## CLASSIFICATION OF PROCEDURES

### 0. PROCEDURES AND INTERVENTIONS , NOT ELSEWHERE CLASSIFIED (00)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Excludes</th>
</tr>
</thead>
<tbody>
<tr>
<td>00.0</td>
<td>Therapeutic ultrasound</td>
<td>diagnostic ultrasound (non-invasive) (88.71-88.79)</td>
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<tr>
<td></td>
<td></td>
<td>intracardiac echocardiography [ICE] (heart chamber(s)) (37.28)</td>
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<td></td>
<td></td>
<td>intravascular imaging (adjunctive) (00.21-00.29)</td>
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<tr>
<td>00.01</td>
<td>Therapeutic ultrasound of vessels of head and neck</td>
<td>Anti-restenotic ultrasound</td>
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<td></td>
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<td>Intravascular non-ablative ultrasound</td>
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<tr>
<td></td>
<td>Excludes: diagnostic ultrasound of:</td>
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<td></td>
<td>eye (95.13)</td>
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<td></td>
<td>head and neck (88.71)</td>
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<tr>
<td></td>
<td>that of inner ear (20.79)</td>
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<td></td>
<td>ultrasonic:</td>
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<tr>
<td></td>
<td>angioplasty of non-coronary vessel (39.50)</td>
<td></td>
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<tr>
<td></td>
<td>embolectomy (38.01, 38.02)</td>
<td></td>
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<tr>
<td></td>
<td>endarterectomy (38.11, 38.12)</td>
<td></td>
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<td></td>
<td>thrombectomy (38.01, 38.02)</td>
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<td>00.02</td>
<td>Therapeutic ultrasound of heart</td>
<td>Anti-restenotic ultrasound</td>
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<td></td>
<td></td>
<td>Intravascular non-ablative ultrasound</td>
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<tr>
<td></td>
<td>Excludes: diagnostic ultrasound of heart (88.72)</td>
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<tr>
<td></td>
<td>ultrasonic ablation of heart lesion (37.34)</td>
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<tr>
<td></td>
<td>ultrasonic angioplasty of coronary vessels (00.66, 36.09)</td>
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<tr>
<td>00.03</td>
<td>Therapeutic ultrasound of peripheral vascular vessels</td>
<td>Anti-restenotic ultrasound</td>
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<td></td>
<td>Intravascular non-ablative ultrasound</td>
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<tr>
<td></td>
<td>Excludes: diagnostic ultrasound of peripheral vascular system (88.77)</td>
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<tr>
<td></td>
<td>ultrasonic angioplasty of:</td>
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<td></td>
<td>non-coronary vessel (39.50)</td>
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<tr>
<td>00.09</td>
<td>Other therapeutic ultrasound</td>
<td>Excludes: ultrasonic:</td>
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<tr>
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<td>fragmentation of urinary stones (59.95)</td>
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<td></td>
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<td>percutaneous nephrostomy with fragmentation (55.04)</td>
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<td>physical therapy (93.35)</td>
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<tr>
<td></td>
<td></td>
<td>transurethral guided laser induced prostatectomy (TULIP) (60.21)</td>
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<tr>
<td>00.1</td>
<td>Pharmacaceuticals</td>
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<td>00.10</td>
<td>Implantation of chemotherapeutic agent</td>
<td>Brain wafer chemotherapy</td>
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<td>Interstitial/ intracavitary</td>
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<tr>
<td></td>
<td>Excludes: injection or infusion of cancer chemotherapeutic substance (99.25)</td>
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</tbody>
</table>
00.11 Infusion of drotrecogin alfa (activated)
   Infusion of recombinant protein

00.12 Administration of inhaled nitric oxide
   Nitric oxide therapy

00.13 Injection or infusion of nesiritide
   Human B-type natriuretic peptide (hBNP)

00.14 Injection or infusion of oxazolidinone class of antibiotics
   Linezolid injection

00.15 High-dose infusion interleukin-2 [IL-2]
   Infusion (IV bolus, CIV) interleukin
   Injection of aldesleukin

Excludes: low-dose infusion interleukin-2 (99.28)

00.16 Pressurized treatment of venous bypass graft [conduit] with pharmaceutical substance
   Ex-vivo treatment of vessel
   Hyperbaric pressurized graft [conduit]

00.17 Infusion of vasopressor agent

00.18 Infusion of immunosuppressive antibody therapy
   Includes: during induction phase of solid organ transplantation
   monoclonal antibody therapy
   polyclonal antibody therapy

00.19 Disruption of blood brain barrier via infusion [BBBD]
   Infusion of substance to disrupt blood brain barrier

   Code also chemotherapy (99.25)

   Excludes: other perfusion (39.97)

00.2 Intravascular imaging of blood vessels
   Endovascular ultrasonography
   Intravascular ultrasound (IVUS)
   Intravascular [ultrasound] imaging of blood vessels
   Virtual histology intravascular ultrasound [VH-IVUS]

   Note: real-time imaging of lumen of blood vessel(s) using sound waves
   Code also any synchronous diagnostic or therapeutic procedures

   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)
   intravascular imaging of vessel(s) by OCT (38.24-38.25)
   magnetic resonance imaging (MRI) (88.91-88.97)
   therapeutic ultrasound (00.01-00.09)

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)

00.22 Intravascular imaging of intrathoracic vessels
   Aorta and aortic arch
   Intravascular ultrasound (IVUS), intrathoracic vessels
00.23 Intravascular imaging of peripheral vessels
   Imaging of:
      vessels of arm(s)
      vessels of leg(s)
   Intravascular ultrasound (IVUS), peripheral vessels

00.24 Intravascular imaging of coronary vessels
   Intravascular ultrasound (IVUS), coronary vessels

00.25 Intravascular imaging of renal vessels
   Intravascular ultrasound (IVUS), renal vessels
   Renal artery

00.28 Intravascular imaging, other specified vessel(s)

00.29 Intravascular imaging, unspecified vessel(s)

00.3 Computer assisted surgery [CAS]
   CT-free navigation
   Image guided navigation (IGN)
   Image guided surgery (IGS)
   Imageless navigation
   That without the use of robotic(s) technology

Code also diagnostic or therapeutic procedure

Excludes: robotic assisted procedures (17.41-17.49)
   stereotactic frame application only (93.59)

00.31 Computer assisted surgery with CT/CTA

00.32 Computer assisted surgery with MR/MRA

00.33 Computer assisted surgery with fluoroscopy

00.34 Imageless computer assisted surgery

00.35 Computer assisted surgery with multiple datasets

00.39 Other computer assisted surgery
   Computer assisted surgery NOS

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 (00.61-00.62, 00.66, 39.50)
    atherectomy (17.53-17.56)
    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)

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)

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

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

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)

00.44 Procedure on vessel bifurcation

Note: This code is to be used to identify the presence of a vessel bifurcation; it does not
describe a specific bifurcation stent. Use this code only once per operative episode,
irrespective of the number of bifurcations in vessels.

00.45 Insertion of one vascular stent
   Number of stents, unspecified

00.46 Insertion of two vascular stents

00.47 Insertion of three vascular stents

00.48 Insertion of four or more vascular stents

00.49 SuperSaturated oxygen therapy
   Aqueous oxygen (AO) therapy
   SS02
   SuperOxygenation infusion therapy

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)
    open chest coronary artery angioplasty (36.03)
    other removal of coronary obstruction (36.09)
    percutaneous transluminal coronary angioplasty [PTCA] (00.66)
    procedure on vessel bifurcation (00.44)
    transluminal coronary atherectomy (17.55)

Excludes: other oxygen enrichment (93.96)
    other perfusion (39.97)
00.5 Other cardiovascular procedures

00.50 Implantation of cardiac resynchronization pacemaker without mention of defibrillation, total system [CRT-P]
- Biventricular pacemaker
- Biventricular pacing without internal cardiac defibrillator
- BiV pacemaker
- Implantation of cardiac resynchronization (biventricular) pulse generator pacing device, formation of pocket, transvenous leads including placement of lead into left ventricular coronary venous system, and intraoperative procedures for evaluation of lead signals.
That with CRT-P generator and one or more leads

Note: Device testing during procedure - omit code

Excludes: implantation of cardiac resynchronization defibrillator, total system [CRT-D] (00.51)
- insertion or replacement of any type pacemaker device (37.80-37.87)
- replacement of cardiac resynchronization defibrillator pulse generator only [CRT-D](00.54)
- replacement of cardiac resynchronization pacemaker pulse generator only [CRT-P](00.53)

00.51 Implantation of cardiac resynchronization defibrillator, total system [CRT-D]
- BiV defibrillator
- Biventricular defibrillator
- Biventricular pacing with internal cardiac defibrillator
- BiV ICD
- BiV pacemaker with defibrillator
- BiV pacing with defibrillator
- Implantation of a cardiac resynchronization (biventricular) pulse generator with defibrillator [AICD], formation of pocket, transvenous leads, including placement of lead into left ventricular coronary venous system, intraoperative procedures for evaluation of lead signals, and obtaining defibrillator threshold measurements.
That with CRT-D generator and one or more leads

Note: Device testing during procedure - omit code

Excludes: implantation of cardiac resynchronization pacemaker, total system [CRT-P](00.50)
- implantation or replacement of automatic cardioverter/defibrillator, total system [AICD] (37.94)
- replacement of cardiac resynchronization defibrillator pulse generator, only [CRT-D](00.54)

00.52 Implantation or replacement of transvenous lead [electrode] into left ventricular coronary venous system

Excludes: implantation of cardiac resynchronization defibrillator, total system [CRT-D](00.51)
- implantation of cardiac resynchronization pacemaker, total system [CRT-P](00.50)
- initial insertion of transvenous lead [electrode] (37.70-37.72)
- replacement of transvenous atrial and/or ventricular lead(s) [electrodes] (37.76)

00.53 Implantation or replacement of cardiac resynchronization pacemaker pulse generator only [CRT-P]
- Implantation of CRT-P device with removal of any existing CRT-P or other pacemaker device

Note: Device testing during procedure - omit code
Excludes: implantation of cardiac resynchronization pacemaker, total system [CRT-P] (00.50)
implantation or replacement of cardiac resynchronization defibrillator pulse generator only [CRT-D](00.54)
insertion or replacement of any type pacemaker device (37.80-37.87)

00.54 Implantation or replacement of cardiac resynchronization defibrillator pulse generator device only [CRT-D]
Implantation of CRT-D device with removal of any existing CRT-D, CRT-P, pacemaker, or defibrillator device

Note: Device testing during procedure - omit code

Excludes: implantation of automatic cardioverter/defibrillator pulse generator only (37.96)
implantation of cardiac resynchronization defibrillator, total system [CRT-D] (00.51)
implantation or replacement of cardiac resynchronization pacemaker pulse generator only [CRT-P] (00.53)

00.55 Insertion of drug-eluting stent(s) of other peripheral vessel(s)
Endograft(s)
Endovascular graft(s)
Stent grafts

Code also any:
angioplasty of other non-coronary vessel(s) (39.50)
atherectomy of other non-coronary vessel(s) (17.56)
number of vascular stents inserted (00.45-00.48)
number of vessels treated (00.40-00.43)
procedure on vessel bifurcation (00.44)

Excludes: drug-coated peripheral stents, e.g., heparin coated (39.90)
insertion of cerebrovascular stent(s) (00.63-00.65)
insertion of drug-eluting coronary artery stent (36.07)
insertion of drug-eluting stent(s) of superficial femoral artery (00.60)
insertion of non-drug-eluting stent(s):
coronary artery (36.06)
peripheral vessel (39.90)
that for other endovascular procedure (39.71-39.79)

00.56 Insertion or replacement of implantable pressure sensor with lead for intracardiac or great vessel hemodynamic monitoring

Note: The sensor is physically connected by a lead to a separately implanted monitor.

Code also any associated implantation or replacement of subcutaneous monitor (00.57)

Excludes: circulatory monitoring (blood gas, arterial or venous pressure, cardiac output and coronary blood flow) (89.60-89.69)
insertion of implantable pressure sensor without lead for intracardiac or great vessel hemodynamic monitoring (38.26)

00.57 Implantation or replacement of subcutaneous device for intracardiac or great vessel hemodynamic monitoring
Implantation of monitoring device with formation of subcutaneous pocket and connection to intracardiac pressure sensor via lead

Code also any associated insertion or replacement of implanted pressure sensor with lead (00.56)

00.58 Insertion of intra-aneurysm sac pressure monitoring device (intraoperative)
Insertion of pressure sensor during endovascular repair of abdominal or thoracic aortic aneurysm(s)

00.59 Intravascular pressure measurement of coronary arteries
   Includes: fractional flow reserve (FFR)
Code also any synchronous diagnostic or therapeutic procedures
Excludes: intravascular pressure measurement of intrathoracic arteries (00.67)

00.6 Procedures on blood vessels

00.60 Insertion of drug-eluting stent(s) of superficial femoral artery
   Code also any:
   - angioplasty of other non-coronary vessel(s) (39.50)
   - atherectomy of other non-coronary vessel(s) (17.56)
   - non-drug-eluting peripheral stents (39.90)
   - number of vascular stents inserted (00.45-00.48)
   - number of vessels treated (00.40-00.43)
   - procedure on vessel bifurcation (00.44)

Excludes:
   - insertion of drug-eluting stent(s) of other peripheral vessel (00.55)
   - that for other endovascular procedure (39.71-39.79)

00.61 Percutaneous angioplasty of extracranial vessel(s)
   - Carotid
   - Vertebral

   Code also any:
   - injection or infusion of thrombolytic agent (99.10)
   - number of vascular stents inserted (00.45-00.48)
   - number of vessels treated (00.40-00.43)
   - percutaneous atherectomy of extracranial vessel(s) (17.53)
   - percutaneous insertion of carotid artery stent(s) (00.63)
   - percutaneous insertion of other intracranial artery stent(s) (00.64)
   - procedure on vessel bifurcation (00.44)

Excludes: angioplasty of other non-coronary vessel(s) (39.50)
   - atherectomy of other non-coronary vessel(s) (17.56)
   - 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)

00.62 Percutaneous angioplasty of intracranial vessel(s)
   - Basilar artery
   - Intracranial portion of vertebral artery

   Code also any:
   - injection or infusion of thrombolytic agent (99.10)
   - number of vascular stents inserted (00.45-00.48)
   - number of vessels treated (00.40-00.43)
   - percutaneous atherectomy of intracranial vessel(s) (17.54)
   - percutaneous insertion of intracranial stent(s) (00.65)
   - procedure on vessel bifurcation (00.44)

Excludes: angioplasty of other non-coronary vessel(s) (39.50)
   - atherectomy of other non-coronary vessel(s) (17.56)
   - 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)

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 any:
- number of vascular stents inserted (00.45-00.48)
- number of vessels treated (00.40-00.43)
- percutaneous angioplasty of extracranial vessel(s) (00.61)
- percutaneous atherectomy of extracranial vessel(s) (17.53)
- procedure on vessel bifurcation (00.44)

Excludes: angioplasty of other non-coronary vessel(s) (39.50)
- atherectomy of other non-coronary vessel(s) (17.56)
- insertion of coil-retention or embolization stent (39.72)
- insertion of drug-eluting peripheral vessel stent(s) (00.55)

00.64 Percutaneous insertion of other extracranial artery stent(s)
Includes: the use of any embolic protection device, distal protection device, filter device, or stent delivery system

Vertebral stent

Code also any:
- number of vascular stents inserted (00.45-00.48)
- number of vessels treated (00.40-00.43)
- percutaneous angioplasty of extracranial vessel(s) (00.61)
- percutaneous atherectomy of extracranial vessel(s) (17.53)
- procedure on vessel bifurcation (00.44)

Excludes: angioplasty of other non-coronary vessel(s) (39.50)
- atherectomy of other non-coronary vessel(s) (17.56)
- insertion of coil-retention or embolization stent (39.72)
- insertion of drug-eluting peripheral vessel stent(s) (00.55)

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

Code also any:
- number of vascular stents inserted (00.45-00.48)
- number of vessels treated (00.40-00.43)
- percutaneous angioplasty of intracranial vessel(s) (00.62)
- percutaneous atherectomy of intracranial vessel(s) (17.54)
- procedure on vessel bifurcation (00.44)

Excludes: angioplasty of other non-coronary vessel(s) (39.50)
- atherectomy of other non-coronary vessel(s) (17.56)
- insertion of coil-retention or embolization stent (39.72)
- insertion of drug-eluting peripheral vessel stent(s) (00.55)

00.66 Percutaneous transluminal coronary angioplasty [PTCA]
Balloon angioplasty of coronary artery
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)
umber of vascular stents inserted (00.45-00.48)
number of vessels treated (00.40-00.43)
procedure on vessel bifurcation (00.44)
SuperSaturated oxygen therapy (00.49)
transluminal coronary atherectomy (17.55)

00.67 Intravascular pressure measurement of intrathoracic arteries
Assessment of:
   Aorta and aortic arch
   Carotid
Code also any synchronous diagnostic or therapeutic procedures

00.68 Intravascular pressure measurement of peripheral arteries
Assessment of:
   Other peripheral vessels
   Vessels of arm(s)
   Vessels of leg(s)
Code also any synchronous diagnostic or therapeutic procedures

00.69 Intravascular pressure measurement, other specified and unspecified vessels
Assessment of
   Iliac vessels
   Intra-abdominal vessels
   Mesenteric vessels
   Renal vessels
Code also any synchronous diagnostic or therapeutic procedures
Excludes: intravascular pressure measurement of:
coronary arteries (00.59)
intrathoracic arteries (00.67)
peripheral arteries (00.68)

00.7 Other hip procedures

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 (00.74-00.77)
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)

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 (00.74-00.77)
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)

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 (00.74-00.77)

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)

00.73 Revision of hip replacement, acetabular liner and/or femoral head only

Code also any type of bearing surface, if known (00.74-00.77)

00.74 Hip bearing surface, metal-on-polyethylene
00.75 Hip bearing surface, metal-on-metal
00.76 Hip bearing surface, ceramic-on-ceramic
00.77 Hip bearing surface, ceramic-on-polyethylene
  Hip bearing surface, oxidized zirconium-on-polyethylene

00.8 Other knee and hip 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.

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)

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)

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)

00.83 Revision of knee replacement, patellar component

Excludes:
  revision of knee replacement, total (all components) (00.80)

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)

00.85  Resurfacing hip, total, acetabulum and femoral head
    Hip resurfacing arthroplasty, total

00.86  Resurfacing hip, partial, femoral head
    Hip resurfacing arthroplasty, NOS
    Hip resurfacing arthroplasty, partial, femoral head

Excludes: that with resurfacing of acetabulum (00.85)

00.87  Resurfacing hip, partial, acetabulum
    Hip resurfacing arthroplasty, partial, acetabulum

Excludes: that with resurfacing of femoral head (00.85)

00.9  Other procedures and interventions

00.91  Transplant from live related donor
    Code also organ transplant procedure

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

00.93  Transplant from cadaver
    Code also organ transplant procedure

00.94  Intra-operative neurophysiologic monitoring
    Includes: Cranial nerve, peripheral nerve and spinal cord
    testing performed intra-operatively
    Intra-operative neurophysiologic testing
    IOM
    Nerve monitoring
    Neuromonitoring
    That by:
    brainstem auditory evoked potentials [BAEP]
    electroencephalogram [EEG]
    electromyogram [EMG]
    motor evoked potentials [MEP]
    nerve conduction study
    somatosensory evoked potentials [SSEP]
    transcranial Doppler

Excludes: brain temperature monitoring (01.17)
    intracranial oxygen monitoring (01.16)
    intracranial pressure monitoring (01.10)
    plethysmogram (89.58)

00.95  Injection or infusion of glucarpidase

00.96  Infusion of 4-Factor Prothrombin Complex Concentrate Infusion of 4F-PCC

Excludes: transfusion of coagulation factors (99.06) transfusion of Factor IX complex (99.06)

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1. OPERATIONS ON THE NERVOUS SYSTEM (01-05)

| 01 | Incision and excision of skull, brain, and cerebral meninges |
01.0 Cranial puncture

01.01 Cisternal puncture
   Cisternal tap
   Excludes: pneumocisternogram (87.02)

01.02 Ventriculopuncture through previously implanted catheter
   Puncture of ventricular shunt tubing

01.09 Other cranial puncture
   Aspiration of:
   subarachnoid space
   subdural space
   Cranial aspiration NOS
   Puncture of anterior fontanel
   Subdural tap (through fontanel)

01.1 Diagnostic procedures on skull, brain, and cerebral meninges

01.10 Intracranial pressure monitoring
   Includes: insertion of catheter or probe for monitoring

01.11 Closed [percutaneous] [needle] biopsy of cerebral meninges
   Burr hole approach

01.12 Open biopsy of cerebral meninges

01.13 Closed [percutaneous] [needle] biopsy of brain
   Burr hole approach
   Stereotactic method

01.14 Open biopsy of brain

01.15 Biopsy of skull

01.16 Intracranial oxygen monitoring
   Includes: insertion of catheter or probe for monitoring
   Partial pressure of brain oxygen (PbtO2)

01.17 Brain temperature monitoring
   Includes: insertion of catheter or probe for monitoring

01.18 Other diagnostic procedures on brain and cerebral meninges
   Excludes: brain temperature monitoring (01.17)
cerebral:
   arteriography (88.41)
   thermography (88.81)
   contrast radiogram of brain (87.01-87.02)
   echoencephalogram (88.71)
   electroencephalogram (89.14)
   intracranial oxygen monitoring (01.16)
   intracranial pressure monitoring (01.10)
   microscopic examination of specimen from nervous system and of spinal fluid
   (90.01-90.09)
   neurologic examination (89.13)
   phlebography of head and neck (88.61)
   pneumoencephalogram (87.01)
   radioisotope scan:
cerebral (92.11)
head NEC (92.12)
tomography of head:
C.A.T. scan (87.03)
other (87.04)

01.19 Other diagnostic procedures on skull
Excludes: transillumination of skull (89.16)
x-ray of skull (87.17)

01.2 Craniotomy and craniectomy
Excludes: decompression of skull fracture (02.02)
exploration of orbit (16.01-16.09)
that as operative approach -- omit code

01.20 Cranial implantation or replacement of neurostimulator pulse generator
Code also any associated lead implantation (02.93)
Excludes: implantation or replacement of subcutaneous neurostimulator pulse generator
(86.94-86.98)

01.21 Incision and drainage of cranial sinus

01.22 Removal of intracranial neurostimulator lead(s)
Code also any removal of neurostimulator pulse generator (86.05)
Excludes: removal with synchronous replacement (02.93)

01.23 Reopening of craniotomy site

01.24 Other craniotomy
Cranial:
decompression
exploration
trephination
Craniotomy NOS
Craniotomy with removal of:
epidural abscess
extradural hematoma
foreign body of skull
Excludes: removal of foreign body with incision into brain (01.39)

01.25 Other craniectomy
Debridement of skull NOS
Sequestrectomy of skull
Excludes: debridement of compound fracture of skull (02.02)
strip craniectomy (02.01)

01.26 Insertion of catheter(s) into cranial cavity or tissue
Code also any concomitant procedure (e.g. resection (01.59))
Excludes: placement of intracerebral catheter(s) via burr hole(s) (01.28)

01.27 Removal of catheter(s) from cranial cavity or tissue

01.28 Placement of intracerebral catheter(s) via burr hole(s)
Convection enhanced delivery
Stereotactic placement of intracerebral catheter(s)
Code also infusion of medication
Excludes: insertion of catheter(s) into cranial cavity or tissue(s) (01.26)
01.29 Removal of cranial neurostimulator pulse generator

01.3 Incision of brain and cerebral meninges

01.31 Incision of cerebral meninges
  Drainage of:
  - intracranial hygroma
  - subarachnoid abscess (cerebral)
  - subdural empyema

01.32 Lobotomy and tractotomy
  Division of:
  - brain tissue
  - cerebral tracts
  - Percutaneous (radiofrequency) cingulotomy

01.39 Other incision of brain
  Amygdalohippocampotomy
  Drainage of intracerebral hematoma
  Incision of brain NOS

Excludes: division of cortical adhesions (02.91)

01.4 Operations on thalamus and globus pallidus

01.41 Operations on thalamus
  Chemothalamectomy
  Thalamotomy

Excludes: that by stereotactic radiosurgery (92.30-92.39)

01.42 Operations on globus pallidus
  Pallidoansectomy
  Pallidotomy

Excludes: that by stereotactic radiosurgery (92.30-92.39)

01.5 Other excision or destruction of brain and meninges

01.51 Excision of lesion or tissue of cerebral meninges
  Decortication of (cerebral) meninges
  Resection of (cerebral) meninges
  Stripping of subdural membrane of (cerebral) meninges

Excludes: biopsy of cerebral meninges (01.11-01.12)

01.52 Hemispherectomy

01.53 Lobectomy of brain

01.59 Other excision or destruction of lesion or tissue of brain
  Amygdalohippocampectomy
  Curettage of brain
  Debridement of brain
  Marsupialization of brain cyst
Transtemporal (mastoid) excision of brain tumor

Excludes: biopsy of brain (01.13-01.14)
laser interstitial thermal therapy [LITT] of lesion or tissue of brain under guidance (17.61)
that by stereotactic radiosurgery (92.30-92.39)

01.6 Excision of lesion of skull
Removal of granulation tissue of cranium

Excludes: biopsy of skull (01.15)
sequestrectomy (01.25)

02 Other operations on skull, brain, and cerebral meninges

02.0 Cranioplasty
Excludes: that with synchronous repair of encephalocele (02.12)

02.01 Opening of cranial suture
  Linear craniectomy
  Strip craniectomy

02.02 Elevation of skull fracture fragments
  Debridement of compound fracture of skull
  Decompression of skull fracture
  Reduction of skull fracture

Code also any synchronous debridement of brain (01.59)
Excludes: debridement of skull NOS (01.25)
  removal of granulation tissue of cranium (01.6)

02.03 Formation of cranial bone flap
  Repair of skull with flap

02.04 Bone graft to skull
  Pericranial graft (autogenous) (heterogenous)

02.05 Insertion of skull plate
  Replacement of skull plate

02.06 Other cranial osteoplasty
  Repair of skull NOS
  Revision of bone flap of skull

02.07 Removal of skull plate
  Excludes: removal with synchronous replacement (02.05)

02.1 Repair of cerebral meninges
Excludes: marsupialization of cerebral lesion (01.59)

02.11 Simple suture of dura mater of brain

02.12 Other repair of cerebral meninges
  Closure of fistula of cerebrospinal fluid
  Dural graft
  Repair of encephalocele including synchronous cranioplasty
  Repair of meninges NOS
  Subdural patch
02.13 Ligation of meningeal vessel
   Ligation of:
   - longitudinal sinus
   - middle meningeal artery

02.14 Choroid plexectomy
   Cauterization of choroid plexus

02.2 Ventriculostomy

02.21 Insertion or replacement of external ventricular drain [EVD]
   - External ventricular drainage [EVD] setup
   - Replacement of external ventricular drain
   - Ventricular catheter placement for:
     - drainage of cerebrospinal fluid [CSF]
     - injection of medication or other substance
     - sampling of cerebrospinal fluid [CSF]

Excludes: extracranial ventricular shunt (02.31-02.35, 02.39)
   intracranial ventricular shunt (02.22)
   other cranial puncture (01.09)
   ventricular shunt replacement (02.41-02.43)

02.22 Intracranial ventricular shunt or anastomosis
   Anastomosis of ventricle to:
   - cervical subarachnoid space
   - cisterna magna
   - Insertion of Holter valve into intracranial system
   - Shunt between two intracranial ventricles
   - That by endoscopy
   - Third ventriculostomy
   - Ventriculocisternostomy

02.3 Extracranial ventricular shunt
   Includes: that with insertion of valve

02.31 Ventricular shunt to structure in head and neck
   - Ventricle to nasopharynx shunt
   - Ventriculomastoid anastomosis

02.32 Ventricular shunt to circulatory system
   - Ventriculoatrial anastomosis
   - Ventriculocaval shunt

02.33 Ventricular shunt to thoracic cavity
   - Ventriculopleural anastomosis

02.34 Ventricular shunt to abdominal cavity and organs
   - Ventriculocholecystostomy
   - Ventriculoenterostomy

02.35 Ventricular shunt to urinary system
   - Ventricle to ureter shunt

02.39 Ventricular shunt to extracranial site NEC
   - Ventricle to bone marrow shunt

02.4 Revision, removal, and irrigation of ventricular shunt
02.41 Irrigation and exploration of ventricular shunt
   Exploration of ventriculoperitoneal shunt at ventricular site
   Re-programming of ventriculoperitoneal shunt

02.42 Replacement of ventricular shunt
   Reinsertion of Holter valve
   Revision of ventriculoperitoneal shunt at ventricular site

02.43 Removal of ventricular shunt

02.9 Other operations on skull, brain, and cerebral meninges
Excludes: operations on:
   pineal gland (07.17, 07.51-07.59)
   pituitary gland [hypophysis] (07.13-07.15, 07.61-07.79)

02.91 Lysis of cortical adhesions

02.92 Repair of brain

02.93 Implantation or replacement of intracranial neurostimulator lead(s)
   Implantation, insertion, placement, or replacement of intracranial:
   brain pacemaker [neuropacemaker]
   depth electrodes
   epidural pegs
   electroencephalographic receiver
   foramen ovale electrodes
   intracranial electrostimulator
   subdural grids
   subdural strips

   Code also any:
   insertion of cranial implantation or replacement of neurostimulator pulse generator
   (01.20)
   insertion of subcutaneous neurostimulator pulse generator (86.94-86.98)

02.94 Insertion or replacement of skull tongs or halo traction device

02.95 Removal of skull tongs or halo traction device

02.96 Insertion of sphenoidal electrodes

02.99 Other
   Excludes: chemical shock therapy (94.24)
   electroshock therapy:
   subconvulsive (94.26)
   other (94.27)

03 Operations on spinal cord and spinal canal structures

Code also any application or administration of an adhesion barrier substance (99.77)

03.0 Exploration and decompression of spinal canal structures
   03.01 Removal of foreign body from spinal canal
   03.02 Reopening of laminectomy site
03.09 Other exploration and decompression of spinal canal

Decompression:
- laminectomy
- laminotomy
- expansile laminoplasty
- Exploration of spinal nerve root
- Foraminotomy

Code also any synchronous insertion, replacement and revision of posterior spinal motion preservation device(s), if performed (84.80-84.85)

Excludes: drainage of spinal fluid by anastomosis (03.71-03.79)
- laminectomy with excision of intervertebral disc (80.51)
- spinal tap (03.31)
  - that as operative approach -- omit code

03.1 Division of intraspinal nerve root
- Rhizotomy

03.2 Chordotomy

03.21 Percutaneous chordotomy
- Stereotactic chordotomy

03.29 Other chordotomy
- Chordotomy NOS
- Tractotomy (one-stage) (two-stage) of spinal cord
- Transection of spinal cord tracts

03.3 Diagnostic procedures on spinal cord and spinal canal structures

03.31 Spinal tap
- Lumbar puncture for removal of dye

Excludes: lumbar puncture for injection of dye [myelogram] (87.21)

03.32 Biopsy of spinal cord or spinal meninges

03.39 Other diagnostic procedures on spinal cord and spinal canal structures

Excludes: microscopic examination of specimen from nervous system or of spinal fluid (90.01-90.09)
- x-ray of spine (87.21-87.29)

03.4 Excision or destruction of lesion of spinal cord or spinal meninges

- Curettage of spinal cord or spinal meninges
- Debridement of spinal cord or spinal meninges
- Marsupialization of cyst of spinal cord or spinal meninges
- Resection of spinal cord or spinal meninges

Excludes: biopsy of spinal cord or meninges (03.32)

03.5 Plastic operations on spinal cord structures

03.51 Repair of spinal meningocele
- Repair of meningocele NOS

03.52 Repair of spinal myelomeningocele

03.53 Repair of vertebral fracture
- Elevation of spinal bone fragments
- Reduction of fracture of vertebrae
Removal of bony spicules from spinal canal

Excludes: percutaneous vertebral augmentation (81.66)
          percutaneous vertebroplasty (81.65)

03.59 Other repair and plastic operations on spinal cord structures

Repair of:
  diastematomyelia
  spina bifida NOS
  spinal cord NOS
  spinal meninges NOS
  vertebral arch defect

03.6 Lysis of adhesions of spinal cord and nerve roots

03.7 Shunt of spinal theca

Includes: that with valve

  03.71 Spinal subarachnoid-peritoneal shunt
  03.72 Spinal subarachnoid-ureteral shunt
  03.79 Other shunt of spinal theca
      Lumbar-subarachnoid shunt NOS
      Pleurothecal anastomosis
      Salpingothecal anastomosis

03.8 Injection of destructive agent into spinal canal

03.9 Other operations on spinal cord and spinal canal structures

  03.90 Insertion of catheter into spinal canal for infusion of therapeutic or palliative substances
      Insertion of catheter into epidural, subarachnoid, or subdural space of spine with intermittent or continuous infusion of drug (with creation of any reservoir)

      Code also any implantation of infusion pump (86.06)
  03.91 Injection of anesthetic into spinal canal for analgesia

      Excludes: that for operative anesthesia -- omit code
  03.92 Injection of other agent into spinal canal
      Intrathecal injection of steroid
      Subarachnoid perfusion of refrigerated saline

      Excludes: injection of:
      contrast material for myelogram (87.21)
      destructive agent into spinal canal (03.8)
  03.93 Implantation or replacement of spinal neurostimulator lead(s)

      Code also any insertion of neurostimulator pulse generator (86.94-86.98)
  03.94 Removal of spinal neurostimulator lead(s)

      Code also any removal of neurostimulator pulse generator (86.05)
  03.95 Spinal blood patch
  03.96 Percutaneous denervation of facet
  03.97 Revision of spinal thecal shunt
03.98  Removal of spinal thecal shunt
03.99  Other

04  Operations on cranial and peripheral nerves

04.0  Incision, division, and excision of cranial and peripheral nerves
Excludes:  opticociliary neurectomy (12.79)
          sympathetic ganglionectomy (05.21-05.29)

04.01  Excision of acoustic neuroma
       That by craniotomy
Excludes: that by stereotactic radiosurgery (92.30-92.39)

04.02  Division of trigeminal nerve
       Retrogasserian neurotomy

04.03  Division or crushing of other cranial and peripheral nerves
Excludes: that of:
          glossopharyngeal nerve (29.92)
          laryngeal nerve (31.91)
          nerves to adrenal glands (07.42)
          phrenic nerve for collapse of lung (33.31)
          vagus nerve (44.00-44.03)

04.04  Other incision of cranial and peripheral nerves

04.05  Gasserian ganglionectomy

04.06  Other cranial or peripheral ganglionectomy
Excludes: sympathetic ganglionectomy (05.21-05.29)

04.07  Other excision or avulsion of cranial and peripheral nerves
       Curettage of peripheral nerve
       Debridement of peripheral nerve
       Resection of peripheral nerve
       Excision of peripheral neuroma [Morton's]
Excludes: biopsy of cranial or peripheral nerve (04.11-04.12)

04.1  Diagnostic procedures on peripheral nervous system

04.11  Closed [percutaneous] [needle] biopsy of cranial or peripheral nerve or ganglion

04.12  Open biopsy of cranial or peripheral nerve or ganglion

04.19  Other diagnostic procedures on cranial and peripheral nerves and ganglia
Excludes: microscopic examination of specimen from nervous system  (90.01-90.09)
          neurologic examination (89.13)

04.2  Destruction of cranial and peripheral nerves
       Destruction of cranial or peripheral nerves by:
          cryoanalgesia
          injection of neurolytic agent
          radiofrequency
          Radiofrequency ablation

04.3  Suture of cranial and peripheral nerves
<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
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<tbody>
<tr>
<td>04.4</td>
<td>Lysis of adhesions and decompression of cranial and peripheral nerves</td>
</tr>
<tr>
<td>04.41</td>
<td>Decompression of trigeminal nerve root</td>
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<td>04.42</td>
<td>Other cranial nerve decompression</td>
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<tr>
<td>04.43</td>
<td>Release of carpal tunnel</td>
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<td>04.44</td>
<td>Release of tarsal tunnel</td>
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<td>04.49</td>
<td>Other peripheral nerve or ganglion decompression or lysis of adhesions</td>
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<td>Peripheral nerve neurolysis NOS</td>
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<td>04.5</td>
<td>Cranial or peripheral nerve graft</td>
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<td>04.6</td>
<td>Transposition of cranial and peripheral nerves</td>
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<td>Nerve transplantation</td>
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<td>04.7</td>
<td>Other cranial or peripheral neuroplasty</td>
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<tr>
<td>04.71</td>
<td>Hypoglossal-facial anastomosis</td>
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<tr>
<td>04.72</td>
<td>Accessory-facial anastomosis</td>
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<tr>
<td>04.73</td>
<td>Accessory-hypoglossal anastomosis</td>
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<tr>
<td>04.74</td>
<td>Other anastomosis of cranial or peripheral nerve</td>
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<tr>
<td>04.75</td>
<td>Revision of previous repair of cranial and peripheral nerves</td>
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<tr>
<td>04.76</td>
<td>Repair of old traumatic injury of cranial and peripheral nerves</td>
</tr>
<tr>
<td>04.79</td>
<td>Other neuroplasty</td>
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<tr>
<td>04.8</td>
<td>Injection into peripheral nerve</td>
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<tr>
<td></td>
<td>Excludes: destruction of nerve (by injection of neurolytic agent) (04.2)</td>
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<tr>
<td>04.80</td>
<td>Peripheral nerve injection, not otherwise specified</td>
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<tr>
<td>04.81</td>
<td>Injection of anesthetic into peripheral nerve for analgesia</td>
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<tr>
<td></td>
<td>Excludes: that for operative anesthesia -- omit code</td>
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<tr>
<td>04.89</td>
<td>Injection of other agent, except neurolytic</td>
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<td>Excludes: injection of neurolytic agent (04.2)</td>
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<tr>
<td>04.9</td>
<td>Other operations on cranial and peripheral nerves</td>
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<tr>
<td>04.91</td>
<td>Neurectasis</td>
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<tr>
<td>04.92</td>
<td>Implantation or replacement of peripheral neurostimulator lead(s)</td>
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<td></td>
<td>Code also any insertion of neurostimulator pulse generator (86.94-86.98)</td>
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<td></td>
<td>Excludes: implantation or replacement of carotid sinus stimulation lead(s) (39.82)</td>
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<td>04.93</td>
<td>Removal of peripheral neurostimulator lead(s)</td>
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<td>Code also any removal of neurostimulator pulse generator (86.05)</td>
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<td>04.99</td>
<td>Other</td>
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<tr>
<td>05</td>
<td>Operations on sympathetic nerves or ganglia</td>
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<tr>
<td>Excludes: paracervical uterine denervation (69.3)</td>
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<tr>
<td>05.0</td>
<td>Division of sympathetic nerve or ganglion</td>
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<td>Excludes: that of nerves to adrenal glands (07.42)</td>
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<td>05.1</td>
<td>Diagnostic procedures on sympathetic nerves or ganglia</td>
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<td>05.11</td>
<td>Biopsy of sympathetic nerve or ganglion</td>
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<td>05.19</td>
<td>Other diagnostic procedures on sympathetic nerves or ganglia</td>
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<td>05.2</td>
<td>Sympathectomy</td>
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<td>05.21</td>
<td>Sphenopalatine ganglionectomy</td>
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<td>05.22</td>
<td>Cervical sympathectomy</td>
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<td>05.23</td>
<td>Lumbar sympathectomy</td>
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<td>Presacral sympathectomy</td>
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<td>05.25</td>
<td>Periarterial sympathectomy</td>
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<td>05.29</td>
<td>Other sympathectomy and ganglionectomy</td>
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<tr>
<td>Excision or avulsion of sympathetic nerve NOS</td>
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<tr>
<td>Sympathetic ganglionectomy NOS</td>
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</tr>
<tr>
<td>Excludes: biopsy of sympathetic nerve or ganglion (05.11)</td>
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<tr>
<td>opticociliary neurectomy (12.79)</td>
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<tr>
<td>periarterial sympathectomy (05.25)</td>
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<tr>
<td>tympanosympathectomy (20.91)</td>
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<td>05.3</td>
<td>Injection into sympathetic nerve or ganglion</td>
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<tr>
<td>Excludes: injection of ciliary sympathetic ganglion (12.79)</td>
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<tr>
<td>05.31</td>
<td>Injection of anesthetic into sympathetic nerve for analgesia</td>
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<td>05.32</td>
<td>Injection of neurolytic agent into sympathetic nerve</td>
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<td>05.39</td>
<td>Other injection into sympathetic nerve or ganglion</td>
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<td>05.8</td>
<td>Other operations on sympathetic nerves or ganglia</td>
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<td>05.81</td>
<td>Repair of sympathetic nerve or ganglion</td>
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<td>05.89</td>
<td>Other</td>
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<td>05.9</td>
<td>Other operations on nervous system</td>
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</tbody>
</table>

## 2. OPERATIONS ON THE ENDOCRINE SYSTEM (06-07)

<table>
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<th>06</th>
<th>Operations on thyroid and parathyroid glands</th>
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<tbody>
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<td>Includes: incidental resection of hyoid bone</td>
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<tr>
<td>06.0</td>
<td>Incision of thyroid field</td>
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</tbody>
</table>
Excludes: division of isthmus (06.91)

06.01 Aspiration of thyroid field
  Percutaneous or needle drainage of thyroid field
Excludes: aspiration biopsy of thyroid (06.11)
  drainage by incision (06.09)
  postoperative aspiration of field (06.02)

06.02 Reopening of wound of thyroid field
  Reopening of wound of thyroid field for:
  control of (postoperative) hemorrhage
  examination
  exploration
  removal of hematoma

06.09 Other incision of thyroid field
  Drainage of hematoma by incision
  Drainage of thyroglossal tract by incision
  Exploration:
    neck by incision
    thyroid (field) by incision
  Removal of foreign body by incision
  Thyroidotomy NOS by incision
Excludes: postoperative exploration (06.02)
  removal of hematoma by aspiration (06.01)

06.1 Diagnostic procedures on thyroid and parathyroid glands

06.11 Closed [percutaneous] [needle] biopsy of thyroid gland
  Aspiration biopsy of thyroid

06.12 Open biopsy of thyroid gland

06.13 Biopsy of parathyroid gland

06.19 Other diagnostic procedures on thyroid and parathyroid glands
Excludes: radioisotope scan of:
  parathyroid (92.13)
  thyroid (92.01)
  soft tissue x-ray of thyroid field (87.09)

06.2 Unilateral thyroid lobectomy
  Complete removal of one lobe of thyroid (with removal of isthmus or portion of other lobe)
  Hemithyroidectomy
Excludes: partial substernal thyroidectomy (06.51)

06.3 Other partial thyroidectomy

06.31 Excision of lesion of thyroid
Excludes: biopsy of thyroid (06.11-06.12)
  laser interstitial thermal therapy [LITT] of lesion or tissue of neck under guidance
  (17.62)

06.39 Other
  Isthmectomy
  Partial thyroidectomy NOS
Excludes: partial substernal thyroidectomy (06.51)

06.4 Complete thyroidectomy
Excludes: complete substernal thyroidectomy (06.52)
    that with laryngectomy (30.3-30.4)

06.5 Substernal thyroidectomy
    06.50 Substernal thyroidectomy, not otherwise specified
    06.51 Partial substernal thyroidectomy
    06.52 Complete substernal thyroidectomy

06.6 Excision of lingual thyroid
    Excision of thyroid by:
        submental route
        transoral route

06.7 Excision of thyroglossal duct or tract

06.8 Parathyroidectomy
    06.81 Complete parathyroidectomy
    06.89 Other parathyroidectomy
        Parathyroidectomy NOS
        Partial parathyroidectomy
    Excludes: biopsy of parathyroid (06.13)

06.9 Other operations on thyroid (region) and parathyroid
    06.91 Division of thyroid isthmus
        Transection of thyroid isthmus
    06.92 Ligation of thyroid vessels
    06.93 Suture of thyroid gland
    06.94 Thyroid tissue reimplantation
        Autotransplantation of thyroid tissue
    06.95 Parathyroid tissue reimplantation
        Autotransplantation of parathyroid tissue
    06.98 Other operations on thyroid glands
    06.99 Other operations on parathyroid glands

07 Operations on other endocrine glands

Includes: operations on:
    adrenal glands
    pineal gland
    pituitary gland
    thymus

Excludes: operations on:
    aortic and carotid bodies (39.89)
    ovaries (65.0-65.99)
pancreas (52.01-52.99)
testes (62.0-62.99)

07.0 Exploration of adrenal field
Excludes: incision of adrenal (gland) (07.41)
   07.00 Exploration of adrenal field, not otherwise specified
   07.01 Unilateral exploration of adrenal field
   07.02 Bilateral exploration of adrenal field

07.1 Diagnostic procedures on adrenal glands, pituitary gland, pineal gland, and thymus
   07.11 Closed [percutaneous] [needle] biopsy of adrenal gland
   07.12 Open biopsy of adrenal gland
   07.13 Biopsy of pituitary gland, transfrontal approach
   07.14 Biopsy of pituitary gland, transsphenoidal approach
   07.15 Biopsy of pituitary gland, unspecified approach
   07.16 Biopsy of thymus
   07.17 Biopsy of pineal gland
   07.19 Other diagnostic procedures on adrenal glands, pituitary gland, pineal gland, and thymus
      Excludes: microscopic examination of specimen from endocrine gland (90.11-90.19)
      radioisotope scan of pituitary gland (92.11)

07.2 Partial adrenalectomy
   07.21 Excision of lesion of adrenal gland
      Excludes: biopsy of adrenal gland (07.11-07.12)
   07.22 Unilateral adrenalectomy
      Adrenalectomy NOS
      Excludes: excision of remaining adrenal gland (07.3)
   07.29 Other partial adrenalectomy
      Partial adrenalectomy NOS

07.3 Bilateral adrenalectomy
   Excision of remaining adrenal gland
   Excludes: bilateral partial adrenalectomy (07.29)

07.4 Other operations on adrenal glands, nerves, and vessels
   07.41 Incision of adrenal gland
      Adrenalotomy (with drainage)
   07.42 Division of nerves to adrenal glands
   07.43 Ligation of adrenal vessels
   07.44 Repair of adrenal gland
07.45 Reimplantation of adrenal tissue
   Autotransplantation of adrenal tissue

07.49 Other

07.5 Operations on pineal gland

07.51 Exploration of pineal field
   Excludes: that with incision of pineal gland (07.52)

07.52 Incision of pineal gland

07.53 Partial excision of pineal gland
   Excludes: biopsy of pineal gland (07.17)

07.54 Total excision of pineal gland
   Pinealectomy (complete) (total)

07.59 Other operations on pineal gland

07.6 Hypophysectomy

07.61 Partial excision of pituitary gland, transfrontal approach
   Cryohypophysectomy, partial transfrontal approach
   Division of hypophyseal stalk transfrontal approach
   Excision of lesion of pituitary [hypophysis] transfrontal approach
   Hypophysectomy, subtotal transfrontal approach
   Infundibulectomy, hypophyseal transfrontal approach
   Excludes: biopsy of pituitary gland, transfrontal approach (07.13)

