FY 2006 Final Addenda
ICD-9-CM Volume 3, Procedures
Effective October 1, 2005

Tabular List

00.02  Therapeutic ultrasound of heart
    Excludes:
    ultrasonic angioplasty of coronary vessels (36.01, 36.02, 36.05, 00.66, 36.09)

Revise exclusion term

New Code 00.18  Infusion of immunosuppressive antibody therapy during
    induction phase of solid organ transplantation
    monoclonal antibody therapy
    polyclonal antibody therapy

Add inclusion term
    Intravascular [ultrasound] imaging of blood vessels

Add Note
    Note: real-time imaging of lumen of blood vessel(s) using sound waves

    Excludes:
    adjunct vascular system procedures, number of vessels treated (00.40–00.43)
    diagnostic procedures on blood vessels (38.21 – 38.29)
    diagnostic ultrasound of peripheral vascular system (88.77)
    magnetic resonance imaging (MRI) (88.91-88.97)

New subcategory

00.4  Adjunct Vascular System Procedures
    Note: These codes can apply to both coronary and peripheral vessels. These codes
    are to be used in conjunction with other therapeutic procedure codes to provide
    additional information on the number of vessels upon which a procedure was
    performed and/or the number of stents inserted. As appropriate, code both the
    number of vessels operated on (00.40-00.43), and the number of stents inserted
    (00.45-00.48).

Code also any:
    angioplasty or atherectomy (00.61- 00.62, 00.66, 39.50)
    endarterectomy (38.10 – 38.18)
    insertion of vascular stent(s) (00.55, 00.63-00.65, 36.06 -36.07, 39.90)
    other removal of coronary artery obstruction (36.09)
New code 00.40 Procedure on single vessel
Number of vessels, unspecified
Excludes: (aorto)coronary bypass (36.10 – 36.19)
intravascular imaging of blood vessels (00.21-00.29)

New code 00.41 Procedure on two vessels
Excludes: (aorto)coronary bypass (36.10 – 36.19)
intravascular imaging of blood vessels (00.21-00.29)

New code 00.42 Procedure on three vessels
Excludes: (aorto)coronary bypass (36.10 – 36.19)
intravascular imaging of blood vessels (00.21-00.29)

New code 00.43 Procedure on four or more vessels
Excludes: (aorto)coronary bypass (36.10 – 36.19)
intravascular imaging of blood vessels (00.21-00.29)

New code 00.45 Insertion of one vascular stent
Number of stents, unspecified

New code 00.46 Insertion of two vascular stents

New code 00.47 Insertion of three vascular stents

New code 00.48 Insertion of four or more vascular stents

00.50 Implantation of cardiac resynchronization pacemaker
without mention of defibrillation, total system [CRT-P]

Add inclusion term That with CRT-P generator and one or more leads

00.51 Implantation of cardiac resynchronization defibrillator,
total system [CRT-D]

Add inclusion term That with CRT-D generator and one or more leads

00.55 Insertion of drug-eluting peripheral vessel stent(s)
Revise code also note Code also any: any angioplasty or atherectomy of other non-coronary
vessel(s) (39.50)
Add code also note angioplasty or atherectomy of other non-coronary
vessels(s) (39.50)
Add code also note number of vascular stents inserted (00.45 – 00.48)
Add code also note number of vessels treated (00.40 – 00.43)
00.6 Procedures on blood vessels

Delete exclusion term

**Excludes:**
- angioplasty or atherectomy of other non-coronary vessel(s) (39.50)
- insertion of coronary artery stent(s) (36.06-36.07)
- insertion of drug-eluting peripheral vessel stent(s) (00.55)
- insertion of non-drug-eluting peripheral vessel stent(s) (39.90)

00.61 Percutaneous angioplasty or atherectomy of precerebral (extracranial) vessel(s)

Code also any:

Add code also note number of vascular stents inserted (00.45 – 00.48)
Add code also note number of vessels treated (00.40 – 00.43)

00.62 Percutaneous angioplasty or atherectomy of intracranial vessel(s)

Code also any:

Add code also note number of vascular stents inserted (00.45 – 00.48)
Add code also note number of vessels treated (00.40 – 00.43)

00.63 Percutaneous insertion of carotid artery stent(s)

Revise code also note Code also any: percutaneous angioplasty or atherectomy of precerebral vessel(s) (00.61)

Add code also note number of vascular stents inserted (00.45 – 00.48)
Add code also note number of vessels treated (00.40 – 00.43)
Add code also note percutaneous angioplasty or atherectomy of precerebral vessel(s) (00.61)

Add exclusion term

**Excludes:**
- angioplasty or atherectomy of other non-coronary vessel(s) (39.50)
- insertion of drug-eluting peripheral vessel stent(s) (00.55)

00.64 Percutaneous insertion of other precerebral (extracranial) artery stent(s)

Revise code also note Code also any: percutaneous angioplasty or atherectomy of precerebral vessel(s) (00.61)

Add code also note number of vascular stents inserted (00.45 – 00.48)
Add code also note number of vessels treated (00.40 – 00.43)
Add code also note percutaneous angioplasty or atherectomy of precerebral vessel(s) (00.61)
Add exclusion term

Excludes:

angioplasty or atherectomy of other non-coronary vessel(s) (39.50)
insertion of drug-eluting peripheral vessel stent(s) (00.55)

00.65 Percutaneous insertion of intracranial vascular stent(s)

Revise code also note Code also any: percutaneous angioplasty or atherectomy of intracranial vessel(s) (00.62)

