25515	Open treatment of radial shaft fracture, includes internal fixation, when performed
25525	Open treatment of radial shaft fracture, includes internal fixation, when performed, and closed treatment of distal radioulnar joint dislocation (Galeazzi fracture/ dislocation), includes percutaneous skeletal fixation, when performed
25526	Open treatment of radial shaft fracture, includes internal fixation, when performed, and open treatment of distal radioulnar joint dislocation (Galeazzi fracture/ dislocation), includes internal fixation, when performed, includes repair of triangular fibrocartilage complex
25574	Open treatment of radial AND ulnar shaft fractures, with internal fixation, when performed; of radius OR ulna
25575	Open treatment of radial AND ulnar shaft fractures, with internal fixation, when performed; of radius AND ulna
25607	Open treatment of distal radial extra-articular fracture or epiphyseal separation, with internal fixation
25608	Open treatment of distal radial intra-articular fracture or epiphyseal separation; with internal fixation of 2 fragments
25609	Open treatment of distal radial intra-articular fracture or epiphyseal separation; with internal fixation of 3 or more fragments
25628	Open treatment of carpal scaphoid (navicular) fracture, includes internal fixation, when performed

25805	Arthrodesis, wrist; with sliding graft
25810	Arthrodesis, wrist; with iliac or other autograft (includes obtaining graft)
25825	Arthrodesis, wrist; with autograft (includes obtaining graft)
25830	Arthrodesis, distal radioulnar joint with segmental resection of ulna, with or without bone graft (eg, Sauve-Kapandji procedure)
25915	Krukenberg procedure
26550	Pollicization of a digit
26551	Transfer, toe-to-hand with microvascular anastomosis; great toe wrap-around with bone graft
26553	Transfer, toe-to-hand with microvascular anastomosis; other than great toe, single
26554	Transfer, toe-to-hand with microvascular anastomosis; other than great toe, double
26555	Transfer, finger to another position without microvascular anastomosis
26556	Transfer, free toe joint, with microvascular anastomosis
27005	Tenotomy, hip flexor(s), open (separate procedure)
27027	Decompression fasciotomy(ies), pelvic (buttock) compartment(s) (eg, gluteus medius-minimus, gluteus maximus, iliopsoas, and/or tensor fascia lata muscle), unilateral
27030	Arthrotomy, hip, with drainage (eg, infection)
27033	Arthrotomy, hip, including exploration or removal of loose or foreign body
27035	Denervation, hip joint, intrapelvic or extrapelvic intra-articular branches of sciatic, femoral, or obturator nerves
27036	Capsulectomy or capsulotomy, hip, with or without excision of heterotopic bone, with release of hip flexor muscles (ie, gluteus medius, gluteus minimus, tensor fascia latae, rectus femoris, sartorius, iliopsoas)
27049	Radical resection of tumor (eg, sarcoma), soft tissue of pelvis and hip area; less than 5 cm
27054	Arthrotomy with synovectomy, hip joint
27057	Decompression fasciotomy(ies), pelvic (buttock) compartment(s) (eg, gluteus medius-minimus, gluteus maximus, iliopsoas, and/or tensor fascia lata muscle) with debridement of nonviable muscle, unilateral
27059	Radical resection of tumor (eg, sarcoma), soft tissue of pelvis and hip area; 5 cm or greater
27067	Excision of bone cyst or benign tumor, wing of ilium, symphysis pubis, or greater trochanter of femur; with autograft requiring separate incision
27071	Partial excision, wing of ilium, symphysis pubis, or greater trochanter of femur, (craterization, saucerization) (eg, osteomyelitis or bone abscess); deep (subfascial or intramuscular)
27075	Radical resection of tumor; wing of ilium, 1 pubic or ischial ramus or symphysis pubis
27076	Radical resection of tumor; ilium, including acetabulum, both pubic rami, or ischium and acetabulum
27077	Radical resection of tumor; innominate bone, total
27078	Radical resection of tumor; ischial tuberosity and greater trochanter of femur
27090	Removal of hip prosthesis; (separate procedure)
27091	Removal of hip prosthesis; complicated, including total hip prosthesis, methylmethacrylate with or without insertion of spacer
27097	Release or recession, hamstring, proximal
27098	Transfer, adductor to ischium

27100	Transfer external oblique muscle to greater trochanter including fascial or tendon extension (graft)
27105	Transfer paraspinal muscle to hip (includes fascial or tendon extension graft)
27110	Transfer iliopsoas; to greater trochanter of femur
27111	Transfer iliopsoas; to femoral neck
27120	Acetabuloplasty; (eg, Whitman, Colonna, Haygroves, or cup type)
27122	Acetabuloplasty; resection, femoral head (eg, Girdlestone procedure)
27125	Hemiarthroplasty, hip, partial (eg, femoral stem prosthesis, bipolar arthroplasty)
27130	Arthroplasty, acetabular and proximal femoral prosthetic replacement (total hip arthroplasty), with or without autograft or allograft
27132	Conversion of previous hip surgery to total hip arthroplasty, with or without autograft or allograft
27134	Revision of total hip arthroplasty; both components, with or without autograft or allograft
27137	Revision of total hip arthroplasty; acetabular component only, with or without autograft or allograft
27138	Revision of total hip arthroplasty; femoral component only, with or without allograft
27140	Osteotomy and transfer of greater trochanter of femur (separate procedure)
27146	Osteotomy, iliac, acetabular or innominate bone;
27147	Osteotomy, iliac, acetabular or innominate bone; with open reduction of hip
27151	Osteotomy, iliac, acetabular or innominate bone; with femoral osteotomy
27156	Osteotomy, iliac, acetabular or innominate bone; with femoral osteotomy and with open reduction of hip
27158	Osteotomy, pelvis, bilateral (eg, congenital malformation)
27161	Osteotomy, femoral neck (separate procedure)
27165	Osteotomy, intertrochanteric or subtrochanteric including internal or external fixation and/or cast
27170	Bone graft, femoral head, neck, intertrochanteric or subtrochanteric area (includes obtaining bone graft)
27177	Open treatment of slipped femoral epiphysis; single or multiple pinning or bone graft (includes obtaining graft)
27179	Open treatment of slipped femoral epiphysis; osteoplasty of femoral neck (Heyman type procedure)
27181	Open treatment of slipped femoral epiphysis; osteotomy and internal fixation
27187	Prophylactic treatment (nailing, pinning, plating or wiring) with or without methylmethacrylate, femoral neck and proximal femur
27217	Open treatment of anterior pelvic bone fracture and/or dislocation for fracture patterns that disrupt the pelvic ring, unilateral, includes internal fixation, when performed (includes pubic symphysis and/or ipsilateral superior/inferior rami)
27218	Open treatment of posterior pelvic bone fracture and/or dislocation, for fracture patterns that disrupt the pelvic ring, unilateral, includes internal fixation, when performed (includes ipsilateral ilium, sacroiliac joint and/or sacrum)
27226	Open treatment of posterior or anterior acetabular wall fracture, with internal fixation

27227	Open treatment of acetabular fracture(s) involving anterior or posterior (one) column, or a fracture running transversely across the acetabulum, with internal fixation
27228	Open treatment of acetabular fracture(s) involving anterior and posterior (two) columns, includes T-fracture and both column fracture with complete articular detachment, or single column or transverse fracture with associated acetabular wall fracture, with internal fixation
27245	Treatment of intertrochanteric, peritrochanteric, or subtrochanteric femoral fracture; with intramedullary implant, with or without interlocking screws and/or cerclage
27248	Open treatment of greater trochanteric fracture, includes internal fixation, when performed
27254	Open treatment of hip dislocation, traumatic, with acetabular wall and femoral head fracture, with or without internal or external fixation
27258	Open treatment of spontaneous hip dislocation (developmental, including congenital or pathological), replacement of femoral head in acetabulum (including tenotomy, etc);
27259	Open treatment of spontaneous hip dislocation (developmental, including congenital or pathological), replacement of femoral head in acetabulum (including tenotomy, etc); with femoral shaft shortening
27269	Open treatment of femoral fracture, proximal end, head, includes internal fixation, when performed
27279	Arthrodesis, sacroiliac joint, percutaneous or minimally invasive (indirect visualization), with image guidance, includes obtaining bone graft when performed, and placement of transfixing device
27284	Arthrodesis, hip joint (including obtaining graft);
27286	Arthrodesis, hip joint (including obtaining graft); with subtrochanteric osteotomy
27290	Interpelviabdominal amputation (hindquarter amputation)
27295	Disarticulation of hip
27329	Radical resection of tumor (eg, sarcoma), soft tissue of thigh or knee area; less than 5 cm
27335	Arthrotomy, with synovectomy, knee; anterior AND posterior including popliteal area
27357	Excision or curettage of bone cyst or benign tumor of femur; with autograft (includes obtaining graft)
27364	Radical resection of tumor (eg, sarcoma), soft tissue of thigh or knee area; 5 cm or greater
27365	Radical resection of tumor, femur or knee
27381	Suture of infrapatellar tendon; secondary reconstruction, including fascial or tendon graft
27386	Suture of quadriceps or hamstring muscle rupture; secondary reconstruction, including fascial or tendon graft
27392	Tenotomy, open, hamstring, knee to hip; multiple tendons, bilateral
27395	Lengthening of hamstring tendon; multiple tendons, bilateral
27400	Transfer, tendon or muscle, hamstrings to femur (eg, Egger's type procedure)
27407	Repair, primary, torn ligament and/or capsule, knee; cruciate
27409	Repair, primary, torn ligament and/or capsule, knee; collateral and cruciate ligaments
27412	Autologous chondrocyte implantation, knee
27415	Osteochondral allograft, knee, open

27416	Osteochondral autograft(s), knee, open (eg, mosaicplasty) (includes harvesting of autograft[s])
27427	Ligamentous reconstruction (augmentation), knee; extra-articular
27428	Ligamentous reconstruction (augmentation), knee; intra-articular (open)
27429	Ligamentous reconstruction (augmentation), knee; intra-articular (open) and extra-articular
27435	Capsulotomy, posterior capsular release, knee
27445	Arthroplasty, knee, hinge prosthesis (eg, Walldius type)
27446	Arthroplasty, knee, condyle and plateau; medial OR lateral compartment
27447	Arthroplasty, knee, condyle and plateau; medial AND lateral compartments with or without patella resurfacing (total knee arthroplasty)
27454	Osteotomy, multiple, with realignment on intramedullary rod, femoral shaft (eg, Sofield type procedure)
27455	Osteotomy, proximal tibia, including fibular excision or osteotomy (includes correction of genu varus [bowleg] or genu valgus [knock-knee]); before epiphyseal closure
27457	Osteotomy, proximal tibia, including fibular excision or osteotomy (includes correction of genu varus [bowleg] or genu valgus [knock-knee]); after epiphyseal closure
27465	Osteoplasty, femur; shortening (excluding 64876)
27466	Osteoplasty, femur; lengthening
27468	Osteoplasty, femur; combined, lengthening and shortening with femoral segment transfer
27470	Repair, nonunion or malunion, femur, distal to head and neck; without graft (eg, compression technique)
27472	Repair, nonunion or malunion, femur, distal to head and neck; with iliac or other autogenous bone graft (includes obtaining graft)
27486	Revision of total knee arthroplasty, with or without allograft; 1 component
27487	Revision of total knee arthroplasty, with or without allograft; femoral and entire tibial component
27488	Removal of prosthesis, including total knee prosthesis, methylmethacrylate with or without insertion of spacer, knee
27506	Open treatment of femoral shaft fracture, with or without external fixation, with insertion of intramedullary implant, with or without cerclage and/or locking screws
27507	Open treatment of femoral shaft fracture with plate/screws, with or without cerclage
27511	Open treatment of femoral supracondylar or transcondylar fracture without intercondylar extension, includes internal fixation, when performed
27513	Open treatment of femoral supracondylar or transcondylar fracture with intercondylar extension, includes internal fixation, when performed
27514	Open treatment of femoral fracture, distal end, medial or lateral condyle, includes internal fixation, when performed
27535	Open treatment of tibial fracture, proximal (plateau); unicondylar, includes internal fixation, when performed
27536	Open treatment of tibial fracture, proximal (plateau); bicondylar, with or without internal fixation
27556	Open treatment of knee dislocation, includes internal fixation, when performed; without primary ligamentous repair or augmentation/reconstruction

27557	Open treatment of knee dislocation, includes internal fixation, when performed; with primary ligamentous repair
27558	Open treatment of knee dislocation, includes internal fixation, when performed; with primary ligamentous repair, with augmentation/reconstruction
27580	Arthrodesis, knee, any technique
27615	Radical resection of tumor (eg, sarcoma), soft tissue of leg or ankle area; less than 5 cm
27616	Radical resection of tumor (eg, sarcoma), soft tissue of leg or ankle area; 5 cm or greater
27645	Radical resection of tumor; tibia
27646	Radical resection of tumor; fibula
27647	Radical resection of tumor; talus or calcaneus
27700	Arthroplasty, ankle;
27702	Arthroplasty, ankle; with implant (total ankle)
27703	Arthroplasty, ankle; revision, total ankle
27704	Removal of ankle implant
27705	Osteotomy; tibia
27709	Osteotomy; tibia and fibula
27712	Osteotomy; multiple, with realignment on intramedullary rod (eg, Sofield type procedure)
27715	Osteoplasty, tibia and fibula, lengthening or shortening
27720	Repair of nonunion or malunion, tibia; without graft, (eg, compression technique)
27722	Repair of nonunion or malunion, tibia; with sliding graft
27724	Repair of nonunion or malunion, tibia; with iliac or other autograft (includes obtaining graft)
27725	Repair of nonunion or malunion, tibia; by synostosis, with fibula, any method
27726	Repair of fibula nonunion and/or malunion with internal fixation
27727	Repair of congenital pseudarthrosis, tibia
27758	Open treatment of tibial shaft fracture (with or without fibular fracture), with plate/screws, with or without cerclage
27759	Treatment of tibial shaft fracture (with or without fibular fracture) by intramedullary implant, with or without interlocking screws and/or cerclage
27814	Open treatment of bimalleolar ankle fracture (eg, lateral and medial malleoli, or lateral and posterior malleoli, or medial and posterior malleoli), includes internal fixation, when performed
27822	Open treatment of trimalleolar ankle fracture, includes internal fixation, when performed, medial and/or lateral malleolus; without fixation of posterior lip
27823	Open treatment of trimalleolar ankle fracture, includes internal fixation, when performed, medial and/or lateral malleolus; with fixation of posterior lip
27826	Open treatment of fracture of weight bearing articular surface/portion of distal tibia (eg, pilon or tibial plafond), with internal fixation, when performed; of fibula only
27827	Open treatment of fracture of weight bearing articular surface/portion of distal tibia (eg, pilon or tibial plafond), with internal fixation, when performed; of tibia only

27828	Open treatment of fracture of weight bearing articular surface/portion of distal tibia (eg, pilon or tibial plafond), with internal fixation, when performed; of both tibia and fibula
27848	Open treatment of ankle dislocation, with or without percutaneous skeletal fixation; with repair or internal or external fixation
27870	Arthrodesis, ankle, open
28116	Ostectomy, excision of tarsal coalition
28130	Talectomy (astragalectomy)
28260	Capsulotomy, midfoot; medial release only (separate procedure)
28261	Capsulotomy, midfoot; with tendon lengthening
28262	Capsulotomy, midfoot; extensive, including posterior talotibial capsulotomy and tendon(s) lengthening (eg, resistant clubfoot deformity)
28264	Capsulotomy, midtarsal (eg, Heyman type procedure)
28300	Osteotomy; calcaneus (eg, Dwyer or Chambers type procedure), with or without internal fixation
28302	Osteotomy; talus
28320	Repair, nonunion or malunion; tarsal bones
28415	Open treatment of calcaneal fracture, includes internal fixation, when performed;
28420	Open treatment of calcaneal fracture, includes internal fixation, when performed; with primary iliac or other autogenous bone graft (includes obtaining graft)
28445	Open treatment of talus fracture, includes internal fixation, when performed
28446	Open osteochondral autograft, talus (includes obtaining graft[s])
28465	Open treatment of tarsal bone fracture (except talus and calcaneus), includes internal fixation, when performed, each
28555	Open treatment of tarsal bone dislocation, includes internal fixation, when performed
28585	Open treatment of talotarsal joint dislocation, includes internal fixation, when performed
28615	Open treatment of tarsometatarsal joint dislocation, includes internal fixation, when performed
28705	Arthrodesis; pantalar
28715	Arthrodesis; triple
28725	Arthrodesis; subtalar
28730	Arthrodesis, midtarsal or tarsometatarsal, multiple or transverse;
28735	Arthrodesis, midtarsal or tarsometatarsal, multiple or transverse; with osteotomy (eg, flatfoot correction)
28737	Arthrodesis, with tendon lengthening and advancement, midtarsal, tarsal navicular-cuneiform (eg, Miller type procedure)
29855	Arthroscopically aided treatment of tibial fracture, proximal (plateau); unicondylar, includes internal fixation, when performed (includes arthroscopy)
29856	Arthroscopically aided treatment of tibial fracture, proximal (plateau); bicondylar, includes internal fixation, when performed (includes arthroscopy)
29866	Arthroscopy, knee, surgical; osteochondral autograft(s) (eg, mosaicplasty) (includes harvesting of the autograft[s])
29867	Arthroscopy, knee, surgical; osteochondral allograft (eg, mosaicplasty)
29868	Arthroscopy, knee, surgical; meniscal transplantation (includes arthrotomy for meniscal insertion), medial or lateral

29889	Arthroscopically aided posterior cruciate ligament repair/augmentation or reconstruction
29899	Arthroscopy, ankle (tibiotalar and fibulotalar joints), surgical; with ankle arthrodesis
31075	Sinusotomy frontal; transorbital, unilateral (for mucocele or osteoma, Lynch type)
31080	Sinusotomy frontal; obliterative without osteoplastic flap, brow incision (includes ablation)
31081	Sinusotomy frontal; obliterative, without osteoplastic flap, coronal incision (includes ablation)
31084	Sinusotomy frontal; obliterative, with osteoplastic flap, brow incision
31085	Sinusotomy frontal; obliterative, with osteoplastic flap, coronal incision
31086	Sinusotomy frontal; nonobliterative, with osteoplastic flap, brow incision
31087	Sinusotomy frontal; nonobliterative, with osteoplastic flap, coronal incision
31205	Ethmoidectomy; extranasal, total
31225	Maxillectomy; without orbital exenteration
31230	Maxillectomy; with orbital exenteration (en bloc)
31300	Laryngotomy (thyrotomy, laryngofissure); with removal of tumor or laryngocele, cordectomy
31320	Laryngotomy (thyrotomy, laryngofissure); diagnostic
31360	Laryngectomy; total, without radical neck dissection
31365	Laryngectomy; total, with radical neck dissection
31367	Laryngectomy; subtotal supraglottic, without radical neck dissection
31368	Laryngectomy; subtotal supraglottic, with radical neck dissection
31370	Partial laryngectomy (hemilaryngectomy); horizontal
31375	Partial laryngectomy (hemilaryngectomy); laterovertical
31380	Partial laryngectomy (hemilaryngectomy); anterovertical
31382	Partial laryngectomy (hemilaryngectomy); antero-latero-vertical
31390	Pharyngolaryngectomy, with radical neck dissection; without reconstruction
31395	Pharyngolaryngectomy, with radical neck dissection; with reconstruction
31400	Arytenoidectomy or arytenoidopexy, external approach
31420	Epiglottidectomy
31580	Laryngoplasty; for laryngeal web, 2-stage, with keel insertion and removal
31582	Laryngoplasty; for laryngeal stenosis, with graft or core mold, including tracheotomy
31584	Laryngoplasty; with open reduction of fracture
31587	Laryngoplasty, cricoid split
31588	Laryngoplasty, not otherwise specified (eg, for burns, reconstruction after partial laryngectomy)
31590	Laryngeal reinnervation by neuromuscular pedicle
31595	Section recurrent laryngeal nerve, therapeutic (separate procedure), unilateral
31750	Tracheoplasty; cervical
31755	Tracheoplasty; tracheopharyngeal fistulization, each stage
31760	Tracheoplasty; intrathoracic
31766	Carinal reconstruction
31770	Bronchoplasty; graft repair
31775	Bronchoplasty; excision stenosis and anastomosis
31780	Excision tracheal stenosis and anastomosis; cervical
31781	Excision tracheal stenosis and anastomosis; cervicothoracic

