

FY 2005 Final Addenda
ICD-9-CM Volume 3, Procedures
Effective October 1, 2004

Tabular List

Add exclusion term	00.0	Therapeutic ultrasound <u>Excludes:</u> <u>diagnostic ultrasound (non-invasive) (88.71-88.79)</u> <u>intracardiac echocardiography [ICE] (heart chamber(s)) (37.28)</u> <u>intravascular imaging (adjunctive) (00.21-00.29)</u>
New code	00.16	Pressurized treatment of venous bypass graft [conduit] with pharmaceutical substance Ex-vivo treatment of vessel Hyperbaric pressurized graft [conduit]
New code	00.17	Infusion of vasopressor agent
New subcategory	00.2	Intravascular imaging of blood vessels Endovascular ultrasonography Intravascular ultrasound (IVUS) Code also any synchronous diagnostic or therapeutic procedures Excludes: therapeutic ultrasound (00.01-00.09)
New code	00.21	Intravascular imaging of extracranial cerebral vessels Common carotid vessels and branches Intravascular ultrasound (IVUS), extracranial cerebral vessels Excludes: diagnostic ultrasound (non-invasive) of head and neck (88.71)
New code	00.22	Intravascular imaging of intrathoracic vessels Aorta and aortic arch Intravascular ultrasound (IVUS), intrathoracic vessels Vena cava (superior) (inferior) Excludes: diagnostic ultrasound (non-invasive) of other sites of thorax (88.73)

- New code 00.23 Intravascular imaging of peripheral vessels
 Imaging of:
 vessels of arm(s)
 vessels of leg(s)
 Intravascular ultrasound (IVUS), peripheral vessels
 Excludes: diagnostic ultrasound (non-invasive) of peripheral vascular
 system (88.77)
- New code 00.24 Intravascular imaging of coronary vessels
 Intravascular ultrasound (IVUS), coronary vessels
 Excludes:
 diagnostic ultrasound (non-invasive) of heart (88.72)
 intracardiac echocardiography [ICE]
 (ultrasound of heart chamber(s)) (37.28)
- New code 00.25 Intravascular imaging of renal vessels
 Intravascular ultrasound (IVUS), renal vessels
 Renal artery
 Excludes: diagnostic ultrasound (non-invasive) of urinary system
 (88.75)
- New code 00.28 Intravascular imaging, other specified vessel(s)
- New code 00.29 Intravascular imaging, unspecified vessel(s)
- New subcategory 00.3 Computer assisted surgery [CAS]
 CT-free navigation
 Image guided navigation (IGN)
 Image guided surgery (IGS)
 Imageless navigation
 Code also diagnostic or therapeutic procedure
 Excludes: stereotactic frame application only (93.59)
- New code 00.31 Computer assisted surgery with CT/CTA
- New code 00.32 Computer assisted surgery with MR/MRA
- New code 00.33 Computer assisted surgery with fluoroscopy
- New code 00.34 Imageless computer assisted surgery
- New code 00.35 Computer assisted surgery with multiple datasets

Excludes:

angioplasty or atherectomy of other non-coronary vessel(s)
(39.50)

removal of cerebrovascular obstruction of vessel(s) by open
approach (38.01-38.02, 38.11-38.12, 38.31-38.32, 38.41-38.42)

New code 00.63 Percutaneous insertion of carotid artery stent(s)
Includes the use of any embolic protection device, distal
protection device, filter device, or stent delivery system
Non-drug-eluting stent

Code also percutaneous angioplasty or atherectomy of precerebral
vessel(s) (00.61)

New code 00.64 Percutaneous insertion of other precerebral (extracranial) artery
stent(s)
Includes the use of any embolic protection device, distal
protection device, filter device, or stent delivery system
Basilar stent
Vertebral stent
Code also percutaneous angioplasty or atherectomy of precerebral
vessel(s) (00.61)

New code 00.65 Percutaneous insertion of intracranial vascular stent(s)
Includes the use of any embolic protection device, distal
protection device, filter device, or stent delivery system

Code also percutaneous angioplasty or atherectomy of
intracranial vessel(s) (00.62)

New subcategory 00.9 Other procedures and interventions

New code 00.91 Transplant from live related donor
Code also organ transplant procedure

New code 00.92 Transplant from live non-related donor
Code also organ transplant procedure

New code 00.93 Transplant from cadaver
Code also organ transplant procedure

Revise code title 01.22 Removal of intracranial neurostimulator lead(s)

Add code also note Code also any removal of neurostimulator pulse generator
(86.05)

Revise code title	02.93	<u>Implantation or replacement of intracranial neurostimulator lead(s)</u>
Add code also note		<u>Code also any insertion of neurostimulator pulse generator (86.94-86.96)</u>
Revise code title	03.93	Insertion <u>Implantation or replacement of spinal neurostimulator lead(s)</u>
Add code also		<u>Code also any insertion of neurostimulator pulse generator (86.94-86.96)</u>
Revise code title	03.94	Removal of spinal neurostimulator <u>lead(s)</u>
Add code also note		<u>Code also any removal of neurostimulator pulse generator (86.05)</u>
Revise code title	04.92	Implantation or replacement of peripheral neurostimulator <u>lead(s)</u>
Add code also note		<u>Code also any insertion of neurostimulator pulse generator (86.94-86.96)</u>
Revise code title	04.93	Removal of peripheral neurostimulator <u>lead(s)</u>
Add code also note		<u>Code also any removal of neurostimulator pulse generator (86.05)</u>
Add note	11.60	Corneal transplant, not otherwise specified <u>Note: To report donor source -see codes 00.91-00.93</u>
New code	27.64	Insertion of palatal implant
Add code also note	27.69	Other plastic repair of palate <u>Code also any insertion of palatal implant (27.64)</u>
Add note	33.5	Lung transplant <u>Note: To report donor source -see codes 00.91-00.93</u>