07.62 Partial excision of pituitary gland, transsphenoidal approach
   Excludes: biopsy of pituitary gland, transsphenoidal approach (07.14)

07.63 Partial excision of pituitary gland, unspecified approach
   Excludes: biopsy of pituitary gland NOS (07.15)

07.64 Total excision of pituitary gland, transfrontal approach
   Ablation of pituitary by implantation (strontium-yttrium) (Y) transfrontal approach
   Cryohypophysectomy, complete transfrontal approach

07.65 Total excision of pituitary gland, transsphenoidal approach

07.68 Total excision of pituitary gland, other specified approach

07.69 Total excision of pituitary gland, unspecified approach
   Hypophysectomy NOS
   Pituitectomy NOS

07.7 Other operations on hypophysis

07.71 Exploration of pituitary fossa
   Excludes: exploration with incision of pituitary gland (07.72)

07.72 Incision of pituitary gland
   Aspiration of:
     craniobuccal pouch
     craniopharyngioma
     hypophysis
pituitary gland
Rathke's pouch

07.79 Other
Insertion of pack into sella turcica

07.8 Thymectomy

07.80 Thymectomy, not otherwise specified

07.81 Other partial excision of thymus
Open partial excision of thymus
Excludes: biopsy of thymus (07.16)
thoracoscopic partial excision of thymus (07.83)

07.82 Other total excision of thymus
Open total excision of thymus
Excludes: thoracoscopic total excision of thymus (07.84)

07.83 Thoracoscopic partial excision of thymus
Excludes: other partial excision of thymus (07.81)

07.84 Thoracoscopic total excision of thymus
Excludes: other total excision of thymus (07.82)

07.9 Other operations on thymus

07.91 Exploration of thymus field
Excludes: exploration with incision of thymus (07.92)

07.92 Other incision of thymus
Open incision of thymus
Excludes: thoracoscopic incision of thymus (07.95)

07.93 Repair of thymus

07.94 Transplantation of thymus

07.95 Thoracoscopic incision of thymus
Excludes: other incision of thymus (07.92)

07.98 Other and unspecified thoracoscopic operations on thymus

07.99 Other and unspecified operations on thymus
Transcervical thymectomy
Excludes: other thoracoscopic operations on thymus (07.98)

3. OPERATIONS ON THE EYE (08-16)

08 Operations on eyelids
Includes: operations on the eyebrow

08.0 Incision of eyelid
08.01 Incision of lid margin
08.02 Severing of blepharorrhaphy
08.09 Other incision of eyelid

08.1 Diagnostic procedures on eyelid
08.11 Biopsy of eyelid
08.19 Other diagnostic procedures on eyelid

08.2 Excision or destruction of lesion or tissue of eyelid
Code also any synchronous reconstruction (08.61-08.74)
Excludes: biopsy of eyelid (08.11)

08.20 Removal of lesion of eyelid, not otherwise specified
   Removal of meibomian gland NOS
08.21 Excision of chalazion
08.22 Excision of other minor lesion of eyelid
   Excision of:
   verruca
   wart
08.23 Excision of major lesion of eyelid, partial-thickness
   Excision involving one-fourth or more of lid margin, partial-thickness
08.24 Excision of major lesion of eyelid, full-thickness
   Excision involving one-fourth or more of lid margin, full-thickness
   Wedge resection of eyelid
08.25 Destruction of lesion of eyelid

08.3 Repair of blepharoptosis and lid retraction
08.31 Repair of blepharoptosis by frontalis muscle technique with suture
08.32 Repair of blepharoptosis by frontalis muscle technique with fascial sling
08.33 Repair of blepharoptosis by resection or advancement of levator muscle or aponeurosis
08.34 Repair of blepharoptosis by other levator muscle techniques
08.35 Repair of blepharoptosis by tarsal technique
08.36 Repair of blepharoptosis by other techniques
   Correction of eyelid ptosis NOS
   Orbicularis oculi muscle sling for correction of blepharoptosis
08.37 Reduction of overcorrection of ptosis
08.38 Correction of lid retraction

08.4 Repair of entropion or ectropion
08.41 Repair of entropion or ectropion by thermocauterization
08.42 Repair of entropion or ectropion by suture technique
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<tr>
<th>Procedure Description</th>
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<tr>
<td>Repair of entropion or ectropion with wedge resection</td>
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<td>Repair of entropion or ectropion with lid reconstruction</td>
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<td>Canthotomy</td>
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<td>Enlargement of palpebral fissure</td>
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<td>Tarsorrhaphy</td>
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<td>Repair of epicanthal fold</td>
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<tr>
<td>Reconstruction of eyelid with flaps or grafts</td>
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<td>Reconstruction of eyelid with hair follicle graft</td>
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<tr>
<td>Reconstruction of eyelid with tarsocconjunctival flap</td>
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<td>Transfer of tarsocconjunctival flap from opposing lid</td>
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<td>Other reconstruction of eyelid with flaps or grafts</td>
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<td>Reconstruction of eyelid involving lid margin, partial-thickness</td>
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<td>Reconstruction of eyelid involving lid margin, full-thickness</td>
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<td>Linear repair of laceration of eyelid or eyebrow</td>
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<td>Biopsy of lacrimal gland</td>
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<td>Biopsy of lacrimal sac</td>
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<td>Other diagnostic procedures on lacrimal system</td>
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<td>soft tissue x-ray of nasolacrimal duct (87.09)</td>
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<td>Excludes: biopsy of lacrimal gland (09.11)</td>
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<td>09.22</td>
<td>Other partial dacryoadenectomy</td>
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<td>Excludes: biopsy of lacrimal gland (09.11)</td>
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<td>Total dacryoadenectomy</td>
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<td>09.3</td>
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<td>09.4</td>
<td>Manipulation of lacrimal passage</td>
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<td>Includes: removal of calculus</td>
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<td>that with dilation</td>
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<td>Excludes: contrast dacryocystogram (87.05)</td>
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<td>09.41</td>
<td>Probing of lacrimal punctum</td>
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<td>09.42</td>
<td>Probing of lacrimal canaliculi</td>
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<td>09.43</td>
<td>Probing of nasolacrimal duct</td>
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<td>Excludes: that with insertion of tube or stent (09.44)</td>
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<tr>
<td>09.44</td>
<td>Intubation of nasolacrimal duct</td>
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<td>Insertion of stent into nasolacrimal duct</td>
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<td>09.49</td>
<td>Other manipulation of lacrimal passage</td>
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</table>
09.5 Incision of lacrimal sac and passages
  09.51 Incision of lacrimal punctum
  09.52 Incision of lacrimal canaliculi
  09.53 Incision of lacrimal sac
  09.59 Other incision of lacrimal passages
    Incision (and drainage) of nasolacrimal duct NOS

09.6 Excision of lacrimal sac and passage
Excludes: biopsy of lacrimal sac (09.12)

09.7 Repair of canaliculus and punctum
Excludes: repair of eyelid (08.81-08.89)
  09.71 Correction of everted punctum
  09.72 Other repair of punctum
  09.73 Repair of canaliculus

09.8 Fistulization of lacrimal tract to nasal cavity
  09.81 Dacryocystorhinostomy [DCR]
  09.82 Conjunctivocystorhinostomy
    Conjunctivodacryocystorhinostomy [CDCR]
    Excludes: that with insertion of tube or stent (09.83)
  09.83 Conjunctivorhinostomy with insertion of tube or stent

09.9 Other operations on lacrimal system
  09.91 Obliteration of lacrimal punctum
  09.99 Other

10 Operations on conjunctiva

10.0 Removal of embedded foreign body from conjunctiva by incision
Excludes: removal of:
  embedded foreign body without incision (98.22)
  superficial foreign body (98.21)

10.1 Other incision of conjunctiva

10.2 Diagnostic procedures on conjunctiva
  10.21 Biopsy of conjunctiva
  10.29 Other diagnostic procedures on conjunctiva

10.3 Excision or destruction of lesion or tissue of conjunctiva
  10.31 Excision of lesion or tissue of conjunctiva
    Excision of ring of conjunctiva around cornea
    Excludes: biopsy of conjunctiva (10.21)
10.32  Destruction of lesion of conjunctiva
Excludes: excision of lesion (10.31)
  thermocauterization for entropion (08.41)

10.33  Other destructive procedures on conjunctiva
  Removal of trachoma follicles

10.4  Conjunctivoplasty
  10.41  Repair of symblepharon with free graft
  10.42  Reconstruction of conjunctival cul-de-sac with free graft
  Excludes: revision of enucleation socket with graft (16.63)
  10.43  Other reconstruction of conjunctival cul-de-sac
  Excludes: revision of enucleation socket (16.64)
  10.44  Other free graft to conjunctiva
  10.49  Other conjunctivoplasty
  Excludes: repair of cornea with conjunctival flap (11.53)

10.5  Lysis of adhesions of conjunctiva and eyelid
  Division of symblepharon (with insertion of conformer)

10.6  Repair of laceration of conjunctiva
Excludes: that with repair of sclera (12.81)

10.9  Other operations on conjunctiva
  10.91  Subconjunctival injection
  10.99  Other

11  Operations on cornea

11.0  Magnetic removal of embedded foreign body from cornea
Excludes: that with incision (11.1)

11.1  Incision of cornea
  Incision of cornea for removal of foreign body

11.2  Diagnostic procedures on cornea
  11.21  Scraping of cornea for smear or culture
  11.22  Biopsy of cornea
  11.29  Other diagnostic procedures on cornea

11.3  Excision of pterygium
  11.31  Transposition of pterygium
  11.32  Excision of pterygium with corneal graft
  11.39  Other excision of pterygium
11.4 Excision or destruction of tissue or other lesion of cornea

11.41 Mechanical removal of corneal epithelium
   That by chemocauterization
Excludes: that for smear or culture (11.21)

11.42 Thermocauterization of corneal lesion

11.43 Cryotherapy of corneal lesion

11.49 Other removal or destruction of corneal lesion
   Excision of cornea NOS
Excludes: biopsy of cornea (11.22)

11.5 Repair of cornea

11.51 Suture of corneal laceration

11.52 Repair of postoperative wound dehiscence of cornea

11.53 Repair of corneal laceration or wound with conjunctival flap

11.59 Other repair of cornea

11.6 Corneal transplant
Excludes: excision of pterygium with corneal graft (11.32)

11.60 Corneal transplant, not otherwise specified
   Keratoplasty NOS

Note: To report donor source - see codes 00.91-00.93

11.61 Lamellar keratoplasty with autograft

11.62 Other lamellar keratoplasty

11.63 Penetrating keratoplasty with autograft
   Perforating keratoplasty with autograft

11.64 Other penetrating keratoplasty
   Perforating keratoplasty (with homograft)

11.69 Other corneal transplant

11.7 Other reconstructive and refractive surgery on cornea

11.71 Keratomileusis

11.72 Keratophakia

11.73 Keratoprosthesis

11.74 Thermokeratoplasty

11.75 Radial keratotomy

11.76 Epikeratophakia

11.79 Other
11.9 Other operations on cornea
   11.91 Tattooing of cornea
   11.92 Removal of artificial implant from cornea
   11.99 Other

12 Operations on iris, ciliary body, sclera, and anterior chamber

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>12.0</td>
<td>Removal of intraocular foreign body from anterior segment of eye</td>
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<tr>
<td>12.00</td>
<td>Removal of intraocular foreign body from anterior segment of eye, not otherwise specified</td>
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<tr>
<td>12.01</td>
<td>Removal of intraocular foreign body from anterior segment of eye with use of magnet</td>
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<tr>
<td>12.02</td>
<td>Removal of intraocular foreign body from anterior segment of eye without use of magnet</td>
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12.1 Iridotomy and simple iridectomy

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<tr>
<td>12.11</td>
<td>Iridotomy with transfixion</td>
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<td>12.12</td>
<td>Other iridotomy</td>
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<tr>
<td>12.12.1</td>
<td>Corectomy</td>
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<tr>
<td>12.12.2</td>
<td>Discission of iris</td>
</tr>
<tr>
<td>12.12.3</td>
<td>Iridotomy NOS</td>
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<tr>
<td>12.13</td>
<td>Excision of prolapsed iris</td>
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<tr>
<td>12.14</td>
<td>Other iridectomy</td>
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<tr>
<td>12.14.1</td>
<td>Iridectomy (basal) (peripheral) (total)</td>
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12.2 Diagnostic procedures on iris, ciliary body, sclera, and anterior chamber

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<tr>
<td>12.21</td>
<td>Diagnostic aspiration of anterior chamber of eye</td>
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<td>12.22</td>
<td>Biopsy of iris</td>
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<tr>
<td>12.29</td>
<td>Other diagnostic procedures on iris, ciliary body, sclera, and anterior chamber</td>
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12.3 Iridoplasty and coreoplasty

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<tr>
<td>12.31</td>
<td>Lysis of goniosynechiae</td>
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<td>Lysis of goniosynechiae by injection of air or liquid</td>
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<td>12.32</td>
<td>Lysis of other anterior synechiae</td>
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<td>Lysis of anterior synechiae: NOS</td>
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<td>12.33</td>
<td>Lysis of posterior synechiae</td>
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<td>12.33.1</td>
<td>Lysis of iris adhesions NOS</td>
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<td>Lysis of corneovitreous adhesions</td>
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Excludes: operations on cornea (11.0-11.99)
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<td>Other iridoplasty</td>
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<td>12.4</td>
<td>Excision or destruction of lesion of iris and ciliary body</td>
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<td>Removal of lesion of anterior segment of eye, not otherwise specified</td>
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<td>Destruction of lesion of iris, nonexcisional</td>
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<td>Destruction of lesion of ciliary body, nonexcisional</td>
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<td>Facilitation of intraocular circulation</td>
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<td>Goniotomy with goniopuncture</td>
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<td>Trephination of sclera with iridectomy</td>
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<td>- Filtration canal shunt or device</td>
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<td>Other fistulizing procedure</td>
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12.7 Other procedures for relief of elevated intraocular pressure

12.71 Cyclodiathermy
12.72 Cyclocryotherapy
12.73 Cyclophotocoagulation
12.74 Diminution of ciliary body, not otherwise specified
12.79 Other glaucoma procedures

12.8 Operations on sclera

Excludes: those associated with:
  retinal reattachment (14.41-14.59)
  scleral fistulization (12.61-12.69)

12.81 Suture of laceration of sclera
  Suture of sclera with synchronous repair of conjunctiva

12.82 Repair of scleral fistula
Excludes: postoperative revision of scleral fistulization procedure (12.66)

12.83 Revision of operative wound of anterior segment, not elsewhere classified
Excludes: postoperative revision of scleral fistulization procedure (12.66)

12.84 Excision or destruction of lesion of sclera

12.85 Repair of scleral staphyloma with graft

12.86 Other repair of scleral staphyloma

12.87 Scleral reinforcement with graft

12.88 Other scleral reinforcement

12.89 Other operations on sclera
  Exploratory sclerotomy

12.9 Other operations on iris, ciliary body, and anterior chamber

12.91 Therapeutic evacuation of anterior chamber
  Paracentesis of anterior chamber
Excludes: diagnostic aspiration (12.21)

12.92 Injection into anterior chamber
  Injection of:
    air into anterior chamber
    liquid into anterior chamber
    medication into anterior chamber

12.93 Removal or destruction of epithelial downgrowth from anterior chamber
Excludes: that with iridectomy (12.41-12.42)

12.97 Other operations on iris

12.98 Other operations on ciliary body

12.99 Other operations on anterior chamber
<table>
<thead>
<tr>
<th>13</th>
<th>Operations on lens</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.0</td>
<td>Removal of foreign body from lens</td>
</tr>
<tr>
<td>Excludes: removal of pseudophakos (13.8)</td>
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<tr>
<td>13.00</td>
<td>Removal of foreign body from lens, not otherwise specified</td>
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<tr>
<td>13.01</td>
<td>Removal of foreign body from lens with use of magnet</td>
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<tr>
<td>13.02</td>
<td>Removal of foreign body from lens without use of magnet</td>
</tr>
<tr>
<td>13.1</td>
<td>Intracapsular extraction of lens</td>
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<tr>
<td>Code also any synchronous insertion of pseudophakos (13.71)</td>
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<tr>
<td>13.11</td>
<td>Intracapsular extraction of lens by temporal inferior route</td>
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<tr>
<td>13.19</td>
<td>Other intracapsular extraction of lens</td>
</tr>
<tr>
<td>Cataract extraction NOS</td>
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<tr>
<td>Cryoextraction of lens</td>
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<tr>
<td>Erysiphake extraction of cataract</td>
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<tr>
<td>Extraction of lens NOS</td>
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<tr>
<td>13.2</td>
<td>Extracapsular extraction of lens by linear extraction technique</td>
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<td>Code also any synchronous insertion of pseudophakos (13.71)</td>
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<td>13.3</td>
<td>Extracapsular extraction of lens by simple aspiration (and irrigation) technique</td>
</tr>
<tr>
<td>Irrigation of traumatic cataract</td>
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<tr>
<td>Code also any synchronous insertion of pseudophakos (13.71)</td>
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<tr>
<td>13.4</td>
<td>Extracapsular extraction of lens by fragmentation and aspiration technique</td>
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<tr>
<td>Code also any synchronous insertion of pseudophakos (13.71)</td>
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<tr>
<td>13.41</td>
<td>Phacoemulsification and aspiration of cataract</td>
</tr>
<tr>
<td>13.42</td>
<td>Mechanical phacofragmentation and aspiration of cataract by posterior route</td>
</tr>
<tr>
<td>Code also any synchronous vitrectomy (14.74)</td>
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<tr>
<td>13.43</td>
<td>Mechanical phacofragmentation and other aspiration of cataract</td>
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<td>13.5</td>
<td>Other extracapsular extraction of lens</td>
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<tr>
<td>Code also any synchronous insertion of pseudophakos (13.71)</td>
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<td>13.51</td>
<td>Extracapsular extraction of lens by temporal inferior route</td>
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<td>13.59</td>
<td>Other extracapsular extraction of lens</td>
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<tr>
<td>13.6</td>
<td>Other cataract extraction</td>
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<td>Code also any synchronous insertion of pseudophakos (13.71)</td>
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<tr>
<td>13.64</td>
<td>Discission of secondary membrane [after cataract]</td>
</tr>
<tr>
<td>13.65</td>
<td>Excision of secondary membrane [after cataract]</td>
</tr>
<tr>
<td>Capsulectomy</td>
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</tr>
<tr>
<td>13.66</td>
<td>Mechanical fragmentation of secondary membrane [after cataract]</td>
</tr>
<tr>
<td>13.69</td>
<td>Other cataract extraction</td>
</tr>
</tbody>
</table>
13.7 Insertion of prosthetic lens [pseudophakos]
Excludes: implantation of intraocular telescope prosthesis (13.91)
   13.70 Insertion of pseudophakos, not otherwise specified
   13.71 Insertion of intraocular lens prosthesis at time of cataract extraction, one-stage
       Code also synchronous extraction of cataract (13.11-13.69)
   13.72 Secondary insertion of intraocular lens prosthesis

13.8 Removal of implanted lens
   Removal of pseudophakos

13.9 Other operations on lens
   13.90 Operation on lens, Not Elsewhere Classified
   13.91 Implantation of intraocular telescope prosthesis
       Implantable miniature telescope
       Includes: removal of lens, any method
       Excludes: secondary insertion of ocular implant (16.61)

14 Operations on retina, choroid, vitreous, and posterior chamber

14.0 Removal of foreign body from posterior segment of eye
Excludes: removal of surgically implanted material (14.6)
   14.00 Removal of foreign body from posterior segment of eye, not otherwise specified
   14.01 Removal of foreign body from posterior segment of eye with use of magnet
   14.02 Removal of foreign body from posterior segment of eye without use of magnet

14.1 Diagnostic procedures on retina, choroid, vitreous, and posterior chamber
   14.11 Diagnostic aspiration of vitreous
   14.19 Other diagnostic procedures on retina, choroid, vitreous, and posterior chamber

14.2 Destruction of lesion of retina and choroid
Includes: destruction of chorioretinopathy or isolated chorioretinal lesion
Excludes: that for repair of retina (14.31-14.59)
   14.21 Destruction of chorioretinal lesion by diathermy
   14.22 Destruction of chorioretinal lesion by cryotherapy
   14.23 Destruction of chorioretinal lesion by xenon arc photocoagulation
   14.24 Destruction of chorioretinal lesion by laser photocoagulation
   14.25 Destruction of chorioretinal lesion by photocoagulation of unspecified type
   14.26 Destruction of chorioretinal lesion by radiation therapy
   14.27 Destruction of chorioretinal lesion by implantation of radiation source
   14.29 Other destruction of chorioretinal lesion
14.3 Repair of retinal tear
Includes: repair of retinal defect
Excludes: repair of retinal detachment (14.41-14.59)
14.31 Repair of retinal tear by diathermy
14.32 Repair of retinal tear by cryotherapy
14.33 Repair of retinal tear by xenon arc photocoagulation
14.34 Repair of retinal tear by laser photocoagulation
14.35 Repair of retinal tear by photocoagulation of unspecified type
14.39 Other repair of retinal tear

14.4 Repair of retinal detachment with scleral buckling and implant
14.41 Scleral buckling with implant
14.49 Other scleral buckling
   Scleral buckling with:
   air tamponade
   resection of sclera
   vitrectomy

14.5 Other repair of retinal detachment
Includes: that with drainage
14.51 Repair of retinal detachment with diathermy
14.52 Repair of retinal detachment with cryotherapy
14.53 Repair of retinal detachment with xenon arc photocoagulation
14.54 Repair of retinal detachment with laser photocoagulation
14.55 Repair of retinal detachment with photocoagulation of unspecified type
14.59 Other

14.6 Removal of surgically implanted material from posterior segment of eye

14.7 Operations on vitreous
14.71 Removal of vitreous, anterior approach
   Open sky technique
   Removal of vitreous, anterior approach (with replacement)
14.72 Other removal of vitreous
   Aspiration of vitreous by posterior sclerotomy
14.73 Mechanical vitrectomy by anterior approach
14.74 Other mechanical vitrectomy
   Posterior approach
14.75 Injection of vitreous substitute
Excludes: that associated with removal (14.71-14.72)

14.79 Other operations on vitreous

14.8 Implantation of epiretinal visual prosthesis

14.81 Implantation of epiretinal visual prosthesis
   Note: Includes lens removal if present, scleral buckling, vitrectomy, epiretinal membrane peeling and pericardial grafting
   Excludes: implantation of intraocular telescope prosthesis (13.91) other operations on retina, choroid, and posterior chamber (14.9) replacement of epiretinal visual prosthesis (14.83)

14.82 Removal of epiretinal visual prosthesis
   Note: Includes 360 degree limbal peritomy and vitrectomy if performed, and device extraction
   Excludes: removal of eye prosthesis (97.31)

14.83 Revision or replacement of epiretinal visual prosthesis
   Note: Includes tack replacement, device relocation, and replacement of pericardial grafting, if needed
   Excludes: implantation of epiretinal visual prosthesis (14.81)

14.9 Other operations on retina, choroid, and posterior chamber
## 15 Operations on extraocular muscles

### 15.0 Diagnostic procedures on extraocular muscles or tendons
- **15.01 Biopsy of extraocular muscle or tendon**
- **15.09 Other diagnostic procedures on extraocular muscles and tendons**

### 15.1 Operations on one extraocular muscle involving temporary detachment from globe
- **15.11 Recession of one extraocular muscle**
- **15.12 Advancement of one extraocular muscle**
- **15.13 Resection of one extraocular muscle**
- **15.19 Other operations on one extraocular muscle involving temporary detachment from globe**
  
  Excludes: transposition of muscle (15.5)

### 15.2 Other operations on one extraocular muscle
- **15.21 Lengthening procedure on one extraocular muscle**
- **15.22 Shortening procedure on one extraocular muscle**
- **15.29 Other**

### 15.3 Operations on two or more extraocular muscles involving temporary detachment from globe, one or both eyes

### 15.4 Other operations on two or more extraocular muscles, one or both eyes

### 15.5 Transposition of extraocular muscles
  Excludes: that for correction of ptosis (08.31-08.36)

### 15.6 Revision of extraocular muscle surgery

### 15.7 Repair of injury of extraocular muscle
  - Freeing of entrapped extraocular muscle
  - Lysis of adhesions of extraocular muscle
  - Repair of laceration of extraocular muscle, tendon, or Tenon's capsule

### 15.9 Other operations on extraocular muscles and tendons

## 16 Operations on orbit and eyeball

Excludes: reduction of fracture of orbit (76.78-76.79)

### 16.0 Orbitotomy
- **16.01 Orbitotomy with bone flap**
- **16.02 Orbitotomy with insertion of orbital implant**
Excludes: that with bone flap (16.01)

16.09 Other orbitotomy

16.1 Removal of penetrating foreign body from eye, not otherwise specified
Excludes: removal of nonpenetrating foreign body (98.21)

16.2 Diagnostic procedures on orbit and eyeball
   16.21 Ophthalmoscopy
   16.22 Diagnostic aspiration of orbit
   16.23 Biopsy of eyeball and orbit
   16.29 Other diagnostic procedures on orbit and eyeball
Excludes: examination of form and structure of eye (95.11-95.16)
   general and subjective eye examination (95.01-95.09)
   microscopic examination of specimen from eye (90.21-90.29)
   objective functional tests of eye (95.21-95.26)
   ocular thermography (88.82)
   tonometry (89.11)
   x-ray of orbit (87.14, 87.16)

16.3 Evisceration of eyeball
   16.31 Removal of ocular contents with synchronous implant into scleral shell
   16.39 Other evisceration of eyeball

16.4 Enucleation of eyeball
   16.41 Enucleation of eyeball with synchronous implant into Tenon’s capsule with attachment of muscles
      Integrated implant of eyeball
   16.42 Enucleation of eyeball with other synchronous implant
   16.49 Other enucleation of eyeball
      Removal of eyeball NOS

16.5 Exenteration of orbital contents
   16.51 Exenteration of orbit with removal of adjacent structures
      Radical orbitomaxillectomy
   16.52 Exenteration of orbit with therapeutic removal of orbital bone
   16.59 Other exenteration of orbit
      Evisceration of orbit NOS
      Exenteration of orbit with temporalius muscle transplant

16.6 Secondary procedures after removal of eyeball
Excludes: that with synchronous:
   enucleation of eyeball (16.41-16.42)
   evisceration of eyeball (16.31)

   16.61 Secondary insertion of ocular implant
16.62 Revision and reinsertion of ocular implant
16.63 Revision of enucleation socket with graft
16.64 Other revision of enucleation socket
16.65 Secondary graft to exenteration cavity
16.66 Other revision of exenteration cavity
16.69 Other secondary procedures after removal of eyeball

16.7 Removal of ocular or orbital implant
16.71 Removal of ocular implant
16.72 Removal of orbital implant

16.8 Repair of injury of eyeball and orbit
16.81 Repair of wound of orbit
Excludes: reduction of orbital fracture (76.78-76.79)
repair of extraocular muscles (15.7)
16.82 Repair of rupture of eyeball
Repair of multiple structures of eye
Excludes: repair of laceration of:
cornea (11.51-11.59)
sclera (12.81)
16.89 Other repair of injury of eyeball or orbit

16.9 Other operations on orbit and eyeball
Excludes: irrigation of eye (96.51)
precription and fitting of low vision aids (95.31-95.33)
removal of:
eye prosthesis NEC (97.31)
nonpenetrating foreign body from eye without incision (98.21)
16.91 Retrobulbar injection of therapeutic agent
Excludes: injection of radiographic contrast material (87.14)
opticociliary injection (12.79)
16.92 Excision of lesion of orbit
Excludes: biopsy of orbit (16.23)
16.93 Excision of lesion of eye, unspecified structure
Excludes: biopsy of eye NOS (16.23)
16.98 Other operations on orbit
16.99 Other operations on eyeball

3A. OTHER MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES (17)
### 17 Other miscellaneous procedures

#### 17.1 Laparoscopic unilateral repair of inguinal hernia
Excludes: other and open unilateral repair of hernia (53.00-53.05)

- 17.11 Laparoscopic repair of direct inguinal hernia with graft or prosthesis
- 17.12 Laparoscopic repair of indirect inguinal hernia with graft or prosthesis
- 17.13 Laparoscopic repair of inguinal hernia with graft or prosthesis, not otherwise specified

#### 17.2 Laparoscopic bilateral repair of inguinal hernia
Excludes: other and open bilateral repair of hernia (53.10-53.17)

- 17.21 Laparoscopic bilateral repair of direct inguinal hernia with graft or prosthesis
- 17.22 Laparoscopic bilateral repair of indirect inguinal hernia with graft or prosthesis
- 17.23 Laparoscopic bilateral repair of inguinal hernia, one direct and one indirect, with graft or prosthesis
- 17.24 Laparoscopic bilateral repair of inguinal hernia with graft or prosthesis, not otherwise specified

#### 17.3 Laparoscopic partial excision of large intestine
Excludes: other and open partial excision of large intestine (45.71-45.79)

- 17.31 Laparoscopic multiple segmental resection of large intestine
- 17.32 Laparoscopic cecectomy
- 17.33 Laparoscopic right hemicolecction
- 17.34 Laparoscopic resection of transverse colon
- 17.35 Laparoscopic left hemicolecction
- 17.36 Laparoscopic sigmoidectomy
- 17.39 Other laparoscopic partial excision of large intestine

#### 17.4 Robotic assisted procedures
Code first primary procedure
Excludes: computer assisted surgery (00.31-00.35, 00.39)

Note: This category includes use of a computer console with (3-D) imaging, software, camera(s), visualization and instrumentation combined with the use of robotic arms, device(s), or system(s) at the time of the procedure.

- 17.41 Open robotic assisted procedure
  Robotic assistance in open procedure
- 17.42 Laparoscopic robotic assisted procedure
  Robotic assistance in laparoscopic procedure
17.43 Percutaneous robotic assisted procedure
   Robotic assistance in percutaneous procedure

17.44 Endoscopic robotic assisted procedure
   Robotic assistance in endoscopic procedure

17.45 Thoracoscopic robotic assisted procedure
   Robotic assistance in thoracoscopic procedure

17.49 Other and unspecified robotic assisted procedure
   Robotic assistance in other and unspecified procedure

Excludes: endoscopic robotic assisted procedure (17.44)
   laparoscopic robotic assisted procedure (17.42)
   open robotic assisted procedure (17.41)
   percutaneous robotic assisted procedure (17.43)
   thoracoscopic robotic assisted procedure (17.45)

17.5 Additional cardiovascular procedures

17.51 Implantation of rechargeable cardiac contractility modulation [CCM], total system
   Note: Device testing during procedure - omit code
   Implantation of CCM system includes formation of pocket, transvenous leads,
   including placement of leads, placement of catheter into left ventricle, intraoperative
   procedures for evaluation of lead signals, obtaining sensing threshold
   measurements, obtaining defibrillator threshold measurements.
   Includes: implantation of device with removal of existing device

Code also any concomitant:
   coronary bypass (36.10-36.19)
   extracorporeal circulation (39.61)
   insertion or replacement of automatic cardioverter/defibrillator, total system [AICD]
   (37.94)

Excludes: implantation of CCM pulse generator only (17.52)

17.52 Implantation or replacement of cardiac contractility modulation [CCM] rechargeable pulse
generator only
   Note: Device testing during procedure - omit code
   Implantation of CCM device with removal of any existing CCM device

Code also any concomitant:
   revision of device pocket (37.79)
   revision of lead [electrode] (37.75)

17.53 Percutaneous atherectomy of extracranial vessel(s)
   Directional atherectomy
   Excimer laser atherectomy
   Rotational atherectomy
   That by laser
   That by transluminal extraction

Code also any:
   injection or infusion of thrombolytic agent (99.10)
   number of vascular stents inserted (00.45-00.48)
   number of vessels treated (00.40-00.43)
   percutaneous insertion of carotid artery stent(s) (00.63)
   percutaneous insertion of other extracranial artery stent(s) (00.64)
procedure on vessel bifurcation (00.44)

Excludes: angioplasty of other non-coronary vessel(s) (39.50)
atherectomy of intracranial vessel(s) (17.54)
atherectomy of other non-coronary vessel(s) (17.56)
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)

17.54 Percutaneous atherectomy of intracranial vessel(s)
  Directional atherectomy
  Excimer laser atherectomy
  Rotational atherectomy
  That by laser
  That by transluminal extraction

Code also any:
  injection or infusion of thrombolytic agent (99.10)
  number of vascular stents inserted (00.45-00.48)
  number of vessels treated (00.40-00.43)
  percutaneous insertion of intracranial vascular stent(s) (00.65)
  procedure on vessel bifurcation (00.44)

Excludes: angioplasty of other non-coronary vessel(s) (39.50)
atherectomy of extracranial vessel(s) (17.53)
atherectomy of non-coronary vessel(s) (17.56)
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)

17.55 Transluminal coronary atherectomy
  Directional atherectomy
  Excimer laser atherectomy
  Rotational atherectomy
  That by laser
  That by percutaneous approach
  That by transluminal extraction

Code also any:
  injection or infusion of thrombolytic agent (99.10)
  insertion of coronary artery stent (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)
  procedure on vessel bifurcation (00.44)
  SuperSaturated oxygen therapy (00.49)
  transluminal coronary angioplasty (00.66)

17.56 Atherectomy of other non-coronary vessel(s)
  Percutaneous transluminal atherectomy of:
    lower extremity vessels
    mesenteric artery
    renal artery
    upper extremity vessels
  Includes:
    Directional atherectomy
    Excimer laser atherectomy
    Rotational atherectomy
    That by laser
    That by transluminal extraction

Code also any:
injection or infusion of thrombolytic agent (99.10)
insertion of drug-eluting peripheral vessel stent (00.55)
insertion of non-drug-eluting peripheral vessel stent(s) or stent graft(s) (39.90)
number of vascular stents inserted (00.45-00.48)
number of vessels treated (00.40-00.43)
procedure on vessel bifurcation (00.44)

Excludes: percutaneous angioplasty of extracranial or intracranial vessel(s) (00.61-00.62)
percutaneous angioplasty of other non-coronary vessel(s) (39.50)
percutaneous atherectomy of extracranial vessel(s) (17.53)
percutaneous atherectomy of intracranial vessel(s) (17.54)

17.6 Laser interstitial thermal therapy [LITT] under guidance
Focused laser interstitial thermal therapy [f-LITT] under MRI guidance
MRI-guided LITT

17.61 Laser interstitial thermal therapy [LITT] of lesion or tissue of brain under guidance
Focused laser interstitial thermal therapy [f-LITT] under MRI guidance
MRI-guided LITT of lesion or tissue of brain
Excludes: laser interstitial thermal therapy [LITT] of lesion or tissue of head under guidance (17.62)

17.62 Laser interstitial thermal therapy [LITT] of lesion or tissue of head and neck under guidance
Focused laser interstitial thermal therapy [f-LITT] under MRI guidance
MRI-guided LITT of lesion or tissue of head and neck
Excludes: laser interstitial thermal therapy [LITT] of lesion or tissue of brain under guidance (17.61)

17.63 Laser interstitial thermal therapy [LITT] of lesion or tissue of liver under guidance
Focused laser interstitial thermal therapy [f-LITT] under MRI guidance
MRI-guided LITT of lesion or tissue of liver

17.69 Laser interstitial thermal therapy (LITT) of lesion or tissue of other and unspecified site
under guidance
Focused laser interstitial thermal therapy [f-LITT] under MRI guidance
MRI-guided LITT of lesion or tissue of breast
MRI-guided LITT of lesion or tissue of lung
MRI-guided LITT of lesion or tissue of prostate
Excludes: laser interstitial thermal therapy [LITT] of lesion or tissue of brain under guidance (17.61)
laser interstitial thermal therapy [LITT] of lesion or tissue of head and neck under guidance (17.62)
laser interstitial thermal therapy [LITT] of lesion or tissue of liver under guidance (17.63)

17.7 Other diagnostic and therapeutic procedures

17.70 Intravenous infusion of clofarabine
Excludes: injection or infusion of cancer chemotherapeutic substance (99.25)

17.71 Non-coronary intra-operative fluorescence vascular angiography [IFVA]
Intraoperative laser arteriogram
SPY arteriogram
SPY arteriography

Excludes: intra-operative coronary fluorescence vascular angiography (88.59)

17.8 Other adjunct procedures
Note: These codes are to be used in conjunction with other therapeutic procedure codes to provide additional information on devices used as part of a procedure.

17.81 Insertion of antimicrobial envelope
   Use of anti-microbial (mesh) (prophylactic antibiotics embedded) envelope with the insertion of cardiovascular implantable electronic device(s) [CIED]

Code first primary procedure:
   Insertion of cardiovascular implantable electronic device(s) [CIED] (00.51, 00.53, 00.54, 37.94, 37.96, 37.98)

### 4. OPERATIONS ON THE EAR (18-20)

<table>
<thead>
<tr>
<th>18</th>
<th>Operations on external ear</th>
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<tr>
<td>Includes:</td>
<td>operations on:</td>
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<tr>
<td></td>
<td>external auditory canal</td>
</tr>
<tr>
<td></td>
<td>skin and cartilage of:</td>
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<tr>
<td></td>
<td>auricle</td>
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<td></td>
<td>meatus</td>
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</tbody>
</table>

18.0 Incision of external ear

Excludes: removal of intraluminal foreign body (98.11)

18.01 Piercing of ear lobe
   Piercing of pinna

18.02 Incision of external auditory canal

18.09 Other incision of external ear

18.1 Diagnostic procedures on external ear

18.11 Otoscopy

18.12 Biopsy of external ear

18.19 Other diagnostic procedures on external ear
   Excludes: microscopic examination of specimen from ear (90.31-90.39)

18.2 Excision or destruction of lesion of external ear

18.21 Excision of preauricular sinus
   Radical excision of preauricular sinus or cyst
   Excludes: excision of preauricular remnant [appendage] (18.29)

18.29 Excision or destruction of other lesion of external ear
   Cauterization of external ear
   Coagulation of external ear
   Cryosurgery of external ear
   Curettage of external ear
   Electrocoagulation of external ear
   Enucleation of external ear
   Excision of:
     exostosis of external auditory canal
     preauricular remnant [appendage]
Partial excision of ear
Excludes: biopsy of external ear (18.12)
radical excision of lesion (18.31)
removal of cerumen (96.52)

18.3 Other excision of external ear
Excludes: biopsy of external ear (18.12)

18.31 Radical excision of lesion of external ear
Excludes: radical excision of preauricular sinus (18.21)

18.39 Other
  Amputation of external ear
Excludes: excision of lesion (18.21-18.29, 18.31)

18.4 Suture of laceration of external ear

18.5 Surgical correction of prominent ear
  Ear:
    pinning
    setback

18.6 Reconstruction of external auditory canal
  Canaloplasty of external auditory meatus
  Construction [reconstruction] of external meatus of ear:
    osseous portion
    skin-lined portion (with skin graft)

18.7 Other plastic repair of external ear

18.71 Construction of auricle of ear
  Prosthetic appliance for absent ear
  Reconstruction:
    auricle
    ear

18.72 Reattachment of amputated ear

18.79 Other plastic repair of external ear
  Otoplasty NOS
  Postauricular skin graft
  Repair of lop ear

18.9 Other operations on external ear
Excludes: irrigation of ear (96.52)
  packing of external auditory canal (96.11)
  removal of:
    cerumen (96.52)
    foreign body (without incision) (98.11)

19 Reconstructive operations on middle ear

19.0 Stapes mobilization
  Division, otosclerotic:
    material
    process
Remobilization of stapes
Stapediolysis
Transcruural stapes mobilization

Excludes: that with synchronous stapedectomy (19.11-19.19)

19.1 Stapedectomy
Excludes: revision of previous stapedectomy (19.21-19.29)

19.11 Stapedectomy with incus replacement
Stapedectomy with incus:
- homograft
- prosthesis

19.19 Other stapedectomy

19.2 Revision of stapedectomy

19.21 Revision of stapedectomy with incus replacement

19.29 Other revision of stapedectomy

19.3 Other operations on ossicular chain
- Incudectomy NOS
- Ossiculectomy NOS
- Reconstruction of ossicles, second stage

19.4 Myringoplasty
- Epitympanic, type I
- Myringoplasty by:
  - cauterization
  - graft
- Tympanoplasty (type I)

19.5 Other tympanoplasty

19.52 Type II tympanoplasty
- Closure of perforation with graft against incus or malleus

19.53 Type III tympanoplasty
- graft placed in contact with mobile and intact stapes

19.54 Type IV tympanoplasty
- Mobile footplate left exposed with air pocket between round window and graft

19.55 Type V tympanoplasty
- Fenestra in horizontal semicircular canal covered by graft

19.6 Revision of tympanoplasty

19.9 Other repair of middle ear
- Closure of mastoid fistula
- Mastoid myoplasty
- Obliteration of tympanomastoid cavity

20 Other operations on middle and inner ear

20.0 Myringotomy
20.01 Myringotomy with insertion of tube
   Myringostomy

20.09 Other myringotomy
   Aspiration of middle ear NOS

20.1 Removal of tympanostomy tube

20.2 Incision of mastoid and middle ear
   20.21 Incision of mastoid
   20.22 Incision of petrous pyramid air cells
   20.23 Incision of middle ear
      Atticotomy
      Division of tympanum
      Lysis of adhesions of middle ear
   Excludes: division of otosclerotic process (19.0)
             stapediolysis (19.0)
             that with stapedectomy (19.11-19.19)

20.3 Diagnostic procedures on middle and inner ear
   20.31 Electrocochleography
   20.32 Biopsy of middle and inner ear
   20.39 Other diagnostic procedures on middle and inner ear
   Excludes: auditory and vestibular function tests (89.13, 95.41-95.49)
             microscopic examination of specimen from ear (90.31-90.39)

20.4 Mastoidectomy
   Code also any:
      skin graft (18.79)
      tympanoplasty (19.4-19.55)
   Excludes: that with implantation of cochlear prosthetic device (20.96-20.98)
      20.41 Simple mastoidectomy
      20.42 Radical mastoidectomy
      20.49 Other mastoidectomy
         Atticoantrostomy
         Mastoidectomy: NOS
         modified radical

20.5 Other excision of middle ear
   Excludes: that with synchronous mastoidectomy (20.41-20.49)
      20.51 Excision of lesion of middle ear
         Excludes: biopsy of middle ear (20.32)
      20.59 Other
         Apicectomy of petrous pyramid
         Tympanectomy
20.6 Fenestration of inner ear

20.61 Fenestration of inner ear (initial)
   Fenestration of:
   labyrinth with graft (skin) (vein)
   semicircular canals with graft (skin) (vein)
   vestibule with graft (skin) (vein)
Excludes: that with tympanoplasty, type V (19.55)

20.62 Revision of fenestration of inner ear

20.7 Incision, excision, and destruction of inner ear

20.71 Endolymphatic shunt

20.72 Injection into inner ear
   Destruction by injection (alcohol):
   inner ear
   semicircular canals
   vestibule

20.79 Other incision, excision, and destruction of inner ear
   Decompression of labyrinth
   Drainage of inner ear
   Fistulization:
   endolymphatic sac
   labyrinth
   Incision of endolymphatic sac
   Labyrinthectomy (trans tympanic)
   Opening of bony labyrinth
   Perilymphatic tap
Excludes: biopsy of inner ear (20.32)

20.8 Operations on Eustachian tube
   Catheterization of Eustachian tube
   Inflation of Eustachian tube
   Injection (Teflon paste) of Eustachian tube
   Insufflation (boric acid-salicylic acid) Intubation of Eustachian tube
   Politzerization of Eustachian tube

20.9 Other operations on inner and middle ear

20.91 Tympanosympathectomy

20.92 Revision of mastoidectomy

20.93 Repair of oval and round windows
   Closure of fistula:
   oval window
   perilymph
   round window

20.94 Injection of tympanum

20.95 Implantation of electromagnetic hearing device
   Bone conduction hearing device
Excludes: cochlear prosthetic device (20.96-20.98)
20.96 Implantation or replacement of cochlear prosthetic device, not otherwise specified
    Implantation of receiver (within skull) and insertion of electrode(s) in the cochlea
    Includes: mastoidectomy
    Excludes: electromagnetic hearing device (20.95)

20.97 Implantation or replacement of cochlear prosthetic device, single channel
    Implantation of receiver (within skull) and insertion of electrode in the cochlea
    Includes: mastoidectomy
    Excludes: electromagnetic hearing device (20.95)

20.98 Implantation or replacement of cochlear prosthetic device, multiple channel
    Implantation of receiver (within skull) and insertion of electrodes in the cochlea
    Includes: mastoidectomy
    Excludes: electromagnetic hearing device (20.95)

20.99 Other operations on middle and inner ear
    Attachment of percutaneous abutment (screw) for prosthetic device
    Repair or removal of cochlear prosthetic device (receiver) (electrode)
    Excludes: adjustment (external components) of cochlear prosthetic device (95.49)
    fitting of hearing aid (95.48)

5. OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX (21-29)

21 Operations on nose

    Includes: operations on:
    - bone of nose
    - skin of nose

21.0 Control of epistaxis

21.00 Control of epistaxis, not otherwise specified

21.01 Control of epistaxis by anterior nasal packing

21.02 Control of epistaxis by posterior (and anterior) packing

21.03 Control of epistaxis by cauterization (and packing)

21.04 Control of epistaxis by ligation of ethmoidal arteries

21.05 Control of epistaxis by (transantral) ligation of the maxillary artery

21.06 Control of epistaxis by ligation of the external carotid artery

21.07 Control of epistaxis by excision of nasal mucosa and skin grafting of septum and lateral nasal wall

21.09 Control of epistaxis by other means

21.1 Incision of nose
    Chondrotomy
    Incision of skin of nose
    Nasal septotomy
21.2 Diagnostic procedures on nose

21.21 Rhinoscopy

21.22 Biopsy of nose

21.29 Other diagnostic procedures on nose
Excludes: microscopic examination of specimen from nose (90.31-90.39)
   nasal:
      function study (89.12)
      x-ray (87.16)
      rhinomanometry (89.12)