Add code also note number of vascular stents inserted (00.45 – 00.48)
Add code also note number of vessels treated (00.40 – 00.43)
Add code also note percutaneous angioplasty or atherectomy of intracranial vessel(s) (00.62)

Excludes:

Add exclusion term angioplasty or atherectomy of other non-coronary vessel(s) (39.50)
Add exclusion term insertion of drug-eluting peripheral vessel stent(s) (00.55)

New code 00.66 Percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy
Balloon angioplasty of coronary artery
Coronary atherectomy
Percutaneous coronary angioplasty NOS
PTCA NOS

Code also any:

injection or infusion of thrombolytic agent (99.10)
insertion of coronary artery stent(s) (36.06- 36.07)
intracoronary artery thrombolytic infusion (36.04)
number of vascular stents inserted (00.45 - 00.48)
number of vessels treated (00.40 – 00.43)

New subcategory 00.7 Other hip procedures

New code 00.70 Revision of hip replacement, both acetabular and femoral components
Total hip revision

Code also any:

removal of (cement) (joint) spacer (84.57)
type of bearing surface, if known (00.74 – 00.76)

Excludes:

revision of hip replacement, acetabular component only (00.71)
revision of hip replacement, femoral component only (00.72)
revision of hip replacement, Not Otherwise Specified (81.53)
revision with replacement of acetabular liner and/or femoral head only (00.73)
**New code 00.71** Revision of hip replacement, acetabular component
  Partial, acetabular component only
  That with:
    exchange of acetabular cup and liner
    exchange of femoral head

  Code also any type of bearing surface, if known (00.74 – 00.76)

  Excludes:
  revision of hip replacement, both acetabular and femoral components (00.70)
  revision of hip replacement, femoral component (00.72)
  revision of hip replacement, Not Otherwise Specified (81.53)
  revision with replacement of acetabular liner and/or femoral head only (00.73)

**New code 00.72** Revision of hip replacement, femoral component
  Partial, femoral component only
  That with:
    exchange of acetabular liner
    exchange of femoral stem and head

  Code also any type of bearing surface, if known (00.74 - 00.76)

  Excludes:
  revision of hip replacement, acetabular component (00.71)
  revision of hip replacement, both acetabular and femoral components (00.70)
  revision of hip replacement, not otherwise specified (81.53)
  revision with replacement of acetabular liner and/or femoral head only (00.73)

**New code 00.73** Revision of hip replacement, acetabular liner and/or femoral head only
  Code also any type of bearing surface, if known (00.74 – 00.76)

**New code 00.74** Hip replacement bearing surface, metal on polyethylene

**New code 00.75** Hip replacement bearing surface, metal-on-metal

**New code 00.76** Hip replacement bearing surface, ceramic-on-ceramic
New subcategory 00.8 Other knee procedures
Note: Report up to two components using 00.81 – 00.83 to describe revision of knee replacements. If all three components are revised, report 00.80.

New code 00.80 Revision of knee replacement, total (all components)
Replacement of femoral, tibial, and patellar components (all components)
Code also any removal of (cement) (joint) spacer (84.57)
Excludes:
revision of only one or two components (tibial, femoral or patellar component) (00.81 – 00.84)

New code 00.81 Revision of knee replacement, tibial component
Replacement of tibial baseplate and tibial insert (liner)
Excludes:
revision of knee replacement, total (all components) (00.80)

New code 00.82 Revision of knee replacement, femoral component
That with replacement of tibial insert (liner)
Excludes:
revision of knee replacement, total (all components) (00.80)

New code 00.83 Revision of knee replacement, patellar component
Excludes:
revision of knee replacement, total (all components) (00.80)

New code 00.84 Revision of total knee replacement, tibial insert (liner)
Replacement of tibial insert (liner)
Excludes:
that with replacement of tibial component (tibial baseplate and liner) (00.81)

New code 01.26 Insertion of catheter into cranial cavity
Code also any concomitant procedure (e.g. resection (01.59))

New code 01.27 Removal of catheter from cranial cavity

Revise code 03.53 Repair of vertebral fracture
Excludes: kyphoplasty (78.49) (81.66)
Excludes: vertebroplasty (78.49) (81.65)
36 Operations on vessels of heart

Revise code also note Code also any:
Add code also note any injection or infusion of platelet inhibitor (99.20)
Add code also note injection or infusion of thrombolytic agent (99.10)

Delete code 36.01 Single vessel percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy without mention of thrombolytic agent
Delete inclusion term Balloon angioplasty of coronary artery
Delete inclusion term Coronary atherectomy
Delete inclusion term Percutaneous coronary angioplasty NOS
Delete inclusion term PTCA-NOS
Delete code also note Code also any insertion of coronary stent(s) (36.06)
Delete exclusion term Excludes: multiple vessel percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy performed during the same operation (36.05)

Delete code 36.02 Single vessel percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy with mention of thrombolytic agent
Delete inclusion term Balloon angioplasty of coronary artery with infusion of thrombolytic agent [streptokinase]
Delete inclusion term Coronary atherectomy
Delete exclusion term Excludes: multiple vessel percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy performed during the same operation (36.05)
Delete exclusion term single vessel PTCA or coronary atherectomy without mention of thrombolytic agent (36.01)
Delete code also note Code also any insertion of coronary stent(s) (36.06)