Add note	33.6 Combined heart-lung transplantation <u>Note: To report donor source -see codes 00.91-00.93</u>
Add code also note	36.1 Bypass anastomosis for heart revascularization Code also: <u>pressurized treatment of venous bypass graft [conduit] with pharmaceutical substance, if performed (00.16)</u>
Revise code title	36.11 <u>(Aorto)</u> coronary bypass of one coronary artery
Revise code title	36.12 <u>(Aorto)</u> coronary bypass of two coronary arteries
Revise code title	36.13 <u>(Aorto)</u> coronary bypass of three coronary arteries
Revise code title	36.14 <u>(Aorto)</u> coronary bypass of four or more coronary arteries
Add exclusion term	37.26 Cardiac electrophysiologic stimulation and recording studies Excludes: <u>device interrogation only without arrhythmia induction (bedside check) (89.45-89.49)</u>
Add inclusion term	37.28 Intracardiac echocardiography <u>Echocardiography of heart chambers</u>
Add exclusion term	Excludes: <u>intravascular imaging of coronary vessels (intravascular ultrasound)(IVUS) (00.24)</u>
Revise exclusion term	37.52 Implantation of total replacement heart system Excludes: implantation of heart assist system <u>[VAD] (37.62, 37.65, 37.66)</u>
Revise exclusion term	37.53 Replacement or repair of thoracic unit of total replacement heart system Excludes: replacement and repair of heart assist system <u>[VAD] (37.63)</u>
Revise exclusion term	37.54 Replacement or repair of other implantable component of total replacement heart system Excludes: replacement and repair of heart assist system <u>[VAD] (37.63)</u>
Revise subcategory title	37.6 Implantation of heart <u>and circulatory</u> assist system

Revise code title 37.62 ~~Implant~~ Insertion of other non-implantable heart assist system
 Delete inclusion term Insertion of centrifugal pump
 Delete inclusion term Insertion of heart assist system, not specified as pulsatile
Excludes:
 Add exclusion term insertion of percutaneous external heart assist device (37.68)

Revise code title 37.63 ~~Replacement and r~~ Repair of heart assist system
 Add inclusion term Replacement of parts of an existing ventricular assist device (VAD)
Excludes:
 replacement or repair of other implantable component of total replacement heart system [artificial heart] (37.54)
 Revise exclusion term replacement or repair of thoracic unit of total replacement heart system [artificial heart] (37.53)
 Revise exclusion term

37.64 Removal of heart assist system
Excludes:
 Add exclusion term explantation [removal] of percutaneous external heart assist device (97.44)

Revise code title 37.65 ~~Implant of an external, pulsatile~~ heart assist system
 Revise note Note: Device ~~not implantable~~ (outside the body but connected to heart) with external circulation and pump.
Includes open chest (sternotomy) procedure for cannulae attachments
Excludes:
 Add exclusion term insertion of percutaneous external heart assist device (37.68)

Revise code title 37.66 ~~Implant~~ Insertion of an implantable, pulsatile heart assist system
 Add inclusion term Axial flow heart assist system
 Add inclusion term Diagonal pump heart assist system
 Add inclusion term Left ventricular assist device (LVAD)
 Add inclusion term Pulsatile heart assist system
 Add inclusion term Right ventricular assist device (RVAD)
 Add inclusion term Rotary pump heart assist system
 Add inclusion term Ventricular assist device (VAD) not otherwise specified

Excludes:
 Revise exclusion term implantation of total replacement heart system [artificial heart] (37.52)

Add exclusion term		<u>insertion of percutaneous external heart assist device (37.68)</u>
New code	37.68	Insertion of percutaneous external heart assist device Includes percutaneous [femoral] insertion of cannulae attachments Circulatory assist device Extrinsic heart assist device pVAD Percutaneous heart assist device
New code	37.90	Insertion of left atrial appendage device Left atrial filter Left atrial occluder Transseptal catheter technique
	37.99	Other
		<u>Excludes:</u>
Add exclusion term		<u>insertion of left atrial appendage device (37.90)</u>
	39.2	Other shunt or vascular bypass
Add code also note		<u>Code also pressurized treatment of venous bypass graft [conduit] with pharmaceutical substance, if performed (00.16)</u>
Revise code title	39.50	Angioplasty or atherectomy of <u>other</u> non-coronary vessel(s) Percutaneous transluminal angioplasty (PTA) of non-coronary vessel:
Delete inclusion term		head and neck arteries:
Delete inclusion term		basilar
Delete inclusion term		carotid
Delete inclusion term		vertebral
		Code also any:
Add code also note		<u>percutaneous insertion of carotid artery stent(s) (00.63)</u>
Add exclusion term		<u>Excludes:</u> <u>percutaneous angioplasty or atherectomy of precerebral or cerebral vessel(s) (00.61 -00.62)</u>
	39.7	Endovascular repair of vessel
		<u>Excludes:</u>
Revise exclusion term		angioplasty or atherectomy of <u>other</u> non-coronary vessel(s) (39.50)