21.3 Local excision or destruction of lesion of nose
Excludes: biopsy of nose (21.22)
   nasal fistulectomy (21.82)

21.30 Excision or destruction of lesion of nose, not otherwise specified

21.31 Local excision or destruction of intranasal lesion
   Nasal polypectomy

21.32 Local excision or destruction of other lesion of nose

21.4 Resection of nose
   Amputation of nose

21.5 Submucous resection of nasal septum

21.6 Turbinectomy

21.61 Turbinectomy by diathermy or cryosurgery

21.62 Fracture of the turbinates

21.69 Other turbinectomy
Excludes: turbinectomy associated with sinusectomv (22.31-22.39, 22.42, 22.60-22.64)

21.7 Reduction of nasal fracture

21.71 Closed reduction of nasal fracture

21.72 Open reduction of nasal fracture

21.8 Repair and plastic operations on the nose

21.81 Suture of laceration of nose

21.82 Closure of nasal fistula
   Nasolabial fistulectomy
   Nasopharyngeal fistulectomy
   Oronasal fistulectomy

21.83 Total nasal reconstruction
   Reconstruction of nose with:
      arm flap
      forehead flap

21.84 Revision rhinoplasty
### Rhinoseptoplasty

Twisted nose rhinoplasty

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<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>21.85</td>
<td>Augmentation rhinoplasty</td>
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<tr>
<td>21.86</td>
<td>Limited rhinoplasty</td>
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<tr>
<td>21.87</td>
<td>Other rhinoplasty</td>
</tr>
<tr>
<td>21.88</td>
<td>Other septoplasty</td>
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<tr>
<td>21.89</td>
<td>Other repair and plastic operations on nose</td>
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#### Other repair and plastic operations on nose

Reattachment of amputated nose

### Other operations on nose

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<tr>
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<tr>
<td>21.90</td>
<td>Lysis of adhesions of nose</td>
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<tr>
<td>21.91</td>
<td>Posterior nasal scrub</td>
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</table>

#### Other operations on nose

Reattachment of amputated nose

### Operations on nasal sinuses

#### Aspiration and lavage of nasal sinus

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<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>22.00</td>
<td>Aspiration and lavage of nasal sinus, not otherwise specified</td>
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<td>22.01</td>
<td>Puncture of nasal sinus for aspiration or lavage</td>
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<tr>
<td>22.02</td>
<td>Aspiration or lavage of nasal sinus through natural ostium</td>
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#### Diagnostic procedures on nasal sinus

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<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>22.11</td>
<td>Closed [endoscopic] [needle] biopsy of nasal sinus</td>
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<tr>
<td>22.12</td>
<td>Open biopsy of nasal sinus</td>
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<tr>
<td>22.19</td>
<td>Other diagnostic procedures on nasal sinuses</td>
</tr>
</tbody>
</table>

#### Intranasal antrotomy

Excludes: transillumination of sinus (89.35)

x-ray of sinus (87.15-87.16)
Excludes: antrotomy with external approach (22.31-22.39)

22.3 External maxillary antrotomy

22.31 Radical maxillary antrotomy
   Removal of lining membrane of maxillary sinus using Caldwell-Luc approach

22.39 Other external maxillary antrotomy
   Exploration of maxillary antrum with Caldwell-Luc approach

22.4 Frontal sinusotomy and sinusectomy

22.41 Frontal sinusotomy

22.42 Frontal sinusectomy
   Excision of lesion of frontal sinus
   Obliteration of frontal sinus (with fat)

Excludes: biopsy of nasal sinus (22.11-22.12)

22.5 Other nasal sinusotomy

22.50 Sinusotomy, not otherwise specified

22.51 Ethmoidotomy

22.52 Sphenoidotomy

22.53 Incision of multiple nasal sinuses

22.6 Other nasal sinusectomy

Includes: that with incidental turbinectomy

Excludes: biopsy of nasal sinus (22.11-22.12)

22.60 Sinusectomy, not otherwise specified

22.61 Excision of lesion of maxillary sinus with Caldwell-Luc approach

22.62 Excision of lesion of maxillary sinus with other approach

22.63 Ethmoidectomy

22.64 Sphenoidectomy

22.7 Repair of nasal sinus

22.71 Closure of nasal sinus fistula
   Repair of oro-antral fistula

22.79 Other repair of nasal sinus
   Reconstruction of frontonasal duct
   Repair of bone of accessory sinus

22.9 Other operations on nasal sinuses

   Exteriorization of maxillary sinus
   Fistulization of sinus

Excludes: dilation of frontonasal duct (96.21)

23 Removal and restoration of teeth
23.0 Forceps extraction of tooth
  23.01 Extraction of deciduous tooth
  23.09 Extraction of other tooth
      Extraction of tooth NOS

23.1 Surgical removal of tooth
  23.11 Removal of residual root
  23.19 Other surgical extraction of tooth
      Odontectomy NOS
      Removal of impacted tooth
      Tooth extraction with elevation of mucoperiosteal flap

23.2 Restoration of tooth by filling

23.3 Restoration of tooth by inlay

23.4 Other dental restoration
  23.41 Application of crown
  23.42 Insertion of fixed bridge
  23.43 Insertion of removable bridge
  23.49 Other

23.5 Implantation of tooth

23.6 Prosthetic dental implant
      Endosseous dental implant

23.7 Apicoectomy and root canal therapy
  23.70 Root canal, not otherwise specified
  23.71 Root canal therapy with irrigation
  23.72 Root canal therapy with apicoectomy
  23.73 Apicoectomy

24 Other operations on teeth, gums, and alveoli

24.0 Incision of gum or alveolar bone
      Apical alveolotomy

24.1 Diagnostic procedures on teeth, gums, and alveoli
  24.11 Biopsy of gum
  24.12 Biopsy of alveolus
  24.19 Other diagnostic procedures on teeth, gums, and alveolus
    Excludes: dental:
    examination (89.31)
    x-ray:
full-mouth (87.11)
other (87.12)
microscopic examination of dental specimen (90.81-90.89)

24.2 Gingivoplasty
Gingivoplasty with bone or soft tissue graft

24.3 Other operations on gum

24.31 Excision of lesion or tissue of gum
Excludes: biopsy of gum (24.11)
excision of odontogenic lesion (24.4)

24.32 Suture of laceration of gum

24.39 Other

24.4 Excision of dental lesion of jaw
Excision of odontogenic lesion

24.5 Alveoloplasty
Alveolectomy (interradicular) (intraseptal) (radical) (simple) (with graft or implant)
Excludes: biopsy of alveolus (24.12)
en bloc resection of alveolar process and palate (27.32)

24.6 Exposure of tooth

24.7 Application of orthodontic appliance
Application, insertion, or fitting of:
arch bars
orthodontic obturator
orthodontic wiring
periodontal splint
Excludes: nonorthodontic dental wiring (93.55)

24.8 Other orthodontic operation
Closure of diastema (alveolar) (dental)
Occlusal adjustment
Removal of arch bars
Repair of dental arch
Excludes: removal of nonorthodontic wiring (97.33)

24.9 Other dental operations

24.91 Extension or deepening of buccolabial or lingual sulcus

24.99 Other
Excludes: dental:
debridement (96.54)
examination (89.31)
prophylaxis (96.54)
scaling and polishing (96.54)
wiring (93.55)
fitting of dental appliance [denture] (99.97)
microscopic examination of dental specimen (90.81-90.89)
removal of dental:
packing (97.34)
prosthesis (97.35)
wiring (97.33)
replacement of dental packing (97.22)

<table>
<thead>
<tr>
<th>25</th>
<th>Operations on tongue</th>
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<tbody>
<tr>
<td>25.0</td>
<td>Diagnostic procedures on tongue</td>
</tr>
<tr>
<td>25.01</td>
<td>Closed [needle] biopsy of tongue</td>
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<tr>
<td>25.02</td>
<td>Open biopsy of tongue</td>
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<td></td>
<td>Wedge biopsy</td>
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<td>25.09</td>
<td>Other diagnostic procedures on tongue</td>
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<td>25.1</td>
<td>Excision or destruction of lesion or tissue of tongue</td>
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<td>Excludes: biopsy of tongue (25.01-25.02)</td>
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<tr>
<td>frenumectomy:</td>
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<td>labial (27.41)</td>
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<td>25.2</td>
<td>Partial glossectomy</td>
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<td>25.3</td>
<td>Complete glossectomy</td>
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<td>Glossectomy NOS</td>
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<tr>
<td>Code also any neck dissection (40.40-40.42)</td>
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<td>Radical glossectomy</td>
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<td>neck dissection (40.40-40.42)</td>
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<td>tracheostomy (31.1-31.29)</td>
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<td>25.5</td>
<td>Repair of tongue and glossoplasty</td>
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<td>25.51</td>
<td>Suture of laceration of tongue</td>
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<td>25.59</td>
<td>Other repair and plastic operations on tongue</td>
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<tr>
<td></td>
<td>Fascial sling of tongue</td>
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<td>Fusion of tongue (to lip)</td>
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<td>Graft of mucosa or skin to tongue</td>
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<td>Other operations on tongue</td>
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<tr>
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<td>Lingual frenotomy</td>
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<td>25.92</td>
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<tr>
<td>25.93</td>
<td>Lysis of adhesions of tongue</td>
</tr>
<tr>
<td>25.94</td>
<td>Other glossotomy</td>
</tr>
<tr>
<td>25.99</td>
<td>Other</td>
</tr>
</tbody>
</table>

| 26 | Operations on salivary glands and ducts |
Includes: operations on:
- lesser salivary gland and duct
- parotid gland and duct
- sublingual gland and duct
- submaxillary gland and duct

Code also any neck dissection (40.40-40.42)

26.0 Incision of salivary gland or duct

26.1 Diagnostic procedures on salivary glands and ducts
   26.11 Closed [needle] biopsy of salivary gland or duct
   26.12 Open biopsy of salivary gland or duct
   26.19 Other diagnostic procedures on salivary glands and ducts
   Excludes: x-ray of salivary gland (87.09)

26.2 Excision of lesion of salivary gland
   26.21 Marsupialization of salivary gland cyst
   26.29 Other excision of salivary gland lesion
   Excludes: biopsy of salivary gland (26.11-26.12)
   salivary fistulectomy (26.42)

26.3 Sialoadenectomy
   26.30 Sialoadenectomy, not otherwise specified
   26.31 Partial sialoadenectomy
   26.32 Complete sialoadenectomy
      En bloc excision of salivary gland lesion
      Radical sialoadenectomy

26.4 Repair of salivary gland or duct
   26.41 Suture of laceration of salivary gland
   26.42 Closure of salivary fistula
   26.49 Other repair and plastic operations on salivary gland or duct
      Fistulization of salivary gland
      Plastic repair of salivary gland or duct NOS
      Transplantation of salivary duct opening

26.9 Other operations on salivary gland or duct
   26.91 Probing of salivary duct
   26.99 Other

27 Other operations on mouth and face

Includes: operations on:
- lips
- palate
- soft tissue of face and mouth, except tongue and gingiva
Excludes: operations on:
  gingiva (24.0-24.99)
  tongue (25.01-25.99)

27.0 Drainage of face and floor of mouth
  Drainage of:
    facial region (abscess)
    fascial compartment of face
    Ludwig's angina

Excludes: drainage of thyroglossal tract (06.09)

27.1 Incision of palate

27.2 Diagnostic procedures on oral cavity
  27.21 Biopsy of bony palate
  27.22 Biopsy of uvula and soft palate
  27.23 Biopsy of lip
  27.24 Biopsy of mouth, unspecified structure
  27.29 Other diagnostic procedures on oral cavity

Excludes: soft tissue x-ray (87.09)

27.3 Excision of lesion or tissue of bony palate
  27.31 Local excision or destruction of lesion or tissue of bony palate
    Local excision or destruction of palate by:
    cautery
    chemotherapy
    cryotherapy

Excludes: biopsy of bony palate (27.21)
  27.32 Wide excision or destruction of lesion or tissue of bony palate
    En bloc resection of alveolar process and palate

27.4 Excision of other parts of mouth
  27.41 Labial frenectomy
  Excludes: division of labial frenum (27.91)
  27.42 Wide excision of lesion of lip
  27.43 Other excision of lesion or tissue of lip
  27.49 Other excision of mouth
  Excludes: biopsy of mouth NOS (27.24)
  excision of lesion of:
    palate (27.31-27.32)
    tongue (25.1)
    uvula (27.72)
    fistulectomy of mouth (27.53)
    frenectomy of:
      lip (27.41)
      tongue (25.92)
27.5 Plastic repair of lip and mouth
Excludes: palatoplasty (27.61-27.69)
   27.51 Suture of laceration of lip
   27.52 Suture of laceration of other part of mouth
   27.53 Closure of fistula of mouth
   Excludes: fistulectomy:
   nasolabial (21.82)
   oro-antral (22.71)
   oronasal (21.82)
   27.54 Repair of cleft lip
   27.55 Full-thickness skin graft to lip and mouth
   27.56 Other skin graft to lip and mouth
   27.57 Attachment of pedicle or flap graft to lip and mouth
   27.59 Other plastic repair of mouth

27.6 Palatoplasty
   27.61 Suture of laceration of palate
   27.62 Correction of cleft palate
      Correction of cleft palate by push-back operation
   Excludes: revision of cleft palate repair (27.63)
   27.63 Revision of cleft palate repair
      Secondary:
      attachment of pharyngeal flap
      lengthening of palate
   27.64 Insertion of palatal implant
   27.69 Other plastic repair of palate
   Code also any insertion of palatal implant (27.64)
   Excludes: fistulectomy of mouth (27.53)

27.7 Operations on uvula
   27.71 Incision of uvula
   27.72 Excision of uvula
   Excludes: biopsy of uvula (27.22)
   27.73 Repair of uvula
   Excludes: that with synchronous cleft palate repair (27.62)
      uranostaphylorrhaphy (27.62)
   27.79 Other operations on uvula

27.9 Other operations on mouth and face
27.91 Labial frenotomy  
Division of labial frenum  
Excludes: lingual frenotomy (25.91)

27.92 Incision of mouth, unspecified structure  
Excludes: incision of:  
gum (24.0)  
palate (27.1)  
salivary gland or duct (26.0)  
tongue (25.94)  
uvula (27.71)

27.99 Other operations on oral cavity  
Graft of buccal sulcus  
Excludes: removal of:  
intraluminal foreign body (98.01)  
penetrating foreign body from mouth without incision (98.22)

28 Operations on tonsils and adenoids

28.0 Incision and drainage of tonsil and peritonsillar structures  
Drainage (oral) (transcervical) of:  
parapharyngeal abscess  
peritonsillar abscess  
retropharyngeal abscess  
tonsillar abscess

28.1 Diagnostic procedures on tonsils and adenoids  
28.11 Biopsy of tonsils and adenoids

28.19 Other diagnostic procedures on tonsils and adenoids  
Excludes: soft tissue x-ray (87.09)

28.2 Tonsillectomy without adenoidectomy

28.3 Tonsillectomy with adenoidectomy

28.4 Excision of tonsil tag

28.5 Excision of lingual tonsil

28.6 Adenoidectomy without tonsillectomy  
Excision of adenoid tag

28.7 Control of hemorrhage after tonsillectomy and adenoidectomy

28.9 Other operations on tonsils and adenoids  
28.91 Removal of foreign body from tonsil and adenoid by incision  
Excludes: that without incision (98.13)

28.92 Excision of lesion of tonsil and adenoid  
Excludes: biopsy of tonsil and adenoid (28.11)

28.99 Other
<table>
<thead>
<tr>
<th>29</th>
<th>Operations on pharynx</th>
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<tbody>
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<td>Includes: operations on:</td>
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<tr>
<td>hypopharynx</td>
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<td>nasopharynx</td>
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<td>oropharynx</td>
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<td>pharyngeal pouch</td>
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<td>pyriform sinus</td>
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<td>29.0</td>
<td>Pharyngotomy</td>
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<td>Drainage of pharyngeal bursa</td>
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<td>Excludes: incision and drainage of retropharyngeal abscess (28.0) removal of foreign body (without incision) (98.13)</td>
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<td>Diagnostic procedures on pharynx</td>
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<td>29.11</td>
<td>Pharyngoscopy</td>
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<td>29.12</td>
<td>Pharyngeal biopsy</td>
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<td>Biopsy of supraglottic mass</td>
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<td>Other diagnostic procedures on pharynx</td>
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<td>Excludes: x-ray of nasopharynx: contrast (87.06) other (87.09)</td>
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<td>29.2</td>
<td>Excision of branchial cleft cyst or vestige</td>
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<td>Cricopharyngeal myotomy</td>
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<td>Pharyngeal diverticulectomy</td>
</tr>
<tr>
<td>29.33</td>
<td>Pharyngectomy (partial)</td>
</tr>
<tr>
<td>Excludes: laryngopharyngectomy (30.3)</td>
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</tr>
<tr>
<td>29.39</td>
<td>Other excision or destruction of lesion or tissue of pharynx</td>
</tr>
<tr>
<td>29.4</td>
<td>Plastic operation on pharynx</td>
</tr>
<tr>
<td>Correction of nasopharyngeal atresia</td>
<td></td>
</tr>
<tr>
<td>Excludes: pharyngoplasty associated with cleft palate repair (27.62-27.63)</td>
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</tr>
<tr>
<td>29.5</td>
<td>Other repair of pharynx</td>
</tr>
<tr>
<td>29.51</td>
<td>Suture of laceration of pharynx</td>
</tr>
<tr>
<td>29.52</td>
<td>Closure of branchial cleft fistula</td>
</tr>
<tr>
<td>29.53</td>
<td>Closure of other fistula of pharynx</td>
</tr>
<tr>
<td>Pharyngoesophageal fistulectomy</td>
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</tr>
<tr>
<td>29.54</td>
<td>Lysis of pharyngeal adhesions</td>
</tr>
<tr>
<td>29.59</td>
<td>Other</td>
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### 6. OPERATIONS ON THE RESPIRATORY SYSTEM (30-34)

<table>
<thead>
<tr>
<th>30</th>
<th>Excision of larynx</th>
</tr>
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<tbody>
<tr>
<td>30.0</td>
<td>Excision or destruction of lesion or tissue of larynx</td>
</tr>
<tr>
<td>30.01</td>
<td>Marsupialization of laryngeal cyst</td>
</tr>
<tr>
<td>30.09</td>
<td>Other excision or destruction of lesion or tissue of larynx</td>
</tr>
<tr>
<td>30.1</td>
<td>Hemilaryngectomy</td>
</tr>
<tr>
<td>30.2</td>
<td>Other partial laryngectomy</td>
</tr>
<tr>
<td>30.21</td>
<td>Epiglottidectomy</td>
</tr>
<tr>
<td>30.22</td>
<td>Vocal cordectomy</td>
</tr>
<tr>
<td>30.29</td>
<td>Other partial laryngectomy</td>
</tr>
<tr>
<td>30.3</td>
<td>Complete laryngectomy</td>
</tr>
<tr>
<td>30.4</td>
<td>Radical laryngectomy</td>
</tr>
<tr>
<td>31</td>
<td>Other operations on larynx and trachea</td>
</tr>
<tr>
<td>31.0</td>
<td>Injection of larynx</td>
</tr>
<tr>
<td>31.1</td>
<td>Temporary tracheostomy</td>
</tr>
</tbody>
</table>

Excludes: insertion of radium into pharynx and nasopharynx (92.27)
removal of intraluminal foreign body (98.13)
31.2 Permanent tracheostomy
   31.21 Mediastinal tracheostomy
   31.29 Other permanent tracheostomy
       Permanent percutaneous dilatational tracheostomy [PDT]
   Code also any synchronous bronchoscopy, if performed (33.21-33.24, 33.27)
       Excludes: that with laryngectomy (30.3-30.4)

31.3 Other incision of larynx or trachea
   Excludes: that for assistance in breathing (31.1-31.29)

31.4 Diagnostic procedures on larynx and trachea
   31.41 Tracheoscopy through artificial stoma
       Excludes: that with biopsy (31.43-31.44)
   31.42 Laryngoscopy and other tracheoscopy
       Excludes: that with biopsy (31.43-31.44)
   31.43 Closed [endoscopic] biopsy of larynx
   31.44 Closed [endoscopic] biopsy of trachea
   31.45 Open biopsy of larynx or trachea
   31.48 Other diagnostic procedures on larynx
       Excludes: contrast laryngogram (87.07)
           microscopic examination of specimen from larynx (90.31-90.39)
           soft tissue x-ray of larynx NEC (87.09)
   31.49 Other diagnostic procedures on trachea
       Excludes: microscopic examination of specimen from trachea (90.41-90.49)
           x-ray of trachea (87.49)

31.5 Local excision or destruction of lesion or tissue of trachea
   Excludes: biopsy of trachea (31.44-31.45)
       laryngotracheal fistulectomy (31.62)
       tracheoesophageal fistulectomy (31.73)

31.6 Repair of larynx
   31.61 Suture of laceration of larynx
   31.62 Closure of fistula of larynx
       Laryngotracheal fistulectomy
       Take-down of laryngostomy
   31.63 Revision of laryngostomy
   31.64 Repair of laryngeal fracture
   31.69 Other repair of larynx
       Arytenoidopexy
       Graft of larynx
       Transposition of vocal cords
   Excludes: construction of artificial larynx (31.75)
31.7 Repair and plastic operations on trachea

31.71 Suture of laceration of trachea

31.72 Closure of external fistula of trachea
   Closure of tracheotomy

31.73 Closure of other fistula of trachea
   Tracheoesophageal fistulectomy

Excludes: laryngotracheal fistulectomy (31.62)

31.74 Revision of tracheostomy

31.75 Reconstruction of trachea and construction of artificial larynx
   Tracheoplasty with artificial larynx

31.79 Other repair and plastic operations on trachea

31.9 Other operations on larynx and trachea

31.91 Division of laryngeal nerve

31.92 Lysis of adhesions of trachea or larynx

31.93 Replacement of laryngeal or tracheal stent

31.94 Injection of locally-acting therapeutic substance into trachea

31.95 Tracheoesophageal fistulization

31.98 Other operations on larynx
   Dilation of larynx
   Division of congenital web of larynx
   Removal of keel or stent of larynx

Excludes: removal of intraluminal foreign body from larynx without incision (98.14)

31.99 Other operations on trachea

Excludes: removal of:
   intraluminal foreign body from trachea without incision (98.15)
   tracheostomy tube (97.37)
   replacement of tracheostomy tube (97.23)
   tracheostomy toilette (96.55)

32 Excision of lung and bronchus

Includes: rib resection as operative approach
   sternotomy as operative approach
   sternum-splitting incision as operative approach
   thoracotomy as operative approach

Code also any synchronous bronchoplasty (33.48)

32.0 Local excision or destruction of lesion or tissue of bronchus

Excludes: biopsy of bronchus (33.24-33.25)
   bronchial fistulectomy (33.42)

32.01 Endoscopic excision or destruction of lesion or tissue of bronchus

32.09 Other local excision or destruction of lesion or tissue of bronchus
32.1 Other excision of bronchus
   Resection (wide sleeve) of bronchus
Excludes: radical dissection [excision] of bronchus (32.6)

32.2 Local excision or destruction of lesion or tissue of lung
   32.20 Thoracoscopic excision of lesion or tissue of lung
      Thoracoscopic wedge resection
   32.21 Plication of emphysematous bleb
   32.22 Lung volume reduction surgery
   32.23 Open ablation of lung lesion or tissue
   32.24 Percutaneous ablation of lung lesion or tissue
   32.25 Thoracoscopic ablation of lung lesion or tissue
      Excludes: thoracoscopic excision of lesion or tissue of lung (32.20)
   32.26 Other and unspecified ablation of lung lesion or tissue
      Excludes: bronchoscopic bronchial thermoplasty, ablation of smooth airway muscle (32.27)
   32.27 Bronchoscopic bronchial thermoplasty, ablation of airway smooth muscle
   32.28 Endoscopic excision or destruction of lesion or tissue of lung
      Excludes: ablation of lung lesion or tissue:
         open (32.23)
         other (32.26)
         percutaneous (32.24)
         thoracoscopic (32.25)
         biopsy of lung (33.26-33.27)
   32.29 Other local excision or destruction of lesion or tissue of lung
      Resection of lung:
         NOS
         wedge
      Excludes: ablation of lung lesion or tissue:
         open (32.23)
         other (32.26)
         percutaneous (32.24)
         thoracoscopic (32.25)
         biopsy of lung (33.26-33.27)
         laser interstitial thermal therapy [LITT] of lesion or tissue of lung under guidance (17.69)
         that by endoscopic approach (32.28)
         thoracoscopic excision of lesion or tissue of lung (32.20)
         wide excision of lesion of lung (32.3)

32.3 Segmental resection of lung
   Partial lobectomy
   32.30 Thoracoscopic segmental resection of lung
   32.39 Other and unspecified segmental resection of lung
32.4 Lobectomy of lung
   Lobectomy with segmental resection of adjacent lobes of lung
Excludes: that with radical dissection [excision] of thoracic structures (32.6)
   32.41 Thoracoscopic lobectomy of lung
   32.49 Other lobectomy of lung
      Excludes: thoracoscopic lobectomy of lung (32.41)

32.5 Pneumonectomy
   Excision of lung NOS
   Pneumonectomy (with mediastinal dissection)
   32.50 Thoracoscopic pneumonectomy
   32.59 Other and unspecified pneumonectomy
      Excludes: thoracoscopic pneumonectomy (32.50)

32.6 Radical dissection of thoracic structures
   Block [en bloc] dissection of bronchus, lobe of lung, brachial plexus, intercostal structure, ribs (transverse process), and sympathetic nerves

32.9 Other excision of lung
Excludes: biopsy of lung and bronchus (33.24-33.27)
   pulmonary decortication (34.51)

33 Other operations on lung and bronchus
Includes: rib resection as operative approach
   sternotomy as operative approach
   sternum-splitting incision as operative approach
   thoracotomy as operative approach

33.0 Incision of bronchus

33.1 Incision of lung
Excludes: puncture of lung (33.93)

33.2 Diagnostic procedures on lung and bronchus
   33.20 Thoracoscopic lung biopsy
      Excludes: closed endoscopic biopsy of lung (33.27)
      closed [percutaneous] [needle] biopsy of lung (33.26)
      open biopsy of lung (33.28)
   33.21 Bronchoscopy through artificial stoma
      Excludes: that with biopsy (33.24, 33.27)
   33.22 Fiber-optic bronchoscopy
      Excludes: that with biopsy (33.24, 33.27)
   33.23 Other bronchoscopy
      Excludes: that for:
         aspiration (96.05)
biopsy (33.24, 33.27)

33.24 Closed [endoscopic] biopsy of bronchus
Bronchoscopy (fiberoptic) (rigid) with:
  brush biopsy of "lung"
  brushing or washing for specimen collection
  excision (bite) biopsy
Diagnostic bronchoalveolar lavage (BAL)
Mini-bronchoalveolar lavage [mini-BAL]
Transbronchoscopic needle aspiration [TBNA] of bronchus
Excludes: closed biopsy of lung, other than brush biopsy of "lung" (33.26, 33.27)
  whole lung lavage (33.99)

33.25 Open biopsy of bronchus
Excludes: open biopsy of lung (33.28)

33.26 Closed [percutaneous] [needle] biopsy of lung
  Fine needle aspiration [FNA] of lung
  Transthoracic needle biopsy of lung [TTNB]
Excludes: endoscopic biopsy of lung (33.27)
  thoracoscopic lung biopsy (33.20)

33.27 Closed endoscopic biopsy of lung
  Fiber-optic (flexible) bronchoscopy with fluoroscopic guidance with biopsy
  Transbronchial lung biopsy
  Transbronchoscopic needle aspiration [TBNA] of lung
Excludes: brush biopsy of "lung" (33.24)
  percutaneous biopsy of lung (33.26)
  thoracoscopic lung biopsy (33.20)

33.28 Open biopsy of lung

33.29 Other diagnostic procedures on lung and bronchus
Excludes: bronchoalveolar lavage [BAL] (33.24)
  contrast bronchogram:
    endotracheal (87.31)
    other (87.32)
  endoscopic pulmonary airway flow measurement (33.72)
  lung scan (92.15)
  magnetic resonance imaging (88.92)
  microscopic examination of specimen from bronchus or lung (90.41-90.49)
  routine chest x-ray (87.44)
  ultrasonography of lung (88.73)
  vital capacity determination (89.37)
  x-ray of bronchus or lung NOS (87.49)

33.3 Surgical collapse of lung

33.31 Destruction of phrenic nerve for collapse of lung

33.32 Artificial pneumothorax for collapse of lung
  Thoracotomy for collapse of lung

33.33 Pneumoperitoneum for collapse of lung

33.34 Thoracoplasty
33.39 Other surgical collapse of lung
   Collapse of lung NOS

33.4 Repair and plastic operation on lung and bronchus

33.41 Suture of laceration of bronchus

33.42 Closure of bronchial fistula
   Closure of bronchostomy
   Fistulectomy:
   bronchocutaneous
   bronchoesophageal
   bronchovisceral

Excludes: closure of fistula:
   bronchomediastinal (34.73)
   bronchopleural (34.73)
   bronchopleuromediastinal (34.73)

33.43 Closure of laceration of lung

33.48 Other repair and plastic operations on bronchus

33.49 Other repair and plastic operations on lung

Excludes: closure of pleural fistula (34.73)

33.5 Lung transplant
Note: To report donor source - see codes 00.91-00.93
Excludes: combined heart-lung transplantation (33.6)
Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)

33.50 Lung transplantation, not otherwise specified

33.51 Unilateral lung transplantation

33.52 Bilateral lung transplantation
   Double-lung transplantation
   En bloc transplantation

Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)

33.6 Combined heart-lung transplantation
Note: To report donor source - see codes 00.91-00.93
Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)

33.7 Other endoscopic procedures in bronchus or lung
Excludes insertion of tracheobronchial stent (96.05)

33.71 Endoscopic insertion or replacement of bronchial valve(s), single lobe
   Endobronchial airflow redirection valve
   Intrabronchial airflow redirection valve

Excludes: endoscopic insertion or replacement of bronchial valve(s), multiple lobes (33.73)

33.72 Endoscopic pulmonary airway flow measurement
   Assessment of pulmonary airway flow

Code also any diagnostic or therapeutic procedure if performed

33.73 Endoscopic insertion or replacement of bronchial valve(s), multiple lobes
Endobronchial airflow redirection valve
Intrabronchial airflow redirection valve
Excludes: endoscopic insertion or replacement of bronchial valve(s), single lobe (33.71)
33.78 Endoscopic removal of bronchial device(s) or substances
33.79 Endoscopic insertion of other bronchial device or substances
Biologic Lung Volume Reduction NOS (BLVR)

33.9 Other operations on lung and bronchus
33.91 Bronchial dilation
33.92 Ligation of bronchus
33.93 Puncture of lung
Excludes: needle biopsy (33.26)
33.98 Other operations on bronchus
Excludes: bronchial lavage (96.56)
removal of intraluminal foreign body from bronchus without incision (98.15)
33.99 Other operations on lung
Whole lung lavage
Excludes: other continuous mechanical ventilation (96.70-96.72)
respiratory therapy (93.90-93.99)

34 Operations on chest wall, pleura, mediastinum, and diaphragm
Excludes: operations on breast (85.0-85.99)
34.0 Incision of chest wall and pleura
Excludes: that as operative approach -- omit code
34.01 Incision of chest wall
Extrapleural drainage
Excludes: incision of pleura (34.09)
34.02 Exploratory thoracotomy
34.03 Reopening of recent thoracotomy site
34.04 Insertion of intercostal catheter for drainage
Chest tube
Closed chest drainage
Revision of intercostal catheter (chest tube) (with lysis of adhesions)
Excludes: thoracoscopic drainage of pleural cavity (34.06)
34.05 Creation of pleuroperitoneal shunt
34.06 Thoracoscopic drainage of pleural cavity
Evacuation of empyema
34.09 Other incision of pleura
Creation of pleural window for drainage
Intercostal stab
Open chest drainage
Excludes: thoracoscopy (34.21)
        thoracotomy for collapse of lung (33.32)

34.1 Incision of mediastinum
Code also any biopsy, if performed
Excludes: mediastinoscopy (34.22)
          mediastinotomy associated with pneumonectomy (32.5)

34.2 Diagnostic procedures on chest wall, pleura, mediastinum, and diaphragm

34.20 Thoracoscopic pleural biopsy

34.21 Transpleural thoracoscopy

34.22 Mediastinoscopy

Code also any biopsy, if performed

34.23 Biopsy of chest wall

34.24 Other pleural biopsy
Excludes: thoracoscopic pleural biopsy (34.20)

34.25 Closed [percutaneous] [needle] biopsy of mediastinum

34.26 Open mediastinal biopsy

34.27 Biopsy of diaphragm

34.28 Other diagnostic procedures on chest wall, pleura, and diaphragm
Excludes: angiocardiography (88.50-88.58)
          aortography (88.42)
          arteriography of:
          intrathoracic vessels NEC (88.44)
          pulmonary arteries (88.43)
          microscopic examination of specimen from chest wall, pleura, and diaphragm
          (90.41-90.49)
          phlebography of:
          intrathoracic vessels NEC (88.63)
          pulmonary veins (88.62)
          radiological examinations of thorax:
          C.A.T. scan (87.41)
          diaphragmatic x-ray (87.49)
          intrathoracic lymphangiogram (87.34)
          routine chest x-ray (87.44)
          sinogram of chest wall (87.38)
          soft tissue x-ray of chest wall NEC (87.39)
          tomogram of thorax NEC (87.42)
          ultrasonography of thorax 88.73

34.29 Other diagnostic procedures on mediastinum
Excludes: mediastinal:
          pneumogram (87.33)
          x-ray NEC (87.49)

34.3 Excision or destruction of lesion or tissue of mediastinum
Excludes: biopsy of mediastinum (34.25-34.26)
mediastinal fistulectomy (34.73)

34.4 Excision or destruction of lesion of chest wall
   Excision of lesion of chest wall NOS (with excision of ribs)
   Excludes: biopsy of chest wall (34.23)
   costectomy not incidental to thoracic procedure (77.91)
   excision of lesion of:
      breast (85.20-85.25)
      cartilage (80.89)
      skin (86.2-86.3)
      fistulectomy (34.73)

34.5 Pleurectomy
   34.51 Decortication of lung
      Excludes: thoracoscopic decortication of lung (34.52)
   34.52 Thoracoscopic decortication of lung
   34.59 Other excision of pleura
      Excision of pleural lesion
      Excludes: biopsy of pleura (34.24)
      pleural fistulectomy (34.73)

34.6 Scarification of pleura
   Pleurosclerosis
   Excludes: injection of sclerosing agent (34.92)

34.7 Repair of chest wall
   34.71 Suture of laceration of chest wall
      Excludes: suture of skin and subcutaneous tissue alone (86.59)
   34.72 Closure of thoracostomy
   34.73 Closure of other fistula of thorax
      Closure of:
      bronchopleural fistula
      bronchopleurocutaneous fistula
      bronchopleuromediastinal fistula
   34.74 Repair of pectus deformity
      Repair of:
      pectus carinatum (with implant)
      pectus excavatum (with implant)
   34.79 Other repair of chest wall
      Repair of chest wall NOS

34.8 Operations on diaphragm
   34.81 Excision of lesion or tissue of diaphragm
      Excludes: biopsy of diaphragm (34.27)
   34.82 Suture of laceration of diaphragm
   34.83 Closure of fistula of diaphragm
<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure</th>
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<tbody>
<tr>
<td>34.84</td>
<td>Other repair of diaphragm</td>
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<tr>
<td></td>
<td>Excludes: repair of diaphragmatic hernia (53.7-53.82)</td>
</tr>
<tr>
<td>34.85</td>
<td>Implantation of diaphragmatic pacemaker</td>
</tr>
<tr>
<td>34.89</td>
<td>Other operations on diaphragm</td>
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<tr>
<td>34.9</td>
<td>Other operations on thorax</td>
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<tr>
<td>34.91</td>
<td>Thoracentesis</td>
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<td>34.92</td>
<td>Injection into thoracic cavity</td>
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<td></td>
<td>Chemical pleurodesis</td>
</tr>
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<td>Injection of cytotoxic agent or tetracycline</td>
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<tr>
<td></td>
<td>Instillation into thoracic cavity</td>
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<td></td>
<td>Requires additional code for any cancer chemotherapeutic substance (99.25)</td>
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<tr>
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<td>Excludes: that for collapse of lung (33.32)</td>
</tr>
<tr>
<td>34.93</td>
<td>Repair of pleura</td>
</tr>
<tr>
<td>34.99</td>
<td>Other</td>
</tr>
<tr>
<td></td>
<td>Excludes: removal of:</td>
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<tr>
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<td>mediastinal drain (97.42)</td>
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<td>sutures (97.43)</td>
</tr>
<tr>
<td></td>
<td>thoracotomy tube (97.41)</td>
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</table>

7. OPERATIONS ON THE CARDIOVASCULAR SYSTEM (35-39)

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>Operations on valves and septa of heart</td>
</tr>
<tr>
<td></td>
<td>Includes: sternotomy (median) (transverse) as operative approach</td>
</tr>
<tr>
<td></td>
<td>thoracotomy as operative approach</td>
</tr>
<tr>
<td></td>
<td>Code also any cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)</td>
</tr>
<tr>
<td>35.0</td>
<td>Closed heart valvotomy or transcatheter replacement of heart valve</td>
</tr>
<tr>
<td></td>
<td>Excludes: percutaneous (balloon) valvuloplasty (35.96)</td>
</tr>
<tr>
<td>35.00</td>
<td>Closed heart valvotomy, unspecified valve</td>
</tr>
<tr>
<td>35.01</td>
<td>Closed heart valvotomy, aortic valve</td>
</tr>
<tr>
<td>35.02</td>
<td>Closed heart valvotomy, mitral valve</td>
</tr>
<tr>
<td>35.03</td>
<td>Closed heart valvotomy, pulmonary valve</td>
</tr>
<tr>
<td>35.04</td>
<td>Closed heart valvotomy, tricuspid valve</td>
</tr>
<tr>
<td>35.05</td>
<td>Endovascular replacement of aortic valve</td>
</tr>
<tr>
<td></td>
<td>Note: Includes that with any balloon valvuloplasty; do not code separately</td>
</tr>
<tr>
<td></td>
<td>Implantation of transcatheter aortic valve</td>
</tr>
<tr>
<td></td>
<td>Replacement of aortic valve with tissue graft (autograft) (bioprosthetic) (heterograft) (homograft):</td>
</tr>
</tbody>
</table>
transarterial approach
transfemoral approach
TAVI (transcatheter aortic valve implantation)
TAVR (transcatheter aortic valve replacement)
Excludes: open and other replacement of heart valve (35.20-35.28)

35.06 Transapical replacement of aortic valve
Note: Includes that with any balloon valvuloplasty; do not code separately
  Implantation of transcatheter aortic valve
  Replacement of aortic valve with tissue graft (autograft) (bioprosthetic) (heterograft)
  (homograft):
  intercostal approach
  transventricular approach
  That via transthoracic exposure, i.e. thoracotomy, sternotomy, or subxiphoid approach
Excludes: open and other replacement of heart valve (35.20-35.28)

35.07 Endovascular replacement of pulmonary valve
Note: Includes that with any balloon valvuloplasty; do not code separately
  Implantation of transcatheter pulmonary valve
  PPVI (percutaneous pulmonary valve implantation)
  Replacement of pulmonary valve:
  transfemoral approach
  transvenous approach
  That within previously created right ventricle-to pulmonary artery conduit
  TPVI (transcatheter pulmonary valve implantation)
Excludes: open and other replacement of heart valve (35.20-35.28)

35.08 Transapical replacement of pulmonary valve
Note: Includes that with any balloon valvuloplasty; do not code separately
  Implantation of transcatheter pulmonary valve
  Replacement of pulmonary valve:
  intercostal approach
  transventricular approach
  That via transthoracic exposure, i.e. thoracotomy, sternotomy, or subxiphoid approach
Excludes: open and other replacement of heart valve (35.20-35.28)

35.09 Endovascular replacement of unspecified heart valve
Note: Includes that with any balloon valvuloplasty; do not code separately
  Replacement of valve via:
  intercostal approach
  transventricular approach
Excludes: open and other replacement of heart valve (35.20-35.28)

35.1 Open heart valvuloplasty without replacement
Includes: open heart valvotomy
Excludes: that associated with repair of:
  endocardial cushion defect (35.54, 35.63, 35.73)
  valvular defect associated with atrial and ventricular septal defects (35.54, 35.63, 35.73)
  percutaneous (balloon) valvuloplasty (35.96)
Code also cardiopulmonary bypass if performed [extracorporeal circulation] [heart-lung machine] (39.61)
35.10 Open heart valvuloplasty without replacement, unspecified valve
35.11 Open heart valvuloplasty of aortic valve without replacement
35.12 Open heart valvuloplasty of mitral valve without replacement
35.13 Open heart valvuloplasty of pulmonary valve without replacement
35.14 Open heart valvuloplasty of tricuspid valve without replacement

35.2 Open and other replacement of heart valve
Includes: excision of heart valve with replacement
Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)
Excludes: that associated with repair of:
- endocardial cushion defect (35.54, 35.63, 35.73)
- transapical replacement of heart valve (35.06, 35.08)
- transcatheter replacement of heart valve (35.05, 35.07)
- valvular defect associated with atrial and ventricular septal defects (35.54, 35.63, 35.73)

35.20 Open and other replacement of unspecified heart valve
That with tissue graft or prosthetic implant
Excludes: endovascular replacement of unspecified heart valve (35.09)

35.21 Open and other replacement of aortic valve with tissue graft
Includes that by:
- autograft
- heterograft
- homograft
Excludes: endovascular replacement of aortic valve (35.05)
- transapical replacement of aortic valve (35.06)

35.22 Open and other replacement of aortic valve
Replacement of aortic valve, NOS
That with prosthetic (partial) (synthetic) (total)
Excludes: endovascular replacement of aortic valve (35.05)
- transapical replacement of aortic valve (35.06)

35.23 Open and other replacement of mitral valve with tissue graft
Includes that by:
- autograft
- heterograft
- homograft

35.24 Open and other replacement of mitral valve
Replacement of mitral valve, NOS
That with prosthetic (partial) (synthetic) (total)
Excludes: percutaneous repair with implant or leaflet clip (35.97)

35.25 Open and other replacement of pulmonary valve with tissue graft
Includes that by:
- autograft
- heterograft
- homograft
Excludes: endovascular replacement of pulmonary valve (35.07)
- transapical replacement of pulmonary valve (35.08)
<table>
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<th>Code</th>
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| 35.26 | Open and other replacement of pulmonary valve  
Replacement of pulmonary valve, NOS  
That with prosthetic (partial) (synthetic) (total)  
Excludes: endovascular replacement of pulmonary valve (35.07)  
transapical replacement of pulmonary valve (35.08) |
| 35.27 | Open and other replacement of tricuspid valve with tissue graft  
Includes that by:  
autograft  
heterograft  
homograft |
| 35.28 | Open and other replacement of tricuspid valve  
Replacement of tricuspid valve, NOS  
That with prosthetic (partial) (synthetic) (total) |
| 35.3 | Operations on structures adjacent to heart valves  
Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61) |
| 35.31 | Operations on papillary muscle  
Division of papillary muscle  
Reattachment of papillary muscle  
Repair of papillary muscle |
| 35.32 | Operations on chordae tendineae  
Division of chordae tendineae  
Repair of chordae tendineae |
| 35.33 | Annuloplasty  
Plication of annulus |
| 35.34 | Infundibulectomy  
Right ventricular infundibulectomy |
| 35.35 | Operations on trabeculae carneae cordis  
Division of trabeculae carneae cordis  
Excision of trabeculae carneae cordis  
Excision of aortic subvalvular ring |
| 35.39 | Operations on other structures adjacent to valves of heart  
Repair of sinus of Valsalva (aneurysm) |
| 35.4 | Production of septal defect in heart |
| 35.41 | Enlargement of existing atrial septal defect  
Rashkind procedure  
Septostomy (atrial) (balloon) |
| 35.42 | Creation of septal defect in heart  
Blalock-Hanlon operation |
| 35.5 | Repair of atrial and ventricular septa with prosthesis  
Includes: repair of septa with synthetic implant or patch  
Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)  
Excludes: that associated with repair of:  
35.50 | Repair of unspecified septal defect of heart with prosthesis |
endocardial cushion defect (35.54)
septal defect associated with valvular defect (35.54)

35.51 Repair of atrial septal defect with prosthesis, open technique
Atrioseptoplasty with prosthesis
Correction of atrial septal defect with prosthesis
Repair:
foramen ovale (patent)
with prosthesis ostium secundum defect with prosthesis
Excludes: that associated with repair of:
atrial septal defect associated with valvular and ventricular septal defects (35.54)
endocardial cushion defect (35.54)

35.52 Repair of atrial septal defect with prosthesis, closed technique
Insertion of atrial septal umbrella [King-Mills]

35.53 Repair of ventricular septal defect with prosthesis, open technique
Correction of ventricular septal defect with prosthesis
Repair of supracristal defect with prosthesis
Excludes: that associated with repair of:
endocardial cushion defect (35.54)
ventricular defect associated with valvular and atrial septal defects (35.54)

35.54 Repair of endocardial cushion defect with prosthesis
Repair:
atrioventricular canal with prosthesis (grafted to septa)
ostium primum defect with prosthesis (grafted to septa)
valvular defect associated with atrial and ventricular septal defects with prosthesis
(grafted to septa)
Excludes: repair of isolated:
atrial septal defect (35.51-35.52)
valvular defect (35.20, 35.22, 35.24, 35.26, 35.28)
ventricular septal defect (35.53)

35.55 Repair of ventricular septal defect with prosthesis, closed technique

35.6 Repair of atrial and ventricular septa with tissue graft
Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)

35.60 Repair of unspecified extracorporeal circulation of heart with tissue graft
Excludes: that associated with repair of:
endocardial cushion defect (35.63)
septal defect associated with valvular defect (35.63)

35.61 Repair of atrial septal defect with tissue graft
Atrioseptoplasty with tissue graft
Correction of atrial septal defect with tissue graft
Repair:
foramen ovale (patent) with tissue graft
ostium secundum defect with tissue graft
Excludes: that associated with repair of:
atrial septal defect associated with valvular and ventricular septal defects (35.63)
endocardial cushion defect (35.63)

35.62 Repair of ventricular septal defect with tissue graft
Correction of ventricular septal defect with tissue graft
Repair of supracristal defect with tissue graft

Excludes: that associated with repair of:
  - endocardial cushion defect (35.63)
  - ventricular defect with associated with valvular and atrial septal defects (35.63)

35.63 Repair of endocardial cushion defect with tissue graft
  Repair of:
    - atrioventricular canal with tissue graft
    - ostium primum defect with tissue graft
    - valvular defect associated with atrial and ventricular septal defects with tissue graft

Excludes: repair of isolated:
  - atrial septal defect (35.61)
  - valvular defect (35.20-35.21, 35.23, 35.25, 35.27)
  - ventricular septal defect (35.62)

35.7 Other and unspecified repair of atrial and ventricular septa

Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)