36.03 Open chest coronary artery angioplasty
Revise code also note Code also any: insertion of coronary stent(s) (36.06)
Add code also note insertion of drug-eluting coronary stent(s) (36.07)
Add code also note insertion of non-drug-eluting coronary stent(s) (36.06)
Add code also note number of vascular stents inserted (00.45 – 00.48)
Add code also note number of vessels treated (00.40 – 00.43)

36.04 Intracoronary artery thrombolytic infusion
Excludes:
Revise exclusion term that associated with any procedure in 36.02, 00.66. 36.03
Delete code  36.05  Multiple vessel percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy performed during the same operation, with or without mention of thrombolytic agent

Delete inclusion term  Balloon angioplasty of multiple coronary arteries
Delete inclusion term  Coronary atherectomy
Delete code also note  Code also any:
Delete code also note  intracoronary artery thrombolytic infusion (36.04)
Delete code also note  insertion of coronary stent(s) (36.06)
Delete exclusion term  Excludes: single vessel PTCA or coronary atherectomy without mention of thrombolytic agent (36.01)
Delete exclusion term  with mention of thrombolytic agent (36.02)

36.06  Insertion of non-drug-eluting coronary artery stent(s)
Code also any:
Add code also note  number of vascular stents inserted (00.45 – 00.48)
Add code also note  number of vessels treated (00.40 – 00.43)
Revise code also note  percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy (36.01, 36.02, 36.05, 00.66)

36.07  Insertion of drug-eluting coronary artery stent(s)
Code also any:
Add code also note  number of vascular stents inserted (00.45 – 00.48)
Add code also note  number of vessels treated (00.40 – 00.43)
Revise code also note  percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy (36.01, 36.02, 36.05, 00.66)

36.09  Other removal of coronary artery obstruction
Code also any:
Add code also note  number of vascular stents inserted (00.45 – 00.48)
Add code also note  number of vessels treated (00.40 – 00.43)

Excludes:
Revise exclusion term  that by percutaneous transluminal coronary angioplasty [PTCA] or coronary atherectomy (36.01, 36.02, 36.05, 00.66)

36.1  Bypass anastomosis for heart revascularization
Add note  Note: Do not assign codes from series 00.40 – 00.43 with codes from series 36.10-36.19

New category  37.4  Repair of heart and pericardium
New code 37.41  Implantation of prosthetic cardiac support device around the heart
Cardiac support device (CSD)
Epicardial support device
Fabric (textile) (mesh) device
Ventricular support device on surface of heart
Code also any:
cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] if performed (39.61)
mitral valve repair (35.02, 35.12)
mitral valve replacement (35.23 -35.24)
transesophageal echocardiography (88.72)
Excludes: circulatory assist systems (37.61 – 37.68)

New code 37.49  Other repair of heart and pericardium

37.6 Implantation of heart and circulatory assist system
Add exclusion term  Excludes: implantation of prosthetic cardiac support system (37.41)

Revise code title 37.7 Insertion, revision, replacement, and removal of pacemaker leads; insertion of temporary pacemaker system; or revision of cardiac device pocket

Revise code title 37.79 Revision or relocation of pacemaker cardiac device pocket
Add inclusion term  Revision or relocation of pacemaker, defibrillator, or other implanted cardiac device pocket

37.99 Other
Excludes:
Add exclusion term  implantation of prosthetic cardiac support device (37.41)

38.1 Endarterectomy
Add code also note  Code also any:
Add code also note  number of vascular stents inserted (00.45 – 00.48)
Add code also note  number of vessels treated (00.40 – 00.43)

38.2 Diagnostic procedures on blood vessels
Add exclusion term  Excludes:
adjunct vascular system procedures (00.40 – 00.43)
39.50 Angioplasty or atherectomy of other non-coronary vessel(s)
   Code also any:
   Add code also note  number of vascular stents inserted (00.45 – 00.48)
   Add code also note  number of vessels treated (00.40 – 00.43)
   Delete code also note  percutaneous insertion of carotid artery stent(s) (00.63)

New code  39.73 Endovascular implantation of graft in thoracic aorta
   Endograft(s)
   Endovascular graft(s)
   Endovascular repair of defect of thoracic aorta with graft(s) or device(s)
   Stent graft(s) or device(s)
   That for repair of aneurysm, dissection, or injury
   Excludes: fenestration of dissecting aneurysm of thoracic aorta (39.54)

39.79 Other endovascular repair (of aneurysm) of other vessels
   Excludes:
   Add exclusion term  endovascular implantation of graft in thoracic aorta (39.73)

39.90 Insertion of non-drug-eluting peripheral vessel stent(s)
   Code also any:
   Add code also note  number of vascular stents inserted (00.45 – 00.48)
   Add code also note  number of vessels treated (00.40 – 00.43)

77.8 Other partial ostectomy
   Excludes:
   Revise exclusion term  excision of head of femur with synchronous replacement (00.70-00.73, 81.51-81.53)

Revise title  78.1 Application of external fixator fixation device
   Revise inclusion term  Minifixator with insertion of pins/wires/screws into bone
   Add code also note  Code also any type of fixator device, if known (84.71-84.73)

79 Reduction of fracture and dislocation
   Code also any:
   Revise code also note  application of external fixator fixation device (78.10-78.19)
   Add code also note  type of fixator device, if known (84.71-84.73)
80.0 Arthrotomy for removal of prosthesis
Delete inclusion term
Includes: Cement spacer
Add code also note
Code also any:
Add code also note
insertion of (cement)(joint) spacer (84.56)
Add code also note
removal of (cement)(joint) spacer (84.57)