31785	Excision of tracheal tumor or carcinoma; cervical
31786	Excision of tracheal tumor or carcinoma; thoracic
31805	Suture of tracheal wound or injury; intrathoracic
32035	Thoracostomy; with rib resection for empyema
32036	Thoracostomy; with open flap drainage for empyema
32096	Thoracotomy, with diagnostic biopsy(ies) of lung infiltrate(s) (eg, wedge, incisional), unilateral
32097	Thoracotomy, with diagnostic biopsy(ies) of lung nodule(s) or mass(es) (eg, wedge, incisional), unilateral
32098	Thoracotomy, with biopsy(ies) of pleura
32100	Thoracotomy; with exploration
32110	Thoracotomy; with control of traumatic hemorrhage and/or repair of lung tear
32120	Thoracotomy; for postoperative complications
32124	Thoracotomy; with open intrapleural pneumonolysis
32140	Thoracotomy; with cyst(s) removal, includes pleural procedure when performed
32141	Thoracotomy; with resection-plication of bullae, includes any pleural procedure when performed
32150	Thoracotomy; with removal of intrapleural foreign body or fibrin deposit
32151	Thoracotomy; with removal of intrapulmonary foreign body
32160	Thoracotomy; with cardiac massage
32200	Pneumonostomy, with open drainage of abscess or cyst
32215	Pleural scarification for repeat pneumothorax
32220	Decortication, pulmonary (separate procedure); total
32225	Decortication, pulmonary (separate procedure); partial
32310	Pleurectomy, parietal (separate procedure)
32320	Decortication and parietal pleurectomy
32440	Removal of lung, pneumonectomy;
32442	Removal of lung, pneumonectomy; with resection of segment of trachea followed by broncho-tracheal anastomosis (sleeve pneumonectomy)
32445	Removal of lung, pneumonectomy; extrapleural
32480	Removal of lung, other than pneumonectomy; single lobe (lobectomy)
32482	Removal of lung, other than pneumonectomy; 2 lobes (bilobectomy)
32484	Removal of lung, other than pneumonectomy; single segment (segmentectomy)
32486	Removal of lung, other than pneumonectomy; with circumferential resection of segment of bronchus followed by broncho-bronchial anastomosis (sleeve lobectomy)
32488	Removal of lung, other than pneumonectomy; with all remaining lung following previous removal of a portion of lung (completion pneumonectomy)
32491	Removal of lung, other than pneumonectomy; with resection-plication of emphysematous lung(s) (bullous or non-bullous) for lung volume reduction, sternal split or transthoracic approach, includes any pleural procedure, when performed
32501	Resection and repair of portion of bronchus (bronchoplasty) when performed at time of lobectomy or segmentectomy (List separately in addition to code for primary procedure)
32503	Resection of apical lung tumor (eg, Pancoast tumor), including chest wall resection, rib(s) resection(s), neurovascular dissection, when performed; without chest wall reconstruction(s)

32504	Resection of apical lung tumor (eg, Pancoast tumor), including chest wall resection, rib(s) resection(s), neurovascular dissection, when performed; with chest wall reconstruction
32505	Thoracotomy; with therapeutic wedge resection (eg, mass, nodule), initial
32506	Thoracotomy; with therapeutic wedge resection (eg, mass or nodule), each additional resection, ipsilateral (List separately in addition to code for primary procedure)
32507	Thoracotomy; with diagnostic wedge resection followed by anatomic lung resection (List separately in addition to code for primary procedure)
32540	Extrapleural enucleation of empyema (empyemectomy)
32607	Thoracoscopy; with diagnostic biopsy(ies) of lung infiltrate(s) (eg, wedge, incisional), unilateral
32608	Thoracoscopy; with diagnostic biopsy(ies) of lung nodule(s) or mass(es) (eg, wedge, incisional), unilateral
32650	Thoracoscopy, surgical; with pleurodesis (eg, mechanical or chemical)
32651	Thoracoscopy, surgical; with partial pulmonary decortication
32652	Thoracoscopy, surgical; with total pulmonary decortication, including intrapleural pneumonolysis
32653	Thoracoscopy, surgical; with removal of intrapleural foreign body or fibrin deposit
32654	Thoracoscopy, surgical; with control of traumatic hemorrhage
32655	Thoracoscopy, surgical; with resection-plication of bullae, includes any pleural procedure when performed
32656	Thoracoscopy, surgical; with parietal pleurectomy
32658	Thoracoscopy, surgical; with removal of clot or foreign body from pericardial sac
32659	Thoracoscopy, surgical; with creation of pericardial window or partial resection of pericardial sac for drainage
32661	Thoracoscopy, surgical; with excision of pericardial cyst, tumor, or mass
32662	Thoracoscopy, surgical; with excision of mediastinal cyst, tumor, or mass
32663	Thoracoscopy, surgical; with lobectomy (single lobe)
32664	Thoracoscopy, surgical; with thoracic sympathectomy
32665	Thoracoscopy, surgical; with esophagomyotomy (Heller type)
32666	Thoracoscopy, surgical; with therapeutic wedge resection (eg, mass, nodule), initial unilateral
32667	Thoracoscopy, surgical; with therapeutic wedge resection (eg, mass or nodule), each additional resection, ipsilateral (List separately in addition to code for primary procedure)
32668	Thoracoscopy, surgical; with diagnostic wedge resection followed by anatomic lung resection (List separately in addition to code for primary procedure)
32669	Thoracoscopy, surgical; with removal of a single lung segment (segmentectomy)
32670	Thoracoscopy, surgical; with removal of two lobes (bilobectomy)
32671	Thoracoscopy, surgical; with removal of lung (pneumonectomy)
32672	Thoracoscopy, surgical; with resection-plication for emphysematous lung (bullous or non-bullous) for lung volume reduction (LVRS), unilateral includes any pleural procedure, when performed
32673	Thoracoscopy, surgical; with resection of thymus, unilateral or bilateral
32674	Thoracoscopy, surgical; with mediastinal and regional lymphadenectomy (List separately in addition to code for primary procedure)
32800	Repair lung hernia through chest wall

32810	Closure of chest wall following open flap drainage for empyema (Clagett type procedure)
32815	Open closure of major bronchial fistula
32820	Major reconstruction, chest wall (posttraumatic)
32850	Donor pneumonectomy(s) (including cold preservation), from cadaver donor
32851	Lung transplant, single; without cardiopulmonary bypass
32852	Lung transplant, single; with cardiopulmonary bypass
32853	Lung transplant, double (bilateral sequential or en bloc); without cardiopulmonary bypass
32854	Lung transplant, double (bilateral sequential or en bloc); with cardiopulmonary bypass
32900	Resection of ribs, extrapleural, all stages
32905	Thoracoplasty, Schede type or extrapleural (all stages);
32906	Thoracoplasty, Schede type or extrapleural (all stages); with closure of bronchopleural fistula
32940	Pneumonolysis, extraperiosteal, including filling or packing procedures
33020	Pericardiotomy for removal of clot or foreign body (primary procedure)
33025	Creation of pericardial window or partial resection for drainage
33030	Pericardiectomy, subtotal or complete; without cardiopulmonary bypass
33031	Pericardiectomy, subtotal or complete; with cardiopulmonary bypass
33050	Resection of pericardial cyst or tumor
33120	Excision of intracardiac tumor, resection with cardiopulmonary bypass
33130	Resection of external cardiac tumor
33140	Transmyocardial laser revascularization, by thoracotomy; (separate procedure)
33141	Transmyocardial laser revascularization, by thoracotomy; performed at the time of other open cardiac procedure(s) (List separately in addition to code for primary procedure)
33202	Insertion of epicardial electrode(s); open incision (eg, thoracotomy, median sternotomy, subxiphoid approach)
33203	Insertion of epicardial electrode(s); endoscopic approach (eg, thoracoscopy, pericardioscopy)
33236	Removal of permanent epicardial pacemaker and electrodes by thoracotomy; single lead system, atrial or ventricular
33237	Removal of permanent epicardial pacemaker and electrodes by thoracotomy; dual lead system
33238	Removal of permanent transvenous electrode(s) by thoracotomy
33243	Removal of single or dual chamber implantable defibrillator electrode(s); by thoracotomy
33249	Insertion or replacement of permanent implantable defibrillator system, with transvenous lead(s), single or dual chamber
33250	Operative ablation of supraventricular arrhythmogenic focus or pathway (eg, Wolff-Parkinson-White, atrioventricular node re-entry), tract(s) and/or focus (foci); without cardiopulmonary bypass
33251	Operative ablation of supraventricular arrhythmogenic focus or pathway (eg, Wolff-Parkinson-White, atrioventricular node re-entry), tract(s) and/or focus (foci); with cardiopulmonary bypass
33254	Operative tissue ablation and reconstruction of atria, limited (eg, modified maze procedure)
33255	Operative tissue ablation and reconstruction of atria, extensive (eg, maze procedure); without cardiopulmonary bypass

33256	Operative tissue ablation and reconstruction of atria, extensive (eg, maze procedure); with cardiopulmonary bypass
33257	Operative tissue ablation and reconstruction of atria, performed at the time of other cardiac procedure(s), limited (eg, modified maze procedure) (List separately in addition to code for primary procedure)
33258	Operative tissue ablation and reconstruction of atria, performed at the time of other cardiac procedure(s), extensive (eg, maze procedure), without cardiopulmonary bypass (List separately in addition to code for primary procedure)
33259	Operative tissue ablation and reconstruction of atria, performed at the time of other cardiac procedure(s), extensive (eg, maze procedure), with cardiopulmonary bypass (List separately in addition to code for primary procedure)
33261	Operative ablation of ventricular arrhythmogenic focus with cardiopulmonary bypass
33265	Endoscopy, surgical; operative tissue ablation and reconstruction of atria, limited (eg, modified maze procedure), without cardiopulmonary bypass
33266	Endoscopy, surgical; operative tissue ablation and reconstruction of atria, extensive (eg, maze procedure), without cardiopulmonary bypass
33300	Repair of cardiac wound; without bypass
33305	Repair of cardiac wound; with cardiopulmonary bypass
33310	Cardiotomy, exploratory (includes removal of foreign body, atrial or ventricular thrombus); without bypass
33315	Cardiotomy, exploratory (includes removal of foreign body, atrial or ventricular thrombus); with cardiopulmonary bypass
33320	Suture repair of aorta or great vessels; without shunt or cardiopulmonary bypass
33321	Suture repair of aorta or great vessels; with shunt bypass
33322	Suture repair of aorta or great vessels; with cardiopulmonary bypass
33330	Insertion of graft, aorta or great vessels; without shunt, or cardiopulmonary bypass
33335	Insertion of graft, aorta or great vessels; with cardiopulmonary bypass
33366	Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; transapical exposure (eg, left thoracotomy)
33367	Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; cardiopulmonary bypass support with percutaneous peripheral arterial and venous cannulation (eg, femoral vessels) (List separately in addition to code for primary procedure)
33368	Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; cardiopulmonary bypass support with open peripheral arterial and venous cannulation (eg, femoral, iliac, axillary vessels) (List separately in addition to code for primary procedure)
33369	Transcatheter aortic valve replacement (TAVR/TAVI) with prosthetic valve; cardiopulmonary bypass support with central arterial and venous cannulation (eg, aorta, right atrium, pulmonary artery) (List separately in addition to code for primary procedure)
33400	Valvuloplasty, aortic valve; open, with cardiopulmonary bypass
33401	Valvuloplasty, aortic valve; open, with inflow occlusion
33403	Valvuloplasty, aortic valve; using transventricular dilation, with cardiopulmonary bypass
33404	Construction of apical-aortic conduit

33405	Replacement, aortic valve, with cardiopulmonary bypass; with prosthetic valve other than homograft or stentless valve
33406	Replacement, aortic valve, with cardiopulmonary bypass; with allograft valve (freehand)
33410	Replacement, aortic valve, with cardiopulmonary bypass; with stentless tissue valve
33411	Replacement, aortic valve; with aortic annulus enlargement, noncoronary sinus
33412	Replacement, aortic valve; with transventricular aortic annulus enlargement (Konno procedure)
33413	Replacement, aortic valve; by translocation of autologous pulmonary valve with allograft replacement of pulmonary valve (Ross procedure)
33414	Repair of left ventricular outflow tract obstruction by patch enlargement of the outflow tract
33415	Resection or incision of subvalvular tissue for discrete subvalvular aortic stenosis
33416	Ventriculomyotomy (-myectomy) for idiopathic hypertrophic subaortic stenosis (eg, asymmetric septal hypertrophy)
33417	Aortoplasty (gusset) for supravalvular stenosis
33420	Valvotomy, mitral valve; closed heart
33422	Valvotomy, mitral valve; open heart, with cardiopulmonary bypass
33425	Valvuloplasty, mitral valve, with cardiopulmonary bypass;
33426	Valvuloplasty, mitral valve, with cardiopulmonary bypass; with prosthetic ring
33427	Valvuloplasty, mitral valve, with cardiopulmonary bypass; radical reconstruction, with or without ring
33430	Replacement, mitral valve, with cardiopulmonary bypass
33460	Valvectomy, tricuspid valve, with cardiopulmonary bypass
33463	Valvuloplasty, tricuspid valve; without ring insertion
33464	Valvuloplasty, tricuspid valve; with ring insertion
33465	Replacement, tricuspid valve, with cardiopulmonary bypass
33468	Tricuspid valve repositioning and plication for Ebstein anomaly
33470	Valvotomy, pulmonary valve, closed heart; transventricular
33471	Valvotomy, pulmonary valve, closed heart; via pulmonary artery
33474	Valvotomy, pulmonary valve, open heart, with cardiopulmonary bypass
33475	Replacement, pulmonary valve
33476	Right ventricular resection for infundibular stenosis, with or without commissurotomy
33477	Transcatheter pulmonary valve implantation, percutaneous approach, including pre-stenting of the valve delivery site, when performed
33478	Outflow tract augmentation (gusset), with or without commissurotomy or infundibular resection
33496	Repair of non-structural prosthetic valve dysfunction with cardiopulmonary bypass (separate procedure)
33500	Repair of coronary arteriovenous or arteriocardiac chamber fistula; with cardiopulmonary bypass
33501	Repair of coronary arteriovenous or arteriocardiac chamber fistula; without cardiopulmonary bypass
33502	Repair of anomalous coronary artery from pulmonary artery origin; by ligation
33503	Repair of anomalous coronary artery from pulmonary artery origin; by graft, without cardiopulmonary bypass

33504	Repair of anomalous coronary artery from pulmonary artery origin; by graft, with cardiopulmonary bypass
33505	Repair of anomalous coronary artery from pulmonary artery origin; with construction of intrapulmonary artery tunnel (Takeuchi procedure)
33506	Repair of anomalous coronary artery from pulmonary artery origin; by translocation from pulmonary artery to aorta
33507	Repair of anomalous (eg, intramural) aortic origin of coronary artery by unroofing or translocation
33510	Coronary artery bypass, vein only; single coronary venous graft
33511	Coronary artery bypass, vein only; 2 coronary venous grafts
33512	Coronary artery bypass, vein only; 3 coronary venous grafts
33513	Coronary artery bypass, vein only; 4 coronary venous grafts
33514	Coronary artery bypass, vein only; 5 coronary venous grafts
33516	Coronary artery bypass, vein only; 6 or more coronary venous grafts
33517	Coronary artery bypass, using venous graft(s) and arterial graft(s); single vein graft (List separately in addition to code for primary procedure)
33518	Coronary artery bypass, using venous graft(s) and arterial graft(s); 2 venous grafts (List separately in addition to code for primary procedure)
33519	Coronary artery bypass, using venous graft(s) and arterial graft(s); 3 venous grafts (List separately in addition to code for primary procedure)
33521	Coronary artery bypass, using venous graft(s) and arterial graft(s); 4 venous grafts (List separately in addition to code for primary procedure)
33522	Coronary artery bypass, using venous graft(s) and arterial graft(s); 5 venous grafts (List separately in addition to code for primary procedure)
33523	Coronary artery bypass, using venous graft(s) and arterial graft(s); 6 or more venous grafts (List separately in addition to code for primary procedure)
33530	Reoperation, coronary artery bypass procedure or valve procedure, more than 1 month after original operation (List separately in addition to code for primary procedure)
33533	Coronary artery bypass, using arterial graft(s); single arterial graft
33534	Coronary artery bypass, using arterial graft(s); 2 coronary arterial grafts
33535	Coronary artery bypass, using arterial graft(s); 3 coronary arterial grafts
33536	Coronary artery bypass, using arterial graft(s); 4 or more coronary arterial grafts
33542	Myocardial resection (eg, ventricular aneurysmectomy)
33545	Repair of postinfarction ventricular septal defect, with or without myocardial resection
33548	Surgical ventricular restoration procedure, includes prosthetic patch, when performed (eg, ventricular remodeling, SVR, SAVER, DOR procedures)
33572	Coronary endarterectomy, open, any method, of left anterior descending, circumflex, or right coronary artery performed in conjunction with coronary artery bypass graft procedure, each vessel (List separately in addition to primary procedure)
33600	Closure of atrioventricular valve (mitral or tricuspid) by suture or patch
33602	Closure of semilunar valve (aortic or pulmonary) by suture or patch
33606	Anastomosis of pulmonary artery to aorta (Damas-Kaye-Stansel procedure)
33608	Repair of complex cardiac anomaly other than pulmonary atresia with ventricular septal defect by construction or replacement of conduit from right or left ventricle to pulmonary artery