35.70 Other and unspecified repair of unspecified septal defect of heart
  Repair of septal defect NOS

Excludes: that associated with repair of:
  - endocardial cushion defect (35.73)
  - septal defect associated with valvular defect (35.73)

35.71 Other and unspecified repair of atrial septal defect
  Repair NOS:
    - atrial septum
    - foramen ovale (patent)
    - ostium secundum defect

Excludes: that associated with repair of:
  - atrial septal defect associated with valvular ventricular septal defects (35.73)
  - endocardial cushion defect (35.73)

35.72 Other and unspecified repair of ventricular septal defect
  Repair NOS:
    - supracristal defect
    - ventricular septum

Excludes: that associated with repair of:
  - endocardial cushion defect (35.73)
  - ventricular septal defect associated with valvular and atrial septal defects (35.73)

35.73 Other and unspecified repair of endocardial cushion defect
  Repair NOS:
    - atrioventricular canal
    - ostium primum defect
    - valvular defect associated with atrial and ventricular septal defects

Excludes: repair of isolated:
  - atrial septal defect (35.71)
  - valvular defect (35.20, 35.22, 35.24, 35.26, 35.28)
  - ventricular septal defect (35.72)

35.8 Total repair of certain congenital cardiac anomalies

Note: For partial repair of defect [e.g. repair of atrial septal defect in tetralogy of Fallot] -- code to specific procedure
35.81  Total repair of tetralogy of Fallot
   One-stage total correction of tetralogy of Fallot with or without:
   commissurotomy of pulmonary valve
   infundibulectomy
   outflow tract prosthesis
   patch graft of outflow tract
   prosthetic tube for pulmonary artery
   repair of ventricular septal defect (with prosthesis)
   take-down of previous systemic-pulmonary artery anastomosis

35.82  Total repair of total anomalous pulmonary venous connection
   One-stage total correction of total anomalous pulmonary venous connection with or
   without:
   anastomosis between (horizontal) common pulmonary trunk and posterior wall of left
   atrium (side-to-side)
   enlargement of foramen ovale
   incision [excision] of common wall between posterior left atrium and coronary sinus
   and roofing of resultant defect with patch graft (synthetic)
   ligation of venous connection (descending anomalous vein) (to left innominate vein)
   (to superior vena cava)
   repair of atrial septal defect (with prosthesis)

35.83  Total repair of truncus arteriosus
   One-stage total correction of truncus arteriosus with or without:
   construction (with aortic homograft) (with prosthesis) of a pulmonary artery placed
   from right ventricle to arteries supplying the lung
   ligation of connections between aorta and pulmonary artery
   repair of ventricular septal defect (with prosthesis)

35.84  Total correction of transposition of great vessels, not elsewhere classified
   Arterial switch operation [Jatene]
   Total correction of transposition of great arteries at the arterial level by switching the
   great arteries, including the left or both coronary arteries, implanted in the wall
   of the pulmonary artery

Excludes: baffle operation [Mustard] [Senning] (35.91)
   creation of shunt between right ventricle and pulmonary artery [Rastelli] (35.92)

35.9  Other operations on valves and septa of heart
Code also cardiopulmonary bypass, if performed [extracorporeal circulation] [heart-lung machine] (39.61)

35.91  Interatrial transposition of venous return
   Baffle:
   atrial
   interatrial
   Mustard's operation
   Resection of atrial septum and insertion of patch to direct systemic venous return to
   tricuspid valve and pulmonary venous return to mitral valve

35.92  Creation of conduit between right ventricle and pulmonary artery
   Creation of shunt between right ventricle and (distal) pulmonary artery

Excludes: that associated with total repair of truncus arteriosus (35.83)

35.93  Creation of conduit between left ventricle and aorta
   Creation of apicoaortic shunt
   Shunt between apex of left ventricle and aorta
35.94 Creation of conduit between atrium and pulmonary artery
Fontan procedure

35.95 Revision of corrective procedure on heart
Replacement of prosthetic heart valve poppet
Resuture of prosthesis of:
septum
valve

Excludes: complete revision -- code to specific procedure
replacement of prosthesis or graft of:
septum (35.50-35.63)
valve (35.20-35.28)

35.96 Percutaneous balloon valvuloplasty
Balloon dilation of valve

Excludes: endovascular replacement of heart valve (35.05, 35.07)
mitrail valve repair with implant (35.97)
transapical replacement of heart valve (35.06, 35.08)

35.97 Percutaneous mitral valve repair with implant
Endovascular mitral valve repair
Implantation of mitral valve leaflet clip
Transcatheter mitral valve repair

Code also any transesophageal echocardiography [TEE] (88.72)

Excludes: percutaneous balloon valvuloplasty (35.96)

35.98 Other operations on septa of heart

35.99 Other operations on valves of heart

36 Operations on vessels of heart

Includes: sternotomy (median) (transverse) as operative approach
thoracotomy as operative approach

Code also any
cardiopulmonary bypass, if performed [extracorporeal circulation] [heart-lung machine] (39.61)
injection or infusion of platelet inhibitor (99.20)
injection or infusion of thrombolytic agent (99.10)

36.0 Removal of coronary artery obstruction and insertion of stent(s)

36.03 Open chest coronary artery angioplasty
Coronary (artery):
endarterectomy (with patch graft)
thromboendarterectomy (with patch graft)
Open surgery for direct relief of coronary artery obstruction

Excludes: that with coronary artery bypass graft (36.10-36.19)

Code also any:
insertion of drug-eluting coronary stent(s) (36.07)
insertion of non-drug-eluting coronary stent(s) (36.06)
number of vascular stents inserted (00.45-00.48)
number of vessels treated (00.40-00.43)
procedure on vessel bifurcation (00.44)

36.04 Intracoronary artery thrombolytic infusion
That by direct coronary artery injection, infusion, or catheterization
   Enzyme infusion
   Platelet inhibitor

Excludes: infusion of platelet inhibitor  (99.20)
   infusion of thrombolytic agent (99.10)
   that associated with any procedure in 36.03

36.06  Insertion of non-drug-eluting coronary artery stent(s)
   Bare stent(s)
   Bonded stent(s)
   Drug-coated stent(s), i.e. heparin coated
   Endograft(s)
   Endovascular graft(s)
   Stent grafts

Code also any:
   number of vascular stents inserted (00.45-00.48)
   number of vessels treated (00.40-00.43)
   open chest coronary artery angioplasty (36.03)
   percutaneous transluminal coronary angioplasty [PTCA]  (00.66)
   procedure on vessel bifurcation (00.44)
   transluminal coronary atherectomy (17.55)

Excludes: insertion of drug-eluting coronary artery stent(s) (36.07)

36.07  Insertion of drug-eluting coronary artery stent(s)
   Endograft(s)
   Endovascular graft(s)
   Stent graft(s)

Code also any:
   number of vascular stents inserted (00.45-00.48)
   number of vessels treated (00.40-00.43)
   open chest coronary artery angioplasty (36.03)
   percutaneous transluminal coronary angioplasty [PTCA]  (00.66)
   procedure on vessel bifurcation (00.44)
   transluminal coronary atherectomy (17.55)

Excludes: drug-coated stents, e.g., heparin coated (36.06)
   insertion of non-drug-eluting coronary artery stent(s) (36.06)

36.09  Other removal of coronary artery obstruction
       Coronary angioplasty NOS

Code also any:
   number of vascular stents inserted (00.45-00.48)
   number of vessels treated (00.40-00.43)
   procedure on vessel bifurcation (00.44)

Excludes: that by open angioplasty (36.03)
   that by percutaneous transluminal coronary angioplasty [PTCA]  (00.66)
   transluminal coronary atherectomy (17.55)

36.1  Bypass anastomosis for heart revascularization

Note: Do not assign codes from series 00.40-00.43 with codes from series 36.10-36.19
Code also : cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)
   pressurized treatment of venous bypass graft [conduit] with pharmaceutical substance, if
   performed (00.16)
36.10 Aortocoronary bypass for heart revascularization, not otherwise specified
   Direct revascularization:
   - cardiac with catheter stent, prosthesis, or vein graft
   - coronary with catheter stent, prosthesis, or vein graft
   - heart muscle with catheter stent, prosthesis, or vein graft
   - myocardial with catheter stent, prosthesis, or vein graft
   Heart revascularization NOS

36.11 (Aorto)coronary bypass of one coronary artery

36.12 (Aorto)coronary bypass of two coronary arteries

36.13 (Aorto)coronary bypass of three coronary arteries

36.14 (Aorto)coronary bypass of four or more coronary arteries

36.15 Single internal mammary-coronary artery bypass
   Anastomosis (single):
   - mammary artery to coronary artery
   - thoracic artery to coronary artery

36.16 Double internal mammary-coronary artery bypass
   Anastomosis, double:
   - mammary artery to coronary artery
   - thoracic artery to coronary artery

36.17 Abdominal - coronary artery bypass
   Anastomosis:
   - Gastroepiploic - coronary artery

36.19 Other bypass anastomosis for heart revascularization

36.2 Heart revascularization by arterial implant
   Implantation of:
   - aortic branches [ascending aortic branches] into heart muscle
   - blood vessels into myocardium
   - internal mammary artery [internal thoracic artery] into:
     - heart muscle
     - myocardium
     - ventricle
     - ventricular wall
   Indirect heart revascularization NOS

36.3 Other heart revascularization

36.31 Open chest transmyocardial revascularization

36.32 Other transmyocardial revascularization

36.33 Endoscopic transmyocardial revascularization
   Thoracoscopic transmyocardial revascularization

36.34 Percutaneous transmyocardial revascularization
   Endovascular transmyocardial revascularization

36.39 Other heart revascularization
   - Abrasion of epicardium
   - Cardio-omentopexy
   - Intrapericardial poudrage
Myocardial graft:
- mediastinal fat
- omentum
- pectoral muscles

36.9 Other operations on vessels of heart
Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)

- 36.91 Repair of aneurysm of coronary vessel
- 36.99 Other operations on vessels of heart
  - Exploration of coronary artery
  - Incision of coronary artery
  - Ligation of coronary artery
  - Repair of arteriovenous fistula

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<th>37</th>
<th>Other operations on heart and pericardium</th>
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Code also any injection or infusion of platelet inhibitor (99.20)

37.0 Pericardiocentesis

37.1 Cardiotomy and pericardiectomy
Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)

- 37.10 Incision of heart, not otherwise specified
  - Cardiolytic NOS
- 37.11 Cardiotomy
  - Incision of:
    - atrium
    - endocardium
    - myocardium
    - ventricle
- 37.12 Pericardiectomy
  - Pericardial window operation
  - Pericardiolysis
  - Pericardiectomy

37.2 Diagnostic procedures on heart and pericardium

- 37.20 Noninvasive programmed electrical stimulation (NIPS)
  Excludes: that as part of intraoperative testing - omit code catheter based invasive electrophysiologic testing (37.26)
  device interrogation only without arrhythmia induction (bedside check) (89.45-89.49)
- 37.21 Right heart cardiac catheterization
  - Cardiac catheterization NOS
  Excludes: that with catheterization of left heart (37.23)
- 37.22 Left heart cardiac catheterization
  Excludes: that with catheterization of right heart (37.23)
- 37.23 Combined right and left heart cardiac catheterization
- 37.24 Biopsy of pericardium
37.25  Biopsy of heart

37.26  Catheter based invasive electrophysiologic testing
Electrophysiologic studies [EPS]
Code also any concomitant procedure
Excludes: that as part of intraoperative testing - omit code
device interrogation only without arrhythmia induction (bedside check) (89.45-89.49)
His bundle recording (37.29)
noninvasive programmed electrical stimulation (NIPS) (37.20)

37.27  Cardiac mapping
Code also any concomitant procedure
Excludes: electrocardiogram (89.52)
His bundle recording (37.29)

37.28  Intracardiac echocardiography
Echocardiography of heart chambers
ICE
Code also any synchronous Doppler flow mapping (88.72)
Excludes: intravascular imaging of coronary vessels (intravascular ultrasound)(IVUS) (00.24)

37.29  Other diagnostic procedures on heart and pericardium
Excludes: angiocardiography (88.50-88.58)
cardiac function tests (89.41-89.69)
cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine], if performed (39.61)
coronary arteriography (88.55-88.57)
diagnostic pericardiocentesis (37.0)
diagnostic ultrasound of heart (88.72)
x-ray of heart (87.49)

37.3  Pericardectomy and excision of lesion of heart
Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine], if performed (39.61)

37.31  Pericardectomy
Excision of:
adhesions of pericardium constricting scar of:
epicardium
pericardium

37.32  Excision of aneurysm of heart
Repair of aneurysm of heart

37.33  Excision or destruction of other lesion or tissue of heart, open approach
Ablation or incision of heart tissue (cryoablation) (electrocurrent) (laser) (microwave)
(radiofrequency) (resection) (ultrasound), open chest approach
Cox-maze procedure
Maze procedure
That by median sternotomy
That by thoracotomy without use of thoracoscope
Excludes: ablation, excision or destruction of lesion or tissue of heart:
endovascular approach (37.34)
thoracoscopic approach (37.37)
excision or destruction of left atrial appendage (LAA) (37.36)
37.34 Excision or destruction of other lesion or tissue of heart, endovascular approach
Ablation of heart tissue (cryoablation) (electrocurrent) (laser) (microwave)
(radiofrequency) (ultrasound), via peripherally inserted catheter
Modified maze procedure, percutaneous approach
Excludes: ablation, excision or destruction of lesion or tissue of heart:
open approach (37.33)
thoracoscopic approach (37.37)

37.35 Partial ventriculectomy
Ventricular reduction surgery
Ventricular remodeling
Code also any synchronous: mitral valve repair (35.02, 35.12)
mitral valve replacement (35.23-35.24)

37.36 Excision, destruction, or exclusion of left atrial appendage (LAA)
Includes: Endovascular approach, minithoracotomy approach, percutaneous approach, subxiphoid
approach, or thoracoscopic approach
Clipping of left atrial appendage
Oversewing of left atrial appendage
Stapling of left atrial appendage
That by fastener or suture
Code also any:
concomitant (open) procedure performed
fluoroscopy (87.49)
transesophageal echocardiography (TEE) (88.72)
Excludes: ablation, excision or destruction of lesion or tissue of heart, endovascular approach (37.34)
excision or destruction of other lesion or tissue of heart, thoracoscopic approach (37.37)
insertion of left atrial appendage device (37.90)

37.37 Excision or destruction of other lesion or tissue of heart, thoracoscopic approach
Ablation or incision of heart tissue (cryoablation) (electrocautery) (laser) (microwave)
(radiofrequency) (resection) (ultrasound), via thoracoscope
Modified maze procedure, thoracoscopic approach
That via thoracoscopically-assisted approach (without thoracotomy) (with port access)
(with sub-xiphoid incision)
Excludes: ablation, excision or destruction of lesion or tissue of heart:
endovascular approach (37.34)
open approach (37.33)
thoracoscopic excision or destruction of left atrial appendage [LAA] (37.36)

37.4 Repair of heart and pericardium

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)

37.49 Other repair of heart and pericardium

37.5 Heart replacement procedures

37.51 Heart transplantation
  Excludes: combined heart-lung transplantation  (33.6)

37.52 Implantation of total internal biventricular heart replacement system
  Artificial heart
  
  Note: This procedure includes substantial removal of part or all of the biological heart. Both ventricles are resected, and the native heart is no longer intact. Ventriculectomy is included in this procedure; do not code separately.
  
  Excludes: implantation of heart assist system [VAD] (37.62, 37.65, 37.66, 37.68)

37.53 Replacement or repair of thoracic unit of (total) replacement heart system
  
  Excludes: replacement and repair of heart assist system [VAD](37.63)

37.54 Replacement or repair of other implantable component of (total) replacement heart system
  
  Implantable battery
  Implantable controller
  Transcutaneous energy transfer [TET] device
  
  Excludes: replacement and repair of heart assist system [VAD] (37.63)
  replacement or repair of thoracic unit of (total) replacement heart system (37.53)

37.55 Removal of internal biventricular heart replacement system
  
  Explantation of artificial heart
  
  Code also any concomitant procedure, such as:
  combined heart-lung transplantation (33.6)
  heart transplantation (37.51)
  implantation of internal biventricular heart replacement system (37.52)
  
  Excludes: explantation [removal] of external heart assist system (37.64)
  explantation [removal] of percutaneous external heart assist device (97.44)
  nonoperative removal of heart assist system (97.44)
  that with replacement or repair of heart replacement system (37.53, 37.54)

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

37.60 Implantation or insertion of biventricular external heart assist system
  
  Temporary cardiac support for both left and right ventricles, inserted in the same operative episode
  
  Includes: open chest (sternotomy) procedure for cannulae attachments
  
  Note: Device (outside the body but connected to heart) with external circulation pump. Ventriculectomy is included; do not code separately.
  
  Excludes: implantation of internal biventricular heart replacement system (artificial heart) (37.52)
  implant of pulsation balloon (37.61)
  insertion of percutaneous external heart assist device (37.68)
  insertion of temporary non-implantable extracorporeal circulatory assist device (37.62)

37.61 Implant of pulsation balloon

37.62 Insertion of temporary non-implantable extracorporeal circulatory assist device
  
  Insertion of heart assist system, NOS
  Insertion of heart pump
Excludes: implantation of total internal biventricular heart replacement system [artificial heart] (37.52)
- implant of external heart assist system (37.65)
- insertion of implantable extracorporeal heart assist system (37.66)
- insertion of percutaneous external heart assist device (37.68)
- removal of heart assist system (37.64)

Note: Includes: explantation of this device; do not code separately.

37.63 Repair of heart assist system
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)
- replacement or repair of thoracic unit of (total) replacement heart system [artificial heart] (37.53)

37.64 Removal of external heart assist system(s) or device(s)
- Explantation of external device(s) providing left and right ventricular support
- Explantation of single external device and cannulae

Excludes:
- explantation [removal] of percutaneous external heart assist device (97.44)
- nonoperative removal of heart assist system (97.44)
- temporary non-implantable extracorporeal circulatory assist device (37.62)
- that with replacement of implant (37.63)

37.65 Implant of single ventricular (extracorporeal) external heart assist system
Insertion of one device into one ventricle

Note: Device (outside the body but connected to heart) with external circulation and pump.

Note: Insertion or implantation of one external VAD for left or right heart support.
Includes: open chest (sternotomy) procedure for cannulae attachments

Excludes:
- implant of pulsation balloon (37.61)
- implantation of total internal biventricular heart replacement system (37.52)
- insertion of implantable heart assist system (37.66)
- insertion of percutaneous external heart assist device (37.68)
- insertion or implantation of two external VADs for simultaneous right and left heart support (37.60)
- that without sternotomy (37.62)

37.66 Insertion of implantable heart assist system
Axial flow heart assist system
Diagonal pump heart assist system
Left ventricular assist device (LVAD)
Pulsatile heart assist system
Right ventricular assist device (RVAD)
Rotary pump heart assist system
Transportable, implantable heart assist system.
Ventricular assist device (VAD) not otherwise specified

Note: Device directly connected to the heart and implanted in the upper left quadrant of peritoneal cavity.

Note: This device can be used for either destination therapy (DT) or bridge-to-transplant (BTT)

Excludes:
- implant of pulsation balloon (37.61)
- implantation of total internal biventricular heart replacement system [artificial heart] (37.52)
- insertion of percutaneous external heart assist device (37.68)
37.67 Implantation of cardiomyostimulation system
Note: Two-step open procedure consisting of transfer of one end of the latissimus dorsi muscle; wrapping it around the heart; rib resection; implantation of epicardial cardiac pacing leads into the right ventricle; tunneling and pocket creation for the cardiomyostimulator.

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

37.7 Insertion, revision, replacement, and removal of leads; insertion of temporary pacemaker system; or revision of cardiac device pocket
Code also any insertion and replacement of pacemaker device (37.80-37.87)
Excludes: implantation or replacement of transvenous lead [electrode] into left ventricular cardiac venous system (00.52)

37.70 Initial insertion of lead [electrode], not otherwise specified
   Excludes: insertion of temporary transvenous pacemaker system (37.78)
   replacement of atrial and/or ventricular lead(s) (37.76)

37.71 Initial insertion of transvenous lead [electrode] into ventricle
   Excludes: insertion of temporary transvenous pacemaker system (37.78)
   replacement of atrial and/or ventricular lead(s) (37.76)

37.72 Initial insertion of transvenous leads [electrodes] into atrium and ventricle
   Excludes: insertion of temporary transvenous pacemaker system (37.78)
   replacement of atrial and/or ventricular lead(s) (37.76)

37.73 Initial insertion of transvenous lead [electrode] into atrium
   Excludes: insertion of temporary transvenous pacemaker system (37.78)
   replacement of atrial and/or ventricular lead(s) (37.76)

37.74 Insertion or replacement of epicardial lead [electrode] into epicardium
   Insertion or replacement of epicardial by:
   sternotomy
   thoracotomy
   Excludes: replacement of atrial and/or ventricular lead(s) (37.76)

37.75 Revision of lead [electrode]
   Repair of electrode [removal with re-insertion]
   Repositioning of lead(s) (AICD) (cardiac device) (CRT-D) (CRT-P) (defibrillator) (pacemaker) (pacing) (sensing) [electrode]
   Revision of lead NOS
   Excludes: repositioning of temporary transvenous pacemaker system -- omit code

37.76 Replacement of transvenous atrial and/or ventricular lead(s) [electrode]
   Removal or abandonment of existing transvenous or epicardial lead(s) with transvenous lead(s) replacement
   Excludes: replacement of epicardial lead [electrode] (37.74)

37.77 Removal of lead(s) [electrode] without replacement
   Removal:
epicardial lead (transsthoracic approach)
transvenous lead(s)

Excludes: removal of temporary transvenous pacemaker system -- omit code
that with replacement of:
atrial and/or ventricular lead(s) [electrode] (37.76)
epicardial lead [electrode] (37.74)

37.78 Insertion of temporary transvenous pacemaker system
Excludes: intraoperative cardiac pacemaker (39.64)

37.79 Revision or relocation of cardiac device pocket
- Debridement and reforming pocket (skin and subcutaneous tissue)
- Insertion of loop recorder
- Relocation of pocket [creation of new pocket] pacemaker or CRT-P
- Removal of cardiac device/pulse generator without replacement
- Removal of the implantable hemodynamic pressure sensor (lead) and monitor device
- Removal without replacement of cardiac resynchronization defibrillator device
- Repositioning of implantable hemodynamic pressure sensor (lead) and monitor device
- Repositioning of pulse generator
- Revision of cardioverter/defibrillator (automatic) pocket
- Revision of pocket for intracardiac hemodynamic monitoring
- Revision or relocation of CRT-D pocket
- Revision or relocation of pacemaker, defibrillator, or other implanted cardiac device pocket

Excludes: removal of loop recorder (86.05)

37.8 Insertion, replacement, removal, and revision of pacemaker device
Note: Device testing during procedure - omit code
Code also any lead insertion, lead replacement, lead removal and/or lead revision (37.70-37.77)

Excludes: implantation of cardiac resynchronization pacemaker [CRT-P] (00.50)
implantation or replacement of cardiac resynchronization pacemaker pulse generator only [CRT-P] (00.53)

37.80 Insertion of permanent pacemaker, initial or replacement, type of device not specified

37.81 Initial insertion of single-chamber device, not specified as rate responsive
Excludes: replacement of existing pacemaker device (37.85-37.87)

37.82 Initial insertion of single-chamber device, rate responsive
Rate responsive to physiologic stimuli other than atrial rate
Excludes: replacement of existing pacemaker device (37.85-37.87)

37.83 Initial insertion of dual-chamber device
Atrial ventricular sequential device
Excludes: replacement of existing pacemaker device (37.85-37.87)

37.85 Replacement of any type pacemaker device with single-chamber device, not specified as rate responsive

37.86 Replacement of any type of pacemaker device with single-chamber device, rate responsive
Rate responsive to physiologic stimuli other than atrial rate

37.87 Replacement of any type pacemaker device with dual-chamber device
Atrial ventricular sequential device
37.89 Revision or removal of pacemaker device
   Removal without replacement of cardiac resynchronization pacemaker device [CRT-P]
   Repair of pacemaker device

Excludes: removal of temporary transvenous pacemaker system -- omit code
   replacement of existing pacemaker device (37.85-37.87)
   replacement of existing pacemaker device with CRT-P pacemaker device (00.53)

37.9 Other operations on heart and pericardium

37.90 Insertion of left atrial appendage device
   Left atrial filter
   Left atrial occluder
   Transseptal catheter technique

37.91 Open chest cardiac massage
Excludes: closed chest cardiac massage (99.63)

37.92 Injection of therapeutic substance into heart

37.93 Injection of therapeutic substance into pericardium

37.94 Implantation or replacement of automatic cardioverter/defibrillator, total system [AICD]
   Implantation of defibrillator with leads (epicardial patches), formation of pocket
   (abdominal fascia) (subcutaneous), any transvenous leads, intraoperative
   procedures for evaluation of lead signals, and obtaining defibrillator threshold
   measurements

   Techniques:
   lateral thoracotomy
   medial sternotomy
   subxiphoid procedure

Note: Device testing during procedure - omit code

Code also extracorporeal circulation, if performed (39.61)

Code also any concomitant procedure [e.g., coronary bypass (36.10-36.19) or CCM, total system
(17.51)]

Excludes: implantation of cardiac resynchronization defibrillator, total system [CRT-D] (00.51)

37.95 Implantation of automatic cardioverter/defibrillator lead(s) only

37.96 Implantation of automatic cardioverter/defibrillator pulse generator only

Note: Device testing during procedure - omit code

Excludes: implantation or replacement of cardiac resynchronization defibrillator, pulse generator
device only [CRT-D] (00.54)

37.97 Replacement of automatic cardioverter/defibrillator lead(s) only

Excludes: replacement of epicardial lead [electrode] into epicardium (37.74)
   replacement of transvenous lead [electrode] into left ventricular coronary venous
   system (00.52)

37.98 Replacement of automatic cardioverter/defibrillator pulse generator only

Note: Device testing during procedure - omit code

Excludes: replacement of cardiac resynchronization defibrillator, pulse generator device only
   [CRT-D] (00.54)

37.99 Other
Excludes: cardiac retraining (93.36)
conversion of cardiac rhythm  (99.60-99.69)
implantation of prosthetic cardiac support device (37.41)
insertion of left atrial appendage device (37.90)
maze procedure (Cox-maze), open (37.33)
maze procedure, endovascular approach  (37.34)
repositioning of pulse generator (37.79)
revision of lead(s) (37.75)
revision or relocation of pacemaker, defibrillator or other implanted cardiac device pocket (37.79)

38 Incision, excision, and occlusion of vessels

Code also
any application or administration of an adhesion barrier substance (99.77)
cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)

Excludes: that of coronary vessels (00.66, 36.03, 36.04, 36.09, 36.10-36.99)

The following fourth-digit subclassification is for use with appropriate categories in section 38.0, 38.1, 38.3, 38.5, 38.6, 38.8, and 38.9 according to site. Valid fourth-digits are in [brackets] at the end of each code/description.

0 unspecified site
1 intracranial vessels
   Cerebral (anterior) (middle)
   Circle of Willis
   Posterior communicating artery
2 other vessels of head and neck
   Carotid artery (common) (external) (internal)
   Jugular vein (external) (internal)
3 upper limb vessels
   Axillary
   Brachial
   Radial
   Ulnar
4 aorta
5 other thoracic vessels
   Innominate
   Pulmonary (artery) (vein)
   Subclavian
   Vena cava, superior
6 abdominal arteries
   Celiac
   Gastric
   Hepatic
   Iliac
   Mesenteric
   Renal
   Splenic
   Umbilical
Excludes: abdominal aorta (4)
7 abdominal veins
   Iliac
   Portal
   Renal
   Splenic
Vena cava (inferior)

8 lower limb arteries
   Femoral (common) (superficial)
   Popliteal
   Tibial

9 lower limb veins
   Femoral
   Popliteal
   Saphenous
   Tibial

38.0 Incision of vessel
   Embolectomy
   Thrombectomy

Excludes: endovascular removal of obstruction from head and neck vessel(s) (39.74)
   puncture or catheterization of any:
     artery (38.91, 38.98)
     vein (38.92-38.95, 38.99)

38.1 Endarterectomy
   Endarterectomy with:
     embolectomy
     patch graft
     temporary bypass during procedure
     thrombectomy

Code also any:
   number of vascular stents inserted (00.45-00.48)
   number of vessels treated (00.40-00.43)
   procedure on vessel bifurcation (00.44)

38.2 Diagnostic procedures on blood vessels
Excludes: adjunct vascular system procedures (00.40-00.43)

38.21 Biopsy of blood vessel

38.22 Percutaneous angioscopy
Excludes: angioscopy of eye (95.12)

38.23 Intravascular spectroscopy

Includes: spectroscopy of both coronary and peripheral vessels
   Intravascular chemography
   Near infrared (NIR) spectroscopy

Excludes: intravascular imaging of:
   coronary vessels (00.24, 38.24)
   peripheral vessels (00.23, 38.25)

38.24 Intravascular imaging of coronary vessel(s) by optical coherence tomography [OCT]

38.25 Intravascular imaging of non-coronary vessel(s) by optical coherence tomography [OCT]
Excludes: intravascular imaging of coronary vessel(s) by OCT (38.24)

38.26 Insertion of implantable pressure sensor without lead for intracardiac or great vessel
   hemodynamic monitoring
Note: The sensor is a standalone device and is not physically connected to a separately implanted monitor.

- Leadless pressure sensor not physically connected to a separately implanted monitor
- Single device combination leadless pressure sensor with integral monitor for intracardiac or great vessel (or branch thereof) hemodynamic monitoring
- With or without internal batteries
- Without leads

Excludes:
- Circulatory monitoring (blood gas, arterial or venous pressure, cardiac output and coronary blood flow) (89.60-89.69)
- Hemodynamic monitoring system with sensor and separately implanted monitor (00.56-00.57)
- Insertion or replacement of implantable pressure sensor with lead for intracardiac or great vessel hemodynamic monitoring (00.56)

38.29 Other diagnostic procedures on blood vessels

Excludes:
- Blood vessel thermography (88.86)
- Circulatory monitoring (89.61-89.69)
- Contrast:
  - Angiocardiology (88.50-88.58)
  - Angiography (88.40-88.49)
  - Phlebography (88.60-88.67)
  - Impedance phlebography (88.68)
  - Peripheral vascular ultrasonography (88.77)
  - Plethysmogram (89.58)

38.3 Resection of vessel with anastomosis

- Angiectomy
- Excision of:
  - Aneurysm (arteriovenous) with anastomosis
  - Blood vessel (lesion) with anastomosis

38.4 Resection of vessel with replacement

- Angiectomy
- Excision of:
  - Aneurysm (arteriovenous) or blood vessel (lesion) with replacement
  - Partial resection with replacement

Excludes: Endovascular repair of aneurysm (39.71-39.79)

Requires the use of one of the following fourth-digit subclassifications to identify site:

- 0 unspecified site
- 1 intracranial vessels
  - Cerebral (anterior) (middle)
  - Circle of Willis
  - Posterior communicating artery
- 2 other vessels of head and neck
  - Carotid artery (common) (external) (internal)
  - Jugular vein (external) (internal)
- 3 upper limb vessels
  - Axillary
  - Brachial
  - Radial
  - Ulnar
4 aorta, abdominal
   Code also any thoracic vessel involvement (thoracoabdominal procedure) (38.45)
5 thoracic vessels
   Aorta (thoracic)
   Innominate
   Pulmonary (artery) (vein)
   Subclavian
   Vena cava, superior
   Code also any abdominal aorta involvement (thoracoabdominal procedure) (38.44)
6 abdominal arteries
   Celiac
   Gastric
   Hepatic
   Iliac
   Mesenteric
   Renal
   Splenic
   Umbilical
   Excludes: abdominal aorta (4)
7 abdominal veins
   Iliac
   Portal
   Renal
   Splenic
   Vena cava (inferior)
8 lower limb arteries
   Femoral (common) (superficial)
   Popliteal
   Tibial
9 lower limb veins
   Femoral
   Popliteal
   Saphenous
   Tibial

38.5 Ligation and stripping of varicose veins
   [0-3, 5, 7, 9]
   Excludes: ligation of varices:
   esophageal (42.91)
   gastric (44.91)

38.6 Other excision of vessel
   [0-9]
   Excision of blood vessel (lesion) NOS
   Excludes: excision of vessel for aortocoronary bypass (36.10-36.14)
   excision with:
   anastomosis (38.30-38.39)
   graft replacement (38.40-38.49)
   implant (38.40-38.49)

38.7 Interruption of the vena cava
   Insertion of implant or sieve in vena cava
   Ligature of vena cava (inferior) (superior)
   Plication of vena cava

38.8 Other surgical occlusion of vessels
[0-9]
Clamping of blood vessel
Division of blood vessel
Ligation of blood vessel
Occlusion of blood vessel

Excludes:  
- adrenal vessels (07.43)
- esophageal varices (42.91)
- gastric or duodenal vessel for ulcer (44.40-44.49)
- gastric varices (44.91)
- meningeal vessel (02.13)
- percutaneous transcatheter infusion embolization (99.29)
- spermatic vein for varicocele (63.1)
- surgical occlusion of vena cava (38.7)
- that for chemoembolization (99.25)
- that for control of (postoperative) hemorrhage:
  - anus (49.95)
  - bladder (57.93)
  - following vascular procedure (39.41)
  - nose (21.00-21.09)
  - prostate (60.94)
  - tonsil (28.7)
  - thyroid vessel (06.92)
  - transcatheter (infusion) 99.29

38.9  Puncture of vessel

Excludes:  
- that for circulatory monitoring (89.60-89.69)

38.91  Arterial catheterization
38.92  Umbilical vein catheterization
38.93  Venous catheterization, not elsewhere classified

Excludes:  
- that for cardiac catheterization (37.21-37.23)
- that for renal dialysis (38.95)
- that with guidance (electrocardiogram) (fluoroscopy) (ultrasound) (38.97)

38.94  Venous cutdown
38.95  Venous catheterization for renal dialysis

Excludes:  
- insertion of totally implantable vascular access device [VAD] (86.07)

38.97  Central venous catheter placement with guidance

Includes guidance by:
- electrocardiogram
- fluoroscopy
- ultrasound

38.98  Other puncture of artery

Excludes:  
- arteriography (88.40-88.49)
- coronary arteriography (88.55-88.57)

38.99  Other puncture of vein

Phlebotomy

Excludes:  
- angiography of veins (88.60-88.68)
extracorporeal circulation (39.61, 50.92)
  injection or infusion of:
    sclerosing solution (39.92)
    therapeutic or prophylactic substance (99.11-99.29)
  perfusion (39.96-39.97)
  phlebography (88.60-88.68)
  transfusion (99.01-99.09)

39 Other operations on vessels

Excludes: those on coronary vessels (36.03-36.99)

39.0 Systemic to pulmonary artery shunt
  Descending aorta-pulmonary artery anastomosis (graft)
  Left to right anastomosis (graft)
  Subclavian-pulmonary anastomosis (graft)
  
  Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)

39.1 Intra-abdominal venous shunt
  Anastomosis:
    mesocaval
    portacaval
    portal vein to inferior vena cava
    splenic and renal veins
    transjugular intrahepatic portosystemic shunt (TIPS)

Excludes: peritoneovenous shunt (54.94)

39.2 Other shunt or vascular bypass
  
  Code also pressurized treatment of venous bypass graft [conduit] with pharmaceutical substance, if performed (00.16)

39.21 Caval-pulmonary artery anastomosis

  Code also cardiopulmonary bypass (39.61)

39.22 Aorta-subclavian-carotid bypass
  Bypass (arterial):
    aorta to carotid and brachial
    aorta to subclavian and carotid
    carotid to subclavian

39.23 Other intrathoracic vascular shunt or bypass
  Intrathoracic (arterial) bypass graft NOS

Excludes: coronary artery bypass  (36.10-36.19)

39.24 Aorta-renal bypass

39.25 Aorta-iliac-femoral bypass
  Bypass:
    aortofemoral
    aortoiliac
    aortoiliac to popliteal
    aortopopliteal
    iliofemoral [iliac-femoral]

39.26 Other intra-abdominal vascular shunt or bypass
  Bypass:
aortoceliac
aortic-superior mesenteric
common hepatic-common iliac-renal
Intra-abdominal arterial bypass graft NOS

Excludes: peritoneovenous shunt (54.94)

39.27 Arteriovenostomy for renal dialysis
Anastomosis for renal dialysis
Formation of (peripheral) arteriovenous fistula for renal [kidney] dialysis

Code also any renal dialysis (39.95)

39.28 Extracranial-intracranial (EC-IC) vascular bypass

39.29 Other (peripheral) vascular shunt or bypass
Bypass (graft):
axillary-brachial
axillary-femoral [axillofemoral] (superficial)
brachial
femoral-femoral
femoroperoneal
femoropopliteal (arteries)
femorotibial (anterior) (posterior)
popliteal
vascular NOS

Excludes: peritoneovenous shunt (54.94)

39.3 Suture of vessel
Repair of laceration of blood vessel

Excludes: any other vascular puncture closure device - omit code suture of aneurysm (39.52)
that for control of hemorrhage (postoperative):
anus (49.95)
bladder (57.93)
following vascular procedure (39.41)
nose (21.00-21.09)
prostate (60.94)
tonsil (28.7)

39.30 Suture of unspecified blood vessel

39.31 Suture of artery

39.32 Suture of vein

39.4 Revision of vascular procedure

39.41 Control of hemorrhage following vascular surgery
Excludes: that for control of hemorrhage (post operative):
anus (49.95)
bladder (57.93)
nose (21.00-21.09)
prostate (60.94)
tonsil (28.7)

39.42 Revision of arteriovenous shunt for renal dialysis
Conversion of renal dialysis:
   end-to-end anastomosis to end-to-side
   end-to-side anastomosis to end-to-end
   vessel-to-vessel cannula to arteriovenous shunt
Removal of old arteriovenous shunt and creation of new shunt
Excludes: replacement of vessel-to-vessel cannula (39.94)

39.43   Removal of arteriovenous shunt for renal dialysis
Excludes: that with replacement [revision] of shunt (39.42)

39.49   Other revision of vascular procedure
   Declotting (graft)
   Revision of:
      anastomosis of blood vessel
      vascular procedure (previous)

39.5   Other repair of vessels

39.50   Angioplasty of other non-coronary vessel(s)
   Percutaneous transluminal angioplasty (PTA) of non-coronary vessels:
      Lower extremity vessels
      Mesenteric artery
      Renal artery
      Upper extremity vessels

Code also any:
   atherectomy of other non-coronary vessels(s) (17.56)
   injection or infusion of thrombolytic agent (99.10)
   insertion of drug-eluting peripheral vessel stent (00.55)
   insertion of non-drug-eluting peripheral vessel stent(s) or stent grafts(s) (39.90)
   number of vascular stents inserted (00.45-00.48)
   number of vessels treated (00.40-00.43)
   procedure on vessel bifurcation (00.44)

Excludes: percutaneous angioplasty of extracranial or intracranial vessel(s) (00.61-00.62)
   percutaneous atherectomy of extracranial or intracranial vessel(s) (17.53-17.54)

39.51   Clipping of aneurysm
Excludes: clipping of arteriovenous fistula (39.53)

39.52   Other repair of aneurysm
   Repair of aneurysm by:
      coagulation
      electrocoagulation
      filipuncture
      methyl methacrylate
      suture
      wiring
      wrapping

Excludes: endovascular repair of aneurysm (39.71-39.79)
   re-entry operation (aorta) (39.54)
   that with:
      graft replacement (38.40-38.49)
      resection (38.30-38.49, 38.60-38.69)

39.53   Repair of arteriovenous fistula
   Embolization of carotid cavernous fistula
Repair of arteriovenous fistula by:
- clipping
- coagulation
- ligation and division

Excludes: repair of:
- arteriovenous shunt for renal dialysis (39.42)
- head and neck vessels, endovascular approach (39.72)
  that with:
    - graft replacement (38.40-38.49)
    - resection (38.30-38.49, 38.60-38.69)

39.54 Re-entry operation (aorta)
  Fenestration of dissecting aneurysm of thoracic aorta

Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)

39.55 Reimplantation of aberrant renal vessel

39.56 Repair of blood vessel with tissue patch graft
  Excludes: that with resection (38.40-38.49)

39.57 Repair of blood vessel with synthetic patch graft
  Excludes: that with resection (38.40-38.49)

39.58 Repair of blood vessel with unspecified type of patch graft
  Excludes: that with resection (38.40-38.49)

39.59 Other repair of vessel
  - Aorticopulmonary window operation
  - Arterioplasty NOS
  - Construction of venous valves (peripheral)
  - Plication of vein (peripheral)
  - Reimplantation of artery

Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)
  Excludes: interruption of the vena cava (38.7)
    reimplantation of renal artery (39.55)
      that with:
        - graft (39.56-39.58)
        - resection (38.30-38.49, 38.60-38.69)

39.6 Extracorporeal circulation and procedures auxiliary to heart surgery

39.61 Extracorporeal circulation auxiliary to open heart surgery
  - Artificial heart and lung
  - Cardiopulmonary bypass
  - Pump oxygenator

  Excludes: extracorporeal hepatic assistance (50.92)
    extracorporeal membrane oxygenation [ECMO] (39.65)
    hemodialysis (39.95)
    percutaneous cardiopulmonary bypass (39.66)

39.62 Hypothermia (systemic) incidental to open heart surgery

39.63 Cardioplegia
  Arrest:
anoxic
circulatory

39.64 Intraoperative cardiac pacemaker
  Temporary pacemaker used during and immediately following cardiac surgery

39.65 Extracorporeal membrane oxygenation [ECMO]
  Excludes: extracorporeal circulation auxiliary to open heart surgery (39.61)
  percutaneous cardiopulmonary bypass (39.66)

39.66 Percutaneous cardiopulmonary bypass
  Closed chest
  Excludes: extracorporeal circulation auxiliary to open heart surgery (39.61)
  extracorporeal hepatic assistance (50.92)
  extracorporeal membrane oxygenation [ECMO] (39.65)
  hemodialysis (39.95)

39.7 Endovascular procedures on vessel(s)
  Embolization
  Endoluminal repair
  Implantation
  Occlusion
  Removal
  Repair

  Excludes: angioplasty of other non-coronary vessel(s) (39.50)
  atherectomy of other non-coronary vessel(s) (17.56)
  insertion of non-drug-eluting peripheral vessel stent(s) (39.90)
  other repair of aneurysm (39.52)
  percutaneous insertion of carotid artery stent(s) (00.63)
  percutaneous insertion of intracranial stent(s) (00.65)
  percutaneous insertion of other precerebral artery stent(s) (00.64)
  resection of abdominal aorta with replacement (38.44)
  resection of lower limb arteries with replacement (38.48)
  resection of thoracic aorta with replacement (38.45)
  resection of upper limb vessels with replacement (38.43)
  temporary therapeutic partial occlusion of vessel (39.77)

39.71 Endovascular implantation of other graft in abdominal aorta
  Endovascular repair of abdominal aortic aneurysm with graft
  Stent graft(s)

  Code also intra-aneurysm sac pressure monitoring (intraoperative) (00.58)
  Excludes: endovascular implantation of branching or fenestrated graft in aorta (39.78)

39.72 Endovascular (total) embolization or occlusion of head and neck vessels
  Coil-retention stent
  Embolization stent
  Endograft(s)
  Endovascular graft(s)
  Liquid tissue adhesive (glue) embolization or occlusion
  Other implant or substance for repair, embolization or occlusion
  That for repair of aneurysm, arteriovenous malformation[AVM] or fistula

  Excludes: embolization of head or neck vessels using bare coils (39.75)
  embolization of head or neck vessels using bioactive coils (39.76)
  mechanical thrombectomy of pre-cerebral and cerebral vessels (39.74)

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

Code also intra-aneurysm sac pressure monitoring (intraoperative) (00.58)
Excludes: fenestration of dissecting aneurysm of thoracic aorta (39.54)

39.74 Endovascular removal of obstruction from head and neck vessel(s)
Endovascular embolectomy
Endovascular thrombectomy of pre-cerebral and cerebral vessels
Mechanical embolectomy or thrombectomy
Code also: any injection or infusion of thrombolytic agent (99.10)
number of vessels treated (00.40-00.43)
procedure on vessel bifurcation (00.44)
Excludes: endarterectomy of intracranial vessels and other vessels of head and neck (38.11-38.12)
occlusive endovascular embolization of head or neck vessel(s) using bare coils (39.75)
occlusive endovascular embolization of head or neck vessels(s) using bioactive coils (39.76)
open embolectomy or thrombectomy (38.01-38.02)

39.75 Endovascular embolization or occlusion of vessel(s) of head or neck using bare coils
Bare metal coils
Bare platinum coils [BPC]
That for treatment of aneurysm, arteriovenous malformation [AVM] or fistula

39.76 Endovascular embolization or occlusion of vessel(s) of head or neck using bioactive coils
Biodegradable inner luminal polymer coils
Coil embolization or occlusion utilizing bioactive coils
Coils containing polyglycolic acid [PGA]
That for treatment of aneurysm, arteriovenous malformation [AVM] or fistula

39.77 Temporary (partial) therapeutic endovascular occlusion of vessel
Includes that of aorta
That by balloon catheter
Code also any: diagnostic arteriogram (88.40-88.49)
Excludes: any endovascular head or neck vessel procedure (39.72, 39.74-39.76)
diagnostic procedures on blood vessels (38.21-38.29)
permanent endovascular procedure (39.79)

39.78 Endovascular implantation of branching or fenestrated graft(s) in aorta

39.79 Other endovascular procedures on other vessels
Endograft(s)
Endovascular graft(s)
Liquid tissue adhesive (glue) embolization or occlusion
Other coil embolization or occlusion
Other implant or substance for repair, embolization or occlusion
Repair of aneurysm
Excludes: abdominal aortic aneurysm resection [AAA] (38.44)
endovascular implantation of graft in abdominal aorta (39.71)
endovascular implantation of graft in thoracic aorta (39.73)
endovascular embolization or occlusion of head and neck vessels, bare metal coils (39.75)
endovascular embolization or occlusion of head and neck vessels, bioactive coils (39.76)
insertion of drug-eluting peripheral vessel stent(s) (00.55)
insertion of non-drug-eluting peripheral vessel(s) (for other than aneurysm repair) (39.90)
non-endovascular repair of arteriovenous fistula (39.53)
other surgical occlusion of vessels -see category 38.8
percutaneous transcatheter infusion (99.29)
thoracic aortic aneurysm resection (38.45)
transcatheter embolization for gastric or duodenal bleeding (44.44)
uterine artery embolization with coils (68.24)

39.8 Operations on carotid body, carotid sinus and other vascular bodies
Excludes: excision of glomus jugulare (20.51)

39.81 Implantation or replacement of carotid sinus stimulation device, total system
Carotid sinus baroreflex activation device
Implantation of carotid sinus stimulator and lead(s)
Includes: carotid explorations
Excludes: implantation or replacement of carotid sinus stimulation lead(s) only (39.82)
implantation or replacement of carotid sinus stimulation pulse generator only (39.83)