81.0 Spinal fusion
Delete code also note
Code also any 360 degree spinal fusion by a single incision (81.61)

81.06 Lumbar and lumbosacral fusion, anterior technique
Add inclusion term
Anterior lumbar interbody fusion (ALIF)

81.08 Lumbar and lumbosacral fusion, posterior technique
Add inclusion term
Posterior lumbar interbody fusion (PLIF)
Add inclusion term
Transforaminal lumbar interbody fusion (TLIF)

Revise category title 81.1 Arthrodesis and arthroereisis of foot and ankle

81.13 Subtalar fusion
Add exclusion term
Excludes: arthroereisis (81.18)

New code 81.18 Subtalar joint arthroereisis

81.3 Refusion of spine
Delete code also note
Code also any 360 degree spinal refusion by a single incision (81.61)

81.36 Refusion of lumbar and lumbosacral spine, anterior technique
Add inclusion term
Anterior lumbar interbody fusion (ALIF)

81.38 Refusion of lumbar and lumbosacral spine, posterior technique
Add inclusion term
Posterior lumbar interbody fusion (PLIF)
Add inclusion term
Transforaminal lumbar interbody fusion (TLIF)

81.51 Total hip replacement
Add code also note
Code also any type of bearing surface, if known (00.74 – 00.76)
Partial hip replacement

Add code also note: Code also any type of bearing surface, if known (00.74 – 00.76)

Revise code title

Revision of hip replacement, not otherwise specified

Delete inclusion term: Partial
Delete inclusion term: Total
Add inclusion term: Revision of hip replacement, not specified as to components(s) replaced, (acetabular, femoral or both)
Add code also note: Code also any:
Add code also note: removal of (cement)(joint) spacer (84.57)
Add code also note: type of bearing surface, if known (00.74 – 00.76)
Add exclusion term: Excludes:
revision of hip replacement, components specified (00.70-00.73)

Revise code title

Revision of knee replacement, not otherwise specified

Add code also note: Code also any removal of (cement) spacer (84.57)
Excludes:
revision of knee replacement, components specified (00.80-00.84)

Delete code

360 degree spinal fusion, single incision approach
That by a single incision but fusing or refusing both anterior and posterior spine
Code also refusion of spine (81.30 – 81.39)
Code also spinal fusion (81.00 – 81.08)

New code

Insertion of (cement) spacer
Insertion of joint spacer

New code

Removal of (cement) spacer
Removal of joint spacer

New code

Implantation of interspinous process decompression device
Excludes: fusion of spine (81.00-81.08, 81.30-81.39)

New subcategory

Adjunct codes for external fixator devices
Code also any primary procedure performed:
application of external fixator device (78.10, 78.12-78.13, 78.15, 78.17-78.19)
reduction of fracture and dislocation (79.00-79.89)
New code  84.71 Application of external fixator device, monoplanar system
Excludes:
  other hybrid device or system (84.73)
  ring device or system (84.72)

New code  84.72 Application of external fixator device, ring system
  Ilizarov type
  Sheffield type
Excludes:
  monoplanar device or system (84.71)
  other hybrid device or system (84.73)

New Code  84.73 Application of hybrid external fixator device
Hybrid system using both ring and monoplanar devices
Excludes:
  monoplanar device or system, when used alone (84.71)
  ring device or system, when used alone (84.72)

86.09 Other incision of skin and subcutaneous tissue
Delete inclusion term  Creation of loop recorder pocket, new site and
insertion/relocation of device
Delete inclusion term  Creation of pocket for implantable, patient-activated
  cardiac event recorder and insertion/relocation of device
Excludes:
  creation of loop recorder pocket, new site and
  insertion/relocation of device (37.79)
  creation of pocket for implantable, patient-activated cardiac event
  recorder and insertion/relocation of device (37.79)
  removal of catheter from cranial cavity (01.27)

Revise code title  86.94 Insertion or replacement of single array neurostimulator
  pulse generator, not specified as rechargeable
Add exclusion term  Excludes: insertion or replacement of single array rechargeable
  neurostimulator pulse generator (86.97)

Revise code title  86.95 Insertion or replacement of dual array neurostimulator
  pulse generator, not specified as rechargeable
Add exclusion term  Excludes: insertion or replacement of dual array rechargeable
  neurostimulator pulse generator (86.98)
86.96 Insertion or replacement of other neurostimulator pulse generator

Excludes:
Revise exclusion term insertion of dual array neurostimulator pulse generator (86.95, 86.98)
Revise exclusion term insertion of single array neurostimulator pulse generator (86.94, 86.97)

New code  86.97 Insertion or replacement of single array rechargeable neurostimulator pulse generator

Rechargeable 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  86.98 Insertion or replacement of dual array rechargeable neurostimulator pulse generator

Rechargeable pulse generator (dual array, dual channel) for intracranial, spinal, and peripheral neurostimulator

Code also any associated lead implantation (02.93, 03.93, 04.92)

88.77 Diagnostic ultrasound of peripheral vascular system
Add exclusion term Excludes:
adjunct vascular system procedures (00.40 – 00.43)

New code  92.20 Infusion of liquid brachytherapy radioisotope

I-125 radioisotope
Intracavitary brachytherapy
Includes: removal of radioisotope

Add exclusion term Excludes:
infusion of liquid brachytherapy radioisotope (92.20)

92.27 Implantation or insertion of radioactive elements
Add exclusion term Excludes:
infusion of liquid brachytherapy radioisotope (92.20)