33610	Repair of complex cardiac anomalies (eg, single ventricle with subaortic obstruction) by surgical enlargement of ventricular septal defect
33611	Repair of double outlet right ventricle with intraventricular tunnel repair;
33612	Repair of double outlet right ventricle with intraventricular tunnel repair; with repair of right ventricular outflow tract obstruction
33615	Repair of complex cardiac anomalies (eg, tricuspid atresia) by closure of atrial septal defect and anastomosis of atria or vena cava to pulmonary artery (simple Fontan procedure)
33617	Repair of complex cardiac anomalies (eg, single ventricle) by modified Fontan procedure
33619	Repair of single ventricle with aortic outflow obstruction and aortic arch hypoplasia (hypoplastic left heart syndrome) (eg, Norwood procedure)
33620	Application of right and left pulmonary artery bands (eg, hybrid approach stage 1)
33621	Transthoracic insertion of catheter for stent placement with catheter removal and closure (eg, hybrid approach stage 1)
33622	Reconstruction of complex cardiac anomaly (eg, single ventricle or hypoplastic left heart) with palliation of single ventricle with aortic outflow obstruction and aortic arch hypoplasia, creation of cavopulmonary anastomosis, and removal of right and left pulmonary bands (eg, hybrid approach stage 2, Norwood, bidirectional Glenn, pulmonary artery debanding)
33641	Repair atrial septal defect, secundum, with cardiopulmonary bypass, with or without patch
33645	Direct or patch closure, sinus venosus, with or without anomalous pulmonary venous drainage
33647	Repair of atrial septal defect and ventricular septal defect, with direct or patch closure
33660	Repair of incomplete or partial atrioventricular canal (ostium primum atrial septal defect), with or without atrioventricular valve repair
33665	Repair of intermediate or transitional atrioventricular canal, with or without atrioventricular valve repair
33670	Repair of complete atrioventricular canal, with or without prosthetic valve
33675	Closure of multiple ventricular septal defects;
33676	Closure of multiple ventricular septal defects; with pulmonary valvotomy or infundibular resection (acyanotic)
33677	Closure of multiple ventricular septal defects; with removal of pulmonary artery band, with or without gusset
33681	Closure of single ventricular septal defect, with or without patch;
33684	Closure of single ventricular septal defect, with or without patch; with pulmonary valvotomy or infundibular resection (acyanotic)
33688	Closure of single ventricular septal defect, with or without patch; with removal of pulmonary artery band, with or without gusset
33690	Banding of pulmonary artery
33692	Complete repair tetralogy of Fallot without pulmonary atresia;
33694	Complete repair tetralogy of Fallot without pulmonary atresia; with transannular patch
33697	Complete repair tetralogy of Fallot with pulmonary atresia including construction of conduit from right ventricle to pulmonary artery and closure of ventricular septal defect
33702	Repair sinus of Valsalva fistula, with cardiopulmonary bypass;

33710	Repair sinus of Valsalva fistula, with cardiopulmonary bypass; with repair of ventricular septal defect
33720	Repair sinus of Valsalva aneurysm, with cardiopulmonary bypass
33722	Closure of aortico-left ventricular tunnel
33724	Repair of isolated partial anomalous pulmonary venous return (eg, Scimitar Syndrome)
33726	Repair of pulmonary venous stenosis
33730	Complete repair of anomalous pulmonary venous return (supracardiac, intracardiac, or infracardiac types)
33732	Repair of cor triatriatum or supra-ventricular mitral ring by resection of left atrial membrane
33735	Atrial septectomy or septostomy; closed heart (Blalock-Hanlon type operation)
33736	Atrial septectomy or septostomy; open heart with cardiopulmonary bypass
33737	Atrial septectomy or septostomy; open heart, with inflow occlusion
33750	Shunt; subclavian to pulmonary artery (Blalock-Taussig type operation)
33755	Shunt; ascending aorta to pulmonary artery (Waterston type operation)
33762	Shunt; descending aorta to pulmonary artery (Potts-Smith type operation)
33764	Shunt; central, with prosthetic graft
33766	Shunt; superior vena cava to pulmonary artery for flow to 1 lung (classical Glenn procedure)
33767	Shunt; superior vena cava to pulmonary artery for flow to both lungs (bidirectional Glenn procedure)
33768	Anastomosis, cavopulmonary, second superior vena cava (List separately in addition to primary procedure)
33770	Repair of transposition of the great arteries with ventricular septal defect and subpulmonary stenosis; without surgical enlargement of ventricular septal defect
33771	Repair of transposition of the great arteries with ventricular septal defect and subpulmonary stenosis; with surgical enlargement of ventricular septal defect
33774	Repair of transposition of the great arteries, atrial baffle procedure (eg, Mustard or Senning type) with cardiopulmonary bypass;
33775	Repair of transposition of the great arteries, atrial baffle procedure (eg, Mustard or Senning type) with cardiopulmonary bypass; with removal of pulmonary band
33776	Repair of transposition of the great arteries, atrial baffle procedure (eg, Mustard or Senning type) with cardiopulmonary bypass; with closure of ventricular septal defect
33777	Repair of transposition of the great arteries, atrial baffle procedure (eg, Mustard or Senning type) with cardiopulmonary bypass; with repair of subpulmonic obstruction
33778	Repair of transposition of the great arteries, aortic pulmonary artery reconstruction (eg, Jatene type);
33779	Repair of transposition of the great arteries, aortic pulmonary artery reconstruction (eg, Jatene type); with removal of pulmonary band
33780	Repair of transposition of the great arteries, aortic pulmonary artery reconstruction (eg, Jatene type); with closure of ventricular septal defect
33781	Repair of transposition of the great arteries, aortic pulmonary artery reconstruction (eg, Jatene type); with repair of subpulmonic obstruction

33782	Aortic root translocation with ventricular septal defect and pulmonary stenosis repair (ie, Nikaidoh procedure); without coronary ostium reimplantation
33783	Aortic root translocation with ventricular septal defect and pulmonary stenosis repair (ie, Nikaidoh procedure); with reimplantation of 1 or both coronary ostia
33786	Total repair, truncus arteriosus (Rastelli type operation)
33788	Reimplantation of an anomalous pulmonary artery
33800	Aortic suspension (aortopexy) for tracheal decompression (eg, for tracheomalacia) (separate procedure)
33802	Division of aberrant vessel (vascular ring);
33803	Division of aberrant vessel (vascular ring); with reanastomosis
33813	Obliteration of aortopulmonary septal defect; without cardiopulmonary bypass
33814	Obliteration of aortopulmonary septal defect; with cardiopulmonary bypass
33820	Repair of patent ductus arteriosus; by ligation
33822	Repair of patent ductus arteriosus; by division, younger than 18 years
33824	Repair of patent ductus arteriosus; by division, 18 years and older
33840	Excision of coarctation of aorta, with or without associated patent ductus arteriosus; with direct anastomosis
33845	Excision of coarctation of aorta, with or without associated patent ductus arteriosus; with graft
33851	Excision of coarctation of aorta, with or without associated patent ductus arteriosus; repair using either left subclavian artery or prosthetic material as gusset for enlargement
33852	Repair of hypoplastic or interrupted aortic arch using autogenous or prosthetic material; without cardiopulmonary bypass
33853	Repair of hypoplastic or interrupted aortic arch using autogenous or prosthetic material; with cardiopulmonary bypass
33860	Ascending aorta graft, with cardiopulmonary bypass, includes valve suspension, when performed
33863	Ascending aorta graft, with cardiopulmonary bypass, with aortic root replacement using valved conduit and coronary reconstruction (eg, Bentall)
33864	Ascending aorta graft, with cardiopulmonary bypass with valve suspension, with coronary reconstruction and valve-sparing aortic root remodeling (eg, David Procedure, Yacoub Procedure)
33870	Transverse arch graft, with cardiopulmonary bypass
33875	Descending thoracic aorta graft, with or without bypass
33877	Repair of thoracoabdominal aortic aneurysm with graft, with or without cardiopulmonary bypass
33889	Open subclavian to carotid artery transposition performed in conjunction with endovascular repair of descending thoracic aorta, by neck incision, unilateral
33891	Bypass graft, with other than vein, transcervical retropharyngeal carotid-carotid, performed in conjunction with endovascular repair of descending thoracic aorta, by neck incision
33910	Pulmonary artery embolectomy; with cardiopulmonary bypass
33915	Pulmonary artery embolectomy; without cardiopulmonary bypass
33916	Pulmonary endarterectomy, with or without embolectomy, with cardiopulmonary bypass

33917	Repair of pulmonary artery stenosis by reconstruction with patch or graft
33920	Repair of pulmonary atresia with ventricular septal defect, by construction or replacement of conduit from right or left ventricle to pulmonary artery
33922	Transection of pulmonary artery with cardiopulmonary bypass
33924	Ligation and takedown of a systemic-to-pulmonary artery shunt, performed in conjunction with a congenital heart procedure (List separately in addition to code for primary procedure)
33925	Repair of pulmonary artery arborization anomalies by unifocalization; without cardiopulmonary bypass
33926	Repair of pulmonary artery arborization anomalies by unifocalization; with cardiopulmonary bypass
33930	Donor cardiectomy-pneumonectomy (including cold preservation)
33935	Heart-lung transplant with recipient cardiectomy-pneumonectomy
33940	Donor cardiectomy (including cold preservation)
33945	Heart transplant, with or without recipient cardiectomy
33946	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; initiation, veno-venous
33947	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; initiation, veno-arterial
33948	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; daily management, each day, veno-venous
33949	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; daily management, each day, veno-arterial
33951	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), percutaneous, birth through 5 years of age (includes fluoroscopic guidance, when performed)
33952	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), percutaneous, 6 years and older (includes fluoroscopic guidance, when performed)
33953	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), open, birth through 5 years of age
33954	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), open, 6 years and older
33955	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of central cannula(e) by sternotomy or thoracotomy, birth through 5 years of age
33956	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of central cannula(e) by sternotomy or thoracotomy, 6 years and older
33957	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), percutaneous, birth through 5 years of age (includes fluoroscopic guidance, when performed)

33958	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), percutaneous, 6 years and older (includes fluoroscopic guidance, when performed)
33959	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), open, birth through 5 years of age (includes fluoroscopic guidance, when performed)
33962	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), open, 6 years and older (includes fluoroscopic guidance, when performed)
33963	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition of central cannula(e) by sternotomy or thoracotomy, birth through 5 years of age (includes fluoroscopic guidance, when performed)
33964	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition central cannula(e) by sternotomy or thoracotomy, 6 years and older (includes fluoroscopic guidance, when performed)
33965	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), percutaneous, birth through 5 years of age
33966	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), percutaneous, 6 years and older
33969	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), open, birth through 5 years of age
33970	Insertion of intra-aortic balloon assist device through the femoral artery, open approach
33971	Removal of intra-aortic balloon assist device including repair of femoral artery, with or without graft
33973	Insertion of intra-aortic balloon assist device through the ascending aorta
33974	Removal of intra-aortic balloon assist device from the ascending aorta, including repair of the ascending aorta, with or without graft
33975	Insertion of ventricular assist device; extracorporeal, single ventricle
33976	Insertion of ventricular assist device; extracorporeal, biventricular
33977	Removal of ventricular assist device; extracorporeal, single ventricle
33978	Removal of ventricular assist device; extracorporeal, biventricular
33979	Insertion of ventricular assist device, implantable intracorporeal, single ventricle
33980	Removal of ventricular assist device, implantable intracorporeal, single ventricle
33981	Replacement of extracorporeal ventricular assist device, single or biventricular, pump(s), single or each pump
33982	Replacement of ventricular assist device pump(s); implantable intracorporeal, single ventricle, without cardiopulmonary bypass
33983	Replacement of ventricular assist device pump(s); implantable intracorporeal, single ventricle, with cardiopulmonary bypass

33984	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), open, 6 years and older
33985	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of central cannula(e) by sternotomy or thoracotomy, birth through 5 years of age
33986	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of central cannula(e) by sternotomy or thoracotomy, 6 years and older
33987	Arterial exposure with creation of graft conduit (eg, chimney graft) to facilitate arterial perfusion for ECMO/ECLS (List separately in addition to code for primary procedure)
33988	Insertion of left heart vent by thoracic incision (eg, sternotomy, thoracotomy) for ECMO/ECLS
33989	Removal of left heart vent by thoracic incision (eg, sternotomy, thoracotomy) for ECMO/ECLS
33999	Unlisted procedure, cardiac surgery
34001	Embolectomy or thrombectomy, with or without catheter; carotid, subclavian or innominate artery, by neck incision
34051	Embolectomy or thrombectomy, with or without catheter; innominate, subclavian artery, by thoracic incision
34101	Embolectomy or thrombectomy, with or without catheter; axillary, brachial, innominate, subclavian artery, by arm incision
34151	Embolectomy or thrombectomy, with or without catheter; renal, celiac, mesentery, aortoiliac artery, by abdominal incision
34201	Embolectomy or thrombectomy, with or without catheter; femoropopliteal, aortoiliac artery, by leg incision
34203	Embolectomy or thrombectomy, with or without catheter; popliteal-tibio-peroneal artery, by leg incision
34401	Thrombectomy, direct or with catheter; vena cava, iliac vein, by abdominal incision
34421	Thrombectomy, direct or with catheter; vena cava, iliac, femoropopliteal vein, by leg incision
34451	Thrombectomy, direct or with catheter; vena cava, iliac, femoropopliteal vein, by abdominal and leg incision
34471	Thrombectomy, direct or with catheter; subclavian vein, by neck incision
34501	Valvuloplasty, femoral vein
34502	Reconstruction of vena cava, any method
34510	Venous valve transposition, any vein donor
34520	Cross-over vein graft to venous system
34530	Saphenopopliteal vein anastomosis
34830	Open repair of infrarenal aortic aneurysm or dissection, plus repair of associated arterial trauma, following unsuccessful endovascular repair; tube prosthesis
34831	Open repair of infrarenal aortic aneurysm or dissection, plus repair of associated arterial trauma, following unsuccessful endovascular repair; aorto-bi-iliac prosthesis
34832	Open repair of infrarenal aortic aneurysm or dissection, plus repair of associated arterial trauma, following unsuccessful endovascular repair; aorto-bifemoral prosthesis

34833	Open iliac artery exposure with creation of conduit for delivery of aortic or iliac endovascular prosthesis, by abdominal or retroperitoneal incision, unilateral
34900	Endovascular repair of iliac artery (eg, aneurysm, pseudoaneurysm, arteriovenous malformation, trauma) using ilio-iliac tube endoprosthesis
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 aneurysm, 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
35011	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for aneurysm and associated occlusive disease, axillary-brachial artery, by arm incision
35013	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm, axillary-brachial artery, by arm incision
35021	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, innominate, subclavian artery, by thoracic incision
35022	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm, innominate, subclavian artery, by thoracic incision
35045	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, radial or ulnar artery
35081	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, abdominal aorta
35082	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm, abdominal aorta
35091	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, abdominal aorta involving visceral vessels (mesenteric, celiac, renal)
35092	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm, abdominal aorta involving visceral vessels (mesenteric, celiac, renal)
35102	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, abdominal aorta involving iliac vessels (common, hypogastric, external)
35103	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm, abdominal aorta involving iliac vessels (common, hypogastric, external)

35111	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. solenic artery
35112	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm, splenic artery
35121	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, hepatic, celiac, renal, or mesenteric artery
35122	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm, hepatic, celiac, renal, or mesenteric artery
35131	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, iliac artery (common, hypogastric, external)
35132	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm, iliac artery (common, hypogastric, external)
35141	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, common femoral artery (profunda femoris, superficial femoral)
35142	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm, common femoral artery (profunda femoris, superficial femoral)
35151	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. popliteal artery
35152	Direct repair of aneurysm, pseudoaneurysm, or excision (partial or total) and graft insertion, with or without patch graft; for ruptured aneurysm, popliteal artery
35180	Repair, congenital arteriovenous fistula; head and neck
35182	Repair, congenital arteriovenous fistula; thorax and abdomen
35184	Repair, congenital arteriovenous fistula; extremities
35188	Repair, acquired or traumatic arteriovenous fistula; head and neck
35189	Repair, acquired or traumatic arteriovenous fistula; thorax and abdomen
35190	Repair, acquired or traumatic arteriovenous fistula; extremities
35201	Repair blood vessel, direct; neck
35206	Repair blood vessel, direct; upper extremity
35207	Repair blood vessel, direct; hand, finger
35211	Repair blood vessel, direct; intrathoracic, with bypass
35216	Repair blood vessel, direct; intrathoracic, without bypass
35221	Repair blood vessel, direct; intra-abdominal
35226	Repair blood vessel, direct; lower extremity
35231	Repair blood vessel with vein graft; neck
35236	Repair blood vessel with vein graft; upper extremity
35241	Repair blood vessel with vein graft; intrathoracic, with bypass
35246	Repair blood vessel with vein graft; intrathoracic, without bypass
35251	Repair blood vessel with vein graft; intra-abdominal
35256	Repair blood vessel with vein graft; lower extremity

35261	Repair blood vessel with graft other than vein; neck
35266	Repair blood vessel with graft other than vein; upper extremity
35271	Repair blood vessel with graft other than vein; intrathoracic, with bypass
35276	Repair blood vessel with graft other than vein; intrathoracic, without bypass
35281	Repair blood vessel with graft other than vein; intra-abdominal
35286	Repair blood vessel with graft other than vein; lower extremity
35301	Thromboendarterectomy, including patch graft, if performed; carotid, vertebral, subclavian, by neck incision
35302	Thromboendarterectomy, including patch graft, if performed; superficial femoral artery
35303	Thromboendarterectomy, including patch graft, if performed; popliteal artery
35304	Thromboendarterectomy, including patch graft, if performed; tibioperoneal trunk artery
35305	Thromboendarterectomy, including patch graft, if performed; tibial or peroneal artery, initial vessel
35306	Thromboendarterectomy, including patch graft, if performed; each additional tibial or peroneal artery (List separately in addition to code for primary procedure)
35311	Thromboendarterectomy, including patch graft, if performed; subclavian, innominate, by thoracic incision
35321	Thromboendarterectomy, including patch graft, if performed; axillary-brachial
35331	Thromboendarterectomy, including patch graft, if performed; abdominal aorta
35341	Thromboendarterectomy, including patch graft, if performed; mesenteric, celiac, or renal
35351	Thromboendarterectomy, including patch graft, if performed; iliac
35355	Thromboendarterectomy, including patch graft, if performed; iliofemoral
35361	Thromboendarterectomy, including patch graft, if performed; combined aortoiliac
35363	Thromboendarterectomy, including patch graft, if performed; combined aortoiliofemoral
35371	Thromboendarterectomy, including patch graft, if performed; common femoral
35372	Thromboendarterectomy, including patch graft, if performed; deep (profunda) femoral
35390	Reoperation, carotid, thromboendarterectomy, more than 1 month after original operation (List separately in addition to code for primary procedure)
35450	Transluminal balloon angioplasty, open; renal or other visceral artery
35452	Transluminal balloon angioplasty, open; aortic
35458	Transluminal balloon angioplasty, open; brachiocephalic trunk or branches, each vessel
35460	Transluminal balloon angioplasty, open; venous
35500	Harvest of upper extremity vein, 1 segment, for lower extremity or coronary artery bypass procedure (List separately in addition to code for primary 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
35511	Bypass graft, with vein; subclavian-subclavian
35512	Bypass graft, with vein; subclavian-brachial
35515	Bypass graft, with vein; subclavian-vertebral
35516	Bypass graft, with vein; subclavian-axillary
35518	Bypass graft, with vein; axillary-axillary
35521	Bypass graft, with vein; axillary-femoral
35522	Bypass graft, with vein; axillary-brachial
35523	Bypass graft, with vein; brachial-ulnar or -radial
35525	Bypass graft, with vein; brachial-brachial
35526	Bypass graft, with vein; aortosubclavian, aortoinnominate, or aortocarotid
35531	Bypass graft, with vein; aortoceliac or aortomesenteric
35533	Bypass graft, with vein; axillary-femoral-femoral
35535	Bypass graft, with vein; hepatorenal
35536	Bypass graft, with vein; splenorenal
35537	Bypass graft, with vein; aortoiliac
35538	Bypass graft, with vein; aortobi-iliac
35539	Bypass graft, with vein; aortofemoral
35540	Bypass graft, with vein; aortobifemoral
35556	Bypass graft, with vein; femoral-popliteal
35558	Bypass graft, with vein; femoral-femoral
35560	Bypass graft, with vein; aortorenal
35563	Bypass graft, with vein; ilioliac
35565	Bypass graft, with vein; iliofemoral
35566	Bypass graft, with vein; femoral-anterior tibial, posterior tibial, peroneal artery or other distal vessels
35570	Bypass graft, with vein; tibial-tibial, peroneal-tibial, or tibial/peroneal trunk-tibial
35571	Bypass graft, with vein; popliteal-tibial, -peroneal artery or other distal vessels
35583	In-situ vein bypass; femoral-popliteal
35585	In-situ vein bypass; femoral-anterior tibial, posterior tibial, or peroneal artery
35587	In-situ vein bypass; popliteal-tibial, peroneal
35601	Bypass graft, with other than vein; common carotid-ipsilateral internal carotid
35606	Bypass graft, with other than vein; carotid-subclavian
35612	Bypass graft, with other than vein; subclavian-subclavian
35616	Bypass graft, with other than vein; subclavian-axillary
35621	Bypass graft, with other than vein; axillary-femoral
35623	Bypass graft, with other than vein; axillary-popliteal or -tibial
35626	Bypass graft, with other than vein; aortosubclavian, aortoinnominate, or aortocarotid
35631	Bypass graft, with other than vein; aortoceliac, aortomesenteric, aortorenal
35632	Bypass graft, with other than vein; ilio-celiac
35633	Bypass graft, with other than vein; ilio-mesenteric
35634	Bypass graft, with other than vein; iliorenal
35636	Bypass graft, with other than vein; splenorenal (splenic to renal arterial anastomosis)