39.82 Implantation or replacement of carotid sinus stimulation lead(s) only
Excludes: implantation or replacement of carotid sinus stimulation device, total system (39.81)

39.83 Implantation or replacement of carotid sinus stimulation pulse generator only
Excludes: implantation or replacement of carotid sinus stimulation device, total system (39.81)

39.84 Revision of carotid sinus stimulation lead(s) only
Repair of electrode [removal with re-insertion]
Repositioning of lead(s) [electrode]

39.85 Revision of carotid sinus stimulation pulse generator
Debridement and reforming pocket (skin and subcutaneous tissue)
Relocation of pocket [creation of new pocket]
Repositioning of pulse generator
Revision of carotid sinus stimulation pulse generator pocket

39.86 Removal of carotid sinus stimulation device, total system

39.87 Removal of carotid sinus stimulation lead(s) only

39.88 Removal of carotid sinus stimulation pulse generator only

39.89 Other operations on carotid body, carotid sinus and other vascular bodies
Chemodectomy
Denervation of:
aortic body
carotid body
Glomectomy, carotid
Excludes: excision of glomus jugulare (20.51)

39.9 Other operations on vessels
39.90 Insertion of non-drug-eluting peripheral (non-coronary) vessel stent(s)
   - Bare stent(s)
   - Bonded stent(s)
   - Drug-coated stent(s), i.e., heparin coated
   - Endograft(s)
   - Endovascular graft(s)
   - Endovascular recanalization techniques
   - Stent graft(s)

Code also any:
   - non-coronary angioplasty or atherectomy (39.50)
   - number of vascular stents inserted (00.45-00.48)
   - number of vessels treated (00.40-00.43)
   - procedure on vessel bifurcation (00.44)

Excludes: insertion of drug-eluting peripheral vessel stent(s) (00.55)
          percutaneous insertion of carotid artery stent(s) (00.63)
          percutaneous insertion of intracranial stent(s) (00.65)
          percutaneous insertion of other precerebral artery stent(s) (00.64)
          that for aneurysm repair (39.71-39.79)

39.91 Freeing of vessel
   Dissection and freeing of adherent tissue:
      - artery-vein-nerve bundle
      - vascular bundle

39.92 Injection of sclerosing agent into vein

Excludes: injection:
   - esophageal varices (42.33)
   - hemorrhoids (49.42)

39.93 Insertion of vessel-to-vessel cannula
   Formation of:
      - arteriovenous:
         - fistula by external cannula
         - shunt by external cannula

Code also any renal dialysis (39.95)

39.94 Replacement of vessel-to-vessel cannula
   Revision of vessel-to-vessel cannula

39.95 Hemodialysis
   - Artificial kidney
   - Hemodiafiltration
   - Hemofiltration
   - Renal dialysis

Excludes: peritoneal dialysis (54.98)

39.96 Total body perfusion

Code also substance perfused (99.21-99.29)

39.97 Other perfusion
   - Perfusion NOS
   - Perfusion, local [regional] of:
      - carotid artery
      - coronary artery
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head
lower limb
neck
upper limb

Code also substance perfused (99.21-99.29)
Excludes: perfusion of:
  - kidney (55.95)
  - large intestine (46.96)
  - liver (50.93)
  - small intestine (46.95)
  - SuperSaturated oxygen therapy (00.49)

39.98 Control of hemorrhage, not otherwise specified
  - Angiotripsy
  - Control of postoperative hemorrhage NOS
  - Venotripsy
Excludes: control of hemorrhage (postoperative):
  - anus (49.95)
  - bladder (57.93)
  - following vascular procedure (39.41)
  - nose (21.00-21.09)
  - prostate (60.94)
  - tonsil (28.7)
  - that by:
    - ligation (38.80-38.89)
    - suture (39.30-39.32)

39.99 Other operations on vessels
Excludes: injection or infusion of therapeutic or prophylactic substance (99.11-99.29)
  - transfusion of blood and blood components (99.01-99.09)

8. OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM (40-41)

40 Operations on lymphatic system

40.0 Incision of lymphatic structures

40.1 Diagnostic procedures on lymphatic structures

  40.11 Biopsy of lymphatic structure
    - Transbronchoscopic needle aspiration [TBNA] of lymph node

40.19 Other diagnostic procedures on lymphatic structures
Excludes: lymphangiogram:
  - abdominal (88.04)
  - cervical (87.08)
  - intrathoracic (87.34)
  - lower limb (88.36)
  - upper limb (88.34)
  - microscopic examination of specimen (90.71-90.79)
  - radioisotope scan (92.16)
  - thermography (88.89)
40.2  Simple excision of lymphatic structure  
Excludes:  biopsy of lymphatic structure (40.11)  
   40.21 Excision of deep cervical lymph node  
   40.22 Excision of internal mammary lymph node  
   40.23 Excision of axillary lymph node  
   40.24 Excision of inguinal lymph node  
   40.29 Simple excision of other lymphatic structure  
       Excision of:  
       cystic hygroma  
       lymphangioma  
       Simple lymphadenectomy  

40.3  Regional lymph node excision  
       Extended regional lymph node excision  
       Regional lymph node excision with excision of lymphatic drainage area including skin,  
       subcutaneous tissue, and fat  

40.4  Radical excision of cervical lymph nodes  
       Resection of cervical lymph nodes down to muscle and deep fascia  
Excludes:  that associated with radical laryngectomy (30.4)  
   40.40 Radical neck dissection, not otherwise specified  
   40.41 Radical neck dissection, unilateral  
   40.42 Radical neck dissection, bilateral  

40.5  Radical excision of other lymph nodes  
Excludes:  that associated with radical mastectomy (85.45-85.48)  
   40.50 Radical excision of lymph nodes, not otherwise specified  
       Radical (lymph) node dissection NOS  
   40.51 Radical excision of axillary lymph nodes  
   40.52 Radical excision of periaortic lymph nodes  
   40.53 Radical excision of iliac lymph nodes  
   40.54 Radical groin dissection  
   40.59 Radical excision of other lymph nodes  
Excludes: radical neck dissection (40.40-40.42)  

40.6  Operations on thoracic duct  
   40.61 Cannulation of thoracic duct  
   40.62 Fistulization of thoracic duct  
   40.63 Closure of fistula of thoracic duct  
   40.64 Ligation of thoracic duct
40.69  Other operations on thoracic duct

40.9  Other operations on lymphatic structures
   Anastomosis of peripheral lymphatics
   Dilation of peripheral lymphatics
   Ligation of peripheral lymphatics
   Obliteration of peripheral lymphatics
   Reconstruction of peripheral lymphatics
   Repair of peripheral lymphatics
   Transplantation of peripheral lymphatics
   Correction of lymphedema of limb, NOS

Excludes: reduction of elephantiasis of scrotum (61.3)

41  Operations on bone marrow and spleen

41.0  Bone marrow or hematopoietic stem cell transplant

Note: To report donor source - see codes 00.91-00.93

Excludes: aspiration of bone marrow from donor (41.91)

41.00  Bone marrow transplant, not otherwise specified

41.01  Autologous bone marrow transplant without purging
   Excludes: that with purging (41.09)

41.02  Allogeneic bone marrow transplant with purging
   Allograft of bone marrow with in vitro removal (purging) of T-cells

41.03  Allogeneic bone marrow transplant without purging
   Allograft of bone marrow NOS

41.04  Autologous hematopoietic stem cell transplant without purging
   Excludes: that with purging (41.07)

41.05  Allogeneic hematopoietic stem cell transplant without purging
   Excludes: that with purging (41.08)

41.06  Cord blood stem cell transplant

41.07  Autologous hematopoietic stem cell transplant with purging
   Cell depletion

41.08  Allogeneic hematopoietic stem cell transplant
   Cell depletion

41.09  Autologous bone marrow transplant with purging
   With extracorporeal purging of malignant cells from marrow
   Cell depletion

41.1  Puncture of spleen

Excludes: aspiration biopsy of spleen (41.32)

41.2  Splenotomy

41.3  Diagnostic procedures on bone marrow and spleen

41.31  Biopsy of bone marrow
41.32  Closed [aspiration] [percutaneous] biopsy of spleen
41.33  Open biopsy of spleen
41.38  Other diagnostic procedures on bone marrow
      Excludes: microscopic examination of specimen from bone marrow (90.61-90.69)
      radioisotope scan (92.05)
41.39  Other diagnostic procedures on spleen
      Excludes: microscopic examination of specimen from spleen (90.61-90.69)
      radioisotope scan (92.05)
41.4  Excision or destruction of lesion or tissue of spleen
      Code also any application or administration of an adhesion barrier substance (99.77)
      Excludes: excision of accessory spleen (41.93)
        41.41  Marsupialization of splenic cyst
        41.42  Excision of lesion or tissue of spleen
               Excludes: biopsy of spleen (41.32-41.33)
        41.43  Partial splenectomy
41.5  Total splenectomy
       Splenectomy NOS
       Code also any application or administration of an adhesion barrier substance (99.77)
41.9  Other operations on spleen and bone marrow
       Code also any application or administration of an adhesion barrier substance (99.77)
        41.91  Aspiration of bone marrow from donor for transplant
               Excludes: biopsy of bone marrow (41.31)
        41.92  Injection into bone marrow
               Excludes: bone marrow transplant (41.00-41.03)
        41.93  Excision of accessory spleen
        41.94  Transplantation of spleen
        41.95  Repair and plastic operations on spleen
        41.98  Other operations on bone marrow
41.99  Other operations on spleen

9.  OPERATIONS ON THE DIGESTIVE SYSTEM (42-54)

42  Operations on esophagus
42.0  Esophagotomy
        42.01  Incision of esophageal web
42.09 Other incision of esophagus
   Esophagotomy NOS
Excludes: esophagomyotomy (42.7)
   esophagostomy (42.10-42.19)

42.1 Esophagostomy

42.10 Esophagostomy, not otherwise specified

42.11 Cervical esophagostomy

42.12 Exteriorization of esophageal pouch

42.19 Other external fistulization of esophagus
   Thoracic esophagostomy

Code also any resection (42.40-42.42)

42.2 Diagnostic procedures on esophagus

42.21 Operative esophagoscopy by incision

42.22 Esophagoscopy through artificial stoma
Excludes: that with biopsy (42.24)

42.23 Other esophagoscopy
Excludes: that with biopsy (42.24)

42.24 Closed [endoscopic] biopsy of esophagus
   Brushing or washing for specimen collection
   Esophagoscopy with biopsy
   Suction biopsy of the esophagus
Excludes: esophagogastroduodenoscopy [EGD] with closed biopsy (45.16)

42.25 Open biopsy of esophagus

42.29 Other diagnostic procedures on esophagus
Excludes: barium swallow (87.61)
   esophageal manometry (89.32)
   microscopic examination of specimen from esophagus (90.81-90.89)

42.3 Local excision or destruction of lesion or tissue of esophagus

42.31 Local excision of esophageal diverticulum

42.32 Local excision of other lesion or tissue of esophagus
Excludes: biopsy of esophagus (42.24-42.25)
   esophageal fistulectomy (42.84)

42.33 Endoscopic excision or destruction of lesion or tissue of esophagus
   Ablation of esophageal neoplasm by endoscopic approach
   Control of esophageal bleeding by endoscopic approach
   Esophageal polypectomy by endoscopic approach
   Esophageal varices by endoscopic approach
   Injection of esophageal varices by endoscopic approach
Excludes: biopsy of esophagus (42.24-42.25)
   fistulectomy (42.84)
open ligation of esophageal varices (42.91)

42.39 Other destruction of lesion or tissue of esophagus
Excludes: that by endoscopic approach (42.33)

42.4 Excision of esophagus
Excludes: esophagogastrectomy NOS (43.99)

42.40 Esophagectomy, not otherwise specified

42.41 Partial esophagectomy

Code also any synchronous:
anastomosis other than end-to-end (42.51-42.69)
esophagostomy (42.10-42.19)
gastrostomy (43.11-43.19)

42.42 Total esophagectomy

Code also any synchronous:
gastrostomy (43.11-43.19)
interposition or anastomosis other than end-to-end (42.51-42.69)

Excludes: esophagogastrectomy (43.99)

42.5 Intrathoracic anastomosis of esophagus

Code also any synchronous:
esophagectomy (42.40-42.42)
gastrostomy (43.1)

42.51 Intrathoracic esophagoesophagostomy

42.52 Intrathoracic esophagogastrostomy

42.53 Intrathoracic esophageal anastomosis with interposition of small bowel

42.54 Other intrathoracic esophagoenterostomy
Anastomosis of esophagus to intestinal segment NOS

42.55 Intrathoracic esophageal anastomosis with interposition of colon

42.56 Other intrathoracic esophagocolostomy
Esophagocolostomy NOS

42.58 Intrathoracic esophageal anastomosis with other interposition
Construction of artificial esophagus
Retrosternal formation of reversed gastric tube

42.59 Other intrathoracic anastomosis of esophagus

42.6 Antesternal anastomosis of esophagus

Code also any synchronous:
esophagectomy (42.40-42.42)
gastrostomy (43.1)

42.61 Antesternal esophagoesophagostomy

42.62 Antesternal esophagogastrostomy
42.63 Antesternal esophageal anastomosis with interposition of small bowel

42.64 Other antesternal esphagoenterostomy
   Antethoracic:
   esphagoenterostomy
   esphagoileostomy
   esphagojejunostomy

42.65 Antesternal esophageal anastomosis with interposition of colon

42.66 Other antesternal esphagocolostomy
   Antethoracic esphagocolostomy

42.68 Other antesternal esophageal anastomosis with interposition

42.69 Other antesternal anastomosis of esophagus

42.7 Esophagomyotomy

42.8 Other repair of esophagus

42.81 Insertion of permanent tube into esophagus

42.82 Suture of laceration of esophagus

42.83 Closure of esophagostomy

42.84 Repair of esophageal fistula, not elsewhere classified
   Excludes: repair of fistula:
   bronchoesophageal (33.42)
   esphagopleurocutaneous (34.73)
   pharyngoesophageal (29.53)
   tracheoesophageal (31.73)

42.85 Repair of esophageal stricture

42.86 Production of subcutaneous tunnel without esophageal anastomosis

42.87 Other graft of esophagus
   Excludes: antesternal esophageal anastomosis with interposition of:
   colon (42.65)
   small bowel (42.63)
   antesternal esophageal anastomosis with other interposition (42.68)
   intrathoracic esophageal anastomosis with interposition of:
   colon (42.55)
   small bowel (42.53)
   intrathoracic esophageal anastomosis with other interposition (42.58)

42.89 Other repair of esophagus

42.9 Other operations on esophagus

42.91 Ligation of esophageal varices
   Excludes: that by endoscopic approach (42.33)

42.92 Dilatation of esophagus
   Dilatation of cardiac sphincter
   Excludes: intubation of esophagus (96.03, 96.06-96.08)
42.99 Other
Excludes: insertion of Sengstaken tube (96.06)
    intubation of esophagus (96.03, 96.06-96.08)
    removal of intraluminal foreign body from esophagus without incision (98.02)
    tamponade of esophagus (96.06)

43 Incision and excision of stomach

Code also any application or administration of an adhesion barrier substance (99.77)

43.0 Gastrotomy
Excludes: gastrostomy (43.11-43.19)
    that for control of hemorrhage (44.49)

43.1 Gastrotomy

43.11 Percutaneous [endoscopic] gastrostomy [PEG]
    Percutaneous transabdominal gastrostomy

43.19 Other gastrostomy
Excludes: percutaneous [endoscopic] gastrostomy [PEG] (43.11)

43.3 Pyloromyotomy

43.4 Local excision or destruction of lesion or tissue of stomach

43.41 Endoscopic excision or destruction of lesion or tissue of stomach
    Gastric polypectomy by endoscopic approach
    Gastric varices by endoscopic approach
Excludes: biopsy of stomach (44.14-44.15)
    control of hemorrhage (44.43)
    open ligation of gastric varices (44.91)

43.42 Local excision of other lesion or tissue of stomach
Excludes: biopsy of stomach (44.14-44.15)
    gastric fistulectomy (44.62-44.63)
    partial gastrectomy (43.5-43.89)

43.49 Other destruction of lesion or tissue of stomach
Excludes: that by endoscopic approach (43.41)

43.5 Partial gastrectomy with anastomosis to esophagus
    Proximal gastrectomy

43.6 Partial gastrectomy with anastomosis to duodenum
    Billroth I operation
    Distal gastrectomy
    Gastropylorectomy

43.7 Partial gastrectomy with anastomosis to jejunum
    Billroth II operation

43.8 Other partial gastrectomy

43.81 Partial gastrectomy with jejunal transposition
    Henley jejunal transposition operation
Code also any synchronous intestinal resection (45.51)

43.82 Laparoscopic vertical (sleeve) gastrectomy
Excludes: laparoscopic banding (44.95)
    laparoscopic gastric restrictive procedure (44.95)

43.89 Open and other partial gastrectomy
    Partial gastrectomy with bypass gastrogastrostomy
    Sleeve resection of stomach
Excludes: laparoscopic sleeve gastrectomy (43.82)

43.9 Total gastrectomy
    43.91 Total gastrectomy with intestinal interposition
    43.99 Other total gastrectomy
        Complete gastroduodenectomy
        Esophagoduodenostomy with complete gastrectomy
        Esophagogastrectomy NOS
        Esophagojejunostomy with complete gastrectomy
        Radical gastrectomy

44 Other operations on stomach
Code also any application or administration of an adhesion barrier substance (99.77)

44.0 Vagotomy
    44.00 Vagotomy, not otherwise specified
        Division of vagus nerve NOS
    44.01 Truncal vagotomy
    44.02 Highly selective vagotomy
        Parietal cell vagotomy
        Selective proximal vagotomy
    44.03 Other selective vagotomy

44.1 Diagnostic procedures on stomach
    44.11 Transabdominal gastroscopy
        Intraoperative gastroscopy
        Excludes: that with biopsy (44.14)
    44.12 Gastroscopy through artificial stoma
        Excludes: that with biopsy (44.14)
    44.13 Other gastroscopy
        Excludes: that with biopsy (44.14)
    44.14 Closed [endoscopic] biopsy of stomach
        Brushing or washing for specimen collection
        Excludes: esophagogastroduodenoscopy [EGD] with closed biopsy (45.16)
    44.15 Open biopsy of stomach
    44.19 Other diagnostic procedures on stomach
Excludes: gastric lavage (96.33)  
microscopic examination of specimen from stomach (90.81-90.89)  
upper GI series (87.62)

44.2 Pyloroplasty
44.21 Dilation of pylorus by incision
44.22 Endoscopic dilation of pylorus  
   Dilation with balloon endoscope  
   Endoscopic dilation of gastrojejunostomy site
44.29 Other pyloroplasty  
   Pyloroplasty NOS  
   Revision of pylorus

44.3 Gastroenterostomy without gastrectomy
44.31 High gastric bypass  
   Printen and Mason gastric bypass
44.32 Percutaneous [endoscopic] gastrojejunostomy  
   Bypass:  
   gastroduodenostomy  
   PEGJJ
Excludes: percutaneous (endoscopic) feeding jejunostomy (46.32)

44.38 Laparoscopic gastroenterostomy  
   Bypass:  
   gastroenterostomy  
   gastrogastrostomy  
   Laparoscopic gastrojejunostomy without gastrectomy NEC
Excludes: gastroenterostomy, open approach (44.39)

44.39 Other gastroenterostomy  
   Bypass:  
   gastroduodenostomy  
   gastroenterostomy  
   gastrogastrostomy  
   Gastrojejunostomy without gastrectomy NOS

44.4 Control of hemorrhage and suture of ulcer of stomach or duodenum
44.40 Suture of peptic ulcer, not otherwise specified
44.41 Suture of gastric ulcer site  
   Excludes: ligation of gastric varices  
   (44.91)
44.42 Suture of duodenal ulcer site
44.43 Endoscopic control of gastric or duodenal bleeding
44.44 Transcatheter embolization for gastric or duodenal bleeding  
   Excludes: surgical occlusion of abdominal vessels (38.86-38.87)

44.49 Other control of hemorrhage of stomach or duodenum  
   That with gastrotomy
44.5 Revision of gastric anastomosis
   Closure of:
   - gastric anastomosis
   - gastroduodenostomy
   - gastrojejunostomy
   - Pantaloon operation

44.6 Other repair of stomach

44.61 Suture of laceration of stomach
   Excludes: that of ulcer site (44.41)

44.62 Closure of gastrostomy

44.63 Closure of other gastric fistula
   Closure of:
   - gastrocolic fistula
   - gastrojejunal fistula

44.64 Gastropexy

44.65 Esophagogastroplasty
   - Belsey operation
   - Esophagus and stomach cardioplasty

44.66 Other procedures for creation of esophagogastric sphincteric competence
   - Fundoplication
   - Gastric cardioplasty
   - Nissen's fundoplication
   - Restoration of cardio-esophageal angle
   Excludes: that by laparoscopy (44.67)

44.67 Laparoscopic procedures for creation of esophagogastric sphincteric competence
   - Fundoplication
   - Gastric cardioplasty
   - Nissen's fundoplication
   - Restoration of cardio-esophageal angle

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)

44.69 Other
   - Inversion of gastric diverticulum
   - Repair of stomach NOS

44.9 Other operations on stomach

44.91 Ligation of gastric varices
   Excludes: that by endoscopic approach (43.41)

44.92 Intraoperative manipulation of stomach
Reduction of gastric volvulus

44.93 Insertion of gastric bubble (balloon)
44.94 Removal of gastric bubble (balloon)
44.95 Laparoscopic gastric restrictive procedure
   Adjustable gastric band and port insertion
   Excludes: laparoscopic gastroplasty (44.68)
   other repair of stomach (44.69)
44.96 Laparoscopic revision of gastric restrictive procedure
   Revision or replacement of:
   adjustable gastric band
   subcutaneous gastric port device
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)
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)

44.99 Other
   Excludes: change of gastrostomy tube (97.02)
   dilation of cardiac sphincter (42.92)
   gastric:
   cooling (96.31)
   freezing (96.32)
   gavage (96.35)
   hypothermia (96.31)
   lavage (96.33)
   insertion of nasogastric tube (96.07)
   irrigation of gastrostomy (96.36)
   irrigation of nasogastric tube (96.34)
   removal of:
   gastrostomy tube (97.51)
   intraluminal foreign body from stomach without incision (98.03)
   replacement of:
   gastrostomy tube (97.02)
   (naso-)gastric tube (97.01)

45 Incision, excision, and anastomosis of intestine

Code also any application or administration of an adhesion barrier substance (99.77)

45.0 Enterotomy
   Excludes: duodenocholedochotomy (51.41-51.42, 51.51)
that for destruction of lesion (45.30-45.34)
that of exteriorized intestine (46.14, 46.24, 46.31)

45.00 Incision of intestine, not otherwise specified
45.01 Incision of duodenum
45.02 Other incision of small intestine
45.03 Incision of large intestine
Excludes: proctotomy (48.0)

45.1 Diagnostic procedures on small intestine
Code also any laparotomy (54.11-54.19)

45.11 Transabdominal endoscopy of small intestine
   Intraoperative endoscopy of small intestine
Excludes: that with biopsy (45.14)

45.12 Endoscopy of small intestine through artificial stoma
Excludes: that with biopsy (45.14)

45.13 Other endoscopy of small intestine
   Esophagogastroduodenoscopy [EGD]
Excludes: that with biopsy (45.14, 45.16)

45.14 Closed [endoscopic] biopsy of small intestine
   Brushing or washing for specimen collection
Excludes: esophagogastroduodenoscopy [EGD] with closed biopsy (45.16)

45.15 Open biopsy of small intestine

45.16 Esophagogastroduodenoscopy [EGD] with closed biopsy
   Biopsy of one or more sites involving esophagus, stomach, and/or duodenum

45.19 Other diagnostic procedures on small intestine
Excludes: microscopic examination of specimen from small intestine (90.91-90.99)
   radioisotope scan (92.04)
   ultrasonography (88.74)
   x-ray (87.61-87.69)

45.2 Diagnostic procedures on large intestine
Code also any laparotomy (54.11-54.19)

45.21 Transabdominal endoscopy of large intestine
   Intraoperative endoscopy of large intestine
Excludes: that with biopsy (45.25)

45.22 Endoscopy of large intestine through artificial stoma
Excludes: that with biopsy (45.25)

45.23 Colonoscopy
   Flexible fiberoptic colonoscopy
Excludes: endoscopy of large intestine through artificial stoma (45.22)
   flexible sigmoidoscopy (45.24)
rigid proctosigmoidoscopy (48.23)
transabdominal endoscopy of large intestine (45.21)

45.24 Flexible sigmoidoscopy
   Endoscopy of descending colon
Excludes: rigid proctosigmoidoscopy (48.23)

45.25 Closed [endoscopic] biopsy of large intestine
   Biopsy, closed, of unspecified intestinal site
   Brushing or washing for specimen collection
   Colonoscopy with biopsy
Excludes: proctosigmoidoscopy with biopsy (48.24)

45.26 Open biopsy of large intestine

45.27 Intestinal biopsy, site unspecified

45.28 Other diagnostic procedures on large intestine

45.29 Other diagnostic procedures on intestine, site unspecified
Excludes: microscopic examination of specimen (90.91-90.99)
   scan and radioisotope function study (92.04)
   ultrasonography (88.74)
   x-ray (87.61-87.69)

45.3 Local excision or destruction of lesion or tissue of small intestine

45.30 Endoscopic excision or destruction of lesion of duodenum
Excludes: biopsy of duodenum (45.14-45.15)
   control of hemorrhage (44.43)
   fistulectomy (46.72)

45.31 Other local excision of lesion of duodenum
Excludes: biopsy of duodenum (45.14-45.15)
   fistulectomy (46.72)
   multiple segmental resection (45.61)
   that by endoscopic approach (45.30)

45.32 Other destruction of lesion of duodenum
Excludes: that by endoscopic approach (45.30)

45.33 Local excision of lesion or tissue of small intestine, except duodenum
   Excision of redundant mucosa of ileostomy
Excludes: biopsy of small intestine (45.14-45.15)
   fistulectomy (46.74)
   multiple segmental resection (45.61)

45.34 Other destruction of lesion of small intestine, except duodenum

45.4 Local excision or destruction of lesion or tissue of large intestine

45.41 Excision of lesion or tissue of large intestine
   Excision of redundant mucosa of colostomy
Excludes: biopsy of large intestine (45.25-45.27)
   endoscopic polypectomy of large intestine (45.42)
   fistulectomy (46.76)
multiple segmental resection (17.31, 45.71)
that by endoscopic approach (45.42-45.43)

45.42 Endoscopic polypectomy of large intestine
Excludes: that by open approach (45.41)

45.43 Endoscopic destruction of other lesion or tissue of large intestine
   Endoscopic ablation of tumor of large intestine
   Endoscopic control of colonic bleeding
Excludes: endoscopic polypectomy of large intestine (45.42)

45.49 Other destruction of lesion of large intestine
Excludes: that by endoscopic approach (45.43)

45.5 Isolation of intestinal segment
Code also any synchronous:
anastomosis other than end-to-end (45.90-45.94)
enterostomy (46.10-46.39)

45.50 Isolation of intestinal segment, not otherwise specified
   Isolation of intestinal pedicle flap
   Reversal of intestinal segment

45.51 Isolation of segment of small intestine
   Isolation of ileal loop
   Resection of small intestine for interposition

45.52 Isolation of segment of large intestine
   Resection of colon for interposition

45.6 Other excision of small intestine
Code also any synchronous:
anastomosis other than end-to-end (45.90-45.93, 45.95)
colostomy (46.10-46.13)
enterostomy (46.10-46.39)
Excludes: cecectomy (17.32, 45.72)
enteroceleectomy (17.39, 45.79)
gastroduodenectomy (43.6-43.99)
iloceleectomy (17.33, 45.73)
pancreateoduodenectomy (52.51-52.7)

45.61 Multiple segmental resection of small intestine
   Segmental resection for multiple traumatic lesions of small intestine

45.62 Other partial resection of small intestine
   Duodenectomy
   Jejunectomy
Excludes: duodenectomy with synchronous pancreatectomy (52.51-52.7)
   resection of cecum and terminal ileum (17.32, 45.72)

45.63 Total removal of small intestine

45.7 Open and other partial excision of large intestine
Code also any synchronous:
anastomosis other than end-to-end (45.92-45.94)
enterostomy (46.10-46.39)
Excludes: laparoscopic partial excision of large intestine (17.31-17.39)

45.71 Open and other multiple segmental resection of large intestine
Segmental resection for multiple traumatic lesions of large intestine

45.72 Open and other cecectomy
Resection of cecum and terminal ileum

45.73 Open and other right hemicolecotomy
Ileocollectomy
Right radical colectomy

45.74 Open and other resection of transverse colon

45.75 Open and other left hemicolecotomy
Excludes: proctosigmoidectomy (48.41-48.69)
second stage Mikulicz operation (46.04)

45.76 Open and other sigmoidectomy

45.79 Other and unspecified partial excision of large intestine
Enterocolecotomy NEC

45.8 Total intra-abdominal colectomy
Excision of cecum, colon, and sigmoid
Excludes: coloproctectomy (48.41-48.69)

45.81 Laparoscopic total intra-abdominal colectomy

45.82 Open total intra-abdominal colectomy

45.83 Other and unspecified total intra-abdominal colectomy

45.9 Intestinal anastomosis
Code also any synchronous resection (45.31-45.8, 48.41-48.69)
Excludes: end-to-end anastomosis -- omit code

45.90 Intestinal anastomosis, not otherwise specified

45.91 Small-to-small intestinal anastomosis

45.92 Anastomosis of small intestine to rectal stump
Hampton procedure

45.93 Other small-to-large intestinal anastomosis

45.94 Large-to-large intestinal anastomosis
Excludes: rectorectostomy (48.74)

45.95 Anastomosis to anus
Formation of endorectal ileal pouch (H-pouch) (J-pouch) (S-pouch) with anastomosis of small intestine to anus

46 Other operations on intestine

Code also any application or administration of an adhesion barrier substance (99.77)
46.0 Exteriorization of intestine
Includes: loop enterostomy
multiple stage resection of intestine

46.01 Exteriorization of small intestine
Loop ileostomy

46.02 Resection of exteriorized segment of small intestine

46.03 Exteriorization of large intestine
Exteriorization of intestine NOS
First stage Mikulicz exteriorization of intestine
Loop colostomy

46.04 Resection of exteriorized segment of large intestine
Resection of exteriorized segment of intestine NOS
Second stage Mikulicz operation

46.1 Colostomy
Code also any synchronous resection (45.49, 45.71-45.79, 45.8)
Excludes: loop colostomy (46.03)
that with abdominoperineal resection of rectum (48.5)
that with synchronous anterior rectal resection (48.62)

46.10 Colostomy, not otherwise specified
46.11 Temporary colostomy
46.13 Permanent colostomy
46.14 Delayed opening of colostomy

46.2 Ileostomy
Code also any synchronous resection (45.34, 45.61-45.63)
Excludes: loop ileostomy (46.01)

46.20 Ileostomy, not otherwise specified
46.21 Temporary ileostomy
46.22 Continent ileostomy
46.23 Other permanent ileostomy
46.24 Delayed opening of ileostomy

46.3 Other enterostomy
Code also any synchronous resection (45.61-45.8)

46.31 Delayed opening of other enterostomy
46.32 Percutaneous (endoscopic) jejunostomy [PEJ]
Endoscopic conversion of gastrostomy to jejunostomy
Percutaneous (endoscopic) feeding enterostomy
Excludes: percutaneous [endoscopic] gastrojejunostomy (bypass) (44.32)
46.39 Other
Duodenostomy
Feeding enterostomy

46.4 Revision of intestinal stoma
   46.40 Revision of intestinal stoma, not otherwise specified
          Plastic enlargement of intestinal stoma
          Reconstruction of stoma of intestine
          Release of scar tissue of intestinal stoma
       Excludes: excision of redundant mucosa (45.41)
   46.41 Revision of stoma of small intestine
       Excludes: excision of redundant mucosa (45.33)
   46.42 Repair of pericolostomy hernia
   46.43 Other revision of stoma of large intestine
       Excludes: excision of redundant mucosa (45.41)

46.5 Closure of intestinal stoma
Code also any synchronous resection (45.34, 45.49, 45.61-45.8)
   46.50 Closure of intestinal stoma, not otherwise specified
   46.51 Closure of stoma of small intestine
   46.52 Closure of stoma of large intestine
       Closure or take-down of:
          cecostomy
          colostomy
          sigmoidostomy

46.6 Fixation of intestine
   46.60 Fixation of intestine, not otherwise specified
       Fixation of intestine to abdominal wall
   46.61 Fixation of small intestine to abdominal wall
       Ileopexy
   46.62 Other fixation of small intestine
       Noble plication of small intestine
       Plication of jejunum
   46.63 Fixation of large intestine to abdominal wall
       Cecocoloplicopexy
       Sigmoidopexy (Moschowitz)
   46.64 Other fixation of large intestine
       Cecofixation
       Colofixation

46.7 Other repair of intestine
   Excludes: closure of:
       ulcer of duodenum (44.42)
       vesicoenteric fistula (57.83)
   46.71 Suture of laceration of duodenum
46.72  Closure of fistula of duodenum
46.73  Suture of laceration of small intestine, except duodenum
46.74  Closure of fistula of small intestine, except duodenum
  Excludes: closure of:
    artificial stoma (46.51)
    vaginal fistula (70.74)
    repair of gastrojejunocolic fistula (44.63)
46.75  Suture of laceration of large intestine
46.76  Closure of fistula of large intestine
  Excludes: closure of:
    gastrocolic fistula (44.63)
    rectal fistula (48.73)
    sigmoidovesical fistula (57.83)
    stoma (46.52)
    vaginal fistula (70.72-70.73)
    vesicolonic fistula (57.83)
    vesicosigmoidovaginal fistula (57.83)
46.79  Other repair of intestine
  Duodenoplasty
46.8  Dilation and manipulation of intestine
46.80  Intra-abdominal manipulation of intestine, not otherwise specified
  Correction of intestinal malrotation
  Reduction of:
    intestinal torsion
    intestinal volvulus
    intussusception
  Excludes: reduction of intussusception with:
    fluoroscopy (96.29)
    ionizing radiation enema (96.29)
    ultrasonography guidance (96.29)
46.81  Intra-abdominal manipulation of small intestine
46.82  Intra-abdominal manipulation of large intestine
46.85  Dilation of intestine
  Dilation (balloon) of duodenum
  Dilation (balloon) of jejunum
  Endoscopic dilation (balloon) of large intestine
  That through rectum or colostomy
  Excludes: with insertion of colonic stent (46.86-46.87)
46.86  Endoscopic insertion of colonic stent(s)
  Colonoscopy (flexible) (through stoma) with transendoscopic stent placement
  Combined with fluoroscopic-guided insertion
  Stent endoprosthesis of colon
  Through the scope [TTS] technique
  Excludes: other non-endoscopic insertion of colonic stent (46.87)
46.87  Other insertion of colonic stent(s)
Includes: that by:
fluoroscopic guidance only
rectal guiding tube
Non-endoscopic insertion

Code also any synchronous diagnostic procedure(s)
Excludes: endoscopic insertion of colonic stent (46.86)

46.9 Other operations on intestines

46.91 Myotomy of sigmoid colon
46.92 Myotomy of other parts of colon
46.93 Revision of anastomosis of small intestine
46.94 Revision of anastomosis of large intestine
46.95 Local perfusion of small intestine
Code also substance perfused (99.21-99.29)
46.96 Local perfusion of large intestine
Code also substance perfused (99.21-99.29)
46.97 Transplant of intestine

Note: To report donor source - see codes 00.91-00.93

46.99 Other
Ileoentrectopy

Excludes: diagnostic procedures on intestine (45.11-45.29)
dilation of enterostomy stoma (96.24)
intestinal intubation (96.08)
removal of:
intraluminal foreign body from large intestine without incision (98.04)
intraluminal foreign body from small intestine without incision (98.03)
tube from large intestine (97.53)
tube from small intestine (97.52)
replacement of:
large intestine tube or enterostomy device (97.04)
small intestine tube or enterostomy device (97.03)

47 Operations on appendix

Includes: appendiceal stump
Code also any application or administration of an adhesion barrier substance (99.77)

47.0 Appendectomy

Excludes: incidental appendectomy, so described
laparoscopic (47.11)
other (47.19)

47.01 Laparoscopic appendectomy
47.09 Other appendectomy

47.1 Incidental appendectomy
47.11 Laparoscopic incidental appendectomy
47.19 Other incidental appendectomy

47.2 Drainage of appendiceal abscess
Excludes: that with appendectomy (47.0)

47.9 Other operations on appendix
  47.91 Appendicostomy
  47.92 Closure of appendiceal fistula
  47.99 Other
    Anastomosis of appendix
    Excludes: diagnostic procedures on appendix (45.21-45.29)

48 Operations on rectum, rectosigmoid and perirectal tissue
Code also any application or administration of an adhesion barrier substance (99.77)

48.0 Proctotomy
  Decompression of imperforate anus
  Panas' operation [linear proctotomy]
Excludes: incision of perirectal tissue (48.81)

48.1 Proctostomy

48.2 Diagnostic procedures on rectum, rectosigmoid and perirectal tissue
  48.21 Transabdominal proctosigmoidoscopy
    Intraoperative proctosigmoidoscopy
    Excludes: that with biopsy (48.24)
  48.22 Proctosigmoidoscopy through artificial stoma
    Excludes: that with biopsy (48.24)
  48.23 Rigid proctosigmoidoscopy
    Excludes: flexible sigmoidoscopy (45.24)
  48.24 Closed [endoscopic] biopsy of rectum
    Brushing or washing for specimen collection
    Proctosigmoidoscopy with biopsy
  48.25 Open biopsy of rectum
  48.26 Biopsy of perirectal tissue
  48.29 Other diagnostic procedures on rectum, rectosigmoid and perirectal tissue
    Excludes: digital examination of rectum (89.34)
    lower GI series (87.64)
    microscopic examination of specimen from rectum (90.91-90.99)

48.3 Local excision or destruction of lesion or tissue of rectum
  48.31 Radical electrocoagulation of rectal lesion or tissue
  48.32 Other electrocoagulation of rectal lesion or tissue
48.33 Destruction of rectal lesion or tissue by laser
48.34 Destruction of rectal lesion or tissue by cryosurgery
48.35 Local excision of rectal lesion or tissue
Excludes: biopsy of rectum (48.24-48.25)
excision of perirectal tissue (48.82)
hemorrhoidectomy (49.46)
[endoscopic] polypectomy of rectum (48.36)
rectal fistulectomy (48.73)
48.36 [Endoscopic] polypectomy of rectum

48.4 Pull-through resection of rectum
Code also any synchronous anastomosis other than end-to-end (45.90, 45.92-45.95)

48.40 Pull-through resection of rectum, not otherwise specified
Pull-through resection NOS
Excludes: abdominoperineal pull-through NOS (48.50)

48.41 Soave submucosal resection of rectum
Endorectal pull-through operation

48.42 Laparoscopic pull-through resection of rectum

48.43 Open pull-through resection of rectum

48.49 Other pull-through resection of rectum
Abdominoperineal pull-through
Altemeier operation
Swenson proctectomy
Excludes: Duhamel abdominoperineal pull through (48.65)
laparoscopic pull-through resection of rectum (48.42)
open pull-through resection of rectum (48.43)
pull-through resection of rectum, not otherwise specified (48.40)

48.5 Abdominoperineal resection of rectum
Includes: with synchronous colostomy
Combined abdominoendorectal resection
Complete proctectomy
Code also any synchronous anastomosis other than end-to-end (45.90, 45.92-45.95)
Excludes: Duhamel abdominoperineal pull-through (48.65)
that as part of pelvic exenteration (68.8)

48.50 Abdominoperineal resection of the rectum, not otherwise specified

48.51 Laparoscopic abdominoperineal resection of the rectum

48.52 Open abdominoperineal resection of the rectum

48.59 Other abdominoperineal resection of the rectum
Excludes: abdominoperineal resection of the rectum, NOS (48.50)
laparoscopic abdominoperineal resection of the rectum (48.51)
open abdominoperineal resection of the rectum (48.52)

48.6 Other resection of rectum
Code also any synchronous anastomosis other than end-to-end (45.90, 45.92-45.95)

48.61 Transsacral rectosigmoidectomy

48.62 Anterior resection of rectum with synchronous colostomy

48.63 Other anterior resection of rectum
Excludes: that with synchronous colostomy (48.62)

48.64 Posterior resection of rectum

48.65 Duhamel resection of rectum
Duhamel abdominoperineal pull-through

48.69 Other
Partial proctectomy
Rectal resection NOS

48.7 Repair of rectum
Excludes: repair of:
current obstetric laceration (75.62)
vaginal rectocele (70.50, 70.52, 70.53, 70.55)

48.71 Suture of laceration of rectum

48.72 Closure of proctostomy

48.73 Closure of other rectal fistula
Excludes: fistulectomy:
perirectal (48.93)
rectourethral (58.43)
rectovaginal (70.73)
rectovesical (57.83)
rectovesicovaginal (57.83)

48.74 Rectorectostomy
Rectal anastomosis NOS
Stapled transanal rectal resection (STARR)

48.75 Abdominal proctopexy
Frickman procedure
Ripstein repair of rectal prolapse

48.76 Other proctopexy
Delorme repair of prolapsed rectum
Proctosigmoidopexy
Puborectalis sling operation
Excludes: manual reduction of rectal prolapse (96.26)

48.79 Other repair of rectum
Repair of old obstetric laceration of rectum
Excludes: anastomosis to:
large intestine (45.94)
small intestine (45.92-45.93)
repair of:
current obstetric laceration (75.62)
vaginal rectocele (70.50, 70.52)
48.8 Incision or excision of perirectal tissue or lesion
Includes: pelvirectal tissue
rectovaginal septum

48.81 Incision of perirectal tissue
Incision of rectovaginal septum

48.82 Excision of perirectal tissue
Excludes: perirectal biopsy (48.26)
perirectofistulectomy (48.93)
rectal fistulectomy (48.73)

48.9 Other operations on rectum and perirectal tissue

48.91 Incision of rectal stricture

48.92 Anorectal myectomy

48.93 Repair of perirectal fistula
Excludes: that opening into rectum (48.73)

48.99 Other
Excludes: digital examination of rectum (89.34)
dilation of rectum (96.22)
insertion of rectal tube (96.09)
irrigation of rectum (96.38-96.39)
manual reduction of rectal prolapse (96.26)
proctoclysis (96.37)
rectal massage (99.93)
rectal packing (96.19)
removal of:
impacted feces (96.38)
intraluminal foreign body from rectum without incision (98.05)
rectal packing (97.59)
transanal enema (96.39)

49 Operations on anus

Code also any application or administration of an adhesion barrier substance (99.77)

49.0 Incision or excision of perianal tissue

49.01 Incision of perianal abscess

49.02 Other incision of perianal tissue
Undercutting of perianal tissue
Excludes: anal fistulotomy (49.11)

49.03 Excision of perianal skin tags

49.04 Other excision of perianal tissue
Excludes: anal fistulectomy (49.12)
biopsy of perianal tissue (49.22)

49.1 Incision or excision of anal fistula
Excludes: closure of anal fistula (49.73)
49.11 Anal fistulotomy
49.12 Anal fistulectomy

49.2 Diagnostic procedures on anus and perianal tissue
49.21 Anoscopy
49.22 Biopsy of perianal tissue
49.23 Biopsy of anus
49.29 Other diagnostic procedures on anus and perianal tissue
Excludes: microscopic examination of specimen from anus (90.91-90.99)

49.3 Local excision or destruction of other lesion or tissue of anus
49.31 Endoscopic excision or destruction of lesion or tissue of anus
49.39 Other local excision or destruction of lesion or tissue of anus
Excludes: that by endoscopic approach (49.31)

49.4 Procedures on hemorrhoids
49.41 Reduction of hemorrhoids
49.42 Injection of hemorrhoids
49.43 Cauterization of hemorrhoids
Clamp and cautery of hemorrhoids
49.44 Destruction of hemorrhoids by cryotherapy
49.45 Ligation of hemorrhoids
49.46 Excision of hemorrhoids
Hemorrhoidectomy NOS
49.47 Evacuation of thrombosed hemorrhoids
49.49 Other procedures on hemorrhoids
Lord procedure

49.5 Division of anal sphincter
49.51 Left lateral anal sphincterotomy
49.52 Posterior anal sphincterotomy
49.59 Other anal sphincterotomy
Division of sphincter NOS

49.6 Excision of anus

49.7 Repair of anus
Excludes: repair of current obstetric laceration (75.62)

49.71 Suture of laceration of anus
49.72 Anal cerclage
49.73 Closure of anal fistula
Excludes: excision of anal fistula (49.12)
49.74 Gracilis muscle transplant for anal incontinence
49.75 Implantation or revision of artificial anal sphincter
Removal with subsequent replacement
Replacement during same or subsequent operative episode
49.76 Removal of artificial anal sphincter
Explantation or removal without replacement
Excludes: revision with implantation during same operative episode (49.75)
49.79 Other repair of anal sphincter
Repair of old obstetric laceration of anus
Excludes: anoplasty with synchronous hemorrhoidectomy (49.46)
repair of current obstetric laceration (75.62)

49.9 Other operations on anus
Excludes: dilation of anus (sphincter) (96.23)

49.91 Incision of anal septum
49.92 Insertion of subcutaneous electrical anal stimulator
49.93 Other incision of anus
Removal of:
foreign body from anus with incision
seton from anus
Excludes: anal fistulotomy (49.11)
removal of intraluminal foreign body without incision (98.05)
49.94 Reduction of anal prolapse
Excludes: manual reduction of rectal prolapse (96.26)
49.95 Control of (postoperative) hemorrhage of anus
49.99 Other

50 Operations on liver

Code also any application or administration of an adhesion barrier substance (99.77)

50.0 Hepatotomy
Incision of abscess of liver
Removal of gallstones from liver
Stromeyer-Little operation

50.1 Diagnostic procedures on liver

50.11 Closed (percutaneous) [needle] biopsy of liver
Diagnostic aspiration of liver
50.12 Open biopsy of liver
   Wedge biopsy

50.13 Transjugular liver biopsy
   Transvenous liver biopsy
Excludes: closed (percutaneous) [needle] biopsy of liver (50.11)
   laparoscopic liver biopsy (50.14)

50.14 Laparoscopic liver biopsy
Excludes: closed (percutaneous) [needle] biopsy of liver (50.11)
   open biopsy of liver (50.12)
   transjugular liver biopsy (50.13)