Add exclusion term Excludes:
infusion of liquid brachytherapy radioisotope (92.20)
93.5 Other immobilization, pressure, and attention to wound
Excludes:
Add exclusion term external fixator device (84.71-84.73)

99.10 Injection or infusion of thrombolytic agent
Excludes:
Delete exclusion term single vessel percutaneous transluminal coronary angioplasty [PTCA]
or coronary atherectomy with mention of thrombolytic agent (36.02)

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Angioplasty (laser) – see also Repair, blood vessel
Add note Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

Revise subterm coronary artery (single vessel) 36.01–00.66
Delete subterm with thrombolytic agent infusion 36.02
Delete subterm multiple vessels 36.05
Revise subterm coronary 36.09
Revise subterm percutaneous transluminal (balloon) (single vessel) 36.01–00.66
Delete subterm with thrombolytic agent infusion 36.02
Revise subterm multiple vessel 36.05
Revise subterm coronary (balloon) (single vessel) 36.01–00.66
Revise subterm with thrombolytic agent infusion 36.02
Revise subterm multiple vessels 36.05

Application
Revise subterm bone morphogenetic protein (Infuse™)(OP-1™) (recombinant)(rhBMP) 84.52
Revise subterm external fixation fixator device (bone) 78.10
Add subterm hybrid device or system 84.73
Add subterm Ilizarov type 84.72
Add subterm  monoplanar system or device 84.71
Add subterm  ring device or system 84.72
Add subterm  Sheffield type 84.72

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graft) (with fixation device)
    lumbosacral, lumbar NEC 81.08
Add subterm  ALIF (anterior lumbar interbody fusion) 81.06
Add subterm  PLIF (posterior lumbar interbody fusion) 81.08
Add subterm  TLIF (transforaminal lumbar interbody fusion) 81.08

Add term  Arthroereisis, subtalar joint 81.18

Add term  Bearing surface, hip replacement
Add subterm  ceramic-on-ceramic 00.76
Add subterm  metal-on-metal 00.75
Add subterm  metal on polyethylene 00.74

Add term  Cardiac support device (CSD) 37.41

Revise term  Cardiorrhaphy 37.4 37.49

Closure – see also Repair
    fistula
Revise subterm  pleuropericardial 37.4 37.49

Add term  CorCap™ 37.41

Creation - see also Formation
Revise subterm  cardiac device (defibrillator) (pacemaker) pocket
Revise subterm  with initial insertion of pacemaker cardiac device – omit code
    pocket
Revise subterm  cardiac device (defibrillator) (pacemaker)
Revise subterm  with initial insertion of pacemaker cardiac device – omit code
Revise code  loop recorder 86.09 37.79
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Add subterm bursa 83.5
Add subterm fascia 83.39

Add term Device
Add subterm CorCap™ 37.41
Add subterm external fixator – see Fixator, external

Endarterectomy (gas)(with patch graft) 38.10
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Add note Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.
intracranial (open) NEC 38.11

Delete subterm percutaneous approach, precerebral (extracranial) vessel(s) 00.61
Add note Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted

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bone
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Add subterm external fixator – see Fixator, external
Add subterm cervical collar 93.52
Add subterm plaster jacket 93.51
Add subterm other cast 93.53
Add subterm splint 93.54

Add term Fixator, external
Add subterm hybrid device or system 84.73
Add subterm Ilizarov type 84.72
Add subterm monoplanar system 84.71
Add subterm ring device or system 84.72
Add subterm Sheffield type 84.72
Revise subterm cardiac device (defibrillator) (pacemaker) pocket with initial insertion of pacemaker cardiac device – omit code pocket

Add subterm loop recorder 37.79

Fusion

spinal (with graft)(with internal fixation)(with instrumentation) 81.00

Add subterm anterior lumbar interbody fusion (ALIF) 81.06

Add subterm posterior lumbar interbody fusion (PLIF) 81.08

Add subterm transforaminal lumbar interbody fusion (TLIF) 81.08

Girdlestone operation

Revise subterm resection of femoral head and neck (without insertion of joint prosthesis) 77.85

Add subterm with replacement prosthesis - see Implant, joint, hip

Add subterm resection of hip prosthesis 80.05

Add subterm with replacement prosthesis - see Implant, joint, hip

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Revise subterm bone morphogenetic protein (Infuse™) (OP-1™) (recombinant) (rhBMP) 84.52

cardiac resynchronization device

Revise subterm defibrillator (CRT-D) (device and one or more leads) (total system) 00.51

Revise subterm pacemaker (CRT-P) (device and one or more leads) (total system) 00.50

Add subterm cardiac support device (CSD) 37.41

Add subterm CorCap™ 37.41

Revise subterm CRT-D (cardiac resynchronization defibrillator) (device and one or more leads) 00.51
Revise subterm CRT-P (cardiac resynchronization pacemaker) (device and one or more leads) 00.50

Add subterm cardiac support device (CSD) 37.41
Add subterm CorCap™ 37.41
Add subterm epicardial support device 37.41
Add subterm prosthetic cardiac support device 37.41
Add subterm ventricular support device 37.41

Add subterm cardiac support device (CSD) 37.41
Add subterm CorCap™ 37.41
Add subterm epicardial support device 37.41
Add subterm prosthetic cardiac support device 37.41
Add subterm ventricular support device 37.41