35637	Bypass graft, with other than vein; aortoiliac
35638	Bypass graft, with other than vein; aortobi-iliac
35642	Bypass graft, with other than vein; carotid-vertebral
35645	Bypass graft, with other than vein; subclavian-vertebral
35646	Bypass graft, with other than vein; aortobifemoral
35647	Bypass graft, with other than vein; aortofemoral
35650	Bypass graft, with other than vein; axillary-axillary
35654	Bypass graft, with other than vein; axillary-femoral-femoral
35656	Bypass graft, with other than vein; femoral-popliteal
35661	Bypass graft, with other than vein; femoral-femoral
35663	Bypass graft, with other than vein; ilioiliac
35665	Bypass graft, with other than vein; iliofemoral
35666	Bypass graft, with other than vein; femoral-anterior tibial, posterior tibial, or peroneal artery
35671	Bypass graft, with other than vein; popliteal-tibial or -peroneal artery
35681	Bypass graft; composite, prosthetic and vein (List separately in addition to code for primary procedure)
35682	Bypass graft; autogenous composite, 2 segments of veins from 2 locations (List separately in addition to code for primary procedure)
35683	Bypass graft; autogenous composite, 3 or more segments of vein from 2 or more locations (List separately in addition to code for primary procedure)
35685	Placement of vein patch or cuff at distal anastomosis of bypass graft, synthetic conduit (List separately in addition to code for primary procedure)
35686	Creation of distal arteriovenous fistula during lower extremity bypass surgery (non-hemodialysis) (List separately in addition to code for primary procedure)
35691	Transposition and/or reimplantation; vertebral to carotid artery
35693	Transposition and/or reimplantation; vertebral to subclavian artery
35694	Transposition and/or reimplantation; subclavian to carotid artery
35695	Transposition and/or reimplantation; carotid to subclavian artery
35697	Reimplantation, visceral artery to infrarenal aortic prosthesis, each artery (List separately in addition to code for primary procedure)
35700	Reoperation, femoral-popliteal or femoral (popliteal)-anterior tibial, posterior tibial, peroneal artery, or other distal vessels, more than 1 month after original operation (List separately in addition to code for primary procedure)
35701	Exploration (not followed by surgical repair), with or without lysis of artery; carotid artery
35721	Exploration (not followed by surgical repair), with or without lysis of artery; femoral artery
35741	Exploration (not followed by surgical repair), with or without lysis of artery; popliteal artery
35761	Exploration (not followed by surgical repair), with or without lysis of artery; other vessels
35800	Exploration for postoperative hemorrhage, thrombosis or infection; neck
35820	Exploration for postoperative hemorrhage, thrombosis or infection; chest
35840	Exploration for postoperative hemorrhage, thrombosis or infection; abdomen
35860	Exploration for postoperative hemorrhage, thrombosis or infection; extremity
35870	Repair of graft-enteric fistula

35875	Thrombectomy of arterial or venous graft (other than hemodialysis graft or fistula);
35876	Thrombectomy of arterial or venous graft (other than hemodialysis graft or fistula); with revision of arterial or venous graft
35879	Revision, lower extremity arterial bypass, without thrombectomy, open; with vein patch angioplasty
35881	Revision, lower extremity arterial bypass, without thrombectomy, open; with segmental vein interposition
35883	Revision, femoral anastomosis of synthetic arterial bypass graft in groin, open; with nonautogenous patch graft (eg, Dacron, ePTFE, bovine pericardium)
35884	Revision, femoral anastomosis of synthetic arterial bypass graft in groin, open; with autogenous vein patch graft
35901	Excision of infected graft; neck
35903	Excision of infected graft; extremity
35905	Excision of infected graft; thorax
35907	Excision of infected graft; abdomen
36818	Arteriovenous anastomosis, open; by upper arm cephalic vein transposition
36823	Insertion of arterial and venous cannula(s) for isolated extracorporeal circulation including regional chemotherapy perfusion to an extremity, with or without hyperthermia, with removal of cannula(s) and repair of arteriotomy and venotomy sites
36825	Creation of arteriovenous fistula by other than direct arteriovenous anastomosis (separate procedure); autogenous graft
36830	Creation of arteriovenous fistula by other than direct arteriovenous anastomosis (separate procedure); nonautogenous graft (eg, biological collagen, thermoplastic graft)
36835	Insertion of Thomas shunt (separate procedure)
36838	Distal revascularization and interval ligation (DRIL), upper extremity hemodialysis access (steal syndrome)
37140	Venous anastomosis, open; portocaval
37145	Venous anastomosis, open; renoportal
37160	Venous anastomosis, open; caval-mesenteric
37180	Venous anastomosis, open; splenorenal, proximal
37181	Venous anastomosis, open; splenorenal, distal (selective decompression of esophagogastric varices, any technique)
37218	Transcatheter placement of intravascular stent(s), intrathoracic common carotid artery or innominate artery, open or percutaneous antegrade approach, including angioplasty, when performed, and radiological supervision and interpretation
37224	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal angioplasty
37225	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with atherectomy, includes angioplasty within the same vessel, when performed
37226	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed

37227	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed
37228	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal angioplasty
37229	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with atherectomy, includes angioplasty within the same vessel, when performed
37230	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed
37231	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed
37232	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal angioplasty (List separately in addition to code for primary procedure)
37233	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with atherectomy, includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure)
37234	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure)
37235	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure)
37615	Ligation, major artery (eg, post-traumatic, rupture); neck
37616	Ligation, major artery (eg, post-traumatic, rupture); chest
37617	Ligation, major artery (eg, post-traumatic, rupture); abdomen
37618	Ligation, major artery (eg, post-traumatic, rupture); extremity
37619	Ligation of inferior vena cava
37650	Ligation of femoral vein
37660	Ligation of common iliac vein
37735	Ligation and division and complete stripping of long or short saphenous veins with radical excision of ulcer and skin graft and/or interruption of communicating veins of lower leg, with excision of deep fascia
37788	Penile revascularization, artery, with or without vein graft
37790	Penile venous occlusive procedure
38100	Splenectomy; total (separate procedure)
38101	Splenectomy; partial (separate procedure)
38102	Splenectomy; total, en bloc for extensive disease, in conjunction with other procedure (List in addition to code for primary procedure)
38115	Repair of ruptured spleen (splenorrhaphy) with or without partial splenectomy
38120	Laparoscopy, surgical, splenectomy
38129	Unlisted laparoscopy procedure, spleen

38380	Suture and/or ligation of thoracic duct; cervical approach
38381	Suture and/or ligation of thoracic duct; thoracic approach
38382	Suture and/or ligation of thoracic duct; abdominal approach
38555	Excision of cystic hygroma, axillary or cervical; with deep neurovascular dissection
38562	Limited lymphadenectomy for staging (separate procedure); pelvic and para-aortic
38564	Limited lymphadenectomy for staging (separate procedure); retroperitoneal (aortic and/or splenic)
38570	Laparoscopy, surgical; with retroperitoneal lymph node sampling (biopsy), single or multiple
38571	Laparoscopy, surgical; with bilateral total pelvic lymphadenectomy
38572	Laparoscopy, surgical; with bilateral total pelvic lymphadenectomy and peri-aortic lymph node sampling (biopsy), single or multiple
38589	Unlisted laparoscopy procedure, lymphatic system
38700	Suprahyoid lymphadenectomy
38720	Cervical lymphadenectomy (complete)
38724	Cervical lymphadenectomy (modified radical neck dissection)
38740	Axillary lymphadenectomy; superficial
38745	Axillary lymphadenectomy; complete
38746	Thoracic lymphadenectomy by thoracotomy, mediastinal and regional lymphadenectomy (List separately in addition to code for primary procedure)
38747	Abdominal lymphadenectomy, regional, including celiac, gastric, portal, peripancreatic, with or without para-aortic and vena caval nodes (List separately in addition to code for primary procedure)
38760	Inguinofemoral lymphadenectomy, superficial, including Cloquets node (separate procedure)
38765	Inguinofemoral lymphadenectomy, superficial, in continuity with pelvic lymphadenectomy, including external iliac, hypogastric, and obturator nodes (separate procedure)
38770	Pelvic lymphadenectomy, including external iliac, hypogastric, and obturator nodes (separate procedure)
38780	Retroperitoneal transabdominal lymphadenectomy, extensive, including pelvic, aortic, and renal nodes (separate procedure)
39010	Mediastinotomy with exploration, drainage, removal of foreign body, or biopsy; transthoracic approach, including either transthoracic or median sternotomy
39200	Resection of mediastinal cyst
39220	Resection of mediastinal tumor
39501	Repair, laceration of diaphragm, any approach
39503	Repair, neonatal diaphragmatic hernia, with or without chest tube insertion and with or without creation of ventral hernia
39540	Repair, diaphragmatic hernia (other than neonatal), traumatic; acute
39541	Repair, diaphragmatic hernia (other than neonatal), traumatic; chronic
39545	Imbrication of diaphragm for eventration, transthoracic or transabdominal, paralytic or nonparalytic
39560	Resection, diaphragm; with simple repair (eg, primary suture)
39561	Resection, diaphragm; with complex repair (eg, prosthetic material, local muscle flap)
39599	Unlisted procedure, diaphragm
41120	Glossectomy; less than one-half tongue

41130	Glossectomy; hemiglossectomy
41135	Glossectomy; partial, with unilateral radical neck dissection
41140	Glossectomy; complete or total, with or without tracheostomy, without radical neck dissection
41145	Glossectomy; complete or total, with or without tracheostomy, with unilateral radical neck dissection
41150	Glossectomy; composite procedure with resection floor of mouth and mandibular resection, without radical neck dissection
41153	Glossectomy; composite procedure with resection floor of mouth, with suprahyoid neck dissection
41155	Glossectomy; composite procedure with resection floor of mouth, mandibular resection, and radical neck dissection (Commando type)
42120	Resection of palate or extensive resection of lesion
42410	Excision of parotid tumor or parotid gland; lateral lobe, without nerve dissection
42415	Excision of parotid tumor or parotid gland; lateral lobe, with dissection and preservation of facial nerve
42420	Excision of parotid tumor or parotid gland; total, with dissection and preservation of facial nerve
42425	Excision of parotid tumor or parotid gland; total, en bloc removal with sacrifice of facial nerve
42426	Excision of parotid tumor or parotid gland; total, with unilateral radical neck dissection
42815	Excision branchial cleft cyst, vestige, or fistula, extending beneath subcutaneous tissues and/or into pharynx
42842	Radical resection of tonsil, tonsillar pillars, and/or retromolar trigone; without closure
42844	Radical resection of tonsil, tonsillar pillars, and/or retromolar trigone; closure with local flap (eg, tongue, buccal)
42845	Radical resection of tonsil, tonsillar pillars, and/or retromolar trigone; closure with other flap
42890	Limited pharyngectomy
42892	Resection of lateral pharyngeal wall or pyriform sinus, direct closure by advancement of lateral and posterior pharyngeal walls
42894	Resection of pharyngeal wall requiring closure with myocutaneous or fasciocutaneous flap or free muscle, skin, or fascial flap with microvascular anastomosis
42953	Pharyngoesophageal repair
43020	Esophagotomy, cervical approach, with removal of foreign body
43030	Cricopharyngeal myotomy
43045	Esophagotomy, thoracic approach, with removal of foreign body
43100	Excision of lesion, esophagus, with primary repair; cervical approach
43101	Excision of lesion, esophagus, with primary repair; thoracic or abdominal approach
43107	Total or near total esophagectomy, without thoracotomy; with pharyngogastrostomy or cervical esophagogastrostomy, with or without pyloroplasty (transhiatal)
43108	Total or near total esophagectomy, without thoracotomy; with colon interposition or small intestine reconstruction, including intestine mobilization, preparation and anastomosis(es)

43112	Total or near total esophagectomy, with thoracotomy; with pharyngogastrostomy or cervical esophagogastrostomy, with or without pyloroplasty
43113	Total or near total esophagectomy, with thoracotomy; with colon interposition or small intestine reconstruction, including intestine mobilization, preparation, and anastomosis(es)
43116	Partial esophagectomy, cervical, with free intestinal graft, including microvascular anastomosis, obtaining the graft and intestinal reconstruction
43117	Partial esophagectomy, distal two-thirds, with thoracotomy and separate abdominal incision, with or without proximal gastrectomy; with thoracic esophagogastrostomy, with or without pyloroplasty (Ivor Lewis)
43118	Partial esophagectomy, distal two-thirds, with thoracotomy and separate abdominal incision, with or without proximal gastrectomy; with colon interposition or small intestine reconstruction, including intestine mobilization, preparation, and anastomosis(es)
43121	Partial esophagectomy, distal two-thirds, with thoracotomy only, with or without proximal gastrectomy, with thoracic esophagogastrostomy, with or without pyloroplasty
43122	Partial esophagectomy, thoracoabdominal or abdominal approach, with or without proximal gastrectomy; with esophagogastrostomy, with or without pyloroplasty
43123	Partial esophagectomy, thoracoabdominal or abdominal approach, with or without proximal gastrectomy; with colon interposition or small intestine reconstruction, including intestine mobilization, preparation, and anastomosis(es)
43124	Total or partial esophagectomy, without reconstruction (any approach), with cervical esophagostomy
43130	Diverticulectomy of hypopharynx or esophagus, with or without myotomy; cervical approach
43135	Diverticulectomy of hypopharynx or esophagus, with or without myotomy; thoracic approach
43279	Laparoscopy, surgical, esophagomyotomy (Heller type), with fundoplasty, when performed
43280	Laparoscopy, surgical, esophagogastric fundoplasty (eg, Nissen, Toupet procedures)
43281	Laparoscopy, surgical, repair of paraesophageal hernia, includes fundoplasty, when performed; without implantation of mesh
43282	Laparoscopy, surgical, repair of paraesophageal hernia, includes fundoplasty, when performed; with implantation of mesh
43283	Laparoscopy, surgical, esophageal lengthening procedure (eg, Collis gastroplasty or wedge gastroplasty) (List separately in addition to code for primary procedure)
43289	Unlisted laparoscopy procedure, esophagus
43300	Esophagoplasty (plastic repair or reconstruction), cervical approach; without repair of tracheoesophageal fistula
43305	Esophagoplasty (plastic repair or reconstruction), cervical approach; with repair of tracheoesophageal fistula
43310	Esophagoplasty (plastic repair or reconstruction), thoracic approach; without repair of tracheoesophageal fistula
43312	Esophagoplasty (plastic repair or reconstruction), thoracic approach; with repair of tracheoesophageal fistula

43313	Esophagoplasty for congenital defect (plastic repair or reconstruction), thoracic approach; without repair of congenital tracheoesophageal fistula
43314	Esophagoplasty for congenital defect (plastic repair or reconstruction), thoracic approach; with repair of congenital tracheoesophageal fistula
43320	Esophagogastrostomy (cardioplasty), with or without vagotomy and pyloroplasty, transabdominal or transthoracic approach
43325	Esophagogastric fundoplasty, with fundic patch (Thal-Nissen procedure)
43327	Esophagogastric fundoplasty partial or complete; laparotomy
43328	Esophagogastric fundoplasty partial or complete; thoracotomy
43330	Esophagomyotomy (Heller type); abdominal approach
43331	Esophagomyotomy (Heller type); thoracic approach
43332	Repair, paraesophageal hiatal hernia (including fundoplication), via laparotomy, except neonatal; without implantation of mesh or other prosthesis
43333	Repair, paraesophageal hiatal hernia (including fundoplication), via laparotomy, except neonatal; with implantation of mesh or other prosthesis
43334	Repair, paraesophageal hiatal hernia (including fundoplication), via thoracotomy, except neonatal; without implantation of mesh or other prosthesis
43335	Repair, paraesophageal hiatal hernia (including fundoplication), via thoracotomy, except neonatal; with implantation of mesh or other prosthesis
43336	Repair, paraesophageal hiatal hernia, (including fundoplication), via thoracoabdominal incision, except neonatal; without implantation of mesh or other prosthesis
43337	Repair, paraesophageal hiatal hernia, (including fundoplication), via thoracoabdominal incision, except neonatal; with implantation of mesh or other prosthesis
43338	Esophageal lengthening procedure (eg, Collis gastroplasty or wedge gastroplasty) (List separately in addition to code for primary procedure)
43340	Esophagojejunostomy (without total gastrectomy); abdominal approach
43341	Esophagojejunostomy (without total gastrectomy); thoracic approach
43351	Esophagostomy, fistulization of esophagus, external; thoracic approach
43352	Esophagostomy, fistulization of esophagus, external; cervical approach
43360	Gastrointestinal reconstruction for previous esophagectomy, for obstructing esophageal lesion or fistula, or for previous esophageal exclusion; with stomach, with or without pyloroplasty
43361	Gastrointestinal reconstruction for previous esophagectomy, for obstructing esophageal lesion or fistula, or for previous esophageal exclusion; with colon interposition or small intestine reconstruction, including intestine mobilization, preparation, and anastomosis(es)
43400	Ligation, direct, esophageal varices
43401	Transection of esophagus with repair, for esophageal varices
43405	Ligation or stapling at gastroesophageal junction for pre-existing esophageal perforation
43410	Suture of esophageal wound or injury; cervical approach
43415	Suture of esophageal wound or injury; transthoracic or transabdominal approach
43425	Closure of esophagostomy or fistula; transthoracic or transabdominal approach
43496	Free jejunum transfer with microvascular anastomosis