Revise exclusion term	insertion of <u>non-drug-eluting non-coronary peripheral vessel stent(s) or stents</u> (39.90)
Add exclusion term	<u>percutaneous insertion of carotid artery stent(s)</u> (00.63)
Add exclusion term	<u>percutaneous insertion of intracranial stent(s)</u> (00.65)
Add exclusion term	<u>percutaneous insertion of other precerebral artery stent(s)</u> (00.64)
	39.79 Other endovascular repair (of aneurysm) of other vessels
	Excludes:
Revise exclusion term	insertion of drug-eluting non-coronary artery <u>peripheral vessel stent(s)</u> (00.55)
Revise exclusion term	insertion of <u>non-drug-eluting non-coronary artery peripheral vessel stent(s)</u> (for other than aneurysm repair) (39.90)
Revise code title	39.90 Insertion of non-drug-eluting, non-coronary artery <u>peripheral vessel stent(s)</u>
	Excludes:
Revise exclusion term	insertion of drug-eluting, non-coronary artery <u>peripheral vessel stent(s)</u> (00.55)
Add exclusion term	<u>percutaneous insertion of carotid artery stent(s)</u> (00.63)
Add exclusion term	<u>percutaneous insertion of intracranial stent(s)</u> (00.65)
Add exclusion term	<u>percutaneous insertion of other precerebral artery stent(s)</u> (00.64)
Add note	41.0 Bone marrow or hematopoietic stem cell transplant Note: <u>To report donor source -see codes 00.91-00.93</u>
New code	44.38 Laparoscopic gastroenterostomy Bypass: gastroduodenostomy gastroenterostomy gastrogastrostomy Laparoscopic gastrojejunostomy without gastrectomy NEC Excludes: gastroenterostomy, open approach (44.39)
Add exclusion term	44.66 Other procedures for creation of esophagogastric sphincteric competence <u>Excludes: that by laparoscopy</u> (44.67)
New code	44.67 Laparoscopic procedures for creation of esophagogastric sphincteric competence Fundoplication

Gastric cardioplasty
Nissen's fundoplication
Restoration of cardio-esophageal angle

New code 44.68 Laparoscopic gastroplasty
Banding
Silastic vertical banding
Vertical banded gastroplasty (VBG)

Code also any synchronous laparoscopic gastroenterostomy (44.38)

Excludes:

insertion, laparoscopic adjustable gastric band (restrictive procedure) (44.95)

other repair of stomach, open approach (44.61-44.65, 44.69)

New code 44.95 Laparoscopic gastric restrictive procedure
Adjustable gastric band and port insertion
Excludes: laparoscopic gastroplasty (44.68)
other repair of stomach (44.69)

New code 44.96 Laparoscopic revision of gastric restrictive procedure
Revision or replacement of:
adjustable gastric band
subcutaneous gastric port device

New code 44.97 Laparoscopic removal of gastric restrictive device(s)
Removal of either or both:
adjustable gastric band
subcutaneous port device

Excludes:

nonoperative removal of gastric restrictive device(s)
(97.86)

open removal of gastric restrictive device(s) (44.99)

New code 44.98 (Laparoscopic) adjustment of size of adjustable gastric restrictive device
Infusion of saline for device tightening
Withdrawal of saline for device loosening

Code also any:

abdominal ultrasound (88.76)

abdominal wall fluoroscopy (88.09)

barium swallow (87.61)

Add note	46.97	Transplant of intestine <u>Note: To report donor source -see codes 00.91-00.93</u>
Add inclusion term	50.19	Other diagnostic procedures on liver Laparoscopic liver biopsy
Add note	50.5	Liver transplant <u>Note: To report donor source -see codes 00.91-00.93</u>
Add note	52.8	Transplant of pancreas <u>Note: To report donor source -see codes 00.91-00.93</u>
Add code also note	55.5	Complete nephrectomy Code also any synchronous excision of: <u>adrenal gland (07.21-07.3)</u>
Add note	55.6	Transplant of kidney <u>Note: To report donor source -see codes 00.91-00.93</u>
Add inclusion term	65.99	Other <u>Ovarian drilling</u>
Add inclusion term	75.34	Other fetal monitoring <u>Antepartum fetal nonstress test</u>
Add inclusion term	78.6	Removal of implanted devices from bone <u>Removal of internal limb lengthening device</u>
Add exclusion term	80.51	Excision of intervertebral disc <u>Excludes: that for insertion of (non-fusion) spinal disc replacement device (84.60 – 84.69)</u>
New code	81.65	Vertebroplasty Injection of bone void filler (cement) (polymethylmethacrylate) (PMMA) into the diseased or fractured vertebral body Excludes: kyphoplasty (81.66)

New code	81.66	Kyphoplasty Insertion of inflatable balloon, bone tamp, or other device to create a cavity for partial restoration of height of diseased or fractured vertebral body prior to injection of bone void filler (cement) (polymethylmethacrylate) (PMMA) Excludes: vertebroplasty (81.65)
	84.5	Implantation of other musculoskeletal devices and substances
Add exclusion term		<u>Excludes: insertion of (non-fusion) spinal disc replacement device (84.60 – 84.69)</u>
New code	84.53	Implantation of internal limb lengthening device with kinetic distraction Code also limb lengthening procedure (78.30 – 78.39)
New code	84.54	Implantation of other internal limb lengthening device Implantation of internal limb lengthening device, Not Otherwise Specified (NOS) Code also limb lengthening procedure (78.30 – 78.39)
New code	84.55	Insertion of bone void filler Insertion of: acrylic cement (PMMA) bone void cement calcium based bone void filler polymethylmethacrylate (PMMA) Excludes: that with kyphoplasty (81.66) that with vertebroplasty (81.65)
New code	84.59	Insertion of other spinal devices
New subcategory	84.6	Replacement of spinal disc Includes: non-fusion arthroplasty of the spine with insertion of artificial disc prosthesis
New code	84.60	Insertion of spinal disc prosthesis, not otherwise specified Replacement of spinal disc, NOS Includes: discectomy (discectomy)