50.19 Other diagnostic procedures on liver
Excludes: laparoscopic liver biopsy (50.14)
   liver scan and radioisotope function study (92.02)
   microscopic examination of specimen from liver (91.01-91.09)
   transjugular liver biopsy (50.13)

50.2 Local excision or destruction of liver tissue or lesion
50.21 Marsupialization of lesion of liver
50.22 Partial hepatectomy
   Wedge resection of liver
Excludes: biopsy of liver (50.11-50.12)
   hepatic lobectomy (50.3)
50.23 Open ablation of liver lesion or tissue
50.24 Percutaneous ablation of liver lesion or tissue
50.25 Laparoscopic ablation of liver lesion or tissue
50.26 Other and unspecified ablation of liver lesion or tissue
50.29 Other destruction of lesion of liver
   Cauterization of hepatic lesion
   Enucleation of hepatic lesion
   Evacuation of hepatic lesion
Excludes: ablation of liver lesion or tissue
   laparoscopic (50.25)
   open (50.23)
   other (50.26)
   percutaneous (50.24)
   percutaneous aspiration of lesion (50.91)
   laser interstitial thermal therapy [LITT] of lesion or tissue of liver under guidance (17.63)

50.3 Lobectomy of liver
   Total hepatic lobectomy with partial excision of other lobe

50.4 Total hepatectomy

50.5 Liver transplant
Note: To report donor source - see codes 00.91-00.93
50.51 Auxiliary liver transplant
Auxiliary hepatic transplantation leaving patient's own liver in situ

50.59 Other transplant of liver

50.6 Repair of liver
50.61 Closure of laceration of liver
50.69 Other repair of liver
   Hepatopexy

50.9 Other operations on liver
Excludes: lysis of adhesions (54.5)

50.91 Percutaneous aspiration of liver
Excludes: percutaneous biopsy (50.11)

50.92 Extracorporeal hepatic assistance
   Liver dialysis

50.93 Localized perfusion of liver
50.94 Other injection of therapeutic substance into liver
50.99 Other

51 Operations on gallbladder and biliary tract
Includes: operations on:
   ampulla of Vater
   common bile duct
   cystic duct
   hepatic duct
   intrahepatic bile duct
   sphincter of Oddi

Code also any application or administration of an adhesion barrier substance (99.77)

51.0 Cholecystotomy and cholecystostomy

51.01 Percutaneous aspiration of gallbladder
   Percutaneous cholecystostomy for drainage
   That by: needle or catheter
Excludes: needle biopsy (51.12)

51.02 Trocar cholecystostomy
51.03 Other cholecystostomy
51.04 Other cholecystotomy
   Cholelithotomy NOS

51.1 Diagnostic procedures on biliary tract
Excludes: that for endoscopic procedures classifiable to 51.64, 51.84-51.88, 52.14, 52.21, 52.93-52.94, 52.97-52.98

51.10 Endoscopic retrograde cholangiopancreatography [ERCP]
Excludes: endoscopic retrograde:
   cholangiography [ERC] (51.11)
pancreatography [ERP] (52.13)

51.11 Endoscopic retrograde cholangiography [ERC]
Laparoscopic exploration of common bile duct
Excludes: endoscopic retrograde:
cholangiopancreatography [ERCP] (51.10)
pancreatography [ERP] (52.13)

51.12 Percutaneous biopsy of gallbladder or bile ducts
Needle biopsy of gallbladder

51.13 Open biopsy of gallbladder or bile ducts

51.14 Other closed [endoscopic] biopsy of biliary duct or sphincter of Oddi
Brushing or washing for specimen collection
Closed biopsy of biliary duct or sphincter of Oddi by procedures classifiable to
51.10-51.11, 52.13

51.15 Pressure measurement of sphincter of Oddi
Pressure measurement of sphincter by procedures classifiable to 51.10-51.11, 52.13

51.19 Other diagnostic procedures on biliary tract
Excludes: biliary tract x-ray (87.51-87.59)
microscopic examination of specimen from biliary tract (91.01-91.09)

51.2 Cholecystectomy

51.21 Other partial cholecystectomy
Revision of prior cholecystectomy
Excludes: that by laparoscope (51.24)

51.22 Cholecystectomy
Excludes: laparoscopic cholecystectomy (51.23)

51.23 Laparoscopic cholecystectomy
That by laser

51.24 Laparoscopic partial cholecystectomy

51.3 Anastomosis of gallbladder or bile duct
Excludes: resection with end-to-end anastomosis (51.61-51.69)

51.31 Anastomosis of gallbladder to hepatic ducts

51.32 Anastomosis of gallbladder to intestine

51.33 Anastomosis of gallbladder to pancreas

51.34 Anastomosis of gallbladder to stomach

51.35 Other gallbladder anastomosis
Gallbladder anastomosis NOS

51.36 Choledochoenterostomy

51.37 Anastomosis of hepatic duct to gastrointestinal tract
Kasai portoenterostomy
51.39 Other bile duct anastomosis
   Anastomosis of bile duct NOS
   Anastomosis of unspecified bile duct to:
   intestine
   liver
   pancreas
   stomach

51.4 Incision of bile duct for relief of obstruction
   51.41 Common duct exploration for removal of calculus
       Excludes: percutaneous extraction (51.96)
   51.42 Common duct exploration for relief of other obstruction
   51.43 Insertion of choledochohepatic tube for decompression
       Hepatocholedochostomy
   51.49 Incision of other bile ducts for relief of obstruction

51.5 Other incision of bile duct
   Excludes: that for relief of obstruction (51.41-51.49)
   51.51 Exploration of common duct
       Incision of common bile duct
   51.59 Incision of other bile duct

51.6 Local excision or destruction of lesion or tissue of biliary ducts and sphincter of Oddi
   Code also anastomosis other than end-to-end (51.31, 51.36-51.39)
   Excludes: biopsy of bile duct (51.12-51.13)
   51.61 Excision of cystic duct remnant
   51.62 Excision of ampulla of Vater (with reimplantation of common duct)
   51.63 Other excision of common duct
       Choledochectomy
       Excludes: fistulectomy (51.72)
   51.64 Endoscopic excision or destruction of lesion of biliary ducts or sphincter of Oddi
       Excision or destruction of lesion of biliary duct by procedures classifiable to
       51.10-51.11, 52.13
   51.69 Excision of other bile duct
       Excision of lesion of bile duct NOS
       Excludes: fistulectomy (51.79)

51.7 Repair of bile ducts
   51.71 Simple suture of common bile duct
   51.72 Choledochoplasty
       Repair of fistula of common bile duct
   51.79 Repair of other bile ducts
       Closure of artificial opening of bile duct
       NOS
Suture of bile duct NOS
Excludes: operative removal of prosthetic device (51.95)

51.8 Other operations on biliary ducts and sphincter of Oddi

51.81 Dilation of sphincter of Oddi
   Dilation of ampulla of Vater
Excludes: that by endoscopic approach (51.84)

51.82 Pancreatic sphincterotomy
   Incision of pancreatic sphincter
   Transduodenal ampullary sphincterotomy
Excludes: that by endoscopic approach (51.85)

51.83 Pancreatic sphincteroplasty

51.84 Endoscopic dilation of ampulla and biliary duct
   Dilation of ampulla and biliary duct by procedures classifiable to 51.10-51.11, 52.13

51.85 Endoscopic sphincterotomy and papillotomy
   Sphincterotomy and papillotomy by procedures classifiable to 51.10-51.11, 52.13

51.86 Endoscopic insertion of nasobiliary drainage tube
   Insertion of nasobiliary tube by procedures classifiable to 51.10-51.11, 52.13

51.87 Endoscopic insertion of stent (tube) into bile duct
   Endoprosthesis of bile duct
   Insertion of stent into bile duct by procedures classifiable to 51.10-51.11, 52.13
Excludes: nasobiliary drainage tube (51.86)
   replacement of stent (tube) (97.05)

51.88 Endoscopic removal of stone(s) from biliary tract
   Laparoscopic removal of stone(s) from biliary tract
   Removal of biliary tract stone(s) by procedures classifiable to 51.10-51.11, 52.13
Excludes: percutaneous extraction of common duct stones (51.96)

51.89 Other operations on sphincter of Oddi

51.9 Other operations on biliary tract

51.91 Repair of laceration of gallbladder

51.92 Closure of cholecystostomy

51.93 Closure of other biliary fistula
   Cholecystogastroenteric fistulectomy

51.94 Revision of anastomosis of biliary tract

51.95 Removal of prosthetic device from bile duct
Excludes: nonoperative removal (97.55)

51.96 Percutaneous extraction of common duct stones

51.98 Other percutaneous procedures on biliary tract
   Percutaneous biliary endoscopy via existing T-tube or other tract for:
   dilation of biliary duct stricture
   removal of stone(s) except common duct stone
exploration (postoperative)
Perccutaneous transhepatic biliary drainage
Excludes: percutaneous aspiration of gallbladder (51.01)
percutaneous biopsy and/or collection of specimen by brushing or washing (51.12)
percutaneous removal of common duct stone(s) (51.96)

51.99 Other
Insertion or replacement of biliary tract prosthesis
Excludes: biopsy of gallbladder (51.12-51.13)
irrigation of cholecystostomy and other biliary tube (96.41)
lysis of peritoneal adhesions (54.5)
nonoperative removal of:
  cholecystostomy tube (97.54)
tube from biliary tract or liver (97.55)

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<th>Code</th>
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<td>Operations on pancreas</td>
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Includes: operations on pancreatic duct
Code also any application or administration of an adhesion barrier substance (99.77)

52.0 Pancreatotomy

52.01 Drainage of pancreatic cyst by catheter
52.09 Other pancreateotomy
  Pancreatolithotomy
Excludes: drainage by anastomosis (52.4, 52.96)
  incision of pancreatic sphincte (51.82)
  marsupialization of cyst (52.3)

52.1 Diagnostic procedures on pancreas

52.11 Closed [aspiration] [needle] [percutaneous] biopsy of pancreas
52.12 Open biopsy of pancreas
52.13 Endoscopic retrograde pancreatography [ERP]
Excludes: endoscopic retrograde:
  cholangiography [ERC] (51.11)
  cholangiopancreatography [ERCP] (51.10)
  that for procedures classifiable to 51.14-51.15, 51.64, 51.84-51.88, 52.14, 52.21, 52.92-52.94, 52.97-52.98
52.14 Closed [endoscopic] biopsy of pancreatic duct
  Closed biopsy of pancreatic duct by procedures classifiable to 51.10-51.11, 52.13
52.19 Other diagnostic procedures on pancreas
Excludes: contrast pancreateogram (87.66)
  endoscopic retrograde pancreatography [ERP] (52.13)
  microscopic examination of specimen from pancreas (91.01-91.09)

52.2 Local excision or destruction of pancreas and pancreatic duct
Excludes: biopsy of pancreas (52.11-52.12, 52.14)
  pancreatic fistulectomy (52.95)
52.21 Endoscopic excision or destruction of lesion or tissue of pancreatic duct
Excision or destruction of lesion or tissue of pancreatic duct by procedures classifiable to 51.10-51.11, 52.13

52.22 Other excision or destruction of lesion or tissue of pancreas or pancreatic duct

52.3 Marsupialization of pancreatic cyst
Excludes: drainage of cyst by catheter (52.01)

52.4 Internal drainage of pancreatic cyst
  Pancreaticocystoduodenostomy
  Pancreaticocystogastrostomy
  Pancreaticocystojejunostomy

52.5 Partial pancreatectomy
Excludes: pancreatic fistulectomy (52.95)
  52.51 Proximal pancreatectomy
    Excision of head of pancreas (with part of body)
    Proximal pancreatectomy with synchronous duodenectomy
  52.52 Distal pancreatectomy
    Excision of tail of pancreas (with part of body)
  52.53 Radical subtotal pancreatectomy
  52.59 Other partial pancreatectomy

52.6 Total pancreatectomy
  Pancreatectomy with synchronous duodenectomy

52.7 Radical pancreaticoduodenectomy
  One-stage pancreaticoduodenal resection with choledochojejunal anastomosis,
  pancreaticojejunal anastomosis, and gastrojejunostomy
  Two-stage pancreaticoduodenal resection (first stage) (second stage)
  Radical resection of the pancreas
  Whipple procedure
Excludes: radical subtotal pancreatectomy (52.53)

52.8 Transplant of pancreas
Note: To report donor source - see codes 00.91-00.93
  52.80 Pancreatic transplant, not otherwise specified
  52.81 Reimplantation of pancreatic tissue
  52.82 Homotransplant of pancreas
  52.83 Heterotransplant of pancreas
  52.84 Autotransplantation of cells of Islets of Langerhans
    Homotransplantation of islet cells of pancreas
  52.85 Allotransplantation of cells of Islets of Langerhans
    Heterotransplantation of islet cells of pancreas
  52.86 Transplantation of cells of Islets of Langerhans, not otherwise specified

52.9 Other operations on pancreas
52.92 Cannulation of pancreatic duct
Excludes: that by endoscopic approach (52.93)

52.93 Endoscopic insertion of stent (tube) into pancreatic duct
Insertion of cannula or stent into pancreatic duct by procedures classifiable to 51.10-51.11, 52.13
Excludes: endoscopic insertion of nasopancreatic drainage tube (52.97)
replacement of stent (tube) (97.05)

52.94 Endoscopic removal of stone(s) from pancreatic duct
Removal of stone(s) from pancreatic duct by procedures classifiable to 51.10-51.11, 52.13

52.95 Other repair of pancreas
Fistulectomy of pancreas
Simple suture of pancreas

52.96 Anastomosis of pancreas
Anastomosis of pancreas (duct) to:
intestine
jejunum
stomach
Excludes: anastomosis to:
bile duct (51.39)
gallbladder (51.33)

52.97 Endoscopic insertion of nasopancreatic drainage tube
Insertion of nasopancreatic drainage tube by procedures classifiable to 51.10-51.11, 52.13
Excludes: drainage of pancreatic cyst by catheter (52.01)
replacement of stent (tube) (97.05)

52.98 Endoscopic dilation of pancreatic duct
Dilation of Wirsung’s duct by procedures classifiable to 51.10-51.11, 52.13

52.99 Other
Dilation of pancreatic [Wirsung’s] duct by open approach
Repair of pancreatic [Wirsung’s] duct by open approach
Excludes: irrigation of pancreatic tube (96.42)
removal of pancreatic tub (97.56)

53 Repair of hernia
Includes: hernioplasty
herniorrhaphy
Code also any application or administration of an adhesion barrier substance (99.77)
Excludes: manual reduction of hernia (96.27)

53.0 Other unilateral repair of inguinal hernia
Excludes: laparoscopic unilateral repair of inguinal hernia (17.11-17.13)

53.00 Unilateral repair of inguinal hernia, not otherwise specified
Inguinal herniorrhaphy NOS

53.01 Other and open repair of direct inguinal hernia
Direct and indirect inguinal hernia

53.02 Other and open repair of indirect inguinal hernia
53.03 Other and open repair of direct inguinal hernia with graft or prosthesis
53.04 Other and open repair of indirect inguinal hernia with graft or prosthesis
53.05 Repair of inguinal hernia with graft or prosthesis, not otherwise specified

53.1 Other bilateral repair of inguinal hernia
Excludes: laparoscopic bilateral repair of inguinal hernia (17.21-17.24)

53.10 Bilateral repair of inguinal hernia, not otherwise specified
53.11 Other and open bilateral repair of direct inguinal hernia
53.12 Other and open bilateral repair of indirect inguinal hernia
53.13 Other and open bilateral repair of inguinal hernia, one direct and one indirect
53.14 Other and open bilateral repair of direct inguinal hernia with graft or prosthesis
53.15 Other and open bilateral repair of indirect inguinal hernia with graft or prosthesis
53.16 Other and open bilateral repair of inguinal hernia, one direct and one indirect, with graft or prosthesis
53.17 Bilateral inguinal hernia repair with graft or prosthesis, not otherwise specified

53.2 Unilateral repair of femoral hernia

53.21 Unilateral repair of femoral hernia with graft or prosthesis
53.29 Other unilateral femoral herniorrhaphy

53.3 Bilateral repair of femoral hernia

53.31 Bilateral repair of femoral hernia with graft or prosthesis
53.39 Other bilateral femoral herniorrhaphy

53.4 Repair of umbilical hernia
Excludes: repair of gastroschisis (54.71)

53.41 Other and open repair of umbilical hernia with graft or prosthesis
53.42 Laparoscopic repair of umbilical hernia with graft or prosthesis
53.43 Other laparoscopic umbilical herniorrhaphy
53.49 Other open umbilical herniorrhaphy
Excludes: other laparoscopic umbilical herniorrhaphy (53.43)
repair of umbilical hernia with graft or prosthesis (53.41, 53.42)

53.5 Repair of other hernia of anterior abdominal wall (without graft or prosthesis)

53.51 Incisional hernia repair
53.59 Repair of other hernia of anterior abdominal wall
epigastric
hypogastric
spigelian
ventral
That by laparoscopic approach

53.6 Repair of other hernia of anterior abdominal wall with graft or prosthesis
   53.61 Other open incisional hernia repair with graft or prosthesis
      Excludes: laparoscopic incisional hernia repair with graft or prosthesis (53.62)
   53.62 Laparoscopic incisional hernia repair with graft or prosthesis
   53.63 Other laparoscopic repair of other hernia of anterior abdominal wall with graft or prosthesis
      Excludes: other laparoscopic repair of other hernia of anterior abdominal wall with graft or prosthesis (53.63)
   53.69 Other and open repair of other hernia of anterior abdominal wall with graft or prosthesis
      Excludes: other laparoscopic repair of other hernia of anterior abdominal wall with graft or prosthesis (53.63)

53.7 Repair of diaphragmatic hernia, abdominal approach
   53.71 Laparoscopic repair of diaphragmatic hernia, abdominal approach
   53.72 Other and open repair of diaphragmatic hernia, abdominal approach
      Excludes: laparoscopic repair of diaphragmatic hernia (53.71)
      other and open repair of diaphragmatic hernia (53.72)

53.8 Repair of diaphragmatic hernia, thoracic approach
   53.80 Repair of diaphragmatic hernia with thoracic approach, not otherwise specified
      Thoracoabdominal repair of diaphragmatic hernia
   53.81 Plication of the diaphragm
   53.82 Repair of parasternal hernia
   53.83 Laparoscopic repair of diaphragmatic hernia, with thoracic approach
   53.84 Other and open repair of diaphragmatic hernia, with thoracic approach
      Excludes: repair of diaphragmatic hernia with thoracic approach, NOS (53.80)

53.9 Other hernia repair
   Repair of hernia:
      ischiatic
      ischiorectal
      lumbar
      obturator
      omental
      retroperitoneal
      sciatic
      Excludes: relief of strangulated hernia with exteriorization of intestine (46.01, 46.03)
      repair of pericolostomy hernia (46.42)
      repair of vaginal enterocele (70.92)
54 Other operations on abdominal region

Includes: operations on:
- epigastric region
- flank
- groin region
- hypochondrium
- inguinal region
- loin region
- pelvic cavity
- mesentery
- omentum
- peritoneum
- retroperitoneal tissue space

Code also any application or administration of an adhesion barrier substance (99.77)

Excludes: hernia repair (53.00-53.9)
- obliteration of cul-de-sac (70.92)
- retroperitoneal tissue dissection (59.00-59.09)
- skin and subcutaneous tissue of abdominal wall (86.01-86.99)

54.0 Incision of abdominal wall

Drainage of:
- abdominal wall
- extraperitoneal abscess
- retroperitoneal abscess

Excludes: incision of peritoneum (54.95)
- laparotomy (54.11-54.19)

54.1 Laparotomy

54.11 Exploratory laparotomy

Excludes: exploration incidental to intra abdominal surgery -- omit code

54.12 Reopening of recent laparotomy site

Reopening of recent laparotomy site for:
- control of hemorrhage
- exploration
- incision of hematoma

54.19 Other laparotomy

Drainage of intraperitoneal abscess or hematoma

Excludes: culdocentesis (70.0)
- drainage of appendiceal abscess (47.2)
- exploration incidental to intra abdominal surgery -- omit code
- Ladd operation (54.95)
- percutaneous drainage of abdomen (54.91)
- removal of foreign body (54.92)

54.2 Diagnostic procedures of abdominal region

54.21 Laparoscopy

Peritoneoscopy

Excludes: laparoscopic cholecystectomy (51.23)
- that incidental to destruction of fallopian tubes (66.21-66.29)
54.22 Biopsy of abdominal wall or umbilicus

54.23 Biopsy of peritoneum

- Biopsy of:
  - mesentery
  - omentum
  - peritoneal implant

Excludes: closed biopsy of:
- omentum (54.24)
- peritoneum (54.24)

54.24 Closed [percutaneous] [needle] biopsy of intra-abdominal mass

- Closed biopsy of:
  - omentum
  - peritoneal implant
  - peritoneum

Excludes: that of:
- fallopian tube (66.11)
- ovary (65.11)
- uterine ligaments (68.15)
- uterus (68.16)

54.25 Peritoneal lavage

- Diagnostic peritoneal lavage

Excludes: peritoneal dialysis (54.98)

54.29 Other diagnostic procedures on abdominal region

Excludes: abdominal lymphangiogram (88.04)
- abdominal x-ray NEC (88.19)
- angiocardiology of venae cava (88.51)
- C.A.T. scan of abdomen (88.01)
- contrast x-ray of abdominal cavity (88.11-88.15)
- intra-abdominal arteriography NEC (88.47)
- microscopic examination of peritoneal and retroperitoneal specimen (91.11-91.19)
- phlebography of:
  - intra-abdominal vessels NEC (88.65)
  - portal venous system (88.64)
- sinogram of abdominal wall (88.03)
- soft tissue x-ray of abdominal wall NEC (88.09)
- tomography of abdomen NE (88.02)
- ultrasonography of abdomen and retroperitoneum (88.76)

54.3 Excision or destruction of lesion or tissue of abdominal wall or umbilicus

- Debridement of abdominal wall
- Omphalectomy

Excludes: biopsy of abdominal wall or umbilicus (54.22)
- size reduction operation (86.83)
- that of skin of abdominal wall (86.22, 86.26, 86.3)

54.4 Excision or destruction of peritoneal tissue

- Excision of:
  - appendices epiploicae
  - falciform ligament
  - gastrocolic ligament
  - lesion of:
mesentery
omentum
peritoneum
presacral lesion NOS
retroperitoneal lesion NOS

Excludes: biopsy of peritoneum (54.23)
endometrectomy of cul-de-sac (70.32)

54.5 Lysis of peritoneal adhesions
  Freeing of adhesions of:
  biliary tract
  intestines
  liver
  pelvic peritoneum
  peritoneum
  spleen
  uterus

Excludes: lysis of adhesions of:
  bladder (59.11)
  fallopian tube and ovary
  laparoscopic (65.81)
  other (65.89)
  kidney (59.02)
  ureter (59.02)

54.51 Laparoscopic lysis of peritoneal adhesions

54.59 Other lysis of peritoneal adhesions

54.6 Suture of abdominal wall and peritoneum

54.61 Reclosure of postoperative disruption of abdominal wall

54.62 Delayed closure of granulating abdominal wound
  Tertiary subcutaneous wound closure

54.63 Other suture of abdominal wall
  Suture of laceration of abdominal wall

Excludes: closure of operative wound -- omit code

54.64 Suture of peritoneum
  Secondary suture of peritoneum

Excludes: closure of operative wound -- omit code

54.7 Other repair of abdominal wall and peritoneum

54.71 Repair of gastoschisis

54.72 Other repair of abdominal wall

54.73 Other repair of peritoneum
  Suture of gastrocolic ligament

54.74 Other repair of omentum
  Epiploorrhaphy
  Graft of omentum
  Omentopexy
Reduction of torsion of omentum

Excludes: cardio-omentopexy (36.39)

54.75 Other repair of mesentery
   Mesenteric plication
   Mesenteropexy

54.9 Other operations of abdominal region
Excludes: removal of ectopic pregnancy (74.3)

54.91 Percutaneous abdominal drainage
   Paracentesis

Excludes: creation of cutaneoperitoneal fistula (54.93)

54.92 Removal of foreign body from peritoneal cavity

54.93 Creation of cutaneoperitoneal fistula

54.94 Creation of peritoneovenous shunt
   Peritoneovenous shunt

54.95 Incision of peritoneum
   Exploration of ventriculoperitoneal shunt at peritoneal site
   Ladd operation
   Revision of distal catheter of ventricular shunt
   Revision of ventriculoperitoneal shunt at peritoneal site

Excludes: that incidental to laparotomy (54.11-54.19)

54.96 Injection of air into peritoneal cavity
   Pneumoperitoneum

Excludes: that for:
   collapse of lung (33.33)
   radiography (88.12-88.13, 88.15)

54.97 Injection of locally-acting therapeutic substance into peritoneal cavity
Excludes: peritoneal dialysis (54.98)

54.98 Peritoneal dialysis
Excludes: peritoneal lavage (diagnostic) (54.25)

54.99 Other
Excludes: removal of:
   abdominal wall suture (97.83)
   peritoneal drainage device (97.82)
   retroperitoneal drainage device (97.81)

10. OPERATIONS ON THE URINARY SYSTEM (55-59)

55 Operations on kidney

Includes: operations on renal pelvis
Code also any application or administration of an adhesion barrier substance (99.77)
Excludes: perirenal tissue (59.00-59.09, 59.21-59.29, 59.91-59.92)
55.0 Nephrotomy and nephrostomy
Excludes: drainage by:
anastomosis (55.86)
aspiration (55.92)
incision of kidney pelvis (55.11-55.12)

55.01 Nephrotomy
   Evacuation of renal cyst
   Exploration of kidney
   Nephrolithotomy

55.02 Nephrostomy

55.03 Percutaneous nephrostomy without fragmentation
   Nephrostolithotomy, percutaneous (nephroscopic)
   Percutaneous removal of kidney stone(s) by:
      basket extraction
      forceps extraction (nephroscopic)
   Pyelolithotomy, percutaneous (nephroscopic)
   With placement of catheter down ureter
Excludes: percutaneous removal by fragmentation (55.04)
   repeat nephroscopic removal during current episode (55.92)

55.04 Percutaneous nephrostomy with fragmentation
   Percutaneous nephrostomy with disruption of kidney stone by ultrasonic energy and extraction (suction) through endoscope
   With placement of catheter down ureter
   With fluoroscopic guidance
Excludes: repeat fragmentation during current episode (59.95)

55.1 Pyelotomy and pyelostomy
Excludes: drainage by anastomosis (55.86)
   percutaneous pyelolithotomy (55.03)
   removal of calculus without incision (56.0)

55.11 Pyelotomy
   Exploration of renal pelvis
   Pyelolithotomy

55.12 Pyelostomy
   Insertion of drainage tube into renal pelvis

55.2 Diagnostic procedures on kidney

55.21 Nephroscopy

55.22 Pyeloscopy

55.23 Closed [percutaneous] [needle] biopsy of kidney
   Endoscopic biopsy via existing nephrostomy, nephrotomy, pyelostomy, or pyelotomy

55.24 Open biopsy of kidney

55.29 Other diagnostic procedures on kidney
Excludes: microscopic examination of specimen from kidney (91.21-91.29)
   pyelogram:
      intravenous (87.73)
percutaneous (87.75)
retrograde (87.74)
radioisotope scan (92.03)
renal arteriography (88.45)
tomography:
  C.A.T. scan (87.71)
  other (87.72)

55.3 Local excision or destruction of lesion or tissue of kidney

55.31 Marsupialization of kidney lesion
55.32 Open ablation of renal lesion or tissue
55.33 Percutaneous ablation of renal lesion or tissue
55.34 Laparoscopic ablation of renal lesion or tissue
55.35 Other and unspecified ablation of renal lesion or tissue
55.39 Other local destruction or excision of renal lesion or tissue
  Obliteration of calyceal diverticulum
Excludes: ablation of renal lesion or tissue:
  laparoscopic (55.34)
  open (55.32)
  other (55.35)
  percutaneous (55.33)
  biopsy of kidney (55.23-55.24)
  partial nephrectomy (55.4)
  percutaneous aspiration of kidney (55.92)
  wedge resection of kidney (55.4)

55.4 Partial nephrectomy
  Calycectomy
  Wedge resection of kidney
Code also any synchronous resection of ureter (56.40-56.42)

55.5 Complete nephrectomy
Code also any synchronous excision of:
  adrenal gland (07.21-07.3)
  bladder segment (57.6)
  lymph nodes (40.3, 40.52-40.59)

55.51 Nephroureterectomy
  Nephroureterectomy with bladder cuff
  Total nephrectomy (unilateral)
Excludes: removal of transplanted kidney (55.53)

55.52 Nephrectomy of remaining kidney
  Removal of solitary kidney
Excludes: removal of transplanted kidney (55.53)

55.53 Removal of transplanted or rejected kidney

55.54 Bilateral nephrectomy
Excludes: complete nephrectomy NOS (55.51)
55.6 Transplant of kidney
Note: To report donor source - see codes 00.91-00.93

55.61 Renal autotransplantation
55.69 Other kidney transplantation

55.7 Nephropexy
Fixation or suspension of movable [floating] kidney

55.8 Other repair of kidney

55.81 Suture of laceration of kidney
55.82 Closure of nephrostomy and pyelostomy
55.83 Closure of other fistula of kidney
55.84 Reduction of torsion of renal pedicle
55.85 Symphysiotomy for horseshoe kidney

55.86 Anastomosis of kidney
Nephropeloureterostomy
Pyeloureterovesical anastomosis
Ureterocalyceal anastomosis

Excludes: nephrocystanastomosis NO (56.73)

55.87 Correction of ureteropelvic junction
55.89 Other

55.9 Other operations on kidney
Excludes: lysis of perirenal adhesions (59.02)

55.91 Decapsulation of kidney
Capsulectomy of kidney
Decortication of kidney

55.92 Percutaneous aspiration of kidney (pelvis)
Aspiration of renal cyst
Renipuncture

Excludes: percutaneous biopsy of kidney (55.23)

55.93 Replacement of nephrostomy tube
55.94 Replacement of pyelostomy tube
55.95 Local perfusion of kidney

55.96 Other injection of therapeutic substance into kidney
Injection into renal cyst

55.97 Implantation or replacement of mechanical kidney

55.98 Removal of mechanical kidney

55.99 Other
Excludes: removal of pyelostomy or nephrostomy tube (97.61)
56 Operations on ureter

Code also any application or administration of an adhesion barrier substance (99.77)

56.0 Transurethral removal of obstruction from ureter and renal pelvis
   Removal of:
   - blood clot from ureter or renal pelvis without incision
   - calculus from ureter or renal pelvis without incision
   - foreign body from ureter or renal pelvis without incision

Excludes: manipulation without removal of obstruction (59.8)
   - that by incision (55.11, 56.2)
   - transurethral insertion of ureteral stent for passage of calculus (59.8)

56.1 Ureteral meatotomy

56.2 Ureterotomy
   Incision of ureter for:
   - drainage
   - exploration
   - removal of calculus

Excludes: cutting of ureterovesical orifice (56.1)
   - removal of calculus without incision (56.0)
   - transurethral insertion of ureteral stent for passage of calculus (59.8)
   - urinary diversion (56.51-56.79)

56.3 Diagnostic procedures on ureter

56.31 Ureteroscopy

56.32 Closed percutaneous biopsy of ureter
   Excludes: endoscopic biopsy of ureter (56.33)

56.33 Closed endoscopic biopsy of ureter
   - Cystourethroscopy with ureteral biopsy
   - Transurethral biopsy of ureter
   - Ureteral endoscopy with biopsy through ureterotomy
   - Ureteroscopy with biopsy

Excludes: percutaneous biopsy of ureter (56.32)

56.34 Open biopsy of ureter

56.35 Endoscopy (cystoscopy) (looposcopy) of ileal conduit

56.39 Other diagnostic procedures on ureter
   Excludes: microscopic examination of specimen from ureter (91.21-91.29)

56.4 Ureterectomy

Code also anastomosis other than end-to-end (56.51-56.79)

Excludes: fistulectomy (56.84)
   - nephroureterectomy (55.51-55.54)

56.40 Ureterectomy, not otherwise specified

56.41 Partial ureterectomy
   - Excision of lesion of ureter
   - Shortening of ureter with reimplantation
Excludes: biopsy of ureter (56.32-56.34)

56.42 Total ureterectomy

56.5 Cutaneous uretero-ileostomy

56.51 Formation of cutaneous uretero-ileostomy
- Construction of ileal conduit
- External ureteral ileostomy
- Formation of open ileal bladder
- Ileal loop operation
- Ileourerterostomy (Bricker's) (ileal bladder)
- Transplantation of ureter into ileum with external diversion

Excludes: closed ileal bladder (57.87)
- replacement of ureteral defect by ileal segment (56.89)

56.52 Revision of cutaneous uretero-ileostomy

56.6 Other external urinary diversion

56.61 Formation of other cutaneous ureterostomy
- Anastomosis of ureter to skin
- Ureterostomy NOS

56.62 Revision of other cutaneous ureterostomy
- Revision of ureterostomy stoma

Excludes: nonoperative removal of ureterostomy tube (97.62)

56.7 Other anastomosis or bypass of ureter

Excludes: ureteropyelostomy (55.86)

56.71 Urinary diversion to intestine
- Anastomosis of ureter to intestine
- Internal urinary diversion NOS

Code also any synchronous colostomy (46.10-46.13)

Excludes: external ureteral ileostomy (56.51)

56.72 Revision of ureterointestinal anastomosis

Excludes: revision of external ureteral ileostomy (56.52)

56.73 Nephrocystanastomosis, not otherwise specified

56.74 Ureteroneocystostomy
- Replacement of ureter with bladder flap
- Ureterovesical anastomosis

56.75 Transureteroureterostomy

Excludes: ureteroureterostomy associated with partial resection (56.41)

56.79 Other

56.8 Repair of ureter

56.81 Lysis of intraluminal adhesions of ureter

Excludes: lysis of periureteral adhesions (59.02-59.03)
- ureterolysis (59.02-59.03)
56.82  Suture of laceration of ureter
56.83  Closure of ureterostomy
56.84  Closure of other fistula of ureter
56.85  Ureteropexy
56.86  Removal of ligature from ureter
56.89  Other repair of ureter
  Graft of ureter
  Replacement of ureter with ileal segment implanted into bladder
  Ureteroplication

56.9  Other operations on ureter
  56.91  Dilation of ureteral meatus
  56.92  Implantation of electronic ureteral stimulator
  56.93  Replacement of electronic ureteral stimulator
  56.94  Removal of electronic ureteral stimulator
   Excludes: that with synchronous replacement (56.93)
  56.95  Ligation of ureter
  56.99  Other
   Excludes: removal of ureterostomy tube an ureteral catheter (97.62)
                  ureteral catheterization (59.8)

57  Operations on urinary bladder

Code also any application or administration of an adhesion barrier substance (99.77)

Excludes: perivesical tissue (59.11-59.29, 59.91-59.92)
            ureterovesical orifice (56.0-56.99)

57.0  Transurethral clearance of bladder
  Drainage of bladder without incision
  Removal of:
  blood clots from bladder without incision
  calculus from bladder without incision
  foreign body from bladder without incision

Excludes: that by incision (57.19)

57.1  Cystotomy and cystostomy

Excludes: cystotomy and cystostomy as operative approach -- omit code
  57.11  Percutaneous aspiration of bladder
  57.12  Lysis of intraluminal adhesions with incision into bladder
   Excludes: transurethral lysis of intraluminal adhesions (57.41)
  57.17  Percutaneous cystostomy
          Closed cystostomy
          Percutaneous suprapubic cystostomy
Excludes: removal of cystostomy tub (97.63) 
replacement of cystostomy tube (59.94)

57.18 Other suprapubic cystostomy
Excludes: percutaneous cystostomy (57.17) 
removal of cystostomy tub (97.63) 
replacement of cystostomy tube (59.94)

57.19 Other cystotomy 
Cystolithotomy
Excludes: percutaneous cystostomy (57.17) 
suprapubic cystostomy (57.18)

57.2 Vescicostomy
Excludes: percutaneous cystostomy (57.17) 
suprapubic cystostomy (57.18)

57.21 Vescicostomy 
Creation of permanent opening from bladder to skin using a bladder flap

57.22 Revision or closure of vescicostomy
Excludes: closure of cystostomy (57.82)

57.3 Diagnostic procedures on bladder

57.31 Cystoscopy through artificial stoma

57.32 Other cystoscopy
Transurethral cystoscopy
Excludes: cystourethroscopy with ureteral biopsy (56.33) 
retrograde pyelogram (87.74) 
that for control of hemorrhage (postoperative): 
bladder (57.93) 
prostate (60.94)

57.33 Closed [transurethral] biopsy of bladder

57.34 Open biopsy of bladder

57.39 Other diagnostic procedures on bladder
Excludes: cystogram NEC (87.77) 
microscopic examination of specimen from bladder (91.31-91.39) 
retrograde cystourethrogram (87.76) 
therapeutic distention of bladder (96.25)

57.4 Transurethral excision or destruction of bladder tissue

57.41 Transurethral lysis of intraluminal adhesions

57.49 Other transurethral excision or destruction of lesion or tissue of bladder 
Endoscopic resection of bladder lesion
Excludes: transurethral biopsy of bladder (57.33) 
transurethral fistulectomy (57.83-57.84)

57.5 Other excision or destruction of bladder tissue
Excludes: that with transurethral approach (57.41-57.49)
57.51 Excision of urachus
   Excision of urachal sinus of bladder
Excludes: excision of urachal cyst of abdominal wall (54.3)

57.59 Open excision or destruction of other lesion or tissue of bladder
   Endometrectomy of bladder
   Suprapubic excision of bladder lesion
Excludes: biopsy of bladder (57.33-57.34)
   fistulectomy of bladder (57.83-57.84)

57.6 Partial cystectomy
   Excision of bladder dome
   Trigonectomy
   Wedge resection of bladder

57.7 Total cystectomy
Includes: total cystectomy with urethrectomy

57.71 Radical cystectomy
   Pelvic exentration in male
   Removal of bladder, prostate, seminal vesicles, and fat
   Removal of bladder, urethra, and fat in a female

Code also any:
   lymph node dissection (40.3, 40.5)
   urinary diversion (56.51-56.79)
Excludes: that as part of pelvic exentration in female (68.8)

57.79 Other total cystectomy

57.8 Other repair of urinary bladder
Excludes: repair of:
   current obstetric laceration (75.61)
   cystocele (70.50-70.51)
   that for stress incontinence (59.3-59.79)

57.81 Suture of laceration of bladder

57.82 Closure of cystostomy

57.83 Repair of fistula involving bladder and intestine
   Rectovesicovaginal fistulectomy
   Vesicosigmoidovaginal fistulectomy

57.84 Repair of other fistula of bladder
   Cervicovesical fistulectomy
   Urethroperineovesical fistulectomy
   Uterovesical fistulectomy
   Vaginovesical fistulectomy
Excludes: vesicoureterovagina fistulectomy (56.84)

57.85 Cystourethroplasty and plastic repair of bladder neck
   Plication of sphincter of urinary bladder
   V-Y plasty of bladder neck

57.86 Repair of bladder extrophy
57.87 Reconstruction of urinary bladder
   Anastomosis of bladder with isolated segment of ileum
   Augmentation of bladder
   Replacement of bladder with ileum or sigmoid [closed ileal bladder]
   Code also resection of intestine (45.50-45.52)

57.88 Other anastomosis of bladder
   Anastomosis of bladder to intestine NOS
   Cystocolic anastomosis
   Excludes: formation of closed ilea bladder (57.87)

57.89 Other repair of bladder
   Bladder suspension, not elsewhere classified
   Cystopecty NOS
   Repair of old obstetric laceration of bladder
   Excludes: repair of current obstetric laceration (75.61)

57.9 Other operations on bladder

57.91 Sphincterotomy of bladder
   Division of bladder neck

57.92 Dilation of bladder neck

57.93 Control of (postoperative) hemorrhage of bladder

57.94 Insertion of indwelling urinary catheter

57.95 Replacement of indwelling urinary catheter

57.96 Implantation of electronic bladder stimulator

57.97 Replacement of electronic bladder stimulator

57.98 Removal of electronic bladder stimulator
   Excludes: that with synchronou replacement (57.97)

57.99 Other
   Excludes: irrigation of:
      cystostomy (96.47)
      other indwelling urinary catheter (96.48)
      lysis of external adhesions (59.11)
      removal of:
         cystostomy tube (97.63)
         other urinary drainage devic (97.64)
         therapeutic distention o bladder (96.25)

58 Operations on urethra

   Includes: operations on:
      bulbourethral gland [Cowper's gland]
      periurethral tissue

   Code also any application or administration of an adhesion barrier substance (99.77)

58.0 Urethrotomy
   Excision of urethral septum
Formation of urethrovaginal fistula
Perineal urethrostomy
Removal of calculus from urethra by incision

Excludes: drainage of bulbourethral gland or periurethral tissue (58.91)
internal urethral meatotomy (58.5)
removal of urethral calculus without incision (58.6)

58.1 Urethral meatotomy
Excludes: internal urethral meatotomy (58.5)

58.2 Diagnostic procedures on urethra
  58.21 Perineal urethroscopy
  58.22 Other urethroscopy
  58.23 Biopsy of urethra
  58.24 Biopsy of periurethral tissue
  58.29 Other diagnostic procedures on urethra and periurethral tissue
Excludes: microscopic examination of specimen from urethra (91.31-91.39)
  retrograde cystourethrogram (87.76)
  urethral pressure profil (89.25)
  urethral sphincter electromyogram (89.23)

58.3 Excision or destruction of lesion or tissue of urethra
Excludes: biopsy of urethra (58.23)
excision of bulbourethral gland (58.92)
fistulectomy (58.43)
urethrectomy as part of:
  complete cystectomy (57.79)
  pelvic evisceration (68.8)
  radical cystectomy (57.71)

  58.31 Endoscopic excision or destruction of lesion or tissue of urethra
  Fulguration of urethral lesion

  58.39 Other local excision or destruction of lesion or tissue of urethra
  Excision of:
    congenital valve of urethra
    lesion of urethra
    stricture of urethra
  Urethrectomy
Excludes: that by endoscopic approach (58.31)

58.4 Repair of urethra
Excludes: repair of current obstetric laceration (75.61)
  58.41 Suture of laceration of urethra
  58.42 Closure of urethrostomy
  58.43 Closure of other fistula of urethra
Excludes: repair of urethroperineovesical fistula (57.84)
  58.44 Reanastomosis of urethra
Anastomosis of urethra

58.45  Repair of hypospadias or epispadias

58.46  Other reconstruction of urethra
   Urethral construction

58.47  Urethral meatoplasty

58.49  Other repair of urethra
   Benenenti rotation of bulbous urethra
   Repair of old obstetric laceration of urethra
   Urethral plication

Excludes: repair of:
   current obstetric laceration (75.61)
   urethrocele (70.50-70.51)

58.5  Release of urethral stricture
   Cutting of urethral sphincter
   Internal urethral meatotomy
   Urethrolysis

58.6  Dilation of urethra
   Dilation of urethrovesical junction
   Passage of sounds through urethra
   Removal of calculus from urethra without incision

Excludes: urethral calibration (89.29)

58.9  Other operations on urethra and periurethral tissue

58.91 Incision of periurethral tissue
   Drainage of bulbourethral gland

58.92 Excision of periurethral tissue

Excludes: biopsy of periurethral tissue (58.24)
   lysis of periurethral adhesions
   laparoscopic (59.12)
   other (59.11)

58.93 Implantation of artificial urinary sphincter [AUS]
   Placement of inflatable:
      bladder sphincter
      urethral sphincter
   Removal with replacement of sphincter device [AUS]
      With pump and/or reservoir

58.99 Other
   Removal of inflatable urinary sphincter without replacement
   Repair of inflatable sphincter pump and/or reservoir
   Surgical correction of hydraulic pressure of inflatable sphincter device

Excludes: removal of:
   intraluminal foreign bod from urethra without incision (98.19)
   urethral stent (97.65)

59  Other operations on urinary tract

Code also any application or administration of an adhesion barrier substance (99.77)
59.0 Dissection of retroperitoneal tissue

59.00 Retroperitoneal dissection, not otherwise specified

59.02 Other lysis of perirenal or periureteral adhesions
Excludes: that by laparoscope (59.03)

59.03 Laparoscopic lysis of perirenal or periureteral adhesions

59.09 Other incision of perirenal or periureteral tissue
  Exploration of perinephric area
  Incision of perirenal abscess

59.1 Incision of perivesical tissue

59.11 Other lysis of perivesical adhesions

59.12 Laparoscopic lysis of perivesical adhesions

59.19 Other incision of perivesical tissue
  Exploration of perivesical tissue
  Incision of hematoma of space of Retzius
  Retropubic exploration

59.2 Diagnostic procedures on perirenal and perivesical tissue

59.21 Biopsy of perirenal or perivesical tissue

59.29 Other diagnostic procedures on perirenal tissue, perivesical tissue, and retroperitoneum
Excludes: microscopic examination of specimen from:
  perirenal tissue (91.21-91.29)
  perivesical tissue (91.31-91.39)
  retroperitoneum NEC (91.11-91.19)
  retroperitoneal x-ray (88.14-88.16)

59.3 Plication of urethrovessical junction
  Kelly-Kennedy operation on urethra
  Kelly-Stoeckel urethral plication

59.4 Suprapubic sling operation
  Goebel-Frangelheim-Stoeckel urethrovessical suspension
  Millin-Read urethrovessical suspension
  Oxford operation for urinary incontinence
  Urethrocystopexy by suprapubic suspension

59.5 Retropubic urethral suspension
  Burch procedure
  Marshall-Marchetti-Krantz operation
  Suture of periurethral tissue to symphysis pubis
  Urethral suspension NOS

59.6 Paraurethral suspension
  Pereyra paraurethral suspension
  Periurethral suspension

59.7 Other repair of urinary stress incontinence

59.71 Levator muscle operation for urethrovessical suspension
  Cystourethropexy with levator muscle sling
Gracilis muscle transplant for urethrovesical suspension
Pubococcygeal sling

59.72 Injection of implant into urethra and/or bladder neck
   Collagen implant
   Endoscopic injection of implant
   Fat implant
   Polytet implant

59.79 Other
   Anterior urethropexy
   Repair of stress incontinence NOS
   Tudor "rabbit ear" urethropexy

59.8 Ureteral catheterization
   Drainage of kidney by catheter
   Insertion of ureteral stent
   Ureterovesical orifice dilation

Code also any ureterotomy (56.2)

Excludes: that for:
   retrograde pyelogram (87.74)
   transurethral removal of calculus or clot from ureter and renal pelvis (56.0)

59.9 Other operations on urinary system

Excludes: nonoperative removal of therapeutic device (97.61-97.69)