43500	Gastrotomy; with exploration or foreign body removal
43501	Gastrotomy; with suture repair of bleeding ulcer
43502	Gastrotomy; with suture repair of pre-existing esophagogastric laceration (eg, Mallory-Weiss)
43510	Gastrotomy; with esophageal dilation and insertion of permanent intraluminal tube (eg, Celestin or Mousseaux-Barbin)
43520	Pyloromyotomy, cutting of pyloric muscle (Fredet-Ramstedt type operation)
43605	Biopsy of stomach, by laparotomy
43610	Excision, local; ulcer or benign tumor of stomach
43611	Excision, local; malignant tumor of stomach
43620	Gastrectomy, total; with esophagoenterostomy
43621	Gastrectomy, total; with Roux-en-Y reconstruction
43622	Gastrectomy, total; with formation of intestinal pouch, any type
43631	Gastrectomy, partial, distal; with gastroduodenostomy
43632	Gastrectomy, partial, distal; with gastrojejunostomy
43633	Gastrectomy, partial, distal; with Roux-en-Y reconstruction
43634	Gastrectomy, partial, distal; with formation of intestinal pouch
43635	Vagotomy when performed with partial distal gastrectomy (List separately in addition to code[s] for primary procedure)
43640	Vagotomy including pyloroplasty, with or without gastrostomy; truncal or selective
43641	Vagotomy including pyloroplasty, with or without gastrostomy; parietal cell (highly selective)
43644	Laparoscopy, surgical, gastric restrictive procedure; with gastric bypass and Roux-en-Y gastroenterostomy (roux limb 150 cm or less)
43645	Laparoscopy, surgical, gastric restrictive procedure; with gastric bypass and small intestine reconstruction to limit absorption
43647	Laparoscopy, surgical; implantation or replacement of gastric neurostimulator electrodes, antrum
43648	Laparoscopy, surgical; revision or removal of gastric neurostimulator electrodes, antrum
43651	Laparoscopy, surgical; transection of vagus nerves, truncal
43652	Laparoscopy, surgical; transection of vagus nerves, selective or highly selective
43653	Laparoscopy, surgical; gastrostomy, without construction of gastric tube (eg, Stamm procedure) (separate procedure)
43659	Unlisted laparoscopy procedure, stomach
43770	Laparoscopy, surgical, gastric restrictive procedure; placement of adjustable gastric restrictive device (eg, gastric band and subcutaneous port components)
43771	Laparoscopy, surgical, gastric restrictive procedure; revision of adjustable gastric restrictive device component only
43772	Laparoscopy, surgical, gastric restrictive procedure; removal of adjustable gastric restrictive device component only
43773	Laparoscopy, surgical, gastric restrictive procedure; removal and replacement of adjustable gastric restrictive device component only
43774	Laparoscopy, surgical, gastric restrictive procedure; removal of adjustable gastric restrictive device and subcutaneous port components
43775	Laparoscopy, surgical, gastric restrictive procedure; longitudinal gastrectomy (ie, sleeve gastrectomy)
43800	Pyloroplasty

43810	Gastroduodenostomy
43820	Gastrojejunostomy; without vagotomy
43825	Gastrojejunostomy; with vagotomy, any type
43830	Gastrostomy, open; without construction of gastric tube (eg, Stamm procedure) (separate procedure)
43831	Gastrostomy, open; neonatal, for feeding
43832	Gastrostomy, open; with construction of gastric tube (eg, Janeway procedure)
43840	Gastrorrhaphy, suture of perforated duodenal or gastric ulcer, wound, or injury
43842	Gastric restrictive procedure, without gastric bypass, for morbid obesity; vertical-banded gastroplasty
43843	Gastric restrictive procedure, without gastric bypass, for morbid obesity; other than vertical-banded gastroplasty
43845	Gastric restrictive procedure with partial gastrectomy, pylorus-preserving duodenoileostomy and ileoileostomy (50 to 100 cm common channel) to limit absorption (biliopancreatic diversion with duodenal switch)
43846	Gastric restrictive procedure, with gastric bypass for morbid obesity; with short limb (150 cm or less) Roux-en-Y gastroenterostomy
43847	Gastric restrictive procedure, with gastric bypass for morbid obesity; with small intestine reconstruction to limit absorption
43848	Revision, open, of gastric restrictive procedure for morbid obesity, other than adjustable gastric restrictive device (separate procedure)
43850	Revision of gastroduodenal anastomosis (gastroduodenostomy) with reconstruction; without vagotomy
43855	Revision of gastroduodenal anastomosis (gastroduodenostomy) with reconstruction; with vagotomy
43860	Revision of gastrojejunal anastomosis (gastrojejunostomy) with reconstruction, with or without partial gastrectomy or intestine resection; without vagotomy
43865	Revision of gastrojejunal anastomosis (gastrojejunostomy) with reconstruction, with or without partial gastrectomy or intestine resection; with vagotomy
43870	Closure of gastrostomy, surgical
43880	Closure of gastrocolic fistula
43881	Implantation or replacement of gastric neurostimulator electrodes, antrum, open
43882	Revision or removal of gastric neurostimulator electrodes, antrum, open
43999	Unlisted procedure, stomach
44005	Enterolysis (freeing of intestinal adhesion) (separate procedure)
44010	Duodenotomy, for exploration, biopsy(s), or foreign body removal
44015	Tube or needle catheter jejunostomy for enteral alimentation, intraoperative, any method (List separately in addition to primary procedure)
44020	Enterotomy, small intestine, other than duodenum; for exploration, biopsy(s), or foreign body removal
44021	Enterotomy, small intestine, other than duodenum; for decompression (eg, Baker tube)
44025	Colotomy, for exploration, biopsy(s), or foreign body removal
44050	Reduction of volvulus, intussusception, internal hernia, by laparotomy
44055	Correction of malrotation by lysis of duodenal bands and/or reduction of midgut volvulus (eg, Ladd procedure)

44110	Excision of 1 or more lesions of small or large intestine not requiring anastomosis, exteriorization, or fistulization; single enterotomy
44111	Excision of 1 or more lesions of small or large intestine not requiring anastomosis, exteriorization, or fistulization; multiple enterotomies
44120	Enterectomy, resection of small intestine; single resection and anastomosis
44121	Enterectomy, resection of small intestine; each additional resection and anastomosis (List separately in addition to code for primary procedure)
44125	Enterectomy, resection of small intestine; with enterostomy
44126	Enterectomy, resection of small intestine for congenital atresia, single resection and anastomosis of proximal segment of intestine; without tapering
44127	Enterectomy, resection of small intestine for congenital atresia, single resection and anastomosis of proximal segment of intestine; with tapering
44128	Enterectomy, resection of small intestine for congenital atresia, single resection and anastomosis of proximal segment of intestine; each additional resection and anastomosis (List separately in addition to code for primary procedure)
44130	Enteroenterostomy, anastomosis of intestine, with or without cutaneous enterostomy (separate procedure)
44132	Donor enterectomy (including cold preservation), open; from cadaver donor
44133	Donor enterectomy (including cold preservation), open; partial, from living donor
44135	Intestinal allotransplantation; from cadaver donor
44136	Intestinal allotransplantation; from living donor
44137	Removal of transplanted intestinal allograft, complete
44139	Mobilization (take-down) of splenic flexure performed in conjunction with partial colectomy (List separately in addition to primary procedure)
44140	Colectomy, partial; with anastomosis
44141	Colectomy, partial; with skin level cecostomy or colostomy
44143	Colectomy, partial; with end colostomy and closure of distal segment (Hartmann type procedure)
44144	Colectomy, partial; with resection, with colostomy or ileostomy and creation of mucofistula
44145	Colectomy, partial; with coloproctostomy (low pelvic anastomosis)
44146	Colectomy, partial; with coloproctostomy (low pelvic anastomosis), with colostomy
44147	Colectomy, partial; abdominal and transanal approach
44150	Colectomy, total, abdominal, without proctectomy; with ileostomy or ileoproctostomy
44151	Colectomy, total, abdominal, without proctectomy; with continent ileostomy
44155	Colectomy, total, abdominal, with proctectomy; with ileostomy
44156	Colectomy, total, abdominal, with proctectomy; with continent ileostomy
44157	Colectomy, total, abdominal, with proctectomy; with ileoanal anastomosis, includes loop ileostomy, and rectal mucosectomy, when performed
44158	Colectomy, total, abdominal, with proctectomy; with ileoanal anastomosis, creation of ileal reservoir (S or J), includes loop ileostomy, and rectal mucosectomy, when performed
44160	Colectomy, partial, with removal of terminal ileum with ileocolostomy

44180	Laparoscopy, surgical, enterolysis (freeing of intestinal adhesion) (separate procedure)
44186	Laparoscopy, surgical; jejunostomy (eg, for decompression or feeding)
44187	Laparoscopy, surgical; ileostomy or jejunostomy, non-tube
44188	Laparoscopy, surgical, colostomy or skin level cecostomy
44202	Laparoscopy, surgical; enterectomy, resection of small intestine, single resection and anastomosis
44203	Laparoscopy, surgical; each additional small intestine resection and anastomosis (List separately in addition to code for primary procedure)
44204	Laparoscopy, surgical; colectomy, partial, with anastomosis
44205	Laparoscopy, surgical; colectomy, partial, with removal of terminal ileum with ileocolostomy
44206	Laparoscopy, surgical; colectomy, partial, with end colostomy and closure of distal segment (Hartmann type procedure)
44207	Laparoscopy, surgical; colectomy, partial, with anastomosis, with coloproctostomy (low pelvic anastomosis)
44208	Laparoscopy, surgical; colectomy, partial, with anastomosis, with coloproctostomy (low pelvic anastomosis) with colostomy
44210	Laparoscopy, surgical; colectomy, total, abdominal, without proctectomy, with ileostomy or ileoproctostomy
44211	Laparoscopy, surgical; colectomy, total, abdominal, with proctectomy, with ileoanal anastomosis, creation of ileal reservoir (S or J), with loop ileostomy, includes rectal mucosectomy, when performed
44212	Laparoscopy, surgical; colectomy, total, abdominal, with proctectomy, with ileostomy
44213	Laparoscopy, surgical, mobilization (take-down) of splenic flexure performed in conjunction with partial colectomy (List separately in addition to primary procedure)
44227	Laparoscopy, surgical, closure of enterostomy, large or small intestine, with resection and anastomosis
44238	Unlisted laparoscopy procedure, intestine (except rectum)
44300	Placement, enterostomy or cecostomy, tube open (eg, for feeding or decompression) (separate procedure)
44310	Ileostomy or jejunostomy, non-tube
44314	Revision of ileostomy; complicated (reconstruction in-depth) (separate procedure)
44316	Continent ileostomy (Kock procedure) (separate procedure)
44320	Colostomy or skin level cecostomy;
44322	Colostomy or skin level cecostomy; with multiple biopsies (eg, for congenital megacolon) (separate procedure)
44345	Revision of colostomy; complicated (reconstruction in-depth) (separate procedure)
44346	Revision of colostomy; with repair of paracolostomy hernia (separate procedure)
44602	Suture of small intestine (enterorrhaphy) for perforated ulcer, diverticulum, wound, injury or rupture; single perforation
44603	Suture of small intestine (enterorrhaphy) for perforated ulcer, diverticulum, wound, injury or rupture; multiple perforations
44604	Suture of large intestine (colorrhaphy) for perforated ulcer, diverticulum, wound, injury or rupture (single or multiple perforations); without colostomy

44605	Suture of large intestine (colorrhaphy) for perforated ulcer, diverticulum, wound, injury or rupture (single or multiple perforations): with colostomy
44615	Intestinal stricturoplasty (enterotomy and enterorrhaphy) with or without dilation, for intestinal obstruction
44620	Closure of enterostomy, large or small intestine;
44625	Closure of enterostomy, large or small intestine; with resection and anastomosis other than colorectal
44626	Closure of enterostomy, large or small intestine; with resection and colorectal anastomosis (eg, closure of Hartmann type procedure)
44640	Closure of intestinal cutaneous fistula
44650	Closure of enteroenteric or enterocolic fistula
44660	Closure of enterovesical fistula; without intestinal or bladder resection
44661	Closure of enterovesical fistula; with intestine and/or bladder resection
44680	Intestinal plication (separate procedure)
44700	Exclusion of small intestine from pelvis by mesh or other prosthesis, or native tissue (eg, bladder or omentum)
44799	Unlisted procedure, small intestine
44800	Excision of Meckel's diverticulum (diverticulectomy) or omphalomesenteric duct
44820	Excision of lesion of mesentery (separate procedure)
44850	Suture of mesentery (separate procedure)
44899	Unlisted procedure, Meckel's diverticulum and the mesentery
44900	Incision and drainage of appendiceal abscess, open
44960	Appendectomy; for ruptured appendix with abscess or generalized peritonitis
44970	Laparoscopy, surgical, appendectomy
44979	Unlisted laparoscopy procedure, appendix
45108	Anorectal myomectomy
45110	Proctectomy; complete, combined abdominoperineal, with colostomy
45111	Proctectomy; partial resection of rectum, transabdominal approach
45112	Proctectomy, combined abdominoperineal, pull-through procedure (eg, colo-anal anastomosis)
45113	Proctectomy, partial, with rectal mucosectomy, ileoanal anastomosis, creation of ileal reservoir (S or J), with or without loop ileostomy
45114	Proctectomy, partial, with anastomosis; abdominal and transsacral approach
45116	Proctectomy, partial, with anastomosis; transsacral approach only (Kraske type)
45119	Proctectomy, combined abdominoperineal pull-through procedure (eg, colo-anal anastomosis), with creation of colonic reservoir (eg, J-pouch), with diverting enterostomy when performed
45120	Proctectomy, complete (for congenital megacolon), abdominal and perineal approach; with pull-through procedure and anastomosis (eg, Swenson, Duhamel, or Soave type operation)
45121	Proctectomy, complete (for congenital megacolon), abdominal and perineal approach; with subtotal or total colectomy, with multiple biopsies
45123	Proctectomy, partial, without anastomosis, perineal approach

45126	Pelvic exenteration for colorectal malignancy, with proctectomy (with or without colostomy), with removal of bladder and ureteral transplantations, and/or hysterectomy, or cervicectomy, with or without removal of tube(s), with or without removal of ovary(s), or any combination thereof
45130	Excision of rectal procidentia, with anastomosis; perineal approach
45135	Excision of rectal procidentia, with anastomosis; abdominal and perineal approach
45136	Excision of ileoanal reservoir with ileostomy
45160	Excision of rectal tumor by proctotomy, transsacral or transcoccygeal approach
45172	Excision of rectal tumor, transanal approach; including muscularis propria (ie, full thickness)
45395	Laparoscopy, surgical; proctectomy, complete, combined abdominoperineal, with colostomy
45397	Laparoscopy, surgical; proctectomy, combined abdominoperineal pull-through procedure (eg, colo-anal anastomosis), with creation of colonic reservoir (eg, J-pouch), with diverting enterostomy, when performed
45400	Laparoscopy, surgical; proctopexy (for prolapse)
45402	Laparoscopy, surgical; proctopexy (for prolapse), with sigmoid resection
45540	Proctopexy (eg, for prolapse); abdominal approach
45541	Proctopexy (eg, for prolapse); perineal approach
45550	Proctopexy (eg, for prolapse); with sigmoid resection, abdominal approach
45560	Repair of rectocele (separate procedure)
45562	Exploration, repair, and presacral drainage for rectal injury;
45563	Exploration, repair, and presacral drainage for rectal injury; with colostomy
45800	Closure of rectovesical fistula;
45805	Closure of rectovesical fistula; with colostomy
45820	Closure of rectourethral fistula;
45825	Closure of rectourethral fistula; with colostomy
46710	Repair of ileoanal pouch fistula/sinus (eg, perineal or vaginal), pouch advancement; transperineal approach
46712	Repair of ileoanal pouch fistula/sinus (eg, perineal or vaginal), pouch advancement; combined transperineal and transabdominal approach
46716	Repair of low imperforate anus; with transposition of anoperineal or anovestibular fistula
46730	Repair of high imperforate anus without fistula; perineal or sacroperineal approach
46735	Repair of high imperforate anus without fistula; combined transabdominal and sacroperineal approaches
46740	Repair of high imperforate anus with rectourethral or rectovaginal fistula; perineal or sacroperineal approach
46742	Repair of high imperforate anus with rectourethral or rectovaginal fistula; combined transabdominal and sacroperineal approaches
46744	Repair of cloacal anomaly by anorectovaginoplasty and urethroplasty, sacroperineal approach
46746	Repair of cloacal anomaly by anorectovaginoplasty and urethroplasty, combined abdominal and sacroperineal approach;

46748	Repair of cloacal anomaly by anorectovaginoplasty and urethroplasty, combined abdominal and sacroperineal approach; with vaginal lengthening by intestinal graft or pedicle flaps
46762	Sphincteroplasty, anal, for incontinence, adult; implantation artificial sphincter
47010	Hepatotomy, for open drainage of abscess or cyst, 1 or 2 stages
47015	Laparotomy, with aspiration and/or injection of hepatic parasitic (eg, amoebic or echinococcal) cyst(s) or abscess(es)
47100	Biopsy of liver, wedge
47120	Hepatectomy, resection of liver; partial lobectomy
47122	Hepatectomy, resection of liver; trisegmentectomy
47125	Hepatectomy, resection of liver; total left lobectomy
47130	Hepatectomy, resection of liver; total right lobectomy
47133	Donor hepatectomy (including cold preservation), from cadaver donor
47135	Liver allotransplantation, orthotopic, partial or whole, from cadaver or living donor, any age
47140	Donor hepatectomy (including cold preservation), from living donor; left lateral segment only (segments II and III)
47141	Donor hepatectomy (including cold preservation), from living donor; total left lobectomy (segments II, III and IV)
47142	Donor hepatectomy (including cold preservation), from living donor; total right lobectomy (segments V, VI, VII and VIII)
47300	Marsupialization of cyst or abscess of liver
47350	Management of liver hemorrhage; simple suture of liver wound or injury
47360	Management of liver hemorrhage; complex suture of liver wound or injury, with or without hepatic artery ligation
47361	Management of liver hemorrhage; exploration of hepatic wound, extensive debridement, coagulation and/or suture, with or without packing of liver
47362	Management of liver hemorrhage; re-exploration of hepatic wound for removal of packing
47370	Laparoscopy, surgical, ablation of 1 or more liver tumor(s); radiofrequency
47371	Laparoscopy, surgical, ablation of 1 or more liver tumor(s); cryosurgical
47379	Unlisted laparoscopic procedure, liver
47380	Ablation, open, of 1 or more liver tumor(s); radiofrequency
47381	Ablation, open, of 1 or more liver tumor(s); cryosurgical
47399	Unlisted procedure, liver
47400	Hepaticotomy or hepaticostomy with exploration, drainage, or removal of calculus
47420	Choledochotomy or choledochostomy with exploration, drainage, or removal of calculus, with or without cholecystotomy; without transduodenal sphincterotomy or sphincteroplasty
47425	Choledochotomy or choledochostomy with exploration, drainage, or removal of calculus, with or without cholecystotomy; with transduodenal sphincterotomy or sphincteroplasty
47460	Transduodenal sphincterotomy or sphincteroplasty, with or without transduodenal extraction of calculus (separate procedure)
47480	Cholecystotomy or cholecystostomy, open, with exploration, drainage, or removal of calculus (separate procedure)
47550	Biliary endoscopy, intraoperative (choledochoscopy) (List separately in addition to code for primary procedure)
47562	Laparoscopy, surgical; cholecystectomy