- New code 84.61 Insertion of partial spinal disc prosthesis, cervical
 Nuclear replacement device, cervical
 Partial artificial disc prosthesis (flexible), cervical
 Replacement of nuclear disc (nucleus pulposus), cervical

 Includes: diskectomy (discectomy)
- New code 84.62 Insertion of total spinal disc prosthesis, cervical
 Replacement of cervical spinal disc, NOS
 Replacement of total spinal disc, cervical
 Total artificial disc prosthesis (flexible), cervical

 Includes: diskectomy (discectomy)
- New code 84.63 Insertion of spinal disc prosthesis, thoracic
 Artificial disc prosthesis (flexible), thoracic
 Replacement of thoracic spinal disc, partial or total
 Includes: diskectomy (discectomy)
- New code 84.64 Insertion of partial spinal disc prosthesis, lumbosacral
 Nuclear replacement device, lumbar
 Partial artificial disc prosthesis (flexible), lumbar
 Replacement of nuclear disc (nucleus pulposus), lumbar
 Includes: diskectomy (discectomy)
- New code 84.65 Insertion of total spinal disc prosthesis, lumbosacral
 Replacement of lumbar spinal disc, NOS
 Replacement of total spinal disc, lumbar
 Total artificial disc prosthesis (flexible), lumbar
 Includes: diskectomy (discectomy)
- New code 84.66 Revision or replacement of artificial spinal disc prosthesis,
 cervical
 Removal of (partial) (total) spinal disc prosthesis with
 synchronous insertion of new (partial) (total) spinal disc
 prosthesis, cervical
 Repair of previously inserted spinal disc prosthesis, cervical
- New code 84.67 Revision or replacement of artificial spinal disc prosthesis,
 thoracic
 Removal of (partial) (total) spinal disc prosthesis with
 synchronous insertion of new (partial) (total) spinal disc
 prosthesis, thoracic
 Repair of previously inserted spinal disc prosthesis, thoracic

New code	84.68 Revision or replacement of artificial spinal disc prosthesis, lumbosacral Removal of (partial) (total) spinal disc prosthesis with synchronous insertion of new (partial) (total) spinal disc prosthesis, lumbosacral Repair of previously inserted spinal disc prosthesis, lumbosacral
New code	84.69 Revision or replacement of artificial spinal disc prosthesis, not otherwise specified Removal of (partial) (total) spinal disc prosthesis with synchronous insertion of new (partial) (total) spinal disc prosthesis Repair of previously inserted spinal disc prosthesis
Revise code title	86.05 Incision with removal of foreign body <u>or device</u> from skin and subcutaneous tissue
Add inclusion term	<u>Removal of neurostimulator pulse generator (single array, dual array)</u>
Add inclusion term Add inclusion term	86.09 Other incision of skin and subcutaneous tissue <u>Relocation of subcutaneous device pocket NEC</u> <u>Reopening subcutaneous pocket for device revision without replacement</u>
New code	86.94 Insertion or replacement of single array neurostimulator pulse generator Pulse generator (single array, single channel) for intracranial, spinal, and peripheral neurostimulator Code also any associated lead implantation (02.93,03.93,04.92)
New code	86.95 Insertion or replacement of dual array neurostimulator pulse generator Pulse generator (dual array, dual channel) for intracranial, spinal, and peripheral neurostimulator Code also any associated lead implantation (02.93,03.93,04.92)

New code	86.96	Insertion or replacement of other neurostimulator pulse generator
		Code also any associated lead implantation (02.93,03.93,04.92)
		Excludes: insertion of dual array neurostimulator pulse generator (86.95) insertion of single array neurostimulator pulse generator (86.94)
Add inclusion term	88.7	Diagnostic ultrasound
Add exclusion term		<u>Non-invasive ultrasound</u> <u>Excludes: intravascular imaging (adjunctive) (IVUS) (00.21-00.29)</u>
Delete inclusion term	88.72	Diagnostic ultrasound of heart
Add inclusion term		Intravascular ultrasound of heart Transesophageal echocardiography
Add exclusion term		<u>Excludes:</u> <u>echocardiography of heart chambers (37.28)</u> <u>intracardiac echocardiography (ICE) (37.28)</u> <u>intravascular (IVUS) imaging of coronary vessels (00.24)</u>
Revise subcategory title	89.4	Cardiac stress tests, pacemaker <u>and defibrillator</u> checks
Add inclusion term	89.45	Artificial pacemaker rate check
Add inclusion term		<u>Bedside device check of pacemaker or cardiac resynchronization pacemaker [CRT-P]</u>
Add exclusion term		<u>Interrogation only without arrhythmia induction</u>
Add exclusion term		<u>Excludes:</u> <u>electrophysiologic studies [EPS] (37.26)</u> <u>non-invasive programmed electrical stimulation [NIPS] (arrhythmia induction) (37.26)</u>
New code	89.49	Automatic implantable cardioverter/defibrillator (AICD) check
		Bedside check of an AICD or cardiac resynchronization defibrillator [CRT-D] Checking pacing thresholds of device Interrogation only without arrhythmia induction