59.91 Excision of perirenal or perivesical tissue
   Excludes: biopsy of perirenal or perivesical tissue (59.21)

59.92 Other operations on perirenal or perivesical tissue

59.93 Replacement of ureterostomy tube
   Change of ureterostomy tube
   Reininsertion of ureterostomy tube
   Excludes: nonoperative removal of ureterostomy tube (97.62)

59.94 Replacement of cystostomy tube
   Excludes: nonoperative removal of cystostomy tube (97.63)

59.95 Ultrasonic fragmentation of urinary stones
   Shattered urinary stones
   Excludes: percutaneous nephrostomy with fragmentation (55.04)
   shock-wave disintegratio (98.51)

59.99 Other
   Excludes: instillation of medication into urinary tract (96.49)
   irrigation of urinary tract (96.45-96.48)

### 11. OPERATIONS ON THE MALE GENITAL ORGANS (60-64)

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<tr>
<th>60</th>
<th>Operations on prostate and seminal vesicles</th>
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</table>

Includes: operations on periprostatic tissue
Code also any application or administration of an adhesion barrier substance (99.77)
Excludes: that associated with radical cystectomy (57.71)

60.0 Incision of prostate
  Drainage of prostatic abscess
  Prostatolithotomy
Excludes: drainage of periprostatic tissue only (60.81)

60.1 Diagnostic procedures on prostate and seminal vesicles
  60.11 Closed [percutaneous] [needle] biopsy of prostate
     Approach:
     transrectal
     transurethral
     Punch biopsy

  60.12 Open biopsy of prostate

  60.13 Closed [percutaneous] biopsy of seminal vesicles
     Needle biopsy of seminal vesicles

  60.14 Open biopsy of seminal vesicles

  60.15 Biopsy of periprostatic tissue

  60.18 Other diagnostic procedures on prostate and periprostatic tissue
     Excludes: microscopic examination of specimen from prostate (91.31-91.39)
     x-ray of prostate (87.92)

  60.19 Other diagnostic procedures on seminal vesicles
     Excludes: microscopic examination of specimen from seminal vesicles (91.31-91.39)
     x-ray:
     contrast seminal vesiculogra (87.91)
     other (87.92)

60.2 Transurethral prostatectomy
Excludes: local excision of lesion of prostate (60.61)
  60.21 Transurethral (ultrasound) guided laser induced prostatectomy (TULIP)
     Ablation (contact) (noncontact) by laser

  60.29 Other transurethral prostatectomy
     Excision of median bar by transurethral approach
     Transurethral electrovaporization of prostrate (TEVAP)
     Transurethral enucleative procedure
     Transurethral prostatectomy NOS
     Transurethral resection of prostate (TURP)

60.3 Suprapubic prostatectomy
  Transvesical prostatectomy
Excludes: local excision of lesion of prostate (60.61)
radical prostatectomy (60.5)

60.4 Retropubic prostatectomy
Excludes: local excision of lesion of prostate (60.61)
radical prostatectomy (60.5)
60.5 Radical prostatectomy
   Prostatovesiculectomy
   Radical prostatectomy by any approach
Excludes: cystoprostatectomy (57.71)

60.6 Other prostatectomy
   60.61 Local excision of lesion of prostate
   Excludes: biopsy of prostate (60.11-60.12)
       laser interstitial thermal therapy [LITT] of lesion or tissue of prostate under guidance
       (17.69)
   60.62 Perineal prostatectomy
       Cryoablation of prostate
       Cryoprostatectomy
       Cryosurgery of prostate
       Radical cryosurgical ablation of prostate (RCSA)
   Excludes: local excision of lesion of prostate (60.61)

60.69 Other

60.7 Operations on seminal vesicles
   60.71 Percutaneous aspiration of seminal vesicle
   Excludes: needle biopsy of seminal vesicle (60.13)
   60.72 Incision of seminal vesicle
   60.73 Excision of seminal vesicle
       Excision of Müllerian duct cyst
       Spermatocystectomy
   Excludes: biopsy of seminal vesicle (60.13-60.14)
       prostatovesiculectomy (60.5)
   60.79 Other operations on seminal vesicles

60.8 Incision or excision of periprostatic tissue
   60.81 Incision of periprostatic tissue
       Drainage of periprostatic abscess
   60.82 Excision of periprostatic tissue
       Excision of lesion of periprostatic tissue
   Excludes: biopsy of periprostatic tissue (60.15)

60.9 Other operations on prostate
   60.91 Percutaneous aspiration of prostate
   Excludes: needle biopsy of prostat (60.11)
   60.92 Injection into prostate test link
   60.93 Repair of prostate
   60.94 Control of (postoperative) hemorrhage of prostate
       Coagulation of prostatic bed
       Cystoscopy for control of prostatic hemorrhage
### 60.95 Transurethral balloon dilation of the prostatic urethra

### 60.96 Transurethral destruction of prostate tissue by microwave thermotherapy
- Transurethral microwave thermotherapy (TUMT) of prostate

**Excludes:**
- Prostatectomy:
  - other (60.61-60.69)
  - radical (60.5)
  - retropubic (60.4)
  - suprapubic (60.3)
  - transurethral (60.21-60.29)

### 60.97 Other transurethral destruction of prostate tissue by other thermotherapy
- Radiofrequency thermotherapy
- Transurethral needle ablation (TUNA) of prostate

**Excludes:**
- Prostatectomy:
  - other (60.61-60.69)
  - radical (60.5)
  - retropubic (60.4)
  - suprapubic (60.3)
  - transurethral (60.21-60.29)

### 60.99 Other

**Excludes:** prostatic massage (99.94)

### 61 Operations on scrotum and tunica vaginalis

#### 61.0 Incision and drainage of scrotum and tunica vaginalis
**Excludes:** percutaneous aspiration of hydrocele (61.91)

#### 61.1 Diagnostic procedures on scrotum and tunica vaginalis
- Biopsy of scrotum or tunica vaginalis
- Other diagnostic procedures on scrotum and tunica vaginalis

#### 61.2 Excision of hydrocele (of tunica vaginalis)
- Bottle repair of hydrocele of tunica vaginalis

**Excludes:** percutaneous aspiration of hydrocele (61.91)

#### 61.3 Excision or destruction of lesion or tissue of scrotum
- Fulguration of lesion of scrotum
- Reduction of elephantiasis of scrotum
- Partial scrotectomy of scrotum

**Excludes:**
- biopsy of scrotum (61.11)
- scrotal fistulectomy (61.42)

#### 61.4 Repair of scrotum and tunica vaginalis
- Suture of laceration of scrotum and tunica vaginalis
- Repair of scrotal fistula
- Other repair of scrotum and tunica vaginalis
  - Reconstruction with rotational or pedicle flaps

#### 61.9 Other operations on scrotum and tunica vaginalis
61.91  Percutaneous aspiration of tunica vaginalis
   Aspiration of hydrocele of tunica vaginalis
61.92  Excision of lesion of tunica vaginalis other than hydrocele
   Excision of hematocele of tunica vaginalis
61.99  Other
   Excludes: removal of foreign body from scrotum without incision (98.24)

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62.91  Aspiration of testis
Excludes: percutaneous biopsy of testis (62.11)

62.92  Injection of therapeutic substance into testis

62.99  Other

63   Operations on spermatic cord, epididymis, and vas deferens

63.0  Diagnostic procedures on spermatic cord, epididymis, and vas deferens

63.01  Biopsy of spermatic cord, epididymis, or vas deferens

63.09  Other diagnostic procedures on spermatic cord, epididymis, and vas deferens
Excludes: contrast epididymogram (87.93)
        contrast vasogram (87.94)
        other x-ray of epididymis and vas deferens (87.95)

63.1  Excision of varicocele and hydrocele of spermatic cord
        High ligation of spermatic vein
        Hydrocelectomy of canal of Nuck

63.2  Excision of cyst of epididymis
        Spermatocelectomy

63.3  Excision of other lesion or tissue of spermatic cord and epididymis
        Excision of appendix epididymis
Excludes: biopsy of spermatic cord or epididymis (63.01)

63.4  Epididymectomy
Excludes: that synchronous with orchiectomy (62.3-62.42)

63.5  Repair of spermatic cord and epididymis

63.51  Suture of laceration of spermatic cord and epididymis

63.52  Reduction of torsion of testis or spermatic cord
        Excludes: that associated with orchiopexy (62.5)

63.53  Transplantation of spermatic cord

63.59  Other repair of spermatic cord and epididymis

63.6  Vasotomy
        Vasostomy

63.7  Vasectomy and ligation of vas deferens

63.70  Male sterilization procedure, not otherwise specified

63.71  Ligation of vas deferens
        Crushing of vas deferens
        Division of vas deferens

63.72  Ligation of spermatic cord

63.73  Vasectomy
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<td>Operations on penis</td>
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Includes: operations on:
- corpora cavernosa
- glans penis
- prepuce

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<td>64.4</td>
<td>Repair and plastic operation on penis</td>
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<td>64.41</td>
<td>Suture of laceration of penis</td>
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<tr>
<td>64.42</td>
<td>Release of chordee</td>
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<td>64.43</td>
<td>Construction of penis</td>
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<td>64.44</td>
<td>Reconstruction of penis</td>
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<td>64.45</td>
<td>Replantation of penis</td>
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</table>

Reattachment of amputated penis
64.49 Other repair of penis
   Excludes: repair of epispadias and hypospadias (58.45)
64.5 Operations for sex transformation, not elsewhere classified
64.9 Other operations on male genital organs
   64.91 Dorsal or lateral slit of prepuce
   64.92 Incision of penis
   64.93 Division of penile adhesions
   64.94 Fitting of external prosthesis of penis
      Penile prosthesis NOS
   64.95 Insertion or replacement of non-inflatable penile prosthesis
      Insertion of semi-rigid rod prosthesis into shaft of penis
   Excludes: external penile prosthesis (64.94)
      inflatable penile prosthesis (64.97)
      plastic repair, penis (64.43-64.49)
      that associated with:
      construction (64.43)
      reconstruction (64.44)
   64.96 Removal of internal prosthesis of penis
      Removal without replacement of non- inflatable or inflatable penile prosthesis
   64.97 Insertion or replacement of inflatable penile prosthesis
      Insertion of cylinders into shaft of penis and placement of pump and reservoir
   Excludes:
      external penile prosthesis (64.94)
      non-inflatable penile prosthesis (64.95)
      plastic repair, penis (64.43-64.49)
   64.98 Other operations on penis
      Corpora cavernosa-corpus spongiosum shunt
      Corpora-saphenous shunt
      Irrigation of corpus cavernosum
   Excludes:
      removal of foreign body:
      intraluminal (98.19)
      without incision (98.24)
      stretching of foreskin (99.95)
   64.99 Other
   Excludes: collection of sperm fo artificial insemination (99.96)

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<thead>
<tr>
<th>OPERATIONS ON THE FEMALE GENITAL ORGANS (65-71)</th>
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<td>65 Operations on ovary</td>
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<td>Code also any application or administration of an adhesion barrier substance (99.77)</td>
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<td>65.0 Oophorotomy</td>
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</table>
   Salpingo-oophorotomy |
65.01 Laparoscopic oophorotomy
65.09 Other oophorotomy

65.1 Diagnostic procedures on ovaries
65.11 Aspiration biopsy of ovary
65.12 Other biopsy of ovary
65.13 Laparoscopic biopsy of ovary
65.14 Other laparoscopic diagnostic procedures on ovaries
65.19 Other diagnostic procedures on ovaries
Excludes: microscopic examination of specimen from ovary (91.41-91.49)

65.2 Local excision or destruction of ovarian lesion or tissue
65.21 Marsupialization of ovarian cyst
Excludes: that by laparoscope (65.23)
65.22 Wedge resection of ovary
Excludes: that by laparoscope (65.24)
65.23 Laparoscopic marsupialization of ovarian cyst
65.24 Laparoscopic wedge resection of ovary
65.25 Other laparoscopic local excision or destruction of ovary
65.29 Other local excision or destruction of ovary
   Bisection of ovary
   Cauterization of ovary
   Partial excision of ovary
Excludes: biopsy of ovary (65.11-65.13)
   that by laparoscope (65.25)

65.3 Unilateral oophorectomy
65.31 Laparoscopic unilateral oophorectomy
65.39 Other unilateral oophorectomy
Excludes: that by laparoscope (65.31)

65.4 Unilateral salpingo-oophorectomy
65.41 Laparoscopic unilateral salpingo-oophorectomy
65.49 Other unilateral salpingo-oophorectomy

65.5 Bilateral oophorectomy
65.51 Other removal of both ovaries at same operative episode
   Female castration
Excludes: that by laparoscope (65.53)
65.52 Other removal of remaining ovary
   Removal of solitary ovary
Excludes: that by laparoscope (65.54)

65.53 Laparoscopic removal of both ovaries at same operative episode
65.54 Laparoscopic removal of remaining ovary

65.6 Bilateral salpingo-oophorectomy

65.61 Other removal of both ovaries and tubes at same operative episode
Excludes: that by laparoscope (65.63)

65.62 Other removal of remaining ovary and tube
   Removal of solitary ovary and tube
Excludes: that by laparoscope (65.64)

65.63 Laparoscopic removal of both ovaries and tubes at same operative episode
65.64 Laparoscopic removal of remaining ovary and tube

65.7 Repair of ovary
Excludes: salpingo-oophorostomy (66.72)

65.71 Other simple suture of ovary
Excludes: that by laparoscope (65.74)

65.72 Other reimplantation of ovary
Excludes: that by laparoscope (65.75)

65.73 Other salpingo-oophoroplasty
Excludes: that by laparoscope (65.76)

65.74 Laparoscopic simple suture of ovary
65.75 Laparoscopic reimplantation of ovary
65.76 Laparoscopic salpingo-oophoroplasty
65.79 Other repair of ovary
   Oophoropexy

65.8 Lysis of adhesions of ovary and fallopian tube

65.81 Laparoscopic lysis of adhesions of ovary and fallopian tube
65.89 Other lysis of adhesions of ovary and fallopian tube
Excludes: that by laparoscope (65.81)

65.9 Other operations on ovary

65.91 Aspiration of ovary
Excludes: aspiration biopsy of ovary (65.11)

65.92 Transplantation of ovary
Excludes: reimplantation of ovary
   laparoscopic (65.75))
   other (65.72)
65.93 Manual rupture of ovarian cyst
65.94 Ovarian denervation
65.95 Release of torsion of ovary
65.99 Other
   Ovarian drilling

66 Operations on fallopian tubes

Code also any application or administration of an adhesion barrier substance (99.77)

66.0 Salpingotomy and salpingostomy
   66.01 Salpingotomy
   66.02 Salpingostomy

66.1 Diagnostic procedures on fallopian tubes
   66.11 Biopsy of fallopian tube
   66.19 Other diagnostic procedures on fallopian tubes
   Excludes: microscopic examination of specimen from fallopian tubes (91.41-91.49)
   radiography of fallopian tubes (87.82-87.83, 87.85)
   Rubin's test (66.8)

66.2 Bilateral endoscopic destruction or occlusion of fallopian tubes
   Includes: bilateral endoscopic destruction or occlusion of fallopian tubes by:
      culdoscopy
      endoscopy
      hysteroscopy
      laparoscopy
      peritoneoscopy
      endoscopic destruction of solitary fallopian tube
   66.21 Bilateral endoscopic ligation and crushing of fallopian tubes
   66.22 Bilateral endoscopic ligation and division of fallopian tubes
   66.29 Other bilateral endoscopic destruction or occlusion of fallopian tubes

66.3 Other bilateral destruction or occlusion of fallopian tubes
   Includes: destruction of solitary fallopian tube
   Excludes: endoscopic destruction or occlusion of fallopian tubes (66.21-66.29)
   66.31 Other bilateral ligation and crushing of fallopian tubes
   66.32 Other bilateral ligation and division of fallopian tubes
      Pomeroy operation
   66.39 Other bilateral destruction or occlusion of fallopian tubes
      Female sterilization operation NOS

66.4 Total unilateral salpingectomy
66.5 Total bilateral salpingectomy
Excludes: bilateral partial salpingectomy for sterilization (66.39)
that with oophorectomy (65.61-65.64)

66.51 Removal of both fallopian tubes at same operative episode
66.52 Removal of remaining fallopian tube
Removal of solitary fallopian tube

66.6 Other salpingectomy
Includes: salpingectomy by:
cauterization
coagulation
electrocoagulation
excision

Excludes: fistulectomy (66.73)

66.61 Excision or destruction of lesion of fallopian tube
Excludes: biopsy of fallopian tube (66.11)

66.62 Salpingectomy with removal of tubal pregnancy
Code also any synchronous oophorectomy (65.31, 65.39)

66.63 Bilateral partial salpingectomy, not otherwise specified

66.69 Other partial salpingectomy

66.7 Repair of fallopian tube

66.71 Simple suture of fallopian tube
66.72 Salpingo-oophorostomy
66.73 Salpingo-salpingostomy
66.74 Salpingo-uterostomy

66.79 Other repair of fallopian tube
Graft of fallopian tube
Reopening of divided fallopian tube
Salpingoplasty

66.8 Insufflation of fallopian tube
Insufflation of fallopian tube with:
air
dye
gas
saline
Rubin’s test

Excludes: insufflation of therapeutic agent (66.95)
that for hysterosalpingography (87.82-87.83)

66.9 Other operations on fallopian tubes

66.91 Aspiration of fallopian tube

66.92 Unilateral destruction or occlusion of fallopian tube
Excludes: that of solitary tube (66.21-66.39)
<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>66.93</td>
<td>Implantation or replacement of prosthesis of fallopian tube</td>
</tr>
<tr>
<td>66.94</td>
<td>Removal of prosthesis of fallopian tube</td>
</tr>
<tr>
<td>66.95</td>
<td>Insufflation of therapeutic agent into fallopian tubes</td>
</tr>
<tr>
<td>66.96</td>
<td>Dilation of fallopian tube</td>
</tr>
<tr>
<td>66.97</td>
<td>Burying of fimbriae in uterine wall</td>
</tr>
<tr>
<td>66.99</td>
<td>Other</td>
</tr>
</tbody>
</table>

Excludes: lysis of adhesions of ovary and tube
- laparoscopic (65.81)
- other (65.89)

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>67</td>
<td>Operations on cervix</td>
</tr>
</tbody>
</table>

Code also any application or administration of an adhesion barrier substance (99.77)

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>67.0</td>
<td>Dilation of cervical canal</td>
</tr>
</tbody>
</table>

Excludes:
- dilation and curettage (69.01-69.09)
- that for induction of labor (73.1)

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>67.1</td>
<td>Diagnostic procedures on cervix</td>
</tr>
<tr>
<td>67.11</td>
<td>Endocervical biopsy</td>
</tr>
</tbody>
</table>

Excludes: conization of cervix (67.2)

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>67.12</td>
<td>Other cervical biopsy</td>
</tr>
</tbody>
</table>

Punch biopsy of cervix NOS

Excludes: conization of cervix (67.2)

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>67.19</td>
<td>Other diagnostic procedures on cervix</td>
</tr>
</tbody>
</table>

Excludes: microscopic examination of specimen from cervix (91.41-91.49)

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>67.2</td>
<td>Conization of cervix</td>
</tr>
</tbody>
</table>

Excludes: that by:
- cryosurgery (67.33)
- electrosurgery (67.32)

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>67.3</td>
<td>Other excision or destruction of lesion or tissue of cervix</td>
</tr>
<tr>
<td>67.31</td>
<td>Marsupialization of cervical cyst</td>
</tr>
<tr>
<td>67.32</td>
<td>Destruction of lesion of cervix by cauteterization</td>
</tr>
</tbody>
</table>

Electroconization of cervix
- LEEP (loop electrosurgical excision procedure)
- LLETZ (large loop excision of the transformation zone)

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>67.33</td>
<td>Destruction of lesion of cervix by cryosurgery</td>
</tr>
</tbody>
</table>

Cryoconization of cervix

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>67.39</td>
<td>Other excision or destruction of lesion or tissue of cervix</td>
</tr>
</tbody>
</table>

Excludes:
- biopsy of cervix (67.11-67.12)
- cervical fistulectomy (67.62)
- conization of cervix (67.2)
67.4  Amputation of cervix
       Cervicectomy with synchronous colporrhaphy

67.5  Repair of internal cervical os
       67.51  Transabdominal cerclage of cervix
       67.59  Other repair of internal cervical os
                Cerclage of isthmus uteri
                McDonald operation
                Shirodkar operation
                Transvaginal cerclage

                Excludes: laparoscopically assisted supracervical hysterectomy [LASH] (68.31)
                transabdominal cerclage of cervix (67.51)

67.6  Other repair of cervix
       Excludes: repair of current obstetric laceration (75.51)
       67.61  Suture of laceration of cervix
       67.62  Repair of fistula of cervix
                Cervicosigmoidal fistulotomy

                Excludes: fistulotomy:
                        cervicovesical (57.84)
                        ureterocervical (56.84)
                        vesicocervicovaginal (57.84)

       67.69  Other repair of cervix
                Repair of old obstetric laceration of cervix

68  Other incision and excision of uterus

Code also any application or administration of an adhesion barrier substance (99.77)

68.0  Hysterotomy
       Hysterotomy with removal of hydatidiform mole

       Excludes: hysterotomy for termination of pregnancy (74.91)

68.1  Diagnostic procedures on uterus and supporting structures
       68.11  Digital examination of uterus
                Excludes: pelvic examination, so describe (89.26)
                         postpartum manual exploration of uterine cavity (75.7)

       68.12  Hysteroscopy
                Excludes: that with biopsy (68.16)

       68.13  Open biopsy of uterus
                Excludes: closed biopsy of uterus (68.16)

       68.14  Open biopsy of uterine ligaments
                Excludes: closed biopsy of uterine ligaments (68.15)

       68.15  Closed biopsy of uterine ligaments
                Endoscopic (laparoscopy) biopsy of uterine adnexa, except ovary and fallopian tube
68.16  Closed biopsy of uterus
   Endoscopic (laparoscopy) hysteroscopy  biopsy of uterus
Excludes: open biopsy of uterus (68.13)

68.19  Other diagnostic procedures on uterus and supporting structures
Excludes: diagnostic:
   aspiration curettage (69.59)
   dilation and curettage (69.09)
   microscopic examination of specimen from uterus (91.41-91.49)
   pelvic examination (89.26)
   radioisotope scan of:
      placenta (92.17)
      uterus (92.19)
   ultrasonography of uterus (88.78-88.79)
   x-ray of uterus (87.81-87.89)

68.2  Excision or destruction of lesion or tissue of uterus

68.21  Division of endometrial synechiae
   Lysis of intraluminal uterine adhesions

68.22  Incision or excision of congenital septum of uterus

68.23  Endometrial ablation
   Dilation and curettage
   Hysteroscopic endometrial ablation

68.24  Uterine artery embolization [UAE] with coils
Excludes: that without coils (68.25)

68.25  Uterine artery embolization [UAE] without coils
   Includes that by:
      gelatin sponge
      gelfoam
      microspheres
      particulate agent NOS
      polyvinyl alcohol [PVA]
      spherical embolics
Excludes: that with coils (68.24)

68.29  Other excision or destruction of lesion of uterus
   Uterine myomectomy
Excludes: biopsy of uterus (68.13, 68.16)
   uterine fistulectomy (69.42)

68.3  Subtotal abdominal hysterectomy

68.31  Laparoscopic supracervical hysterectomy [LSH]
   Classic infrafascial SEMM hysterectomy [CISH]
   Laparoscopically assisted supracervical hysterectomy [LASH]

68.39  Other and unspecified subtotal abdominal hysterectomy
   Supracervical hysterectomy
Excludes: classic infrafascial SEMM hysterectomy [CISH] (68.31)
   laparoscopic supracervical hysterectomy [LSH] (68.31)
68.4 Total abdominal hysterectomy
Code also any synchronous removal of tubes and ovaries (65.31-65.64)
Excludes: radical abdominal hysterectomy, any approach (68.61-68.69)
   68.41 Laparoscopic total abdominal hysterectomy
      Total laparoscopic hysterectomy [TLH]
   68.49 Other and unspecified total abdominal hysterectomy
      Hysterectomy: extended
      Excludes: laparoscopic total abdominal hysterectomy (68.41)

68.5 Vaginal hysterectomy
Code also any synchronous:
   removal of tubes and ovaries (65.31-65.64)
   repair of cystocele or rectocele (70.50-70.52)
   repair of pelvic floor (70.79)
   68.51 Laparoscopically assisted vaginal hysterectomy (LAVH)
   68.59 Other and unspecified vaginal hysterectomy
   Excludes: laparoscopically assisted vaginal hysterectomy (LAVH) (68.51)
      radical vaginal hysterectomy (68.7)

68.6 Radical abdominal hysterectomy
Code also any synchronous:
   lymph gland dissection (40.3, 40.5)
   removal of tubes and ovaries (65.31-65.64)
Excludes: pelvic evisceration (68.8)
   68.61 Laparoscopic radical abdominal hysterectomy
      Laparoscopic modified radical hysterectomy
      Total laparoscopic radical hysterectomy [TLRH]
   68.69 Other and unspecified radical abdominal hysterectomy
      Modified radical hysterectomy
      Wertheim's operation
      Excludes: laparoscopic total abdominal hysterectomy (68.41)
      laparoscopic radical abdominal hysterectomy (68.61)

68.7 Radical vaginal hysterectomy
Code also any synchronous:
   lymph gland dissection (40.3, 40.5)
   removal of tubes and ovaries (65.31-65.64)
Excludes: abdominal hysterectomy, any approach (68.31-68.39, 68.41-68.49, 68.61-68.69, 68.9)
   68.71 Laparoscopic radical vaginal hysterectomy [LRVH]
   68.79 Other and unspecified radical vaginal hysterectomy
      Hysterocolpectomy
      Schauta operation

68.8 Pelvic evisceration
   Removal of ovaries, tubes, uterus, vagina, bladder, and urethra (with removal of sigmoid colon and rectum)
Code also any synchronous:
  colostomy (46.12-46.13)
  lymph gland dissection (40.3, 40.5)
  urinary diversion (56.51-56.79)

68.9 Other and unspecified hysterectomy
     Hysterectomy, NOS
Excludes: abdomen hysterectomy, any approach (68.31-68.39, 68.41-68.49, 68.61-68.69)
         vaginal hysterectomy, any approach (68.51-68.59, 68.71-68.79)

69 Other operations on uterus and supporting structures

Code also any application or administration of an adhesion barrier substance (99.77)

69.0 Dilation and curettage of uterus
Excludes: aspiration curettage of uterus (69.51-69.59)
  69.01 Dilation and curettage for termination of pregnancy
  69.02 Dilation and curettage following delivery or abortion
  69.09 Other dilation and curettage
     Diagnostic D and C

69.1 Excision or destruction of lesion or tissue of uterus and supporting structures
  69.19 Other excision or destruction of uterus and supporting structures
Excludes: biopsy of uterine ligamen (68.14)

69.2 Repair of uterine supporting structures
  69.21 Interposition operation
     Watkins procedure
  69.22 Other uterine suspension
     Hysteroscopy
     Manchester operation
     Plication of uterine ligament
  69.23 Vaginal repair of chronic inversion of uterus
  69.29 Other repair of uterus and supporting structures

69.3 Paracervical uterine denervation

69.4 Uterine repair
Excludes: repair of current obstetric laceration (75.50-75.52)
  69.41 Suture of laceration of uterus
  69.42 Closure of fistula of uterus
Excludes: uterovesical fistulectom (57.84)
  69.49 Other repair of uterus
     Repair of old obstetric laceration of uterus

69.5 Aspiration curettage of uterus
Excludes: menstrual extraction (69.6)
69.51 Aspiration curettage of uterus for termination of pregnancy
  Therapeutic abortion NOS

69.52 Aspiration curettage following delivery or abortion

69.59 Other aspiration curettage of uterus

69.6 Menstrual extraction or regulation

69.7 Insertion of intrauterine contraceptive device

69.9 Other operations on uterus, cervix, and supporting structures
Excludes: obstetric dilation or incision of cervix (73.1, 73.93)

69.91 Insertion of therapeutic device into uterus
Excludes: insertion of:
  intrauterine contraceptive device (69.7)
  laminaria (69.93)
  obstetric insertion of bag, bougie, or pack (73.1)

69.92 Artificial insemination

69.93 Insertion of laminaria

69.94 Manual replacement of inverted uterus
Excludes: that in immediate postpartal period (75.94)

69.95 Incision of cervix
Excludes: that to assist delivery (73.93)

69.96 Removal of cerclage material from cervix

69.97 Removal of other penetrating foreign body from cervix
Excludes: removal of intraluminal foreign body from cervix (98.16)

69.98 Other operations on supporting structures of uterus
Excludes: biopsy of uterine ligament (68.14)

69.99 Other operations on cervix and uterus
Excludes: removal of:
  foreign body (98.16)
  intrauterine contraceptive device (97.71)
  obstetric bag, bougie, or pack (97.72)
  packing (97.72)

70 Operations on vagina and cul-de-sac
Code also any application or administration of an adhesion barrier substance (99.77)

70.0 Culdocentesis

70.1 Incision of vagina and cul-de-sac
  70.11 Hymenotomy
  70.12 Culdotomy
  70.13 Lysis of intraluminal adhesions of vagina
70.14 Other vaginotomy
   Division of vaginal septum
   Drainage of hematoma of vaginal cuff

70.2 Diagnostic procedures on vagina and cul-de-sac
   70.21 Vaginoscopy
   70.22 Culdoscopy
   70.23 Biopsy of cul-de-sac
   70.24 Vaginal biopsy
   70.29 Other diagnostic procedures on vagina and cul-de-sac

70.3 Local excision or destruction of vagina and cul-de-sac
   70.31 Hymenectomy
   70.32 Excision or destruction of lesion of cul-de-sac
      Endometrectomy of cul-de-sac
   Excludes: biopsy of cul-de-sac (70.23)
   70.33 Excision or destruction of lesion of vagina
   Excludes: biopsy of vagina (70.24)
      vaginal fistulectomy (70.72-70.75)

70.4 Obliteration and total excision of vagina
   Vaginectomy
   Excludes: obliteration of vaginal vault (70.8)

70.5 Repair of cystocele and rectocele
   70.50 Repair of cystocele and rectocele
   Excludes: repair of cystocele and rectocele with graft or prosthesis (70.53)
   70.51 Repair of cystocele
      Anterior colporrhaphy (with urethrocele repair)
   Excludes: repair of cystocele and rectocele with graft or prosthesis (70.53)
      repair of cystocele with graft or prosthesis (70.54)
   70.52 Repair of rectocele
      Posterior colporrhaphy
   Excludes: repair of cystocele and rectocele with graft or prosthesis (70.53)
      repair of rectocele with graft or prosthesis (70.55)
      STARR procedure (48.74)
   70.53 Repair of cystocele and rectocele with graft or prosthesis
      Use additional code: for biological substance (70.94) or synthetic substance (70.95), if known
   70.54 Repair of cystocele with graft or prosthesis
      Anterior colporrhaphy (with urethrocele repair)
      Use additional code: for biological substance (70.94) or synthetic substance (70.95), if known
   70.55 Repair of rectocele with graft or prosthesis
      Posterior colporrhaphy
Use additional code: for biological substance (70.94) or synthetic substance (70.95), if known

70.6 Vaginal construction and reconstruction

70.61 Vaginal construction
70.62 Vaginal reconstruction
70.63 Vaginal construction with graft or prosthesis
Use additional code: for biological substance (70.94) or synthetic substance (70.95), if known
Excludes: vaginal construction (70.61)
70.64 Vaginal reconstruction with graft or prosthesis
Use additional code: for biological substance (70.94) or synthetic substance (70.95), if known
Excludes: vaginal reconstruction (70.62)

70.7 Other repair of vagina
Excludes: lysis of intraluminal adhesions (70.13)
repair of current obstetric laceration (75.69)
that associated with cervical amputation (67.4)

70.71 Suture of laceration of vagina
70.72 Repair of colovaginal fistula
70.73 Repair of rectovaginal fistula
70.74 Repair of other vaginoenteric fistula
70.75 Repair of other fistula of vagina
Excludes: repair of fistula:
rectovesicovaginal (57.83)
ureterovaginal (56.84)
urethrovaginal (58.43)
uterovaginal (69.42)
vesicocervicovaginal (57.84)
vesicosigmoidovaginal (57.83)
vesicoureterovaginal (56.84)
vesicovaginal (57.84)

70.76 Hymenorrhaphy
70.77 Vaginal suspension and fixation
70.78 Vaginal suspension and fixation with graft or prosthesis
Use additional code: for biological substance (70.94) or synthetic substance (70.95), if known
70.79 Other repair of vagina
Colpoperineoplasty
Repair of old obstetric laceration of vagina

70.8 Obliteration of vaginal vault
LeFort operation

70.9 Other operations on vagina and cul-de-sac
70.91 Other operations on vagina
Excludes: insertion of:
  - diaphragm (96.17)
  - mold (96.15)
  - pack (96.14)
  - pessary (96.18)
  - suppository (96.49)
removal of:
  - diaphragm (97.73)
  - foreign body (98.17)
  - pack (97.75)
  - pessary (97.74)
replacement of:
  - diaphragm (97.24)
  - pack (97.26)
  - pessary (97.25)
  - vaginal dilation (96.16)
  - vaginal douche (96.44)

70.92 Other operations on cul-de-sac
   Obliteration of cul-de-sac
   Repair of vaginal enterocele

70.93 Other operations on cul-de-sac with graft or prosthesis
   Repair of vaginal enterocele with graft or prosthesis
   Use additional code: for biological substance (70.94) or synthetic substance (70.95), if known

70.94 Insertion of biological graft
   - Allogenic material or substance
   - Allograft
   - Autograft
   - Autologous material or substance
   - Heterograft
   - Xenogenic material or substance
   Code first these procedures when done with graft or prosthesis:
   - Other operations on cul-de-sac (70.93)
   - Repair of cystocele (70.54)
   - Repair of cystocele and rectocele (70.53)
   - Repair of rectocele (70.55)
   - Vaginal construction (70.63)
   - Vaginal reconstruction (70.64)
   - Vaginal suspension and fixation (70.78)

70.95 Insertion of synthetic graft or prosthesis
   - Artificial tissue
   Code first these procedures when done with graft or prosthesis:
   - Other operations on cul-de-sac (70.93)
   - Repair of cystocele (70.54)
   - Repair of cystocele and rectocele (70.53)
   - Repair of rectocele (70.55)
   - Vaginal construction (70.63)
   - Vaginal reconstruction (70.64)
   - Vaginal suspension and fixation (70.78)

71 Operations on vulva and perineum
   Code also any application or administration of an adhesion barrier substance (99.77)
71.0 Incision of vulva and perineum
   71.01 Lysis of vulvar adhesions
   71.09 Other incision of vulva and perineum
      Enlargement of introitus NOS
      Excludes: removal of foreign body without incision (98.23)

71.1 Diagnostic procedures on vulva
   71.11 Biopsy of vulva
   71.19 Other diagnostic procedures on vulva

71.2 Operations on Bartholin's gland
   71.21 Percutaneous aspiration of Bartholin's gland (cyst)
   71.22 Incision of Bartholin's gland (cyst)
   71.23 Marsupialization of Bartholin's gland (cyst)
   71.24 Excision or other destruction of Bartholin's gland (cyst)
   71.29 Other operations on Bartholin's gland

71.3 Other local excision or destruction of vulva and perineum
   Division of Skene's gland
   Excludes: biopsy of vulva (71.11)
              vulvar fistulectomy (71.72)

71.4 Operations on clitoris
   Amputation of clitoris
   Clitoridotomy
   Female circumcision

71.5 Radical vulvectomy
   Code also any synchronous lymph gland dissection (40.3, 40.5)

71.6 Other vulvectomy
   71.61 Unilateral vulvectomy
   71.62 Bilateral vulvectomy
      Vulvectomy NOS

71.7 Repair of vulva and perineum
   Excludes: repair of current obstetric laceration (75.69)
   71.71 Suture of laceration of vulva or perineum
   71.72 Repair of fistula of vulva or perineum
      Excludes: repair of fistula:
              urethroperineal (58.43)
              urethroperineovesical (57.84)
              vaginoperineal (70.75)
   71.79 Other repair of vulva and perineum
      Repair of old obstetric laceration of vulva or perineum
71.8 Other operations on vulva
Excludes: removal of:
  - foreign body without incision (98.23)
  - packing (97.75)
  - replacement of packing (97.26)

71.9 Other operations on female genital organs

13. OBSTETRICAL PROCEDURES (72-75)

72 Forceps, vacuum, and breech delivery

72.0 Low forceps operation
  - Outlet forceps operation

72.1 Low forceps operation with episiotomy
  - Outlet forceps operation with episiotomy

72.2 Mid forceps operation
  - 72.21 Mid forceps operation with episiotomy
  - 72.29 Other mid forceps operation

72.3 High forceps operation
  - 72.31 High forceps operation with episiotomy
  - 72.39 Other high forceps operation

72.4 Forceps rotation of fetal head
  - DeLee maneuver
  - Key-in-lock rotation
  - Kielland rotation
  - Scanzoni’s maneuver

Code also any associated forceps extraction (72.0-72.39)

72.5 Breech extraction
  - 72.51 Partial breech extraction with forceps to aftercoming head
  - 72.52 Other partial breech extraction
  - 72.53 Total breech extraction with forceps to aftercoming head
  - 72.54 Other total breech extraction

72.6 Forceps application to aftercoming head
  - Piper forceps operation

Excludes:
  - partial breech extraction with forceps to aftercoming head (72.51)
  - total breech extraction with forceps to aftercoming head (72.53)

72.7 Vacuum extraction
Includes:
  - Malström’s extraction
  - 72.71 Vacuum extraction with episiotomy
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72.79</td>
<td>Other vacuum extraction</td>
</tr>
<tr>
<td>72.8</td>
<td>Other specified instrumental delivery</td>
</tr>
<tr>
<td>72.9</td>
<td>Unspecified instrumental delivery</td>
</tr>
<tr>
<td>73</td>
<td>Other procedures inducing or assisting delivery</td>
</tr>
<tr>
<td>73.0</td>
<td>Artificial rupture of membranes</td>
</tr>
</tbody>
</table>
| 73.01 | Induction of labor by artificial rupture of membranes  
        Surgical induction NOS |
|       | Excludes: artificial rupture of membranes after onset of labor (73.09) |
| 73.09 | Other artificial rupture of membranes  
        Artificial rupture of membranes at time of delivery |
| 73.1  | Other surgical induction of labor  
        Induction by cervical dilation |
|       | Excludes: injection for abortion (75.0)  
        insertion of suppository for abortion (96.49) |
| 73.2  | Internal and combined version and extraction |
| 73.21 | Internal and combined version without extraction  
        Version NOS |
| 73.22 | Internal and combined version with extraction |
| 73.3  | Failed forceps  
        Application of forceps without delivery  
        Trial forceps |
| 73.4  | Medical induction of labor |
|       | Excludes: medication to augment active labor -- omit code |
| 73.5  | Manually assisted delivery |
| 73.51 | Manual rotation of fetal head |
| 73.59 | Other manually assisted delivery  
        Assisted spontaneous delivery  
        Crede maneuver |
| 73.6  | Episiotomy  
        Episioproctotomy  
        Episiotomy with subsequent episiorrhaphy |
|       | Excludes: that with:  
        high forceps (72.31)  
        low forceps (72.1)  
        mid forceps (72.21)  
        outlet forceps (72.1)  
        vacuum extraction (72.71) |
| 73.8  | Operations on fetus to facilitate delivery  
        Clavicotomy on fetus  
        Destruction of fetus  
        Needling of hydrocephalic head |
### 73.9 Other operations assisting delivery

- **73.91 External version**
- **73.92 Replacement of prolapsed umbilical cord**
- **73.93 Incision of cervix to assist delivery**
  - Dürrssen's incisions
- **73.94 Pubiotomy to assist delivery**
  - Obstetrical symphysiotomy
- **73.99 Other**

Excludes: dilation of cervix, obstetrical to induce labor (73.1)
insertion of bag or bougie to induce labor (73.1)
removal of cerclage material (69.96)

### 74 Cesarean section and removal of fetus

**Code also any synchronous:**
- hysterectomy (68.3-68.4, 68.6, 68.8)
- myomectomy (68.29)
- sterilization (66.31-66.39, 66.63)

- **74.0 Classical cesarean section**
  - Transperitoneal classical cesarean section
- **74.1 Low cervical cesarean section**
  - Lower uterine segment cesarean section
- **74.2 Extraperitoneal cesarean section**
  - Supravesical cesarean section
- **74.3 Removal of extratubal ectopic pregnancy**
  - Removal of:
    - ectopic abdominal pregnancy
    - fetus from peritoneal or extraperitoneal cavity following uterine or tubal rupture

Excludes:
- that by salpingostomy (66.02)
- that by salpingotomy (66.01)
- that with synchronous salpingectomy (66.62)

- **74.4 Cesarean section of other specified type**
  - Peritoneal exclusion cesarean section
  - Transperitoneal cesarean section NOS
  - Vaginal cesarean section
- **74.9 Cesarean section of unspecified type**
  - **74.91 Hysterotomy to terminate pregnancy**
    - Therapeutic abortion by hysterotomy
  - **74.99 Other cesarean section of unspecified type**
    - Cesarean section NOS
    - Obstetrical abdominouterotomy
    - Obstetrical hysterotomy

### 75 Other obstetric operations
75.0 Intra-amniotic injection for abortion
   Injection of:
   prostaglandin for induction of abortion
   saline for induction of abortion
   Termination of pregnancy by intrauterine injection
Excludes: insertion of prostaglandin suppository for abortion (96.49)

75.1 Diagnostic amniocentesis

75.2 Intrauterine transfusion
   Exchange transfusion in utero
   Insertion of catheter into abdomen of fetus for transfusion
Code also any hysterotomy approach (68.0)

75.3 Other intrauterine operations on fetus and amnion
Code also any hysterotomy approach (68.0)
   75.31 Amnioscopy
      Fetoscopy
      Laparoamnioscopy
   75.32 Fetal EKG (scalp)
   75.33 Fetal blood sampling and biopsy
   75.34 Other fetal monitoring
      Antepartum fetal nonstress test
      Fetal monitoring, not otherwise specified
Excludes: fetal pulse oximetry (75.38)
   75.35 Other diagnostic procedures on fetus and amnion
      Intrauterine pressure determination
Excludes: amniocentesis (75.1)
      diagnostic procedures on gravid uterus and placenta (87.81, 88.46, 88.78, 92.17)
   75.36 Correction of fetal defect
   75.37 Amnioinfusion
      Code also injection of antibiotic (99.21)
   75.38 Fetal pulse oximetry
      Transcervical fetal oxygen saturation monitoring
      Transcervical fetal SpO2 monitoring

75.4 Manual removal of retained placenta
Excludes: aspiration curettage (69.52)
      dilation and curettage (69.02)

75.5 Repair of current obstetric laceration of uterus
   75.50 Repair of current obstetric laceration of uterus, not otherwise specified
   75.51 Repair of current obstetric laceration of cervix
   75.52 Repair of current obstetric laceration of corpus uteri

75.6 Repair of other current obstetric laceration
Code also episiotomy, if performed (73.6)

75.61 Repair of current obstetric laceration of bladder and urethra
75.62 Repair of current obstetric laceration of rectum and sphincter ani
75.69 Repair of other current obstetric laceration

Episioperineorrhaphy
Repair of:
- pelvic floor
- perineum
- vagina
- vulva
Secondary repair of episiotomy

75.7 Manual exploration of uterine cavity, postpartum
75.8 Obstetric tamponade of uterus or vagina

Excludes: antepartum tamponade (73.1)

75.9 Other obstetric operations

75.91 Evacuation of obstetrical incisional hematoma of perineum
Evacuation of hematoma of: episiotomy perineorrhaphy
75.92 Evacuation of other hematoma of vulva or vagina
75.93 Surgical correction of inverted uterus
Spintelli operation

Excludes: vaginal repair of chronic inversion of uterus (69.23)

75.94 Manual replacement of inverted uterus
75.99 Other

14. OPERATIONS ON THE MUSCULOSKELETAL SYSTEM (76-84)

76 Operations on facial bones and joints

Excludes: accessory sinuses (22.00-22.9)
nasal bones (21.00-21.99)
skull (01.01-02.99)

76.0 Incision of facial bone without division

76.01 Sequestrectomy of facial bone
Removal of necrotic bone chip from facial bone

76.09 Other incision of facial bone
Reopening of osteotomy site of facial bone

Excludes: osteotomy associated with orthognathic surgery (76.61-76.69)
removal of internal fixation device (76.97)

76.1 Diagnostic procedures on facial bones and joints

76.11 Biopsy of facial bone
76.19 Other diagnostic procedures on facial bones and joints
Excludes: contrast arthrogram of temporomandibular joint (87.13)
other x-ray (87.11-87.12, 87.14-87.16)

76.2 Local excision or destruction of lesion of facial bone
Excludes: biopsy of facial bone (76.11)
excision of odontogenic lesion (24.4)

76.3 Partial ostectomy of facial bone
76.31 Partial mandibulectomy
Hemimandibulectomy
Excludes: that associated with temporomandibular arthroplasty (76.5)
76.39 Partial ostectomy of other facial bone
Hemimaxillectomy (with bone graft or prosthesis)

76.4 Excision and reconstruction of facial bones
76.41 Total mandibulectomy with synchronous reconstruction
76.42 Other total mandibulectomy
76.43 Other reconstruction of mandible
Excludes: genioplasty (76.67-76.68)
that with synchronous total mandibulectomy (76.41)
76.44 Total ostectomy of other facial bone with synchronous reconstruction
76.45 Other total ostectomy of other facial bone
76.46 Other reconstruction of other facial bone
Excludes: that with synchronous total ostectomy (76.44)

76.5 Temporomandibular arthroplasty

76.6 Other facial bone repair and orthognathic surgery
Code also any synchronous:
bone graft (76.91)
synthetic implant (76.92)
Excludes: reconstruction of facial bones (76.41-76.46)

76.61 Closed osteoplasty [osteotomy] of mandibular ramus
Gigli saw osteotomy
76.62 Open osteoplasty [osteotomy] of mandibular ramus
76.63 Osteoplasty [osteotomy] of body of mandible
76.64 Other orthognathic surgery on mandible
Mandibular osteoplasty NOS
Segmental or subapical osteotomy
76.65 Segmental osteoplasty [osteotomy] of maxilla
Maxillary osteoplasty NOS
76.66 Total osteoplasty [osteotomy] of maxilla
76.67 Reduction genioplasty
    Reduction mentoplasty

76.68 Augmentation genioplasty
    Mentoplasty:
    NOS
    with graft or implant

76.69 Other facial bone repair
    Osteoplasty of facial bone NOS

76.7 Reduction of facial fracture
    Includes: internal fixation
    Code also any synchronous:
      bone graft (76.91)
      synthetic implant (76.92)
    Excludes: that of nasal bones (21.71-21.72)

    76.70 Reduction of facial fracture, not otherwise specified
    76.71 Closed reduction of malar and zygomatic fracture
    76.72 Open reduction of malar and zygomatic fracture
    76.73 Closed reduction of maxillary fracture
    76.74 Open reduction of maxillary fracture
    76.75 Closed reduction of mandibular fracture
    76.76 Open reduction of mandibular fracture
    76.77 Open reduction of alveolar fracture
       Reduction of alveolar fracture with stabilization of teeth
    76.78 Other closed reduction of facial fracture
       Closed reduction of orbital fracture
    Excludes: nasal bone (21.71)

    76.79 Other open reduction of facial fracture
       Open reduction of orbit rim or wall
    Excludes: nasal bone (21.72)

76.9 Other operations on facial bones and joints

    76.91 Bone graft to facial bone
       Autogenous graft to facial bone
       Bone bank graft to facial bone
       Heterogenous graft to facial bone

    76.92 Insertion of synthetic implant in facial bone
       Alloplastic implant to facial bone

    76.93 Closed reduction of temporomandibular dislocation

    76.94 Open reduction of temporomandibular dislocation

    76.95 Other manipulation of temporomandibular joint
76.96 Injection of therapeutic substance into temporomandibular joint
76.97 Removal of internal fixation device from facial bone
   Excludes: removal of:
   - dental wiring (97.33)
   - external mandibular fixation device NEC (97.36)
76.99 Other

77 Incision, excision, and division of other bones

Excludes: laminectomy for decompression (03.09)
   operations on:
   - accessory sinuses (22.00-22.9)
   - ear ossicles (19.0-19.55)
   - facial bones (76.01-76.99)
   - joint structures (80.00-81.99)
   - mastoid (19.9-20.99)
   - nasal bones (21.00-21.99)
   - skull (01.01-02.99)

The following fourth-digit subclassification is for use with appropriate categories in section 77 to identify
the site. Valid fourth-digit categories are in brackets under each code.