Add subterm joint (prosthesis) (silastic) (Swanson type) NEC 81.96
Add subterm femoral (bipolar endoprosthesis) 81.52
Add subterm revision NOS 81.53
Add subterm acetabular and femoral components (total) 00.70
Add subterm acetabular component only 00.71
Add subterm acetabular liner and/or femoral head only 00.73
Add subterm femoral component only 00.72
Add subterm femoral head only and/or acetabular liner 00.73
Add subterm total (acetabular and femoral components) 00.70

Revise subterm hip (partial) 81.52
Revise subterm revision NOS 81.53
Add subterm acetabular and femoral components (total) 00.70
Add subterm acetabular component only 00.71
Add subterm acetabular liner and/or femoral head only 00.73
Add subterm femoral component only 00.72
Add subterm femoral head only and/or acetabular liner 00.73
Add subterm partial
Add subterm acetabular component only 00.71
Add subterm acetabular liner and/or femoral head only 00.73
Add subterm femoral component only 00.72
Add subterm femoral head only and/or acetabular liner 00.73
Add subterm total (acetabular and femoral components) 00.70
Add subterm total 81.51
Revise subterm revision (acetabular and femoral components) 00.70
Revise subterm knee (partial) (total) 81.54
Revise subterm revision NOS 81.55
Add subterm femoral component 00.82
Add subterm  partial
Add subterm  femoral component 00.82
Add subterm  patellar component 00.83
Add subterm  tibial component 00.81
Add subterm  tibial insert 00.84
Add subterm  patellar component 00.83
Add subterm  tibial component 00.81
Add subterm  tibial insert 00.84
Add subterm  total (all components) 00.80

neurostimulator
pulse generator  86.96
dual array  86.95
Add subterm  rechargeable  86.98
single array  86.94
Add subterm  rechargeable  86.97

pacemaker
cardiac (device) (initial) (permanent) (replacement)  37.80
resynchronization device (CRT-P)
Revise subterm  total system (device and one or more leads) 00.50

prosthesis, prosthetic device
Add subterm  cardiac support device (CSD) (CorCap™) 37.41

femoral head (Austin-Moore) (bipolar) (Eicher)
(Thompson) 81.52
Add subterm  revision NOS 81.53
Add subterm  acetabular and femoral components (total) 00.70
Add subterm  acetabular component only 00.71
Add subterm  acetabular liner and/or femoral head only 00.73
Add subterm  femoral component only 00.72
Add subterm  femoral head only and/or acetabular liner 00.73
Add subterm  partial
Add subterm  acetabular component only 00.71
Add subterm  acetabular liner and/or femoral head only 00.73
Add subterm  femoral component only 00.72
Add subterm  femoral head only and/or acetabular liner 00.73
Add subterm  total (acetabular and femoral components) 00.70

joint (Swanson type) NEC 81.96
hip (partial) 81.52
Add subterm  revision NOS 81.53
Add subterm  acetabular and femoral components (total) 00.70
Add subterm acetabular component only 00.71
Add subterm acetabular liner and/or femoral head only 00.73
Add subterm femoral component only 00.72
Add subterm femoral head only and/or acetabular liner 00.73
Add subterm partial
Add subterm acetabular component only 00.71
Add subterm acetabular liner and/or femoral head only 00.73
Add subterm femoral component only 00.72
Add subterm femoral head only and/or acetabular liner 00.73
Add subterm total (acetabular and femoral components) 00.70
total 81.51
Add subterm revision (acetabular and femoral components) 00.70

knee (partial) (total) 81.54
Revise subterm revision NOS 81.55
Add subterm femoral component 00.82
Add subterm partial
Add subterm femoral component 00.82
Add subterm patellar component 00.83
Add subterm tibial component 00.81
Add subterm tibial insert 00.84
Add subterm patellar component 00.83
Add subterm tibial component 00.81
Add subterm tibial insert 00.84
Add subterm total (all components) 00.80

Add subterm spine NEC 84.59
Add subterm interspinous process decompression device 84.58

Infusion (intra-arterial)(intravenous)
Add subterm immunosuppressive antibody therapy 00.18
Add subterm radioisotope (liquid brachytherapy) (liquid I-125) 92.20
thrombolytic agent (enzyme) (streptokinase) 99.10
with percutaneous transluminal angioplasty
Add note Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the
total number of vessels treated.
Revise subterm coronary (single vessel) 36.02 00.66
Delete subterm multiple vessels 36.05

Injection (into)(hypodermically)(intramuscularly)
(intravenously)(acting locally or systemically)
thrombolytic agent (enzyme) (streptokinase) 99.10
with percutaneous transluminal angioplasty
Add note Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the
**total number of vessels treated**

- coronary (single vessel) 36.02 00.66
- multiple vessels 36.05

**Insertion**

- bone morphogenetic protein (Infuse™)(OP-1™)(recombinant) (rhBMP) 84.52

**cardiac resynchronization device**

- defibrillator (CRT-D) (total system) (device and one or more leads) 00.51
- pacemaker (CRT-P) (total system) (device and one or more leads) 00.50

**Add subterm**

- cardiac support device (CSD) (CorCap™) 37.41
- carotid artery stent(s) (stent graft) 00.63

**Add note**

*Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.*

- catheter
- cranial cavity 01.26

**Add subterm**

- CorCap™ 37.41
- coronary (artery)

**Add note**

*Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.*

- CRT-D (cardiac resynchronization defibrillator) (device and one or more leads) 00.51
- CRT-P (cardiac resynchronization pacemaker) (device and one or more leads) 00.50