	Excludes:
	electrophysiologic studies [EPS] (37.26)
	non-invasive programmed electrical stimulation [NIPS] (arrhythmia induction) (37.26)
Add inclusion term	93.90 Continuous positive airway pressure [CPAP]
Add inclusion term	<u>Bi-level airway pressure</u>
	<u>Non-invasive positive pressure (NIPPV)</u>
	96.7 Other continuous mechanical ventilation
Add exclusion term	Excludes:
	<u>non-invasive positive pressure (NIPPV) (93.90)</u>
Add inclusion term	97.44 Nonoperative removal of heart assist system
Add inclusion term	<u>Explantation [removal] of circulatory assist device</u>
	<u>Explantation [removal] of percutaneous external heart</u>
	<u>assist device</u>
Add inclusion term	<u>Removal of extrinsic heart assist device</u>
Add inclusion term	<u>Removal of pVAD</u>
Add inclusion term	<u>Removal of percutaneous heart assist device</u>
New code	99.78 Aquapheresis
	Plasma water removal
	Ultrafiltration [for water removal]
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Revise subterm	brain 02.93 – <u>see Implant, neurostimulator, brain</u>
Revise subterm	intracranial 02.93 – <u>see Implant, neurostimulator, intracranial</u>
Revise subterm	peripheral nerve 04.92 – <u>see Implant, neurostimulator, peripheral nerve</u>
Revise subterm	spine 03.93 – <u>see Implant, neurostimulator, spine</u>
	heart
	assist system NEC 37.62
Revise subterm	external (pulsatile) 37.65
Add subterm	<u>extrinsic</u> 37.68
Revise subterm	implantable (pulsatile) 37.66
Delete subterm	non-pulsatile 37.62
Add subterm	<u>non-implantable</u> 37.62
Add subterm	<u>percutaneous external</u> 37.68
Add subterm	<u>pVAD</u> 37.68
Add subterm	<u>circulatory assist system</u> – <u>see Implant, heart, assist system</u>
Add subterm	<u>interbody spinal fusion device</u> 84.51
Add subterm	<u>Lap-Band™</u> 44.95
Add subterm	<u>limb lengthening device, internal (NOS)</u> 84.54
Add subterm	<u>with kinetic distraction</u> 84.53
Revise subterm	neuropacemaker – <u>see Implant, neurostimulator, by site</u>
Delete subterm	brain 02.93
Delete subterm	intracranial 02.93
Delete subterm	peripheral nerve 04.92
Delete subterm	spine 03.93
	neurostimulator
Add subterm	<u>electrodes</u>
Revise indent	<u>brain</u> 02.93

Revise indent intracranial 02.93
Revise indent peripheral nerve 04.92
Add subterm sacral nerve 04.92
Revise indent spine 03.93
Add subterm pulse generator 86.96
Add subterm dual array 86.95
Add subterm single array 86.94

pacemaker
Revise subterm brain 02.93 – see Implant, neurostimulator, brain
Revise subterm intracranial 02.93 – see Implant, neurostimulator, intracranial
Revise subterm neural – see Implant, neurostimulator, by site
Delete subterm ~~brain 02.93~~
Delete subterm ~~intracranial 02.93~~
Delete subterm ~~peripheral nerve 04.92~~
Delete subterm ~~spine 03.93~~
Revise subterm peripheral nerve 04.92 – see Implant, neurostimulator, peripheral nerve
Revise subterm spine 03.93 – see Implant, neurostimulator, spine

Revise subterm stimoceiver – see Implant, neurostimulator, by site
Delete subterm ~~brain 02.93~~
Delete subterm ~~intracranial 02.93~~
Delete subterm ~~peripheral nerve 04.92~~
Delete subterm ~~spine 03.93~~

Add subterm Tandem™ heart 37.68

Infusion (intra-arterial) (intravenous)
Add subterm vasopressor 00.17

Insertion
Add subterm band (adjustable)
Add subterm gastric, laparoscopic 44.95
Add subterm Lap-Band™ 44.95

Add subterm bone void filler 84.55
Add subterm that with kyphoplasty 81.66
Add subterm that with vertebroplasty 81.65

Add subterm carotid artery stent(s)(stent graft) (00.63)

	coronary (artery)
Delete subterm	<u>stent(s) (stent graft) 36.06</u>
Add subterm	<u>stent, drug-eluting 36.07</u>
Add subterm	<u>stent, non-drug-eluting 36.06</u>
Revise subterm	device, vascular access 86.07
Add subterm	<u>adjustable gastric band and port 44.95</u>
Add subterm	<u>Lap-Band™ 44.95</u>
Add subterm	<u>left atrial appendage 37.90</u>
Add subterm	<u>left atrial filter 37.90</u>
Add subterm	<u>left atrial occluder 37.90</u>
Add subterm	<u>vascular access 86.07</u>
Add subterm	electrode(s)
	<u>sacral nerve 04.92</u>
Add subterm	heart
Add subterm	<u>assist system – see Implant, heart assist system</u>
Add subterm	<u>circulatory assist system - see Implant, heart assist system</u>
Add subterm	<u>interbody spinal fusion device 84.51</u>
Add subterm	<u>Lap-Band™ 44.95</u>
Revise subterm	leads (cardiac) – see Insertion, electrode(s), heart
Add subterm	<u>limb lengthening device, internal, NOS 84.54</u>
Add subterm	<u>with kinetic distraction 84.53</u>
Revise subterm	neuropacemaker – see Implant, neuropacemaker <u>neurostimulator</u> , by site
Revise subterm	non-coronary vessel
Add subterm	stent(s) (stent graft) 39.90
Add subterm	<u>basilar 00.64</u>
Add subterm	<u>carotid 00.63</u>
Add subterm	<u>extracranial 00.64</u>
Add subterm	<u>intracranial 00.65</u>
Add subterm	<u>peripheral 39.90</u>
Add subterm	<u>bare, drug-coated 39.90</u>
Add subterm	<u>drug-eluting 00.55</u>

Add subterm vertebral 00.64

pacemaker

Revise subterm brain 02.93 – see Implant, neurostimulator, brain

Revise subterm intracranial 02.93 – see Implant, neurostimulator, intracranial

Revise subterm neural – see Implant, neurostimulator, by site

Delete subterm ~~brain 02.93~~

Delete subterm ~~intracranial 02.93~~

Delete subterm ~~peripheral nerve 04.92~~

Delete subterm ~~spine 03.93~~

Revise subterm peripheral nerve 04.92 – see Implant, neurostimulator, peripheral nerve