47563	Laparoscopy, surgical; cholecystectomy with cholangiography
47564	Laparoscopy, surgical; cholecystectomy with exploration of common duct
47570	Laparoscopy, surgical; cholecystoenterostomy
47579	Unlisted laparoscopy procedure, biliary tract
47600	Cholecystectomy;
47605	Cholecystectomy; with cholangiography
47610	Cholecystectomy with exploration of common duct;
47612	Cholecystectomy with exploration of common duct; with choledochenterostomy
47620	Cholecystectomy with exploration of common duct; with transduodenal sphincterotomy or sphincteroplasty, with or without cholangiography
47700	Exploration for congenital atresia of bile ducts, without repair, with or without liver biopsy, with or without cholangiography
47701	Portoenterostomy (eg, Kasai procedure)
47711	Excision of bile duct tumor, with or without primary repair of bile duct; extrahepatic
47712	Excision of bile duct tumor, with or without primary repair of bile duct; intrahepatic
47715	Excision of choledochal cyst
47720	Cholecystoenterostomy; direct
47721	Cholecystoenterostomy; with gastroenterostomy
47740	Cholecystoenterostomy; Roux-en-Y
47741	Cholecystoenterostomy; Roux-en-Y with gastroenterostomy
47760	Anastomosis, of extrahepatic biliary ducts and gastrointestinal tract
47765	Anastomosis, of intrahepatic ducts and gastrointestinal tract
47780	Anastomosis, Roux-en-Y, of extrahepatic biliary ducts and gastrointestinal tract
47785	Anastomosis, Roux-en-Y, of intrahepatic biliary ducts and gastrointestinal tract
47800	Reconstruction, plastic, of extrahepatic biliary ducts with end-to-end anastomosis
47801	Placement of choledochal stent
47802	U-tube hepaticoenterostomy
47900	Suture of extrahepatic biliary duct for pre-existing injury (separate procedure)
47999	Unlisted procedure, biliary tract
48000	Placement of drains, peripancreatic, for acute pancreatitis;
48001	Placement of drains, peripancreatic, for acute pancreatitis; with cholecystostomy, gastrostomy, and jejunostomy
48020	Removal of pancreatic calculus
48100	Biopsy of pancreas, open (eg, fine needle aspiration, needle core biopsy, wedge biopsy)
48105	Resection or debridement of pancreas and peripancreatic tissue for acute necrotizing pancreatitis
48120	Excision of lesion of pancreas (eg, cyst, adenoma)
48140	Pancreatectomy, distal subtotal, with or without splenectomy; without pancreaticojejunosomy
48145	Pancreatectomy, distal subtotal, with or without splenectomy; with pancreaticojejunostomy
48146	Pancreatectomy, distal, near-total with preservation of duodenum (Child-type procedure)
48148	Excision of ampulla of Vater

48150	Pancreatectomy, proximal subtotal with total duodenectomy, partial gastrectomy, choledochoenterostomy and gastrojejunostomy (Whipple-type procedure); with pancreaticojejunostomy
48152	Pancreatectomy, proximal subtotal with total duodenectomy, partial gastrectomy, choledochoenterostomy and gastrojejunostomy (Whipple-type procedure); without pancreaticojejunostomy
48153	Pancreatectomy, proximal subtotal with near-total duodenectomy, choledochoenterostomy and duodenojejunostomy (pylorus-sparing, Whipple-type procedure); with pancreaticojejunostomy
48154	Pancreatectomy, proximal subtotal with near-total duodenectomy, choledochoenterostomy and duodenojejunostomy (pylorus-sparing, Whipple-type procedure); without pancreaticojejunostomy
48155	Pancreatectomy, total
48160	Pancreatectomy, total or subtotal, with autologous transplantation of pancreas or pancreatic islet cells
48500	Marsupialization of pancreatic cyst
48510	External drainage, pseudocyst of pancreas, open
48520	Internal anastomosis of pancreatic cyst to gastrointestinal tract; direct
48540	Internal anastomosis of pancreatic cyst to gastrointestinal tract; Roux-en-Y
48545	Pancreatography for injury
48547	Duodenal exclusion with gastrojejunostomy for pancreatic injury
48548	Pancreaticojejunostomy, side-to-side anastomosis (Puestow-type operation)
48550	Donor pancreatectomy (including cold preservation), with or without duodenal segment for transplantation
48554	Transplantation of pancreatic allograft
48556	Removal of transplanted pancreatic allograft
48999	Unlisted procedure, pancreas
49000	Exploratory laparotomy, exploratory celiotomy with or without biopsy(s) (separate procedure)
49002	Reopening of recent laparotomy
49010	Exploration, retroperitoneal area with or without biopsy(s) (separate procedure)
49020	Drainage of peritoneal abscess or localized peritonitis, exclusive of appendiceal abscess, open
49040	Drainage of subdiaphragmatic or subphrenic abscess, open
49060	Drainage of retroperitoneal abscess, open
49062	Drainage of extraperitoneal lymphocele to peritoneal cavity, open
49203	Excision or destruction, open, intra-abdominal tumors, cysts or endometriomas, 1 or more peritoneal, mesenteric, or retroperitoneal primary or secondary tumors; largest tumor 5 cm diameter or less
49204	Excision or destruction, open, intra-abdominal tumors, cysts or endometriomas, 1 or more peritoneal, mesenteric, or retroperitoneal primary or secondary tumors; largest tumor 5.1-10.0 cm diameter
49205	Excision or destruction, open, intra-abdominal tumors, cysts or endometriomas, 1 or more peritoneal, mesenteric, or retroperitoneal primary or secondary tumors; largest tumor greater than 10.0 cm diameter
49215	Excision of presacral or sacrococcygeal tumor

49220	Staging laparotomy for Hodgkins disease or lymphoma (includes splenectomy, needle or open biopsies of both liver lobes, possibly also removal of abdominal nodes, abdominal node and/or bone marrow biopsies, ovarian repositioning)
49255	Omentectomy, epiploectomy, resection of omentum (separate procedure)
49323	Laparoscopy, surgical; with drainage of lymphocele to peritoneal cavity
49324	Laparoscopy, surgical; with insertion of tunneled intraperitoneal catheter
49325	Laparoscopy, surgical; with revision of previously placed intraperitoneal cannula or catheter, with removal of intraluminal obstructive material if performed
49326	Laparoscopy, surgical; with omentopexy (omental tacking procedure) (List separately in addition to code for primary procedure)
49327	Laparoscopy, surgical; with placement of interstitial device(s) for radiation therapy guidance (eg, fiducial markers, dosimeter), intra-abdominal, intrapelvic, and/or retroperitoneum, including imaging guidance, if performed, single or multiple (List separately in addition to code for primary procedure)
49329	Unlisted laparoscopy procedure, abdomen, peritoneum and omentum
49402	Removal of peritoneal foreign body from peritoneal cavity
49412	Placement of interstitial device(s) for radiation therapy guidance (eg, fiducial markers, dosimeter), open, intra-abdominal, intrapelvic, and/or retroperitoneum, including image guidance, if performed, single or multiple (List separately in addition to code for primary procedure)
49425	Insertion of peritoneal-venous shunt
49435	Insertion of subcutaneous extension to intraperitoneal cannula or catheter with remote chest exit site (List separately in addition to code for primary procedure)
49492	Repair, initial inguinal hernia, preterm infant (younger than 37 weeks gestation at birth), performed from birth up to 50 weeks postconception age, with or without hydrocelectomy; incarcerated or strangulated
49555	Repair recurrent femoral hernia; reducible
49565	Repair recurrent incisional or ventral hernia; reducible
49566	Repair recurrent incisional or ventral hernia; incarcerated or strangulated
49605	Repair of large omphalocele or gastroschisis; with or without prosthesis
49606	Repair of large omphalocele or gastroschisis; with removal of prosthesis, final reduction and closure, in operating room
49610	Repair of omphalocele (Gross type operation); first stage
49611	Repair of omphalocele (Gross type operation); second stage
49650	Laparoscopy, surgical; repair initial inguinal hernia
49651	Laparoscopy, surgical; repair recurrent inguinal hernia
49652	Laparoscopy, surgical, repair, ventral, umbilical, spigelian or epigastric hernia (includes mesh insertion, when performed); reducible
49653	Laparoscopy, surgical, repair, ventral, umbilical, spigelian or epigastric hernia (includes mesh insertion, when performed); incarcerated or strangulated
49654	Laparoscopy, surgical, repair, incisional hernia (includes mesh insertion, when performed); reducible
49655	Laparoscopy, surgical, repair, incisional hernia (includes mesh insertion, when performed); incarcerated or strangulated
49656	Laparoscopy, surgical, repair, recurrent incisional hernia (includes mesh insertion, when performed); reducible

49657	Laparoscopy, surgical, repair, recurrent incisional hernia (includes mesh insertion, when performed); incarcerated or strangulated
49659	Unlisted laparoscopy procedure, hernioplasty, herniorrhaphy, herniotomy
49904	Omental flap, extra-abdominal (eg, for reconstruction of sternal and chest wall defects)
49905	Omental flap, intra-abdominal (List separately in addition to code for primary procedure)
49906	Free omental flap with microvascular anastomosis
50010	Renal exploration, not necessitating other specific procedures
50020	Drainage of perirenal or renal abscess, open
50045	Nephrotomy, with exploration
50060	Nephrolithotomy; removal of calculus
50065	Nephrolithotomy; secondary surgical operation for calculus
50070	Nephrolithotomy; complicated by congenital kidney abnormality
50075	Nephrolithotomy; removal of large staghorn calculus filling renal pelvis and calyces (including anatomic pyelolithotomy)
50100	Transection or repositioning of aberrant renal vessels (separate procedure)
50120	Pyelotomy; with exploration
50125	Pyelotomy; with drainage, pyelostomy
50130	Pyelotomy; with removal of calculus (pyelolithotomy, pelviolithotomy, including coagulum pyelolithotomy)
50135	Pyelotomy; complicated (eg, secondary operation, congenital kidney abnormality)
50205	Renal biopsy; by surgical exposure of kidney
50220	Nephrectomy, including partial ureterectomy, any open approach including rib resection;
50225	Nephrectomy, including partial ureterectomy, any open approach including rib resection; complicated because of previous surgery on same kidney
50230	Nephrectomy, including partial ureterectomy, any open approach including rib resection; radical, with regional lymphadenectomy and/or vena caval thrombectomy
50234	Nephrectomy with total ureterectomy and bladder cuff; through same incision
50236	Nephrectomy with total ureterectomy and bladder cuff; through separate incision
50240	Nephrectomy, partial
50250	Ablation, open, 1 or more renal mass lesion(s), cryosurgical, including intraoperative ultrasound guidance and monitoring, if performed
50280	Excision or unroofing of cyst(s) of kidney
50290	Excision of perinephric cyst
50300	Donor nephrectomy (including cold preservation); from cadaver donor, unilateral or bilateral
50320	Donor nephrectomy (including cold preservation); open, from living donor
50340	Recipient nephrectomy (separate procedure)
50360	Renal allotransplantation, implantation of graft; without recipient nephrectomy
50365	Renal allotransplantation, implantation of graft; with recipient nephrectomy
50370	Removal of transplanted renal allograft
50380	Renal autotransplantation, reimplantation of kidney

50400	Pyeloplasty (Foley Y-pyeloplasty), plastic operation on renal pelvis, with or without plastic operation on ureter, nephropexy, nephrostomy, pyelostomy, or ureteral splinting; simple
50405	Pyeloplasty (Foley Y-pyeloplasty), plastic operation on renal pelvis, with or without plastic operation on ureter, nephropexy, nephrostomy, pyelostomy, or ureteral splinting; complicated (congenital kidney abnormality, secondary pyeloplasty, solitary kidney, calycectomy)
50500	Nephrorrhaphy, suture of kidney wound or injury
50520	Closure of nephrocutaneous or pyelocutaneous fistula
50525	Closure of nephrovisceral fistula (eg, renocolic), including visceral repair; abdominal approach
50526	Closure of nephrovisceral fistula (eg, renocolic), including visceral repair; thoracic approach
50540	Symphysiotomy for horseshoe kidney with or without pyeloplasty and/or other plastic procedure, unilateral or bilateral (1 operation)
50541	Laparoscopy, surgical; ablation of renal cysts
50542	Laparoscopy, surgical; ablation of renal mass lesion(s), including intraoperative ultrasound guidance and monitoring, when performed
50543	Laparoscopy, surgical; partial nephrectomy
50544	Laparoscopy, surgical; pyeloplasty
50545	Laparoscopy, surgical; radical nephrectomy (includes removal of Gerota's fascia and surrounding fatty tissue, removal of regional lymph nodes, and adrenalectomy)
50546	Laparoscopy, surgical; nephrectomy, including partial ureterectomy
50547	Laparoscopy, surgical; donor nephrectomy (including cold preservation), from living donor
50548	Laparoscopy, surgical; nephrectomy with total ureterectomy
50549	Unlisted laparoscopy procedure, renal
50600	Ureterotomy with exploration or drainage (separate procedure)
50605	Ureterotomy for insertion of indwelling stent, all types
50610	Ureterolithotomy; upper one-third of ureter
50620	Ureterolithotomy; middle one-third of ureter
50630	Ureterolithotomy; lower one-third of ureter
50650	Ureterectomy, with bladder cuff (separate procedure)
50660	Ureterectomy, total, ectopic ureter, combination abdominal, vaginal and/or perineal approach
50700	Ureteroplasty, plastic operation on ureter (eg, stricture)
50715	Ureterolysis, with or without repositioning of ureter for retroperitoneal fibrosis
50722	Ureterolysis for ovarian vein syndrome
50725	Ureterolysis for retrocaval ureter, with reanastomosis of upper urinary tract or vena cava
50727	Revision of urinary-cutaneous anastomosis (any type urostomy);
50728	Revision of urinary-cutaneous anastomosis (any type urostomy); with repair of fascial defect and hernia
50740	Ureteropyelostomy, anastomosis of ureter and renal pelvis
50750	Ureterocalycostomy, anastomosis of ureter to renal calyx
50760	Ureteroureterostomy
50770	Transureteroureterostomy, anastomosis of ureter to contralateral ureter
50780	Ureteroneocystostomy; anastomosis of single ureter to bladder
50782	Ureteroneocystostomy; anastomosis of duplicated ureter to bladder
50783	Ureteroneocystostomy; with extensive ureteral tailoring

50785	Ureteroneocystostomy; with vesico-psoas hitch or bladder flap
50800	Ureteroenterostomy, direct anastomosis of ureter to intestine
50810	Ureterosigmoidostomy, with creation of sigmoid bladder and establishment of abdominal or perineal colostomy, including intestine anastomosis
50815	Ureterocolon conduit, including intestine anastomosis
50820	Ureteroileal conduit (ileal bladder), including intestine anastomosis (Bricker operation)
50825	Continent diversion, including intestine anastomosis using any segment of small and/or large intestine (Kock pouch or Camey enterocystoplasty)
50830	Urinary undiversion (eg, taking down of ureteroileal conduit, ureterosigmoidostomy or ureteroenterostomy with ureteroureterostomy or ureteroneocystostomy)
50840	Replacement of all or part of ureter by intestine segment, including intestine anastomosis
50845	Cutaneous appendico-vesicostomy
50860	Ureterostomy, transplantation of ureter to skin
50900	Ureterorrhaphy, suture of ureter (separate procedure)
50920	Closure of ureterocutaneous fistula
50930	Closure of ureterovisceral fistula (including visceral repair)
50940	Deligation of ureter
50945	Laparoscopy, surgical; ureterolithotomy
50947	Laparoscopy, surgical; ureteroneocystostomy with cystoscopy and ureteral stent placement
50948	Laparoscopy, surgical; ureteroneocystostomy without cystoscopy and ureteral stent placement
51060	Transvesical ureterolithotomy
51500	Excision of urachal cyst or sinus, with or without umbilical hernia repair
51520	Cystotomy; for simple excision of vesical neck (separate procedure)
51525	Cystotomy; for excision of bladder diverticulum, single or multiple (separate procedure)
51530	Cystotomy; for excision of bladder tumor
51535	Cystotomy for excision, incision, or repair of ureterocele
51550	Cystectomy, partial; simple
51555	Cystectomy, partial; complicated (eg, postradiation, previous surgery, difficult location)
51565	Cystectomy, partial, with reimplantation of ureter(s) into bladder (ureteroneocystostomy)
51570	Cystectomy, complete; (separate procedure)
51575	Cystectomy, complete; with bilateral pelvic lymphadenectomy, including external iliac, hypogastric, and obturator nodes
51580	Cystectomy, complete, with ureterosigmoidostomy or ureterocutaneous transplantations;
51585	Cystectomy, complete, with ureterosigmoidostomy or ureterocutaneous transplantations; with bilateral pelvic lymphadenectomy, including external iliac, hypogastric, and obturator nodes
51590	Cystectomy, complete, with ureteroileal conduit or sigmoid bladder, including intestine anastomosis;
51595	Cystectomy, complete, with ureteroileal conduit or sigmoid bladder, including intestine anastomosis; with bilateral pelvic lymphadenectomy, including external iliac, hypogastric, and obturator nodes

51596	Cystectomy, complete, with continent diversion, any open technique, using any segment of small and/or large intestine to construct neobladder
51597	Pelvic exenteration, complete, for vesical, prostatic or urethral malignancy, with removal of bladder and ureteral transplantations, with or without hysterectomy and/or abdominoperineal resection of rectum and colon and colostomy, or any combination thereof
51800	Cystoplasty or cystourethroplasty, plastic operation on bladder and/or vesical neck (anterior Y-plasty, vesical fundus resection), any procedure, with or without wedge resection of posterior vesical neck
51820	Cystourethroplasty with unilateral or bilateral ureteroneocystostomy
51840	Anterior vesicourethropexy, or urethropexy (eg, Marshall-Marchetti-Krantz, Burch); simple
51841	Anterior vesicourethropexy, or urethropexy (eg, Marshall-Marchetti-Krantz, Burch); complicated (eg, secondary repair)
51845	Abdomino-vaginal vesical neck suspension, with or without endoscopic control (eg, Stamey, Raz, modified Pereyra)
51860	Cystorrhaphy, suture of bladder wound, injury or rupture; simple
51865	Cystorrhaphy, suture of bladder wound, injury or rupture; complicated
51900	Closure of vesicovaginal fistula, abdominal approach
51920	Closure of vesicouterine fistula;
51925	Closure of vesicouterine fistula; with hysterectomy
51940	Closure, exstrophy of bladder
51960	Enterocystoplasty, including intestinal anastomosis
51980	Cutaneous vesicostomy
51990	Laparoscopy, surgical; urethral suspension for stress incontinence
51992	Laparoscopy, surgical; sling operation for stress incontinence (eg, fascia or synthetic)
53085	Drainage of perineal urinary extravasation; complicated
53210	Urethrectomy, total, including cystostomy; female
53215	Urethrectomy, total, including cystostomy; male
53400	Urethroplasty; first stage, for fistula, diverticulum, or stricture (eg, Johannsen type)
53405	Urethroplasty; second stage (formation of urethra), including urinary diversion
53410	Urethroplasty, 1-stage reconstruction of male anterior urethra
53415	Urethroplasty, transpubic or perineal, 1-stage, for reconstruction or repair of prostatic or membranous urethra
53420	Urethroplasty, 2-stage reconstruction or repair of prostatic or membranous urethra; first stage
53425	Urethroplasty, 2-stage reconstruction or repair of prostatic or membranous urethra; second stage
53430	Urethroplasty, reconstruction of female urethra
53431	Urethroplasty with tubularization of posterior urethra and/or lower bladder for incontinence (eg, Tenago, Leadbetter procedure)
53440	Sling operation for correction of male urinary incontinence (eg, fascia or synthetic)
53442	Removal or revision of sling for male urinary incontinence (eg, fascia or synthetic)
53444	Insertion of tandem cuff (dual cuff)
53445	Insertion of inflatable urethral/bladder neck sphincter, including placement of pump, reservoir, and cuff