**device**

- cardiac support device (CSD) 37.41
- CorCap™ 37.41
- epicardial support device 37.41
- prosthetic cardiac support device 37.41
- ventricular support device 37.41
endograft(s), endovascular graft(s)

| Add subterm | endovascular, abdominal aorta 39.71 |
| Add subterm | endovascular, thoracic aorta 39.73 |

heart

| Add subterm | cardiac support device (CSD) 37.41 |
| Add subterm | CorCap™ 37.41 |
| Add subterm | epicardial support device 37.41 |
| Add subterm | prosthetic cardiac support device 37.41 |
| Add subterm | ventricular support device 37.41 |

hip prosthesis (partial) 81.52

| Revise subterm | revision NOS 81.53 |
| Add subterm | acetabular and femoral components (total) 00.70 |
| Add subterm | acetabular component only 00.71 |
| Add subterm | acetabular liner and/or femoral head only 00.73 |
| Add subterm | femoral component only 00.72 |
| Add subterm | femoral head only and/or acetabular liner 00.73 |
| Add subterm | partial |
| Add subterm | acetabular component only 00.71 |
| Add subterm | acetabular liner and/or femoral head only 00.73 |
| Add subterm | femoral component only 00.72 |
| Add subterm | femoral head only and/or acetabular liner 00.73 |
| Add subterm | total (acetabular and femoral components) 00.70 |
| Revise subterm | revision 81.53 |
| Add subterm | acetabular and femoral components (total) 00.70 |
| Add subterm | total (acetabular and femoral components) 00.70 |

knee prosthesis (partial (total) 81.54

| Add subterm | femoral component 00.82 |
| Add subterm | partial |
| Add subterm | femoral component 00.82 |
| Add subterm | patellar component 00.83 |
| Add subterm | tibial component 00.81 |
| Add subterm | tibial insert 00.84 |
| Add subterm | patellar component 00.83 |
| Add subterm | tibial component 00.81 |
| Add subterm | tibial insert 00.84 |
| Add subterm | total (all components) 00.80 |
Revise code                  loop recorder $6.99 37.79

non-coronary vessel
stent(s) (stent graft)

Add note  Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

pacemaker
cardiac (device) (initial) (permanent) (replacement) 37.80
resynchronization (CRT-P) (device)

Revise subterm  total system (device and one or more leads) 00.50

prosthesis, prosthetic device
acetabulum (partial) 81.52

Add subterm  hip 81.52
Add subterm  revision NOS 81.53
Add subterm  acetabular and femoral components (total) 00.70
Add subterm  acetabular component only 00.71
Add subterm  acetabular liner and/or femoral head only 00.73
Add subterm  femoral component only 00.72
Add subterm  femoral head only and/or acetabular liner 00.73
Add subterm  partial
Add subterm  acetabular component only 00.71
Add subterm  acetabular liner and/or femoral head only 00.73
Add subterm  femoral component only 00.72
Add subterm  femoral head only and/or acetabular liner 00.73
Add subterm  total (acetabular and femoral components) 00.70

Add subterm  cardiac support device (CSD) (CorCap™) 37.41

hip (partial) 81.52

Revise subterm  revision NOS 81.53
Add subterm  acetabular and femoral components (total) 00.70
Add subterm  acetabular component only 00.71
Add subterm  acetabular liner and/or femoral head only 00.73
Add subterm  femoral component only 00.72
Add subterm  femoral head only and/or acetabular liner 00.73
Add subterm  partial
Add subterm  acetabular component only 00.71
Add subterm  acetabular liner and/or femoral head only 00.73
Add subterm  femoral component only 00.72
Add subterm femoral head only and/or acetabular liner 00.73
Add subterm total (acetabular and femoral components) 00.70
Revise subterm revision 81.53
Add subterm acetabular and femoral components (total) 00.70
Add subterm total (acetabular and femoral components) 00.70

knee (partial (total) 81.54
Revise subterm revision NOS 81.55
Add subterm femoral component 00.82
Add subterm partial
Add subterm femoral component 00.82
Add subterm patellar component 00.83
Add subterm tibial component 00.81
Add subterm tibial insert 00.84
Add subterm patellar component 00.83
Add subterm tibial component 00.81
Add subterm tibial insert 00.84
Add subterm total (all components) 00.80

Revise subterm spacer (cement) (joint) in joint – see category 80.0 84.56
spine
Add subterm interspinous process decompression device 84.58

stent(s) (stent graft)
artery (bare) (bonded) (drug-coated) (non-drug-eluting)

Add note Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the
total number of vessels treated. In addition, use 00.45,
00.46, 00.47, or 00.48 to show the number of vascular
stents inserted.

coronary (artery) (bare) (bonded) (drug-coated) (non-drug-eluting) 36.06

Add note Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the
total number of vessels treated. In addition, use 00.45,
00.46, 00.47, or 00.48 to show the number of vascular
stents inserted.

non-coronary vessel
Add note Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the
total number of vessels treated. In addition, use
00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

peripheral 39.90

Add note

Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

precerebral 00.64

Add note

Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

subclavian 39.90

Add note

Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

vertebral 00.64

Add note

Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

Latzko operation

Revise code

colpocleisis 70.4 70.8

Operation

Girdlestone

Revise subterm

resection of femoral head and neck (without insertion of joint prosthesis) 77.85

Add subterm

with replacement prosthesis - see Implant, joint, hip

Add subterm

resection of hip prosthesis 80.05

Add subterm

with replacement prosthesis - see Implant, joint, hip

Revise code

Pericardioplasty 37.4 37.49

Revise code

Pericardiorrhaphy 37.4 37.49
Refusion
spinal, NOS 81.30
lumbar, lumbosacral NEC 81.38
Add subterm anterior lumbar interbody fusion (ALIF) 81.36
Add subterm posterior lumbar interbody fusion (PLIF) 81.38
Add subterm transforaminal lumbar interbody fusion (TLIF) 81.38