Revise subterm spine 03.93 – see Implant, neurostimulator, spine

Add subterm palatal implant 27.64

prosthesis, prosthetic device

Add subterm spine

Add subterm artificial disc, NOS 84.60

Add subterm cervical 84.62

Add subterm nucleus 84.61

Add subterm partial 84.61

Add subterm total 84.62

Add subterm lumbar, lumbosacral 84.65

Add subterm nucleus 84.64

Add subterm partial 84.64

Add subterm total 84.65

Add subterm thoracic (partial)(total) 84.63

Add subterm other device 84.59

spine

Add subterm bone void filler

Add subterm that with kyphoplasty 81.66

Add subterm that with vertebroplasty 81.65

Add subterm interbody spinal fusion device 84.51

stent(s)(stent graft)

Revise subterm artery (bare)(bonded)(drug coated)(non-drug-eluting) 39.90

Add subterm basilar 00.64

Add subterm carotid 00.63

Add subterm cerebrovascular

Add subterm cerebral (intracranial) 00.65

Add subterm precerebral (extracranial) 00.64

Add subterm carotid 00.63

Add subterm extracranial 00.64

Add subterm carotid 00.63

Add subterm	<u>intracranial 00.65</u>
Revise subterm	non-coronary vessel 39.90
Add subterm	<u>basilar 00.64</u>
Add subterm	<u>carotid 00.63</u>
Delete subterm	drug-eluting 00.55
Add subterm	<u>extracranial 00.64</u>
Add subterm	<u>intracranial 00.65</u>
Add subterm	<u>peripheral 39.90</u>
Add subterm	<u>bare, drug-coated 39.90</u>
Add subterm	<u>drug-eluting 00.55</u>
Add subterm	<u>vertebral 00.64</u>
Revise subterm	coronary (artery) <u>(bare) (bonded) (drug-coated) (non-drug-eluting)</u> 36.06
Add subterm	<u>drug-eluting 36.07</u>
Revise subterm	non-coronary vessel 39.90
Add subterm	<u>basilar 00.64</u>
Add subterm	<u>carotid 00.63</u>
Add subterm	<u>extracranial 00.64</u>
Add subterm	<u>intracranial 00.65</u>
Add subterm	<u>peripheral 39.90</u>
Add subterm	<u>bare, drug-coated 39.90</u>
Add subterm	<u>drug-eluting 00.55</u>
Add subterm	<u>vertebral 00.64</u>
Revise subterm	peripheral vessel—see non-coronary vessel <u>39.90</u>
Add subterm	<u>bare, drug-coated 39.90</u>
Add subterm	<u>drug-eluting 00.55</u>
Add subterm	<u>precerebral 00.64</u>
Add subterm	<u>subclavian 39.90</u>
Add subterm	<u>bare, drug-coated 39.90</u>
Add subterm	<u>drug-eluting 00.55</u>
Add subterm	<u>vertebral 00.64</u>
Revise subterm	stimoeceiver – see Implant, stimoeceiver , <u>neurostimulator</u> , by site
Add subterm	<u>Tandem™ heart 37.68</u>
New term	<u>Interrogation</u>
Add subterm	<u>cardioverter-defibrillator, automatic (AICD)</u>
Add subterm	<u>with NIPS (arrhythmia induction) 37.26</u>
Add subterm	<u>interrogation only (bedside device check) 89.49</u>
Add subterm	<u>CRT-D (cardiac resynchronization defibrillator)</u>
Add subterm	<u>with NIPS (arrhythmia induction) 37.26</u>

Add subterm interrogation only (bedside device check) 89.49
Add subterm CRT-P (cardiac resynchronization pacemaker)
Add subterm with NIPS (arrhythmia induction) 37.26
Add subterm interrogation only (bedside device check) 89.45
Add subterm pacemaker
Add subterm with NIPS (arrhythmia induction) 37.26
Add subterm interrogation only (bedside device check) 89.45

Invagination, diverticulum

gastric 44.69
Add subterm laparoscopic 44.68
stomach 44.69
Add subterm laparoscopic 44.68

Inversion

diverticulum
gastric 44.69
Add subterm laparoscopic 44.68
stomach 44.69
Add subterm laparoscopic 44.68

Jaboulay operation (gastroduodenostomy) 44.39

Add subterm laparoscopic 44.38

Change code Kyphoplasty ~~78.49~~ 81.66

Monitoring

fetus (fetal heart)
antepartum
Change code nonstress (fetal activity acceleration determinations) ~~75.35-4~~

Nissen operation (fundoplication of stomach) 44.66

Add subterm laparoscopic 44.67

Operation

Jaboulay (gastroduodenostomy) 44.39
Add subterm laparoscopic 44.38

Nissen (fundoplication of stomach) 44.66

Add subterm laparoscopic 44.67

Add subterm pyloric exclusion 44.39
laparoscopic 44.38

Add subterm Roux-en-Y
gastroenterostomy 44.39
laparoscopic 44.38
gastrojejunostomy 44.39
Add subterm laparoscopic 44.38

Add subterm Plication
stomach 44.69
laparoscopic 44.68

Add term Pressurized
Add subterm graft treatment 00.16

Add term pVAD (percutaneous ventricular assist device) 37.68

Add subterm Radiography (diagnostic) NEC 88.39
computer assisted surgery (CAS) with fluoroscopy 00.33