53446	Removal of inflatable urethral/bladder neck sphincter, including pump, reservoir, and cuff
53447	Removal and replacement of inflatable urethral/bladder neck sphincter including pump, reservoir, and cuff at the same operative session
53448	Removal and replacement of inflatable urethral/bladder neck sphincter including pump, reservoir, and cuff through an infected field at the same operative session including irrigation and debridement of infected tissue
53449	Repair of inflatable urethral/bladder neck sphincter, including pump, reservoir, and cuff
53500	Urethrolisis, transvaginal, secondary, open, including cystourethroscopy (eg, postsurgical obstruction, scarring)
53510	Urethrorrhaphy, suture of urethral wound or injury; perineal
53515	Urethrorrhaphy, suture of urethral wound or injury; prostaticmembranous
54111	Excision of penile plaque (Peyronie disease); with graft to 5 cm in length
54112	Excision of penile plaque (Peyronie disease); with graft greater than 5 cm in length
54125	Amputation of penis; complete
54130	Amputation of penis, radical; with bilateral inguofemoral lymphadenectomy
54135	Amputation of penis, radical; in continuity with bilateral pelvic lymphadenectomy, including external iliac, hypogastric and obturator nodes
54300	Plastic operation of penis for straightening of chordee (eg, hypospadias), with or without mobilization of urethra
54304	Plastic operation on penis for correction of chordee or for first stage hypospadias repair with or without transplantation of prepuce and/or skin flaps
54308	Urethroplasty for second stage hypospadias repair (including urinary diversion); less than 3 cm
54312	Urethroplasty for second stage hypospadias repair (including urinary diversion); greater than 3 cm
54316	Urethroplasty for second stage hypospadias repair (including urinary diversion) with free skin graft obtained from site other than genitalia
54324	1-stage distal hypospadias repair (with or without chordee or circumcision); with urethroplasty by local skin flaps (eg, flip-flap, prepuce flap)
54326	1-stage distal hypospadias repair (with or without chordee or circumcision); with urethroplasty by local skin flaps and mobilization of urethra
54328	1-stage distal hypospadias repair (with or without chordee or circumcision); with extensive dissection to correct chordee and urethroplasty with local skin flaps, skin graft patch, and/or island flap
54332	1-stage proximal penile or penoscrotal hypospadias repair requiring extensive dissection to correct chordee and urethroplasty by use of skin graft tube and/or island flap
54336	1-stage perineal hypospadias repair requiring extensive dissection to correct chordee and urethroplasty by use of skin graft tube and/or island flap
54348	Repair of hypospadias complications (ie, fistula, stricture, diverticula); requiring extensive dissection and urethroplasty with flap, patch or tubed graft (includes urinary diversion)

54352	Repair of hypospadias cripple requiring extensive dissection and excision of previously constructed structures including re-release of chordee and reconstruction of urethra and penis by use of local skin as grafts and island flaps and skin brought in as flaps or grafts
54360	Plastic operation on penis to correct angulation
54380	Plastic operation on penis for epispadias distal to external sphincter;
54385	Plastic operation on penis for epispadias distal to external sphincter; with incontinence
54390	Plastic operation on penis for epispadias distal to external sphincter; with exstrophy of bladder
54405	Insertion of multi-component, inflatable penile prosthesis, including placement of pump, cylinders, and reservoir
54408	Repair of component(s) of a multi-component, inflatable penile prosthesis
54410	Removal and replacement of all component(s) of a multi-component, inflatable penile prosthesis at the same operative session
54411	Removal and replacement of all components of a multi-component inflatable penile prosthesis through an infected field at the same operative session, including irrigation and debridement of infected tissue
54416	Removal and replacement of non-inflatable (semi-rigid) or inflatable (self-contained) penile prosthesis at the same operative session
54417	Removal and replacement of non-inflatable (semi-rigid) or inflatable (self-contained) penile prosthesis through an infected field at the same operative session, including irrigation and debridement of infected tissue
54420	Corpora cavernosa-saphenous vein shunt (priapism operation), unilateral or bilateral
54438	Replantation, penis, complete amputation including urethral repair
54535	Orchiectomy, radical, for tumor; with abdominal exploration
54560	Exploration for undescended testis with abdominal exploration
54650	Orchiopexy, abdominal approach, for intra-abdominal testis (eg, Fowler-Stephens)
54690	Laparoscopy, surgical; orchiectomy
54692	Laparoscopy, surgical; orchiopexy for intra-abdominal testis
54699	Unlisted laparoscopy procedure, testis
55535	Excision of varicocele or ligation of spermatic veins for varicocele; abdominal approach
55550	Laparoscopy, surgical, with ligation of spermatic veins for varicocele
55559	Unlisted laparoscopy procedure, spermatic cord
55600	Vesiculotomy;
55605	Vesiculotomy; complicated
55650	Vesiculectomy, any approach
55680	Excision of Mullerian duct cyst
55725	Prostatotomy, external drainage of prostatic abscess, any approach; complicated
55801	Prostatectomy, perineal, subtotal (including control of postoperative bleeding, vasectomy, meatotomy, urethral calibration and/or dilation, and internal urethrotomy)
55810	Prostatectomy, perineal radical;
55812	Prostatectomy, perineal radical; with lymph node biopsy(s) (limited pelvic lymphadenectomy)
55815	Prostatectomy, perineal radical; with bilateral pelvic lymphadenectomy, including external iliac, hypogastric and obturator nodes

55821	Prostatectomy (including control of postoperative bleeding, vasectomy, meatotomy, urethral calibration and/or dilation, and internal urethrotomy); suprapubic, subtotal, 1 or 2 stages
55831	Prostatectomy (including control of postoperative bleeding, vasectomy, meatotomy, urethral calibration and/or dilation, and internal urethrotomy); retropubic, subtotal
55840	Prostatectomy, retropubic radical, with or without nerve sparing;
55842	Prostatectomy, retropubic radical, with or without nerve sparing; with lymph node biopsy(s) (limited pelvic lymphadenectomy)
55845	Prostatectomy, retropubic radical, with or without nerve sparing; with bilateral pelvic lymphadenectomy, including external iliac, hypogastric, and obturator nodes
55860	Exposure of prostate, any approach, for insertion of radioactive substance;
55862	Exposure of prostate, any approach, for insertion of radioactive substance; with lymph node biopsy(s) (limited pelvic lymphadenectomy)
55865	Exposure of prostate, any approach, for insertion of radioactive substance; with bilateral pelvic lymphadenectomy, including external iliac, hypogastric and obturator nodes
55866	Laparoscopy, surgical prostatectomy, retropubic radical, including nerve sparing, includes robotic assistance, when performed
55970	Intersex surgery; male to female
55980	Intersex surgery; female to male
56625	Vulvectomy simple; complete
56630	Vulvectomy, radical, partial;
56631	Vulvectomy, radical, partial; with unilateral inguinofemoral lymphadenectomy
56632	Vulvectomy, radical, partial; with bilateral inguinofemoral lymphadenectomy
56633	Vulvectomy, radical, complete;
56634	Vulvectomy, radical, complete; with unilateral inguinofemoral lymphadenectomy
56637	Vulvectomy, radical, complete; with bilateral inguinofemoral lymphadenectomy
56640	Vulvectomy, radical, complete, with inguinofemoral, iliac, and pelvic lymphadenectomy
57106	Vaginectomy, partial removal of vaginal wall;
57107	Vaginectomy, partial removal of vaginal wall; with removal of paravaginal tissue (radical vaginectomy)
57109	Vaginectomy, partial removal of vaginal wall; with removal of paravaginal tissue (radical vaginectomy) with bilateral total pelvic lymphadenectomy and para-aortic lymph node sampling (biopsy)
57110	Vaginectomy, complete removal of vaginal wall;
57111	Vaginectomy, complete removal of vaginal wall; with removal of paravaginal tissue (radical vaginectomy)
57112	Vaginectomy, complete removal of vaginal wall; with removal of paravaginal tissue (radical vaginectomy) with bilateral total pelvic lymphadenectomy and para-aortic lymph node sampling (biopsy)
57120	Colpocleisis (Le Fort type)
57240	Anterior colporrhaphy, repair of cystocele with or without repair of urethrocele

57250	Posterior colporrhaphy, repair of rectocele with or without perineorrhaphy
57260	Combined anteroposterior colporrhaphy;
57265	Combined anteroposterior colporrhaphy; with enterocele repair
57267	Insertion of mesh or other prosthesis for repair of pelvic floor defect, each site (anterior, posterior compartment), vaginal approach (List separately in addition to code for primary procedure)
57268	Repair of enterocele, vaginal approach (separate procedure)
57270	Repair of enterocele, abdominal approach (separate procedure)
57280	Colpopexy, abdominal approach
57282	Colpopexy, vaginal; extra-peritoneal approach (sacrospinous, iliococcygeus)
57283	Colpopexy, vaginal; intra-peritoneal approach (uterosacral, levator myorrhaphy)
57284	Paravaginal defect repair (including repair of cystocele, if performed); open abdominal approach
57287	Removal or revision of sling for stress incontinence (eg, fascia or synthetic)
57288	Sling operation for stress incontinence (eg, fascia or synthetic)
57289	Pereyra procedure, including anterior colporrhaphy
57291	Construction of artificial vagina; without graft
57292	Construction of artificial vagina; with graft
57295	Revision (including removal) of prosthetic vaginal graft; vaginal approach
57296	Revision (including removal) of prosthetic vaginal graft; open abdominal approach
57300	Closure of rectovaginal fistula; vaginal or transanal approach
57305	Closure of rectovaginal fistula; abdominal approach
57307	Closure of rectovaginal fistula; abdominal approach, with concomitant colostomy
57308	Closure of rectovaginal fistula; transperineal approach, with perineal body reconstruction, with or without levator plication
57310	Closure of urethrovaginal fistula;
57311	Closure of urethrovaginal fistula; with bulboavernosus transplant
57320	Closure of vesicovaginal fistula; vaginal approach
57330	Closure of vesicovaginal fistula; transvesical and vaginal approach
57335	Vaginoplasty for intersex state
57423	Paravaginal defect repair (including repair of cystocele, if performed), laparoscopic approach
57425	Laparoscopy, surgical, colpopexy (suspension of vaginal apex)
57426	Revision (including removal) of prosthetic vaginal graft, laparoscopic approach
57530	Trachelectomy (cervicectomy), amputation of cervix (separate procedure)
57531	Radical trachelectomy, with bilateral total pelvic lymphadenectomy and para-aortic lymph node sampling biopsy, with or without removal of tube(s), with or without removal of ovarv(s)
57540	Excision of cervical stump, abdominal approach;
57545	Excision of cervical stump, abdominal approach; with pelvic floor repair
57550	Excision of cervical stump, vaginal approach;
57555	Excision of cervical stump, vaginal approach; with anterior and/or posterior repair
57556	Excision of cervical stump, vaginal approach; with repair of enterocele

58140	Myomectomy, excision of fibroid tumor(s) of uterus, 1 to 4 intramural myoma(s) with total weight of 250 g or less and/or removal of surface myomas; abdominal approach
58145	Myomectomy, excision of fibroid tumor(s) of uterus, 1 to 4 intramural myoma(s) with total weight of 250 g or less and/or removal of surface myomas; vaginal approach
58146	Myomectomy, excision of fibroid tumor(s) of uterus, 5 or more intramural myomas and/or intramural myomas with total weight greater than 250 g, abdominal approach
58150	Total abdominal hysterectomy (corpus and cervix), with or without removal of tube(s), with or without removal of ovary(s);
58152	Total abdominal hysterectomy (corpus and cervix), with or without removal of tube(s), with or without removal of ovary(s); with colpo-urethrocytopexy (eg, Marshall-Marchetti-Krantz, Burch)
58180	Supracervical abdominal hysterectomy (subtotal hysterectomy), with or without removal of tube(s), with or without removal of ovary(s)
58200	Total abdominal hysterectomy, including partial vaginectomy, with para-aortic and pelvic lymph node sampling, with or without removal of tube(s), with or without removal of ovarv(s)
58210	Radical abdominal hysterectomy, with bilateral total pelvic lymphadenectomy and para-aortic lymph node sampling (biopsy), with or without removal of tube(s), with or without removal of ovarv(s)
58240	Pelvic exenteration for gynecologic malignancy, with total abdominal hysterectomy or cervicectomy, with or without removal of tube(s), with or without removal of ovary(s), with removal of bladder and ureteral transplantations, and/or abdominoperineal resection of rectum and colon and colostomy, or any combination thereof
58260	Vaginal hysterectomy, for uterus 250 g or less;
58262	Vaginal hysterectomy, for uterus 250 g or less; with removal of tube(s), and/or ovary(s)
58263	Vaginal hysterectomy, for uterus 250 g or less; with removal of tube(s), and/or ovary(s), with repair of enterocele
58267	Vaginal hysterectomy, for uterus 250 g or less; with colpo-urethrocytopexy (Marshall-Marchetti-Krantz type, Pereyra type) with or without endoscopic control
58270	Vaginal hysterectomy, for uterus 250 g or less; with repair of enterocele
58275	Vaginal hysterectomy, with total or partial vaginectomy;
58280	Vaginal hysterectomy, with total or partial vaginectomy; with repair of enterocele
58285	Vaginal hysterectomy, radical (Schauta type operation)
58290	Vaginal hysterectomy, for uterus greater than 250 g;
58291	Vaginal hysterectomy, for uterus greater than 250 g; with removal of tube(s) and/or ovary(s)
58292	Vaginal hysterectomy, for uterus greater than 250 g; with removal of tube(s) and/or ovary(s), with repair of enterocele
58293	Vaginal hysterectomy, for uterus greater than 250 g; with colpo-urethrocytopexy (Marshall-Marchetti-Krantz type, Pereyra type) with or without endoscopic control
58294	Vaginal hysterectomy, for uterus greater than 250 g; with repair of enterocele
58400	Uterine suspension, with or without shortening of round ligaments, with or without shortening of sacrouterine ligaments: (separate procedure)

58410	Uterine suspension, with or without shortening of round ligaments, with or without shortening of sacrouterine ligaments; with presacral sympathectomy
58520	Hysterorrhaphy, repair of ruptured uterus (nonobstetrical)
58540	Hysteroplasty, repair of uterine anomaly (Strassman type)
58541	Laparoscopy, surgical, supracervical hysterectomy, for uterus 250 g or less;
58542	Laparoscopy, surgical, supracervical hysterectomy, for uterus 250 g or less; with removal of tube(s) and/or ovary(s)
58543	Laparoscopy, surgical, supracervical hysterectomy, for uterus greater than 250 g;
58544	Laparoscopy, surgical, supracervical hysterectomy, for uterus greater than 250 g; with removal of tube(s) and/or ovary(s)
58545	Laparoscopy, surgical, myomectomy, excision; 1 to 4 intramural myomas with total weight of 250 g or less and/or removal of surface myomas
58546	Laparoscopy, surgical, myomectomy, excision; 5 or more intramural myomas and/or intramural myomas with total weight greater than 250 g
58548	Laparoscopy, surgical, with radical hysterectomy, with bilateral total pelvic lymphadenectomy and para-aortic lymph node sampling (biopsy), with removal of tube(s) and ovary(s), if performed
58550	Laparoscopy, surgical, with vaginal hysterectomy, for uterus 250 g or less;
58552	Laparoscopy, surgical, with vaginal hysterectomy, for uterus 250 g or less; with removal of tube(s) and/or ovary(s)
58553	Laparoscopy, surgical, with vaginal hysterectomy, for uterus greater than 250 g;
58554	Laparoscopy, surgical, with vaginal hysterectomy, for uterus greater than 250 g; with removal of tube(s) and/or ovary(s)
58570	Laparoscopy, surgical, with total hysterectomy, for uterus 250 g or less;
58571	Laparoscopy, surgical, with total hysterectomy, for uterus 250 g or less; with removal of tube(s) and/or ovary(s)
58572	Laparoscopy, surgical, with total hysterectomy, for uterus greater than 250 g;
58573	Laparoscopy, surgical, with total hysterectomy, for uterus greater than 250 g; with removal of tube(s) and/or ovary(s)
58578	Unlisted laparoscopy procedure, uterus
58579	Unlisted hysteroscopy procedure, uterus
58611	Ligation or transection of fallopian tube(s) when done at the time of cesarean delivery or intra-abdominal surgery (not a separate procedure) (List separately in addition to code for primary procedure)
58660	Laparoscopy, surgical; with lysis of adhesions (salpingolysis, ovariolysis) (separate procedure)
58661	Laparoscopy, surgical; with removal of adnexal structures (partial or total oophorectomy and/or salpingectomy)
58662	Laparoscopy, surgical; with fulguration or excision of lesions of the ovary, pelvic viscera, or peritoneal surface by any method
58672	Laparoscopy, surgical; with fimbrioplasty
58673	Laparoscopy, surgical; with salpingostomy (salpingoneostomy)
58679	Unlisted laparoscopy procedure, oviduct, ovary
58720	Salpingo-oophorectomy, complete or partial, unilateral or bilateral (separate procedure)
58750	Tubotubal anastomosis
58752	Tubouterine implantation

58760	Fimbrioplasty
58770	Salpingostomy (salpingoneostomy)
58805	Drainage of ovarian cyst(s), unilateral or bilateral (separate procedure); abdominal approach
58822	Drainage of ovarian abscess; abdominal approach
58825	Transposition, ovary(s)
58925	Ovarian cystectomy, unilateral or bilateral
58940	Oophorectomy, partial or total, unilateral or bilateral;
58943	Oophorectomy, partial or total, unilateral or bilateral; for ovarian, tubal or primary peritoneal malignancy, with para-aortic and pelvic lymph node biopsies, peritoneal washings, peritoneal biopsies, diaphragmatic assessments, with or without salpingectomy(s), with or without omentectomy
58950	Resection (initial) of ovarian, tubal or primary peritoneal malignancy with bilateral salpingo-oophorectomy and omentectomy;
58951	Resection (initial) of ovarian, tubal or primary peritoneal malignancy with bilateral salpingo-oophorectomy and omentectomy; with total abdominal hysterectomy, pelvic and limited para-aortic lymphadenectomy
58952	Resection (initial) of ovarian, tubal or primary peritoneal malignancy with bilateral salpingo-oophorectomy and omentectomy; with radical dissection for debulking (ie, radical excision or destruction, intra-abdominal or retroperitoneal tumors)
58953	Bilateral salpingo-oophorectomy with omentectomy, total abdominal hysterectomy and radical dissection for debulking;
58954	Bilateral salpingo-oophorectomy with omentectomy, total abdominal hysterectomy and radical dissection for debulking; with pelvic lymphadenectomy and limited para-aortic lymphadenectomy
58956	Bilateral salpingo-oophorectomy with total omentectomy, total abdominal hysterectomy for malignancy
58957	Resection (tumor debulking) of recurrent ovarian, tubal, primary peritoneal, uterine malignancy (intra-abdominal, retroperitoneal tumors), with omentectomy, if performed;
58958	Resection (tumor debulking) of recurrent ovarian, tubal, primary peritoneal, uterine malignancy (intra-abdominal, retroperitoneal tumors), with omentectomy, if performed; with pelvic lymphadenectomy and limited para-aortic lymphadenectomy
58960	Laparotomy, for staging or restaging of ovarian, tubal, or primary peritoneal malignancy (second look), with or without omentectomy, peritoneal washing, biopsy of abdominal and pelvic peritoneum, diaphragmatic assessment with pelvic and limited para-aortic lymphadenectomy
59076	Fetal shunt placement, including ultrasound guidance
59100	Hysterotomy, abdominal (eg, for hydatidiform mole, abortion)
59120	Surgical treatment of ectopic pregnancy; tubal or ovarian, requiring salpingectomy and/or oophorectomy, abdominal or vaginal approach
59121	Surgical treatment of ectopic pregnancy; tubal or ovarian, without salpingectomy and/or oophorectomy
59130	Surgical treatment of ectopic pregnancy; abdominal pregnancy
59135	Surgical treatment of ectopic pregnancy; interstitial, uterine pregnancy requiring total hysterectomy
59136	Surgical treatment of ectopic pregnancy; interstitial, uterine pregnancy with partial resection of uterus