Relocation – see also Revision
Revise subterm cardiac device (CRT-D) (CRT-P) (defibrillator) (pacemaker) pocket, new site (skin) (subcutaneous) 37.79
Revise code CRT-D pocket 37.99 37.79

Removal– see also Excision
catheter (indwelling) - see also Removal, tube
Add subterm cranial cavity 01.27
coronary artery obstruction (thrombus) 36.09
Revise subterm percutaneous transluminal (balloon) (single vessel) 36.01 00.66
Add note Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.
Delete subterm with thrombolytic agent infusion 36.02
Delete subterm multiple vessels 36.05
device (therapeutic) NEC 97.89
Add subterm spine 80.09

neurostimulator
pulse generator (single array, dual array) 86.05
with synchronous replacement 86.96
dual array 86.95
Add subterm rechargeable 86.98
Add subterm single array 86.94
Add subterm rechargeable 86.97
Add subterm spacer (cement) (joint) 84.57

Add subterm tube
Add subterm cranial cavity 01.27
Repair aneurysm (false)(true) 39.52
by or with
endovascular graft 39.79
Revise code
thoracic aorta 39.79 39.73
artery NEC 39.59
by
endovascular approach
Add subterm
abdominal aorta 39.71
percutaneous repair of intracranial vessel(s) (for stent insertion) 00.62
Add note
Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

percutaneous repair of precerebral (extracranial) vessel(s) (for stent insertion) 00.61
Add note
Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.
Add subterm
thoracic aorta 39.73
non-coronary percutaneous transluminal angioplasty or atherectomy
Add note
Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

blood vessel NEC 39.59
peripheral vessel NEC 39.59
by angioplasty 39.50
Add note
Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.
by atherectomy 39.50
Add note
Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.
fistula – *see also* Closure, fistula
pleuropericardial 37.4 37.49

Revise code
heart 37.4 37.49
pericardium 37.4 37.49

Replacement

cardiac resynchronization device

Revise subterm
defibrillator (CRT-D) (device and one or more leads) (total system) 00.51
pacemaker (CRT-P) (device and one or more leads) (total system) 00.50
CRT-D (cardiac resynchronization defibrillator) (device and one or more leads) 00.51
CRT-P (cardiac resynchronization pacemaker) (device and one or more leads) 00.50

Revision

Revise subterm
hip replacement (acetabulum) (femoral head) (partial) (total) NOS 81.53

Add subterm
acetabular and femoral components (total) 00.70
acetabular component only 00.71
acetabular liner and/or femoral head only 00.73
femoral component only 00.72
femoral head only and/or acetabular liner 00.73
partial
acetabular component only 00.71
acetabular liner and/or femoral head only 00.73
femoral component only 00.72
femoral head only and/or acetabular liner 00.73
total (acetabular and femoral components) 00.70

joint replacement

Delete subterm
acetabulum 81.53

Add subterm
acetabular and femoral components (total) 00.70
acetabular component only 00.71
acetabular liner and/or femoral head only 00.73
femoral component only 00.72
femoral head only and/or acetabular liner 00.73
hip (partial) (total) 81.53
acetabular and femoral components (total) 00.70
acetabular component only 00.71
acetabular liner and/or femoral head only 00.73
femoral component only 00.72
femoral head only and/or acetabular liner 00.73
Add subterm partial
Add subterm acetabular component only 00.71
Add subterm acetabular liner and/or femoral head only 00.73
Add subterm femoral component only 00.72
Add subterm femoral head only and/or acetabular liner 00.73
Add subterm total (acetabular and femoral components) 00.70
Revise subterm knee replacement NOS 81.55
Add subterm femoral component 00.82
Add subterm partial
Add subterm femoral component 00.82
Add subterm patellar component 00.83
Add subterm tibial component 00.81
Add subterm tibial insert 00.84
Add subterm patellar component 00.83
Add subterm tibial component 00.81
Add subterm tibial insert 00.84
Add subterm total (all components) 00.80
Revise subterm knee replacement (prosthesis) NOS 81.55
Add subterm femoral component 00.82
Add subterm partial
Add subterm femoral component 00.82
Add subterm patellar component 00.83
Add subterm tibial component 00.81
Add subterm tibial insert 00.84
Add subterm patellar component 00.83
Add subterm tibial component 00.81
Add subterm tibial insert 00.84
Add subterm total (all components) 00.80

pocket
Revise subterm cardiac device (defibrillator) (pacemaker)
Revise subterm with initial insertion of pacemaker cardiac device – omit code
Revise subterm new site (cardiac device pocket) (skin) (subcutaneous) 37.79

prosthesis
Delete subterm acetabulum
Delete subterm hip 81.53
Add subterm acetabular and femoral components (total) 00.70
Add subterm acetabular component only 00.71
Add subterm acetabular liner and/or femoral head only 00.73
Add subterm femoral component only 00.72
Revise subterm femoral head 84.53 only and/or acetabular liner 00.73
Revise subterm hip (partial) (total) 81.53
Add subterm acetabular and femoral components (total) 00.70
Add subterm acetabular component only 00.71
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