Add subterm Relocation – *see also* Revision
subcutaneous device pocket NEC 86.09

Add subterm Removal – *see also* Excision
electrodes
sacral nerve 04.93

Revise subterm electronic
stimulator – *see* Removal, neurostimulator, by site
Delete subterm ~~brain 01.22~~
Delete subterm ~~with synchronous replacement 02.93~~
Delete subterm ~~intracranial 01.22~~
Delete subterm ~~with synchronous replacement 02.93~~
Delete subterm ~~peripheral nerve 04.93~~
Delete subterm ~~with synchronous replacement 04.92~~
Delete subterm ~~spinal 03.94~~
Delete subterm ~~with synchronous replacement 03.93~~

Add subterm gastric band (adjustable), laparoscopic 44.97

Revise subterm	heart assist system <u>37.64</u>
Add subterm	<u>open removal 37.64</u>
Add subterm	<u>percutaneous external device 97.44</u>
Add subterm	<u>limb lengthening device, internal – see category 78.6</u>
Revise subterm	neuropacemaker – <u>see Removal, neurostimulator, by site</u>
Delete subterm	brain 01.22
Delete subterm	with synchronous replacement 02.93
Delete subterm	intracranial 01.22
Delete subterm	with synchronous replacement 02.93
Delete subterm	peripheral nerve 04.93
Delete subterm	with synchronous replacement 04.92
Delete subterm	spinal 03.94
Delete subterm	with synchronous replacement 03.93
	neurostimulator
Add subterm	<u>electrodes</u>
Revise indent	<u>brain 01.22</u>
Revise indent	<u>with synchronous replacement 02.93</u>
Revise indent	<u>intracranial 01.22</u>
Revise indent	<u>with synchronous replacement 02.93</u>
Revise indent	<u>peripheral nerve 04.93</u>
Revise indent	<u>with synchronous replacement 04.92</u>
Add subterm	<u>sacral nerve 04.93</u>
Add subterm	<u>with synchronous replacement 04.92</u>
Revise indent	<u>spinal 03.94</u>
Revise indent	<u>with synchronous replacement 03.93</u>
Add subterm	<u>pulse generator (single array, dual array) 86.05</u>
Add subterm	<u>with synchronous replacement 86.96</u>
Add subterm	<u>dual array 86.95</u>
Add subterm	<u>single array 86.94</u>
	pacemaker
Revise subterm	brain (intracranial)–01.22 – see Removal, neurostimulator
Delete subterm	with synchronous replacement 02.93
Revise subterm	intracranial 01.22 – see Removal, neurostimulator
Delete subterm	with synchronous replacement 02.93
Revise subterm	neural – see Removal, neurostimulator
Delete subterm	brain 01.22
Delete subterm	with synchronous replacement 02.93
Delete subterm	peripheral nerve 04.93

Delete subterm	with synchronous replacement 04.92
Delete subterm	spine 03.94
Delete subterm	with synchronous replacement 03.93
Add subterm	<u>peripheral nerve - see Removal, neurostimulator</u>
Revise subterm	spine 03.94 – <u>see Removal, neurostimulator</u>
Delete subterm	with synchronous replacement 03.93
	pulse generator
Add subterm	<u>neurostimulator – see Removal, neurostimulator, pulse generator</u>
Revise subterm	stimoceiver (brain) (intracranial) 01.22 – <u>see Removal, neurostimulator</u>
Delete subterm	with synchronous replacement 02.93
	Renotransplantation NEC 55.69
Add note	Note: <u>To report donor source:</u> <u>cadaver 00.93</u> <u>live non-related donor 00.92</u> <u>live related donor 00.91</u> <u>live unrelated donor 00.92</u>
	Repair
	artery NEC 39.59
	by
Revise subterm	endovascular approach 39.79
Revise subterm	head and neck (<u>embolization or occlusion</u>) 39.72
Add subterm	<u>other repair (of aneurysm) 39.79</u>
Add subterm	<u>percutaneous repair of intracranial vessel(s) (for stent insertion)</u> <u>00.62</u>
Add subterm	<u>percutaneous repair of precerebral (extracranial) vessel(s) (for</u> <u>stent insertion) 00.61</u>
	non-coronary percutaneous transluminal angioplasty or atherectomy
Revise subterm	basilar 39.50 <u>00.61</u>
Revise subterm	carotid 39.50 <u>00.61</u>
Delete subterm	head and neck NOS 39.50
Revise subterm	vertebral 39.50 <u>00.61</u>
	stoma
	stomach 44.69
Add subterm	<u>laparoscopic 44.68</u>
	stomach NEC 44.69
Add subterm	<u>laparoscopic 44.68</u>
	vein NEC 39.59