59140	Surgical treatment of ectopic pregnancy; cervical, with evacuation
59150	Laparoscopic treatment of ectopic pregnancy; without salpingectomy and/or oophorectomy
59151	Laparoscopic treatment of ectopic pregnancy; with salpingectomy and/or oophorectomy
59325	Cerclage of cervix, during pregnancy; abdominal
59350	Hysterorrhaphy of ruptured uterus
59510	Routine obstetric care including antepartum care, cesarean delivery, and postpartum care
59514	Cesarean delivery only;
59515	Cesarean delivery only; including postpartum care
59525	Subtotal or total hysterectomy after cesarean delivery (List separately in addition to code for primary procedure)
59618	Routine obstetric care including antepartum care, cesarean delivery, and postpartum care, following attempted vaginal delivery after previous cesarean delivery
59620	Cesarean delivery only, following attempted vaginal delivery after previous cesarean delivery;
59622	Cesarean delivery only, following attempted vaginal delivery after previous cesarean delivery; including postpartum care
59857	Induced abortion, by 1 or more vaginal suppositories (eg, prostaglandin) with or without cervical dilation (eg, laminaria), including hospital admission and visits, delivery of fetus and secundines; with hysterotomy (failed medical evacuation)
59898	Unlisted laparoscopy procedure, maternity care and delivery
60200	Excision of cyst or adenoma of thyroid, or transection of isthmus
60210	Partial thyroid lobectomy, unilateral; with or without isthmusectomy
60212	Partial thyroid lobectomy, unilateral; with contralateral subtotal lobectomy, including isthmusectomy
60220	Total thyroid lobectomy, unilateral; with or without isthmusectomy
60225	Total thyroid lobectomy, unilateral; with contralateral subtotal lobectomy, including isthmusectomy
60240	Thyroidectomy, total or complete
60252	Thyroidectomy, total or subtotal for malignancy; with limited neck dissection
60254	Thyroidectomy, total or subtotal for malignancy; with radical neck dissection
60260	Thyroidectomy, removal of all remaining thyroid tissue following previous removal of a portion of thyroid
60270	Thyroidectomy, including substernal thyroid; sternal split or transthoracic approach
60271	Thyroidectomy, including substernal thyroid; cervical approach
60280	Excision of thyroglossal duct cyst or sinus;
60281	Excision of thyroglossal duct cyst or sinus; recurrent
60500	Parathyroidectomy or exploration of parathyroid(s);
60502	Parathyroidectomy or exploration of parathyroid(s); re-exploration
60505	Parathyroidectomy or exploration of parathyroid(s); with mediastinal exploration, sternal split or transthoracic approach
60512	Parathyroid autotransplantation (List separately in addition to code for primary procedure)
60520	Thymectomy, partial or total; transcervical approach (separate procedure)

60521	Thymectomy, partial or total; sternal split or transthoracic approach, without radical mediastinal dissection (separate procedure)
60522	Thymectomy, partial or total; sternal split or transthoracic approach, with radical mediastinal dissection (separate procedure)
60540	Adrenalectomy, partial or complete, or exploration of adrenal gland with or without biopsy, transabdominal, lumbar or dorsal (separate procedure);
60545	Adrenalectomy, partial or complete, or exploration of adrenal gland with or without biopsy, transabdominal, lumbar or dorsal (separate procedure); with excision of adjacent retroperitoneal tumor
60600	Excision of carotid body tumor; without excision of carotid artery
60605	Excision of carotid body tumor; with excision of carotid artery
60650	Laparoscopy, surgical, with adrenalectomy, partial or complete, or exploration of adrenal gland with or without biopsy, transabdominal, lumbar or dorsal
60659	Unlisted laparoscopy procedure, endocrine system
60699	Unlisted procedure, endocrine system
61304	Craniectomy or craniotomy, exploratory; supratentorial
61305	Craniectomy or craniotomy, exploratory; infratentorial (posterior fossa)
61312	Craniectomy or craniotomy for evacuation of hematoma, supratentorial; extradural or subdural
61313	Craniectomy or craniotomy for evacuation of hematoma, supratentorial; intracerebral
61314	Craniectomy or craniotomy for evacuation of hematoma, infratentorial; extradural or subdural
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 associated intraparenchymal hematoma; without lobectomy
61323	Craniectomy or craniotomy, decompressive, with or without duraplasty, for treatment of intracranial hypertension, without evacuation of associated intraparenchymal hematoma; with lobectomy
61330	Decompression of orbit only, transcranial approach
61332	Exploration of orbit (transcranial approach); with biopsy
61333	Exploration of orbit (transcranial approach); with removal of lesion
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)
61345	Other cranial decompression, posterior fossa
61450	Craniectomy, subtemporal, for section, compression, or decompression of sensory root of gasserian ganglion
61458	Craniectomy, suboccipital; for exploration or decompression of cranial nerves
61460	Craniectomy, suboccipital; for section of 1 or more cranial nerves

61480	Craniectomy, suboccipital; for mesencephalic tractotomy or pedunculotomy
61500	Craniectomy; with excision of tumor or other bone lesion of skull
61501	Craniectomy; for osteomyelitis
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
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
61518	Craniectomy for excision of brain tumor, infratentorial or posterior fossa; except meningioma, cerebellopontine angle tumor, or midline tumor at 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
61522	Craniectomy, infratentorial or posterior fossa; for excision of brain abscess
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 craniotomy/craniectomy
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

61543	Craniotomy with elevation of bone flap; for partial or subtotal (functional) hemispherectomy
61544	Craniotomy with elevation of bone flap; for excision or coagulation of choroid plexus
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 transeptal approach, nonstereotactic
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 autografts (eg, barrel-stave procedure) (includes obtaining grafts)
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
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
61570	Craniectomy or craniotomy; with excision of foreign body from brain
61571	Craniectomy or craniotomy; with treatment of penetrating wound of brain
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)
61580	Craniofacial approach to anterior cranial fossa; extradural, including lateral rhinotomy, ethmoidectomy, sphenoidectomy, without maxillectomy or orbital exenteration
61581	Craniofacial approach to anterior cranial fossa; extradural, including lateral rhinotomy, orbital exenteration, ethmoidectomy, sphenoidectomy and/or maxillectomy
61582	Craniofacial approach to anterior cranial fossa; extradural, including unilateral or bifrontal craniotomy, elevation of frontal lobe(s), 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, 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
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
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 of the facial nerve and/or petrous carotid artery
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 and/or mobilization of contents of auditory canal or petrous carotid artery
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
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
61597	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
61598	Transpetrosal approach to posterior cranial fossa, clivus or foramen magnum, including ligation of superior petrosal sinus and/or sigmoid sinus
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
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
61610	Transection or ligation, carotid artery in cavernous sinus, with repair by anastomosis or graft (List separately in addition to code for primary 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)

61613	Obliteration of carotid aneurysm, arteriovenous malformation, or carotid-cavernous fistula by dissection within cavernous sinus
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
61616	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
61618	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)
61619	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 occipitalis muscle)
61680	Surgery of intracranial arteriovenous malformation; supratentorial, simple
61682	Surgery of intracranial arteriovenous malformation; supratentorial, complex
61684	Surgery of intracranial arteriovenous malformation; infratentorial, simple
61686	Surgery of intracranial arteriovenous malformation; infratentorial, complex
61690	Surgery of intracranial arteriovenous malformation; dural, simple
61692	Surgery of intracranial arteriovenous malformation; dural, complex
61697	Surgery of complex intracranial aneurysm, intracranial approach; carotid circulation
61698	Surgery of complex intracranial aneurysm, intracranial approach; vertebrobasilar circulation
61700	Surgery of simple intracranial aneurysm, intracranial approach; carotid circulation
61702	Surgery of simple intracranial aneurysm, intracranial approach; vertebrobasilar circulation
61703	Surgery of intracranial aneurysm, cervical approach by application of occluding clamp to cervical carotid artery (Selverstone-Crutchfield type)
61705	Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial and cervical occlusion of carotid artery
61708	Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intracranial electrothrombosis
61710	Surgery of aneurysm, vascular malformation or carotid-cavernous fistula; by intra-arterial embolization, injection procedure, or balloon catheter
61711	Anastomosis, arterial, extracranial-intracranial (eg, middle cerebral/cortical) arteries
61860	Craniectomy or craniotomy for implantation of neurostimulator electrodes, cerebral, cortical
61870	Craniectomy for implantation of neurostimulator electrodes, cerebellar, cortical
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
62115	Reduction of craniomegalic skull (eg, treated hydrocephalus); not requiring bone grafts or cranioplasty
62117	Reduction of craniomegalic skull (eg, treated hydrocephalus); requiring craniotomy and reconstruction with or without bone graft (includes obtaining grafts)
62120	Repair of encephalocele, skull vault, including cranioplasty
62121	Craniotomy for repair of encephalocele, skull base
62140	Cranioplasty for skull defect; up to 5 cm diameter
62141	Cranioplasty for skull defect; larger than 5 cm diameter
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
62162	Neuroendoscopy, intracranial; with fenestration or excision of colloid cyst, including placement of external ventricular catheter for drainage
62164	Neuroendoscopy, intracranial; with excision of brain tumor, including placement of external ventricular catheter for drainage
62165	Neuroendoscopy, intracranial; with excision of pituitary tumor, transnasal or trans-sphenoidal approach
62180	Ventriculocisternostomy (Torkildsen type operation)
62190	Creation of shunt; subarachnoid/subdural-atrial, -jugular, -auricular
62192	Creation of shunt; subarachnoid/subdural-peritoneal, -pleural, other terminus
62200	Ventriculocisternostomy, third ventricle;
62220	Creation of shunt; ventriculo-atrial, -jugular, -auricular
62223	Creation of shunt; ventriculo-peritoneal, -pleural, other terminus
62258	Removal of complete cerebrospinal fluid shunt system; with replacement by similar or other shunt at same operation
62351	Implantation, revision or repositioning of tunneled intrathecal or epidural catheter, for long-term medication administration via an external pump or implantable reservoir/infusion pump; with laminectomy
63001	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: cervical
63003	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: thoracic
63005	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; lumbar, except for spondylolisthesis
63011	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
63012	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)

63015	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: cervical
63016	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: thoracic
63017	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
63020	Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc; 1 interspace, cervical
63030	Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc; 1 interspace, lumbar
63035	Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc; each additional interspace, cervical or lumbar (List separately in addition to code for primary procedure)
63040	Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace: cervical
63042	Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace: lumbar
63043	Laminotomy (hemilaminectomy), with decompression of nerve root(s), including partial facetectomy, foraminotomy and/or excision of herniated intervertebral disc, reexploration, single interspace; each additional cervical interspace (List separately in addition to code for primary procedure)
63044	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 addition to code for primary procedure)
63045	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: cervical
63046	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: thoracic
63047	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
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 lumbar (List separately in addition to code for primary procedure)
63050	Laminoplasty, cervical, with decompression of the spinal cord, 2 or more vertebral segments;

63051	Laminoplasty, cervical, with decompression of the spinal cord, 2 or more vertebral segments; with reconstruction of the posterior bony elements (including the application of bridging bone graft and non-segmental fixation devices (eg, wire, suture, mini-plates), when performed)
63055	Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; thoracic
63056	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)
63057	Transpedicular approach with decompression of spinal cord, equina and/or nerve root(s) (eg, herniated intervertebral disc), single segment; each 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 (List separately in addition to code for primary procedure)
63075	Discectomy, anterior, with decompression of spinal cord and/or nerve root(s), including osteophyctectomy; cervical, single interspace
63076	Discectomy, anterior, with decompression of spinal cord and/or nerve root(s), including osteophyctectomy; cervical, each additional interspace (List separately in addition to code for primary procedure)
63077	Discectomy, anterior, with decompression of spinal cord and/or nerve root(s), including osteophyctectomy; thoracic, single interspace
63078	Discectomy, anterior, with decompression of spinal cord and/or nerve root(s), including osteophyctectomy; 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)
63085	Vertebral corpectomy (vertebral body resection), partial or complete, transthoracic approach with decompression of spinal cord and/or nerve root(s); thoracic, single segment
63086	Vertebral corpectomy (vertebral body resection), partial or complete, transthoracic approach with decompression of spinal cord and/or nerve 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 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 equina or nerve root(s), lower thoracic or lumbar; each additional segment (List separately in addition to code for primary procedure)

63090	Vertebral corpectomy (vertebral body resection), partial or complete, transperitoneal or retroperitoneal approach with decompression of spinal 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 cord, cauda equina or nerve root(s), lower thoracic, lumbar, or sacral; each additional segment (List separately in addition to code for primary procedure)
63101	Vertebral corpectomy (vertebral body resection), partial or complete, lateral extracavitary approach with decompression of spinal cord and/or 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 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 nerve root(s) (eg, for tumor or retropulsed bone fragments); thoracic or lumbar, each additional segment (List separately in addition to code for primary procedure)
63170	Laminectomy with myelotomy (eg, Bischof or DREZ type), cervical, thoracic, or thoracolumbar
63172	Laminectomy with drainage of intramedullary cyst/syrinx; to subarachnoid space
63173	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
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
63200	Laminectomy, with release of tethered spinal cord, lumbar
63250	Laminectomy for excision or occlusion of arteriovenous malformation of spinal cord; cervical
63251	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
63275	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, cervical
63276	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, thoracic
63277	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, lumbar
63278	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
63295	Osteoplastic reconstruction of dorsal spinal elements, following primary intraspinal procedure (List separately in addition to code for primary procedure)
63300	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; extradural, cervical
63301	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; extradural, thoracic by transthoracic approach

63302	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; extradural, thoracic by thoracolumbar approach
63303	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; extradural, lumbar or sacral by transperitoneal or retroperitoneal approach
63304	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; intradural, cervical
63305	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; intradural, thoracic by transthoracic approach
63306	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; intradural, thoracic by thoracolumbar approach
63307	Vertebral corpectomy (vertebral body resection), partial or complete, for excision of intraspinal lesion, single segment; intradural, lumbar or sacral 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)
63655	Laminectomy for implantation of neurostimulator electrodes, plate/paddle, epidural
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
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
63710	Dural graft, spinal
63740	Creation of shunt, lumbar, subarachnoid-peritoneal, -pleural, or other; including laminectomy
63744	Replacement, irrigation or revision of lumbosubarachnoid shunt
64708	Neuroplasty, major peripheral nerve, arm or leg, open; other than specified
64712	Neuroplasty, major peripheral nerve, arm or leg, open; sciatic nerve
64713	Neuroplasty, major peripheral nerve, arm or leg, open; brachial plexus
64714	Neuroplasty, major peripheral nerve, arm or leg, open; lumbar plexus
64716	Neuroplasty and/or transposition; cranial nerve (specify)
64742	Transection or avulsion of; facial nerve, differential or complete
64746	Transection or avulsion of; phrenic nerve
64755	Transection or avulsion of; vagus nerves limited to proximal stomach (selective proximal vagotomy, proximal gastric vagotomy, parietal cell vagotomy, supra- or highly selective vagotomy)
64760	Transection or avulsion of; vagus nerve (vagotomy), abdominal

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
64771	Transection or avulsion of other cranial nerve, extradural
64772	Transection or avulsion of other spinal nerve, extradural
64784	Excision of neuroma; major peripheral nerve, except sciatic
64786	Excision of neuroma; sciatic nerve
64787	Implantation of nerve end into bone or muscle (List separately in addition to neuroma excision)
64790	Excision of neurofibroma or neurolemmoma; major peripheral nerve
64792	Excision of neurofibroma or neurolemmoma; extensive (including malignant type)
64802	Sympathectomy, cervical
64804	Sympathectomy, cervicothoracic
64809	Sympathectomy, thoracolumbar
64818	Sympathectomy, lumbar
64821	Sympathectomy; radial artery
64822	Sympathectomy; ulnar artery
64823	Sympathectomy; superficial palmar arch
64856	Suture of major peripheral nerve, arm or leg, except sciatic; including transposition
64857	Suture of major peripheral nerve, arm or leg, except sciatic; without transposition
64858	Suture of sciatic nerve
64859	Suture of each additional major peripheral nerve (List separately in addition to code for primary procedure)
64861	Suture of; brachial plexus
64862	Suture of; lumbar plexus
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
64872	Suture of nerve; requiring secondary or delayed suture (List separately in addition to code for primary neuroorrhaphy)
64874	Suture of nerve; requiring extensive mobilization, or transposition of nerve (List separately in addition to code for nerve suture)
64876	Suture of nerve; requiring shortening of bone of extremity (List separately in addition to code for nerve suture)
64885	Nerve graft (includes obtaining graft), head or neck; up to 4 cm in length
64886	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
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)
64905	Nerve pedicle transfer; first stage
64907	Nerve pedicle transfer; second stage
64910	Nerve repair; with synthetic conduit or vein allograft (eg, nerve tube), each nerve
64911	Nerve repair; with autogenous vein graft (includes harvest of vein graft), each nerve
64999	Unlisted procedure, nervous system
65105	Enucleation of eye; with implant, muscles attached to implant
65110	Exenteration of orbit (does not include skin graft), removal of orbital contents; only
65112	Exenteration of orbit (does not include skin graft), removal of orbital contents; with therapeutic removal of bone
65114	Exenteration of orbit (does not include skin graft), removal of orbital contents; with muscle or myocutaneous flap
66225	Repair of scleral staphyloma; with graft
67400	Orbitotomy without bone flap (frontal or transconjunctival approach); for exploration, with or without biopsy
67420	Orbitotomy with bone flap or window, lateral approach (eg, Kroenlein); with removal of lesion
67430	Orbitotomy with bone flap or window, lateral approach (eg, Kroenlein); with removal of foreign body
67440	Orbitotomy with bone flap or window, lateral approach (eg, Kroenlein); with drainage
67445	Orbitotomy with bone flap or window, lateral approach (eg, Kroenlein); with removal of bone for decompression
67450	Orbitotomy with bone flap or window, lateral approach (eg, Kroenlein); for exploration, with or without biopsy
67570	Optic nerve decompression (eg, incision or fenestration of optic nerve sheath)
69155	Radical excision external auditory canal lesion; with neck dissection
69535	Resection temporal bone, external approach
69554	Excision aural glomus tumor; extended (extratemporal)
69715	Implantation, osseointegrated implant, temporal bone, with percutaneous attachment to external speech processor/cochlear stimulator; with mastoidectomy
69717	Replacement (including removal of existing device), osseointegrated implant, temporal bone, with percutaneous attachment to external speech processor/cochlear stimulator; without mastoidectomy
69718	Replacement (including removal of existing device), osseointegrated implant, temporal bone, with percutaneous attachment to external speech processor/cochlear stimulator; with mastoidectomy

69725	Decompression facial nerve, intratemporal; including medial to geniculate ganglion
69740	Suture facial nerve, intratemporal, with or without graft or decompression; lateral to geniculate ganglion
69745	Suture facial nerve, intratemporal, with or without graft or decompression; including medial to geniculate ganglion
69950	Vestibular nerve section, transcranial approach
69955	Total facial nerve decompression and/or repair (may include graft)
69960	Decompression internal auditory canal
69970	Removal of tumor, temporal bone