	by
Revise subterm	endovascular approach <u>39.79</u>
Revise subterm	head and neck (<u>embolization or occlusion</u>) <u>39.72</u>
	Replacement
Add subterm	<u>disc - see Replacement, intervertebral disc</u>
	electrode(s) - <u>see Implant, electrode or lead by site or name of device</u>
Add subterm	<u>intracranial 02.93</u>
Add subterm	<u>pacemaker – see Replacement, pacemaker, electrode(s)</u>
Add subterm	<u>peripheral nerve 04.92</u>
Add subterm	<u>sacral nerve 04.92</u>
Add subterm	<u>spine 03.93</u>
	electronic
Revise subterm	leads (electrode)(s) - <u>see Replacement, pacemaker, electrode(s), cardiac</u>
Add subterm	<u>gastric band, laparoscopic 44.96</u>
Add subterm	<u>gastric port device (subcutaneous) 44.96</u>
Add subterm	<u>intervertebral disc</u>
Add subterm	<u>artificial, NOS 84.60</u>
Add subterm	<u>cervical 84.62</u>
Add subterm	<u>nucleus 84.61</u>
Add subterm	<u>partial 84.61</u>
Add subterm	<u>total 84.62</u>
Add subterm	<u>lumbar, lumbosacral 84.65</u>
Add subterm	<u>nucleus 84.64</u>
Add subterm	<u>partial 84.64</u>
Add subterm	<u>total 84.65</u>
Add subterm	<u>thoracic (partial) (total) 84.63</u>
Revise subterm	leads (electrode)(s) - <u>see Replacement, pacemaker, electrode(s), cardiac</u>
Revise subterm	neuropacemaker – <u>see Implant, neuropacemaker <u>neurostimulator</u>, by site</u>
Revise subterm	neurostimulator – <u>see also Implant, neurostimulator, by site</u>
Delete subterm	peripheral nerve 04.92
	pacemaker
Revise subterm	brain 02.93 – <u>see Implant, neurostimulator, brain</u>
Revise subterm	intracranial 02.93 – <u>see Implant, neurostimulator, intracranial</u>
Revise subterm	neural – <u>see Implant, neurostimulator, by site</u>
Delete subterm	brain 02.93
Delete subterm	intracranial 02.93
Delete subterm	peripheral nerve 04.92
Delete subterm	spine 03.93
Add subterm	<u>peripheral nerve – see Implant, neurostimulator, peripheral nerve</u>
Add subterm	<u>sacral nerve – see Implant, neurostimulator, sacral nerve</u>

Revise subterm spine ~~03.93~~ – see Implant, neurostimulator, spine

Reposition

Add subterm neurostimulator
Add subterm leads
Add subterm subcutaneous, without device replacement 86.09
Add subterm within brain 02.93
Add subterm within or over peripheral nerve 04.92
Add subterm within or over sacral nerve 04.92
Add subterm within spine 03.93
Add subterm pulse generator
Add subterm subcutaneous, without device replacement 86.09
Add subterm subcutaneous device pocket NEC 86.09

Restoration

Add subterm cardioesophageal angle 44.66
laparoscopic 44.67

Restrictive

Add term gastric band, laparoscopic 44.95
Add subterm

Revision

Add subterm disc-see Revision, intervertebral disc
Add subterm gastric band, laparoscopic 44.96
Add subterm gastric port device
Add subterm laparoscopic 44.96
gastrostomy 44.69
Add subterm laparoscopic 44.68

Add subterm intervertebral disc, artificial (partial) (total) NOS 84.69
Add subterm cervical 84.66
Add subterm lumbar, lumbosacral 84.68
Add subterm thoracic 84.67

pocket

Add subterm subcutaneous device pocket NEC
Add subterm with initial insertion of generator or device – omit code
Add subterm new site 86.09

stoma
 stomach 44.69
 Add subterm laparoscopic 44.68

Roux-en-Y operation
 gastroenterostomy 44.39
 Add subterm laparoscopic 44.38
 gastrojejunostomy 44.39
 Add subterm laparoscopic 44.38

Scan, scanning
 C.A.T. (computerized axial tomography) 88.38
 Add subterm with computer assisted surgery (CAS) 00.31

Add term Surgery
 Add subterm computer assisted (CAS) 00.39
 Add subterm CAS with CT/CTA 00.31
 Add subterm CAS with fluoroscopy 00.33
 Add subterm CAS with MR/MRA 00.32
 Add subterm CAS with multiple datasets 00.35
 Add subterm imageless 00.34
 Add subterm other CAS 00.39
 Add subterm IGS – see Surgery, computer assisted
 Add subterm image guided – see Surgery, computer assisted
 Add subterm navigation (CT-free, IGN image guided, imageless)- see Surgery, computer assisted

Therapy
 respiratory NEC 93.99
 Add subterm non-invasive positive pressure (NIPPV) 93.90

Transplant, transplantation
 Add note Note: To report donor source:
cadaver 00.93
live non-related donor 00.92
live related donor 00.91
live unrelated donor 00.92

Add term	<u>Ultrafiltration 99.78</u>
Add subterm	<u>hemodiafiltration 39.95</u>
Add subterm	<u>hemodialysis (kidney) 39.95</u>
Add subterm	<u>removal, plasma water 99.78</u>
Add subterm	<u>therapeutic plasmapheresis 99.71</u>
	Ultrasonography
Revise subterm	heart (intravascular) 88.72
Add subterm	<u>intravascular – see Ultrasound, intravascular (IVUS)</u>
	Ultrasound
Revise subterm	heart (intravascular) 88.72
Add subterm	<u>intracardiac (heart chambers) (ICE) 37.28</u>
Add subterm	<u>intravascular (coronary vessels)(IVUS) 00.24</u>
Add subterm	<u>non-invasive 88.72</u>
Add subterm	<u>intravascular (IVUS) 00.29</u>
Add subterm	<u>aorta 00.22</u>
Add subterm	<u>aortic arch 00.22</u>
Add subterm	<u>cerebral vessel, extracranial 00.21</u>
Add subterm	<u>coronary vessel 00.24</u>
Add subterm	<u>intrathoracic vessel 00.22</u>
Add subterm	<u>other specified vessel 00.28</u>
Add subterm	<u>peripheral vessel 00.23</u>
Add subterm	<u>renal vessel 00.25</u>
Add subterm	<u>vena cava (inferior) (superior) 00.22</u>
Add term	<u>VAD (vascular access device) – see Implant, heart assist system</u>
	Ventilation
Add subterm	<u>non-invasive positive pressure (NIPPV) 93.90</u>
Change code	<u>Vertebroplasty (percutaneous) 78.49–81.65</u>