0 unspecified site
1 scapula, clavicle, and thorax [ribs and sternum]
2 humerus
3 radius and ulna
4 carpals and metacarpals
5 femur
6 patella
7 tibia and fibula
8 tarsals and metatarsals
9 other
   Pelvic bones
   Phalanges (of foot) (of hand)
   Vertebrae

77.0 Sequestrectomy
   [0-9]
77.1 Other incision of bone without division
   [0-9]
   Reopening of osteotomy site
   Excludes: aspiration of bone marrow (41.31, 41.91)
   removal of internal fixation device (78.60-78.69)

77.2 wedge osteotomy
   [0-9]
   Excludes: that for hallux valgus (77.51)

77.3 Other division of bone
   [0-9]
   Osteoarthrotomy
   Excludes: clavicotomy of fetus (73.8)
   laminotomy or incision of vertebra (03.01-03.09)
   pubiotomy to assist delivery (73.94)
sternotomy incidental to thoracic operation -- omit code

77.4 Biopsy of bone

77.5 Excision and repair of bunion and other toe deformities

77.51 Bunionectomy with soft tissue correction and osteotomy of the first metatarsal

77.52 Bunionectomy with soft tissue correction and arthrodesis

77.53 Other bunionectomy with soft tissue correction

77.54 Excision or correction of bunionette
   That with osteotomy

77.56 Repair of hammer toe
   Fusion of hammer toe
   Phalangectomy (partial) of hammer toe
   Filleting of hammer toe

77.57 Repair of claw toe
   Fusion of claw toe
   Phalangectomy (partial) of claw toe
   Capsulotomy of claw toe
   Tendon lengthening of claw toe

77.58 Other excision, fusion and repair of toes
   Cockup toe repair
   Overlapping toe repair
   That with use of prosthetic materials

77.59 Other bunionectomy
   Resection of hallux valgus joint with insertion of prosthesis

77.6 Local excision of lesion or tissue of bone

77.7 Excision of bone for graft

77.8 Other partial ostectomy

Condylectomy

Exclude:
   amputation (84.00-84.19, 84.91)
   arthrectomy (80.90-80.99)
   excision of bone ends associated with:
      arthrodesis (81.00-81.39, 81.62-81.66)
      arthroplasty (81.40-81.59, 81.71-81.85)
   excision of cartilage (80.5-80.6, 80.80-80.99)
   excision of head of femur with synchronous replacement (00.70-00.73, 81.51-81.53)
   hemilaminectomy (03.01-03.09)
   laminectomy (03.01-03.09)
   ostectomy for hallux valgus (77.51-77.59)
   partial amputation:
      finger (84.01)
<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>77.9</td>
<td>Total ostectomy</td>
</tr>
</tbody>
</table>

Excludes: amputation of limb (84.00-84.19, 84.91) that incidental to other operation -- omit code

<table>
<thead>
<tr>
<th>Code</th>
<th>Other operations on bones, except facial bones</th>
</tr>
</thead>
</table>

Excludes: operations on:
- accessory sinuses (22.00-22.9)
- facial bones (76.01-76.99)
- joint structures (80.00-81.99)
- nasal bones (21.00-21.99)
- skull (01.01-02.99)

The following fourth-digit subclassification is for use with categories in section 78 to identify the site. Valid fourth-digit categories are in [brackets] under each code.

- 0 unspecified site
- 1 scapula, clavicle, and thorax [ribs and sternum]
- 2 humerus
- 3 radius and ulna
- 4 carpals and metacarpals
- 5 femur
- 6 patella
- 7 tibia and fibula
- 8 tarsals and metatarsals
- 9 other
  - Pelvic bones
  - Phalanges (of foot) (of hand)
  - Vertebrae

<table>
<thead>
<tr>
<th>Code</th>
<th>Bone graft</th>
</tr>
</thead>
<tbody>
<tr>
<td>78.0</td>
<td>Bone:</td>
</tr>
<tr>
<td></td>
<td>bank graft</td>
</tr>
<tr>
<td></td>
<td>graft (autogenous) (heterogenous)</td>
</tr>
<tr>
<td></td>
<td>That with debridement of bone graft site (removal of sclerosed, fibrous or necrotic bone or tissue)</td>
</tr>
<tr>
<td></td>
<td>Transplantation of bone</td>
</tr>
</tbody>
</table>

Code also any excision of bone for graft (77.70-77.79)

Excludes: that for bone lengthening (78.30-78.39)

<table>
<thead>
<tr>
<th>Code</th>
<th>Application of external fixator device</th>
</tr>
</thead>
<tbody>
<tr>
<td>78.1</td>
<td>Fixator with insertion of pins/wires/screws into bone</td>
</tr>
</tbody>
</table>

Code also any type of fixator device, if known (84.71-84.73)

Excludes: other immobilization, pressure, and attention to wound (93.51-93.59)

<table>
<thead>
<tr>
<th>Code</th>
<th>Limb shortening procedures</th>
</tr>
</thead>
<tbody>
<tr>
<td>78.2</td>
<td>Epiphyseal stapling</td>
</tr>
</tbody>
</table>

Excludes: that incidental to other operation -- omit code
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
</table>
| 78.3 | Open epiphysiodesis  
|      | Percutaneous epiphysiodesis  
|      | Resection/osteotomy |
|      | **Limb lengthening procedures**  
|      | [0,2-5,7-9]  
|      | Bone graft with or without internal fixation devices or osteotomy  
|      | Distraction technique with or without corticotomy/osteotomy  
|      | Code also any application of an external fixation device (78.10-78.19) |
| 78.4 | Other repair or plastic operations on bone  
|      | [0-9]  
|      | Other operation on bone NEC  
|      | Repair of malunion or nonunion fracture NEC  
|      | **Excludes:** application of external fixation device (78.10-78.19)  
|      | limb lengthening procedures (78.30-78.39)  
|      | limb shortening procedures (78.20-78.29)  
|      | osteotomy (77.3)  
|      | reconstruction of thumb (82.61-82.69)  
|      | repair of pectus deformity (34.74)  
|      | repair with bone graft (78.00-78.09) |
| 78.5 | **Internal fixation of bone without fracture reduction**  
|      | [0-9]  
|      | Internal fixation of bone (prophylactic)  
|      | Reinsertion of internal fixation device  
|      | Revision of displaced or broken fixation device  
|      | **Excludes:** arthroplasty and arthrodesis (81.00-81.85)  
|      | bone graft (78.00-78.09)  
|      | insertion of sternal fixation device with rigid plates (84.94)  
|      | limb shortening procedures (78.20-78.29)  
|      | that for fracture reduction (79.10-79.19, 79.30-79.59) |
| 78.6 | **Removal of implanted devices from bone**  
|      | [0-9]  
|      | External fixator device (invasive)  
|      | Internal fixation device  
|      | Removal of bone growth stimulator (invasive)  
|      | Removal of internal limb lengthening device  
|      | Removal of pedicle screw(s) used in spinal fusion  
|      | **Excludes:** removal of cast, splint, and traction device (Kirschner wire) (Steinmann pin) (97.88)  
|      | removal of posterior spinal motion preservation (facet replacement, pedicle-based dynamic stabilization, interspinous process) device(s) (80.09)  
|      | removal of skull tongs or halo traction device (02.95) |
| 78.7 | **Osteoclasis**  
|      | [0-9]  
| 78.8 | **Diagnostic procedures on bone, not elsewhere classified**  
|      | [0-9]  
|      | **Excludes:** biopsy of bone (77.40-77.49)  
|      | magnetic resonance imaging (88.94)  
|      | microscopic examination of specimen from bone (91.51-91.59)  
|      | radioisotope scan (92.14) |
skeletal x-ray (87.21-87.29, 87.43, 88.21-88.33)
thermography (88.83)

78.9 Insertion of bone growth stimulator
[0-9]

Insertion of:
bone stimulator (electrical) to aid bone healing
osteogenic electrodes for bone growth stimulation
totally implanted device (invasive)

Excludes: non-invasive (transcutaneous) (surface) stimulator (99.86)

79 Reduction of fracture and dislocation

Includes: application of cast or splint reduction with insertion of traction device (Kirschner wire)
(Steinmann pin)

Code also any:
application of external fixator device (78.10-78.19)
type of fixator device, if known (84.71-84.73)

Excludes: external fixation alone for immobilization of fracture (93.51-93.56, 93.59)
internal fixation without reduction of fracture (78.50-78.59)
operations on:
   facial bones (76.70-76.79)
   nasal bones (21.71-21.72)
   orbit (76.78-76.79)
   skull (02.02)
   vertebrae (03.53)
removal of cast or splint (97.88)
replacement of cast or splint (97.11-97.14)
traction alone for reduction of fracture  (93.41-93.46)

The following fourth-digit subclassification is for use with appropriate categories in section 79 to identify
the site. Valid fourth-digit categories are in [brackets] under each code.

0 unspecified site
1 humerus
2 radius and ulna
   Arm NOS
3 carpals and metacarpals
   Hand NOS
4 phalanges of hand
5 femur
6 tibia and fibula
   Leg NOS
7 tarsals and metatarsals
   Foot NOS
8 phalanges of foot
9 other specified bone

79.0 Closed reduction of fracture without internal fixation
[0-9]

Excludes: that for separation of epiphysis (79.40-79.49)

79.1 Closed reduction of fracture with internal fixation
[0-9]

Excludes: that for separation of epiphysis (79.40-79.49)
79.2 Open reduction of fracture without internal fixation
Excludes: that for separation of epiphysis (79.50-79.59)

79.3 Open reduction of fracture with internal fixation
Excludes: that for separation of epiphysis (79.50-79.59)

79.4 Closed reduction of separated epiphysis
Reduction with or without internal fixation

79.5 Open reduction of separated epiphysis
Reduction with or without internal fixation

79.6 Debridement of open fracture site
Debridement of compound fracture

79.7 Closed reduction of dislocation
Includes: closed reduction (with external traction device)
Excludes: closed reduction of dislocation of temporomandibular joint (76.93)

79.70 Closed reduction of dislocation of unspecified site
79.71 Closed reduction of dislocation of shoulder
79.72 Closed reduction of dislocation of elbow
79.73 Closed reduction of dislocation of wrist
79.74 Closed reduction of dislocation of hand and finger
79.75 Closed reduction of dislocation of hip
79.76 Closed reduction of dislocation of knee
79.77 Closed reduction of dislocation of ankle
79.78 Closed reduction of dislocation of foot and toe
79.79 Closed reduction of dislocation of other specified sites

79.8 Open reduction of dislocation
Includes: open reduction (with internal and external fixation devices)
Excludes: open reduction of dislocation of temporomandibular joint (76.94)

79.80 Open reduction of dislocation of unspecified site
79.81 Open reduction of dislocation of shoulder
79.82 Open reduction of dislocation of elbow
79.83 Open reduction of dislocation of wrist
79.84 Open reduction of dislocation of hand and finger
79.85 Open reduction of dislocation of hip
79.86 Open reduction of dislocation of knee
79.87 Open reduction of dislocation of ankle
79.88 Open reduction of dislocation of foot and toe
79.89 Open reduction of dislocation of other specified sites
79.9 Unspecified operation on bone injury
[0-9]

80 Incision and excision of joint structures

Includes: operations on:
capsule of joint
cartilage
condyle
ligament
meniscus
synovial membrane

Excludes: cartilage of:
ear (18.01-18.9)
nose (21.00-21.99)
temporomandibular joint (76.01-76.99)

The following fourth-digit subclassification is for use with appropriate categories in section 80 to identify the site:

0 unspecified site
1 shoulder
2 elbow
3 wrist
4 hand and finger
5 hip
6 knee
7 ankle
8 foot and toe
9 other specified sites

80.0 Arthrotomy for removal of prosthesis without replacement
[0-9]

Includes removal of posterior spinal motion preservation (dynamic stabilization, facet replacement, interspinous process) device(s)

Code also any:
insertion of (cement)(joint) (methylmethacrylate) spacer (84.56)
removal of (cement)(joint) (methylmethacrylate) spacer (84.57)

Excludes: removal of pedicle screws used in spinal fusion (78.69)

80.1 Other arthrotomy
[0-9]

Arthrostomy

Excludes: that for:
arthrography (88.32)
arthroscopy (80.20-80.29)
injection of drug (81.92)
operative approach -- omit code

80.2  Arthroscopy
[0-9]

80.3  Biopsy of joint structure
[0-9]
Aspiration biopsy

80.4  Division of joint capsule, ligament, or cartilage
[0-9]
Goldner clubfoot release
Heyman-Herndon(-Strong) correction of metatarsus varus
Release of:
  adherent or constrictive joint capsule
  joint
  ligament
Excludes: symphysiotomy to assist delivery (73.94)
that for:
carpal tunnel syndrome (04.43)
tarsal tunnel syndrome (04.44)

80.5  Excision, destruction and other repair of intervertebral disc

80.50  Excision or destruction of intervertebral disc, unspecified
  Unspecified as to excision or destruction

80.51  Excision of intervertebral disc
  Diskectomy
  Removal of herniated nucleus pulposus
  Level:
    cervical
    thoracic
    lumbar (lumbosacral)
  That by laminotomy or hemilaminectomy
  That with decompression of spinal nerve root at same level
  Requires additional code for any concomitant decompression of spinal nerve root at
  different level from excision site

  Code also any: concurrent spinal fusion (81.00-81.09)
  repair of the anulus fibrousus (80.53-80.54)

Excludes: that for insertion of (non-fusion) spinal disc replacement device (84.60-84.69)
  that with corpectomy, (vertebral) (80.99)
  intervertebral chemonucleolysis (80.52)
  laminectomy for exploration of intraspinal canal (03.09)
  laminotomy for decompression of spinal nerve root only (03.09)

80.52  Intervertebral chemonucleolysis
  With aspiration of disc fragments
  With diskography
  Injection of proteolytic enzyme into intervertebral space (chymopapain)

Excludes: injection of anesthetic substance (03.91)
  injection of other substances (03.92)

80.53  Repair of the anulus fibrosus with graft or prosthesis
  Anular disc repair
Closure (sealing) of the anulus fibrosus defect
Includes: microsurgical suture repair with fascial autograft
soft tissue re-approximation repair with tension bands
surgical mesh repair

Code also any:
application or administration of adhesion barrier substance, if performed (99.77)
intervertebral discectomy, if performed (80.51)
locally harvested fascia for graft (83.43)

80.54 Other and unspecified repair of the anulus fibrosus
Anular disc repair
Closure (sealing) of the anulus fibrosus defect
Microsurgical suture repair without fascial autograft
Percutaneous repair of the anulus fibrosus

Code also any:
application or administration of adhesion barrier substance, if performed (99.77)
intervertebral discectomy, if performed (80.51)

80.59 Other destruction of intervertebral disc
Destruction NEC
That by laser

80.6 Excision of semilunar cartilage of knee
Excision of meniscus of knee

80.7 Synovectomy

Complete or partial resection of synovial membrane

Excludes: excision of Baker's cyst (83.39)

80.8 Other local excision or destruction of lesion of joint
[0-9]

80.9 Other excision of joint
[0-9]

Excludes: cheilectomy of joint (77.80-77.89)
excision of bone ends (77.80-77.89)

81 Repair and plastic operations on joint structures

81.0 Spinal fusion

Note: Spinal fusion is classified by the anatomic portion (column) fused and the technique (approach) used to perform the fusion.

For the anterior column, the body (corpus) of adjacent vertebrae are fused (interbody fusion).
The anterior column can be fused using an anterior, lateral, or posterior technique.

For the posterior column, posterior structures of adjacent vertebrae are fused (pedicle, lamina, facet, transverse process, or "gutter" fusion). A posterior column fusion can be performed using a posterior, posterolateral, or lateral transverse technique.

Includes: arthrodesis of spine with:
bone graft
internal fixation

Code also any insertion of interbody spinal fusion device (84.51)
any insertion of recombinant bone morphogenetic protein (84.52)
any synchronous excision of (locally) harvested bone for graft (77.70-77.79)
the total number of vertebrae fused (81.62-81.64)

Excludes:
correction of pseudarthrosis of spine (81.30-81.39)
refusion of spine (81.30-81.39)

81.00 Spinal fusion, not otherwise specified

81.01 Atlas-axis spinal fusion
   Craniocervical fusion by anterior, transoral, or posterior technique
   C1-C2 fusion by anterior, transoral, or posterior technique
   Occiput C2 fusion by anterior, transoral, or posterior technique

81.02 Other cervical fusion of the anterior column, anterior technique
   Arthrodosis of C2 level or below:
      anterior interbody fusion
      anterolateral technique

81.03 Other cervical fusion of the posterior column, posterior technique
   Arthrodosis of C2 level or below, posterolateral technique

81.04 Dorsal and dorsolumbar fusion of the anterior column, anterior technique
   Arthrodosis of thoracic or thoracolumbar region:
      anterior interbody fusion
      anterolateral technique
      Extracavitary technique

81.05 Dorsal and dorsolumbar fusion of the posterior column, posterior technique
   Arthrodosis of thoracic or thoracolumbar region, posterolateral technique

81.06 Lumbar and lumbosacral fusion of the anterior column, anterior technique
   Anterior lumbar interbody fusion (ALIF)
   Arthrodosis of lumbar or lumbosacral region:
      anterior interbody fusion
      anterolateral technique
      retroperitoneal
      transperitoneal
   Direct lateral interbody fusion [DLIF]
   Extreme lateral interbody fusion [XLIF]

81.07 Lumbar and lumbosacral fusion of the posterior column, posterior technique
   Facet fusion
   Posterolateral technique
   Transverse process technique

81.08 Lumbar and lumbosacral fusion of the anterior column, posterior technique
   Arthrodosis of lumbar or lumbosacral region, posterior interbody fusion
   Axial lumbar interbody fusion [AxiaLIF]
   Posterior lumbar interbody fusion (PLIF)
   Transforaminal lumbar interbody fusion (TLIF)

81.1 Arthrodosis and arthroereisis of foot and ankle

Includes:
   arthrodosis of foot and ankle with:
   bone graft
   external fixation device

81.11 Ankle fusion
   Tibiotalar fusion
81.12 Triple arthrodesis
   Talus to calcaneus and calcaneus to cuboid and navicular

81.13 Subtalar fusion
   Excludes: arthroereisis (81.18)

81.14 Midtarsal fusion

81.15 Tarsometatarsal fusion

81.16 Metatarsophalangeal fusion

81.17 Other fusion of foot

81.18 Subtalar joint arthroereisis

81.2 Arthrodesis of other joint
   Includes: arthrodesis with:
       bone graft
       external fixation device
       excision of bone ends and compression

81.20 Arthrodesis of unspecified joint

81.21 Arthrodesis of hip

81.22 Arthrodesis of knee

81.23 Arthrodesis of shoulder

81.24 Arthrodesis of elbow

81.25 Carporadial fusion

81.26 Metacarpocarpal fusion

81.27 Metacarpophalangeal fusion

81.28 Interphalangeal fusion

81.29 Arthrodesis of other specified joints

81.3 Refusion of spine

   Note: Spine fusion is classified by the anatomic portion (column) fused and the technique (approach) used to perform the fusion.

   For the anterior column, the body (corpus) of adjacent vertebrae are fused (interbody fusion). The anterior column can be fused using an anterior, lateral, or posterior technique.

   For the posterior column, posterior structures of adjacent vertebrae are fused (pedicle, lamina, facet, transverse process, or "gutter" fusion). A posterior column fusion can be performed using a posterior, posterolateral, or lateral transverse technique.

   Includes: arthrodesis of spine with:
       bone graft
       internal fixation
       correction of pseudarthrosis of spine

   Code also any insertion of interbody spinal fusion device (84.51)
   any insertion of recombinant bone morphogenetic protein (84.52)
any synchronous excision of (locally) harvested bone for graft (77.70-77.79)
the total number of vertebrae fused (81.62-81.64)

81.30 Refusion of spine, not otherwise specified

81.31 Refusion of atlas-axis spine
   Craniocervical fusion by anterior, transoral, or posterior technique
   C1-C2 fusion by anterior, transoral, or posterior technique
   Occiput C2 fusion by anterior, transoral, or posterior technique

81.32 Refusion of other cervical spine, anterior column, anterior technique
   Arthrodesis of C2 level or below:
      anterior interbody fusion
      anterolateral technique

81.33 Refusion of other cervical spine, posterior column, posterior technique
   Arthrodesis of C2 level or below, posterolateral technique

81.34 Refusion of dorsal and dorsolumbar spine, anterior column, anterior technique
   Arthrodesis of thoracic or thoracolumbar region:
      anterior interbody fusion
      anterolateral technique
      Extracavitary technique

81.35 Refusion of dorsal and dorsolumbar spine, posterior column, posterior technique
   Arthrodesis of thoracic or thoracolumbar region, posterolateral technique

81.36 Refusion of lumbar and lumbosacral spine, anterior column, anterior technique
   Anterior lumbar interbody fusion (ALIF)
   Arthrodesis of lumbar or lumbosacral region:
      anterior interbody fusion
      anterolateral technique
      retroperitoneal
      transperitoneal
      Direct lateral interbody fusion [DLIF]
      Extreme lateral interbody fusion [XLIF]

81.37 Refusion of lumbar and lumbosacral spine, posterior column, posterior technique
   Facet fusion
   Posterior vertebral technique
   Transverse process technique

81.38 Refusion of lumbar and lumbosacral spine, anterior column, posterior technique
   Arthrodesis of lumbar or lumbosacral region, posterior interbody fusion
   Axial lumbar interbody fusion [AxialLIF]
   Posterior lumbar interbody fusion (PLIF)
   Transforaminal lumbar interbody fusion (TLIF)

81.39 Refusion of spine, not elsewhere classified

81.4 Other repair of joint of lower extremity

Includes: arthroplasty of lower extremity with:
   external traction or fixation
   graft of bone (chips) or cartilage
   internal fixation device

81.40 Repair of hip, not elsewhere classified
81.42 Five-in-one repair of knee
   Medial meniscectomy, medial collateral ligament repair, vastus medialis advancement, semitendinosus advancement, and pes anserinus transfer

81.43 Triad knee repair
   Medial meniscectomy with repair of the anterior cruciate ligament and the medial collateral ligament
   O'Donoghue procedure

81.44 Patellar stabilization
   Roux-Goldthwait operation for recurrent dislocation of patella

81.45 Other repair of the cruciate ligaments

81.46 Other repair of the collateral ligaments

81.47 Other repair of knee

81.49 Other repair of ankle

81.5 Joint replacement of lower extremity
Includes:
   arthroplasty of lower extremity with:
      external traction or fixation
      graft of bone (chips) or cartilage
      internal fixation device or prosthesis

Note: removal of prior prosthesis - *omit code*

81.51 Total hip replacement
   Replacement of both femoral head and acetabulum by prosthesis
   Total reconstruction of hip

Code also any type of bearing surface, if known (00.74-00.77)

81.52 Partial hip replacement
   Bipolar endoprosthesis

Code also any type of bearing surface, if known (00.74-00.77)

81.53 Revision of hip replacement, not otherwise specified
   Revision of hip replacement, not specified as to components(s) replaced, (acetabular, femoral or both)

Code also any:
   removal of (cement)(joint) spacer (84.57)
   type of bearing surface, if known (00.74-00.77)

Excludes: revision of hip replacement, components specified (00.70-00.73)

81.54 Total knee replacement
   Bicompartmental
   Partial knee replacement
   Tricompartmental
   Unicompartmental (hemijoint)

81.55 Revision of knee replacement, not otherwise specified

Code also any removal of (cement) spacer (84.57)

Excludes: arthrodesis of knee (81.22)
revision of knee replacement, components specified (00.80-00.84)

81.56 Total ankle replacement
81.57 Replacement of joint of foot and toe
81.59 Revision of joint replacement of lower extremity, not elsewhere classified

81.6 Other procedures on spine

Note: Number of vertebrae

The vertebral spine consists of 25 vertebrae in the following order and number:
Cervical: C1 (atlas), C2 (axis), C3, C4, C5, C6, C7
Thoracic or Dorsal: T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12
Lumbar and Sacral: L1, L2, L3, L4, L5, S1

Coders should report only one code from the series 81.62 or 81.63 or 81.64 to show the total number of vertebrae fused on the patient.
Code also the level and approach of the fusion or refusion (81.00-81.08, 81.30-81.39)

81.62 Fusion or refusion of 2-3 vertebrae
81.63 Fusion or refusion of 4-8 vertebrae
81.64 Fusion or refusion of 9 or more vertebrae
81.65 Percutaneous vertebroplasty
   Injection of bone void filler (cement) (polymethylmethacrylate) (PMMA) into the diseased or fractured vertebral body

Excludes: percutaneous vertebral augmentation (81.66)

81.66 Percutaneous vertebral augmentation
   Insertion of inflatable balloon, bone tamp, or other device displacing (removing) (compacting) bone to create a space (cavity) (void) prior to the injection of bone void filler (cement) (polymethylmethacrylate) (PMMA) or other substance

   Arcuplasty
   Kyphoplasty
   SKyphoplasty
   Spineoplasty

Excludes: percutaneous vertebroplasty (81.65)

81.7 Arthroplasty and repair of hand, fingers and wrist

Includes: arthroplasty of hand and finger with:
   external traction or fixation
   graft of bone (chips) or cartilage
   internal fixation device or prosthesis

Excludes: operations on muscle, tendon and fascia of hand (82.01-82.99)

81.71 Arthroplasty of metacarpophalangeal and interphalangeal joint with implant
81.72 Arthroplasty of metacarpophalangeal and interphalangeal joint without implant
81.73 Total wrist replacement
81.74  Arthroplasty of carpocarpal or carpometacarpal joint with implant
81.75  Arthroplasty of carpocarpal or carpometacarpal joint without implant
81.79  Other repair of hand, fingers and wrist

81.8  Arthroplasty and repair of shoulder and elbow
Includes: arthroplasty of upper limb NEC with:
  external traction or fixation
  graft of bone (chips) or cartilage
  internal fixation device or prosthesis

81.80  Other total shoulder replacement
Excludes: reverse total shoulder replacement (81.88)

81.81  Partial shoulder replacement

81.82  Repair of recurrent dislocation of shoulder

81.83  Other repair of shoulder

81.84  Total elbow replacement
  Partial elbow replacement

81.85  Other repair of elbow

81.88  Reverse total shoulder replacement
  Reverse ball-and-socket of the shoulder
Excludes: conversion of prior (failed) total shoulder replacement (arthroplasty) to reverse total
  shoulder replacement (81.97)

81.9  Other operations on joint structures

81.91  Arthrocentesis
  Joint aspiration
Excludes: that for:
  arthrography (88.32)
  biopsy of joint structure 80.30-80.39
  injection of drug (81.92)

81.92  Injection of therapeutic substance into joint or ligament

81.93  Suture of capsule or ligament of upper extremity
Excludes: that associated wit arthroplasty (81.71-81.75, 81.80-81.81, 81.84)

81.94  Suture of capsule or ligament of ankle and foot
Excludes: that associated wit arthroplasty (81.56-81.59)

81.95  Suture of capsule or ligament of other lower extremity
Excludes: that associated wit arthroplasty (81.51-81.55, 81.59)

81.96  Other repair of joint

81.97  Revision of joint replacement of upper extremity
  Partial
  Removal of cement spacer
  Revision of arthroplasty of shoulder
### 81 Other diagnostic procedures on joint structures

- Total
- **81.98** Other diagnostic procedures on joint structures
  - Excludes: arthroscopy (80.20-80.29)
  - biopsy of joint structure (80.30-80.39)
  - microscopic examination of specimen from joint (91.51-91.59)
  - thermography (88.83)
  - x-ray (87.21-87.29, 88.21-88.33)

### 81.99 Other

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### 82 Operations on muscle, tendon, and fascia of hand

- Includes: operations on:
  - aponeurosis
  - synovial membrane (tendon sheath)
  - tendon sheath

### 82.0 Incision of muscle, tendon, fascia, and bursa of hand

- **82.01** Exploration of tendon sheath of hand
  - Incision of tendon sheath of hand
  - Removal of rice bodies in tendon sheath of hand
  - Excludes: division of tendon (82.11)

- **82.02** Myotomy of hand
  - Excludes: myotomy for division (82.19)

- **82.03** Bursotomy of hand

- **82.04** Incision and drainage of palmar or thenar space

- **82.09** Other incision of soft tissue of hand
  - Excludes: incision of skin an subcutaneous tissue alone (86.01-86.09)

### 82.1 Division of muscle, tendon, and fascia of hand

- **82.11** Tenotomy of hand
  - Division of tendon of hand

- **82.12** Fasciotomy of hand
  - Division of fascia of hand

- **82.19** Other division of soft tissue of hand
  - Division of muscle of hand

### 82.2 Excision of lesion of muscle, tendon, and fascia of hand

- **82.21** Excision of lesion of tendon sheath of hand
  - Ganglionectomy of tendon sheath (wrist)

- **82.22** Excision of lesion of muscle of hand

- **82.29** Excision of other lesion of soft tissue of hand
  - Excludes: excision of lesion of skin and subcutaneous tissue (86.21-86.3)

### 82.3 Other excision of soft tissue of hand

Code also any skin graft (86.61-86.62, 86.73)
Excludes: excision of skin and subcutaneous tissue (86.21-86.3)

82.31 Bursectomy of hand

82.32 Excision of tendon of hand for graft

82.33 Other tenonectomy of hand
Tenosynovectomy of hand

Excludes: excision of lesion of:
tendon (82.29)
sheath (82.21)

82.34 Excision of muscle or fascia of hand for graft

82.35 Other fasciectomy of hand
Release of Dupuytren's contracture

Excludes: excision of lesion of fascia (82.29)

82.36 Other myectomy of hand

Excludes: excision of lesion of muscle (82.22)

82.39 Other excision of soft tissue of hand

Excludes: excision of skin (86.21-86.3)
excision of soft tissue lesion (82.29)

82.4 Suture of muscle, tendon, and fascia of hand

82.41 Suture of tendon sheath of hand

82.42 Delayed suture of flexor tendon of hand

82.43 Delayed suture of other tendon of hand

82.44 Other suture of flexor tendon of hand

Excludes: delayed suture of flexor tendon of hand (82.42)

82.45 Other suture of other tendon of hand

Excludes: delayed suture of other tendon of hand (82.43)

82.46 Suture of muscle or fascia of hand

82.5 Transplantation of muscle and tendon of hand

82.51 Advancement of tendon of hand

82.52 Recession of tendon of hand

82.53 Reattachment of tendon of hand

82.54 Reattachment of muscle of hand

82.55 Other change in hand muscle or tendon length

82.56 Other hand tendon transfer or transplantation

Excludes: pollicization of thumb (82.61)
transfer of finger, except thumb (82.81)

82.57 Other hand tendon transposition
82.58 Other hand muscle transfer or transplantation
82.59 Other hand muscle transposition

82.6 Reconstruction of thumb
Includes: digital transfer to act as thumb
Code also any amputation for digital transfer (84.01, 84.11)

82.61 Pollicization operation carrying over nerves and blood supply
82.69 Other reconstruction of thumb
"Cocked-hat" procedure [skin flap and bone]
Grafts:
  bone to thumb skin (pedicle) to thumb

82.7 Plastic operation on hand with graft or implant

82.71 Tendon pulley reconstruction
  Reconstruction for opponensplasty
82.72 Plastic operation on hand with graft of muscle or fascia
82.79 Plastic operation on hand with other graft or implant
  Tendon graft to hand

82.8 Other plastic operations on hand

82.81 Transfer of finger, except thumb
Excludes: pollicization of thumb (82.61)
82.82 Repair of cleft hand
82.83 Repair of macrodactyly
82.84 Repair of mallet finger
82.85 Other tenodesis of hand
  Tendon fixation of hand NOS
82.86 Other tenoplasty of hand
  Myotenoplasty of hand
82.89 Other plastic operations on hand
  Plication of fascia
  Repair of fascial hernia
Excludes: that with graft or implant (82.71-82.79)

82.9 Other operations on muscle, tendon, and fascia of hand
Excludes: diagnostic procedures on soft tissue of hand (83.21-83.29)

82.91 Lysis of adhesions of hand
  Freeing of adhesions of fascia, muscle, and tendon of hand
Excludes: decompression of carpal tunnel (04.43)
  that by stretching or manipulation only (93.26)
82.92 Aspiration of bursa of hand
82.93 Aspiration of other soft tissue of hand
Excludes: skin and subcutaneous tissue (86.01)

82.94 Injection of therapeutic substance into bursa of hand
82.95 Injection of therapeutic substance into tendon of hand
82.96 Other injection of locally-acting therapeutic substance into soft tissue of hand
Excludes: subcutaneous or intramuscular injection (99.11-99.29)
82.99 Other operations on muscle, tendon, and fascia of hand

83 Operations on muscle, tendon, fascia, and bursa, except hand

Includes: operations on:
- aponeurosis
- synovial membrane of bursa and tendon sheaths
- tendon sheaths

Excludes: diaphragm (34.81-34.89)
- hand (82.01-82.99)
- muscles of eye (15.01-15.9)

83.0 Incision of muscle, tendon, fascia, and bursa

83.01 Exploration of tendon sheath
- Incision of tendon sheath
- Removal of rice bodies from tendon sheath

83.02 Myotomy
Excludes: cricopharyngeal myotomy (29.31)

83.03 Bursotomy
- Removal of calcareous deposit of bursa
Excludes: aspiration of burs (percutaneous) (83.94)

83.09 Other incision of soft tissue
- Incision of fascia
Excludes: incision of skin and subcutaneous tissue alone (86.01-86.09)

83.1 Division of muscle, tendon, and fascia

83.11 Achillotenotomy

83.12 Adductor tenotomy of hip

83.13 Other tenotomy
- Aponeurotomy
- Division of tendon
- Tendon release
- Tendon transection
- Tenotomy for thoracic outlet decompression

83.14 Fasciotomy
- Division of fascia
- Division of iliotibial band
- Fascia stripping
- Release of Volkmann's contracture by fasciotomy

83.19 Other division of soft tissue
Division of muscle
Muscle release
Myotomy for thoracic outlet decompression
Myotomy with division
Scalenotomy
Transection of muscle

83.2 Diagnostic procedures on muscle, tendon, fascia, and bursa, including that of hand

83.21 Open biopsy of soft tissue
Excludes: biopsy of chest wall (34.23)
closed biopsy of skin and subcutaneous tissue (86.11)

83.29 Other diagnostic procedures on muscle, tendon, fascia, and bursa, including that of hand
Excludes: microscopic examination of specimen (91.51-91.59)
soft tissue x-ray (87.09, 87.38-87.39, 88.09, 88.35, 88.37)
thermography of muscle (88.84)

83.3 Excision of lesion of muscle, tendon, fascia, and bursa
Excludes: biopsy of soft tissue (83.21)

83.31 Excision of lesion of tendon sheath
Excision of ganglion of tendon sheath, except of hand

83.32 Excision of lesion of muscle
Excision of:
heterotopic bone
muscle scar for release of Volkmann's contracture
myositis ossificans

83.39 Excision of lesion of other soft tissue
Excision of Baker's cyst
Excludes: bursectomy (83.5)
excision of lesion of skin and subcutaneous tissue (86.3)
synovectomy (80.70-80.79)

83.4 Other excision of muscle, tendon, and fascia

83.41 Excision of tendon for graft

83.42 Other tenonectomy
Excision of:
aponeurosis
tendon sheath
Tenosynovectomy

83.43 Excision of muscle or fascia for graft

83.44 Other fasciectomy

83.45 Other myectomy
Debridement of muscle NOS
Scalenectomy

83.49 Other excision of soft tissue

83.5 Bursectomy
83.6  Suture of muscle, tendon, and fascia
- 83.61  Suture of tendon sheath
- 83.62  Delayed suture of tendon
- 83.63  Rotator cuff repair
- 83.64  Other suture of tendon
  - Achillorrhaphy
  - Aponeurorrhaphy

Excludes: delayed suture of tendon (83.62)

- 83.65  Other suture of muscle or fascia
  - Repair of diastasis recti

83.7  Reconstruction of muscle and tendon
Excludes: reconstruction of muscle and tendon associated with arthroplasty
- 83.71  Advancement of tendon
- 83.72  Recession of tendon
- 83.73  Reattachment of tendon
- 83.74  Reattachment of muscle
- 83.75  Tendon transfer or transplantation
- 83.76  Other tendon transposition
- 83.77  Muscle transfer or transplantation
  - Release of Volkmann's contracture by muscle transplantation
- 83.79  Other muscle transposition

83.8  Other plastic operations on muscle, tendon, and fascia
Excludes: plastic operations on muscle, tendon, and fascia associated with arthroplasty
- 83.81  Tendon graft
- 83.82  Graft of muscle or fascia
- 83.83  Tendon pulley reconstruction
- 83.84  Release of clubfoot, not elsewhere classified
  - Evans operation on clubfoot
- 83.85  Other change in muscle or tendon length
  - Hamstring lengthening
  - Heel cord shortening
  - Plastic achillotenotomy
  - Tendon plication
- 83.86  Quadricepsplasty
- 83.87  Other plastic operations on muscle
  - Musculoplasty
  - Myoplasty
83.88 Other plastic operations on tendon
   Myotenoplasty
   Tendon fixation
   Tenodesis
   Tenoplasty

83.89 Other plastic operations on fascia
   Fascia lengthening
   Fascioplasty
   Plication of fascia

83.9 Other operations on muscle, tendon, fascia, and bursa
Excludes: nonoperative:
   manipulation (93.25-93.29)
   stretching (93.27-93.29)

83.91 Lysis of adhesions of muscle, tendon, fascia, and bursa
Excludes: that for tarsal tunnel syndrome (04.44)

83.92 Insertion or replacement of skeletal muscle stimulator
   Implantation, insertion, placement, or replacement of skeletal muscle:
      electrodes
      stimulator

83.93 Removal of skeletal muscle stimulator

83.94 Aspiration of bursa

83.95 Aspiration of other soft tissue
Excludes: that of skin and subcutaneous tissue (86.01)

83.96 Injection of therapeutic substance into bursa

83.97 Injection of therapeutic substance into tendon

83.98 Injection of locally-acting therapeutic substance into other soft tissue
Excludes: subcutaneous or intramuscular injection (99.11-99.29)

83.99 Other operations on muscle, tendon, fascia, and bursa
   Suture of bursa

84 Other procedures on musculoskeletal system

84.0 Amputation of upper limb
Excludes: revision of amputation stump (84.3)

84.00 Upper limb amputation, not otherwise specified
   Closed flap amputation of upper limb NOS
   Kineplastic amputation of upper limb NOS
   Open or guillotine amputation of upper limb NOS
   Revision of current traumatic amputation of upper limb NOS

84.01 Amputation and disarticulation of finger
Excludes: ligation of supernumerary finge (86.26)

84.02 Amputation and disarticulation of thumb
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>84.03</td>
<td>Amputation through hand</td>
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<tr>
<td></td>
<td>Amputation through carpals</td>
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<tr>
<td>84.04</td>
<td>Disarticulation of wrist</td>
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<tr>
<td>84.05</td>
<td>Amputation through forearm</td>
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<tr>
<td></td>
<td>Forearm amputation</td>
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<tr>
<td>84.06</td>
<td>Disarticulation of elbow</td>
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<td>84.07</td>
<td>Amputation through humerus</td>
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<tr>
<td></td>
<td>Upper arm amputation</td>
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<tr>
<td>84.08</td>
<td>Disarticulation of shoulder</td>
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<tr>
<td>84.09</td>
<td>Interthoracoscapular amputation</td>
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<td></td>
<td>Forequarter amputation</td>
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<tr>
<td>84.1</td>
<td>Amputation of lower limb</td>
</tr>
<tr>
<td></td>
<td>Excludes: revision of amputation stump (84.3)</td>
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<tr>
<td>84.10</td>
<td>Lower limb amputation, not otherwise specified</td>
</tr>
<tr>
<td></td>
<td>Closed flap amputation of lower limb NOS</td>
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<tr>
<td></td>
<td>Kineplastic amputation of lower limb NOS</td>
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<tr>
<td></td>
<td>Open or guillotine amputation of lower limb NOS</td>
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<tr>
<td></td>
<td>Revision of current traumatic amputation of lower limb NOS</td>
</tr>
<tr>
<td>84.11</td>
<td>Amputation of toe</td>
</tr>
<tr>
<td></td>
<td>Amputation through metatarsophalangeal joint</td>
</tr>
<tr>
<td></td>
<td>Disarticulation of toe</td>
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<tr>
<td></td>
<td>Metatarsal head amputation</td>
</tr>
<tr>
<td></td>
<td>Ray amputation of foot (disarticulation of the metatarsal head of the toe extending across the forefoot just proximal to the metatarsophalangeal crease)</td>
</tr>
<tr>
<td></td>
<td>Excludes: ligation of supernumerary toe (86.26)</td>
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<tr>
<td>84.12</td>
<td>Amputation through foot</td>
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<tr>
<td></td>
<td>Amputation of forefoot</td>
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<td></td>
<td>Amputation through middle of foot</td>
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<td></td>
<td>Chopart's amputation</td>
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<td></td>
<td>Midtarsal amputation</td>
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<tr>
<td></td>
<td>Transmetatarsal amputation (amputation of the forefoot, including all the toes)</td>
</tr>
<tr>
<td></td>
<td>Excludes: Ray amputation of foot (84.11)</td>
</tr>
<tr>
<td>84.13</td>
<td>Disarticulation of ankle</td>
</tr>
<tr>
<td>84.14</td>
<td>Amputation of ankle through malleoli of tibia and fibula</td>
</tr>
<tr>
<td>84.15</td>
<td>Other amputation below knee</td>
</tr>
<tr>
<td></td>
<td>Amputation of leg through tibia and fibula NOS</td>
</tr>
<tr>
<td>84.16</td>
<td>Disarticulation of knee</td>
</tr>
<tr>
<td></td>
<td>Batch, Spitler, and McFaddin amputation</td>
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<td></td>
<td>Mazet amputation</td>
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<td></td>
<td>S.P. Roger's amputation</td>
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<tr>
<td>84.17</td>
<td>Amputation above knee</td>
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<tr>
<td></td>
<td>Amputation of leg through femur</td>
</tr>
<tr>
<td></td>
<td>Amputation of thigh</td>
</tr>
</tbody>
</table>
84.18 Disarticulation of hip

84.19 Abdominopelvic amputation
   Hemipelvectomy
   Hindquarter amputation

84.2 Reattachment of extremity
   84.21 Thumb reattachment
   84.22 Finger reattachment
   84.23 Forearm, wrist, or hand reattachment
   84.24 Upper arm reattachment
      Reattachment of arm NOS
   84.25 Toe reattachment
   84.26 Foot reattachment
   84.27 Lower leg or ankle reattachment
      Reattachment of leg NOS
   84.28 Thigh reattachment
   84.29 Other reattachment

84.3 Revision of amputation stump
   Reamputation of stump
   Secondary closure of stump
  Trimming of stump

Excludes: revision of current traumatic amputation [revision by further amputation of current injury]
(84.00-84.19, 84.91)

84.4 Implantation or fitting of prosthetic limb device
   84.40 Implantation or fitting of prosthetic limb device, not otherwise specified
   84.41 Fitting of prosthesis of upper arm and shoulder
   84.42 Fitting of prosthesis of lower arm and hand
   84.43 Fitting of prosthesis of arm, not otherwise specified
   84.44 Implantation of prosthetic device of arm
   84.45 Fitting of prosthesis above knee
   84.46 Fitting of prosthesis below knee
   84.47 Fitting of prosthesis of leg, not otherwise specified
   84.48 Implantation of prosthetic device of leg

84.5 Implantation of other musculoskeletal devices and substances

Excludes: insertion of (non-fusion) spinal disc replacement device (84.60-84.69)
84.51 Insertion of interbody spinal fusion device
   Insertion of: cages (carbon, ceramic, metal, plastic or titanium)
   interbody fusion cage
   synthetic cages or spacers
   threaded bone dowels

Code also refusion of spine (81.30-81.39)
Code also spinal fusion (81.00-81.08)

84.52 Insertion of recombinant bone morphogenetic protein
   rhBMP
   That via collagen sponge, coral, ceramic and other carriers

Code also primary procedure performed:
   fracture repair  (79.00-79.99)
   spinal fusion (81.00-81.08)
   spinal refusion (81.30-81.39)

84.53 Implantation of internal limb lengthening device with kinetic distraction

Code also limb lengthening procedure (78.30-78.39)

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)

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 percutaneous vertebral augmentation (81.66)
           that with percutaneous vertebroplasty (81.65)

84.56 Insertion or replacement of (cement) spacer
   Insertion or replacement of joint (methylmethacrylate) spacer

84.57 Removal of (cement) spacer
   Removal of joint (methylmethacrylate) spacer

84.59 Insertion of other spinal devices

Excludes: initial insertion of pedicle screws with spinal fusion-omit code
           insertion of facet replacement device(s) (84.84)
           insertion of interspinous process device(s) (84.80)
           insertion of pedicle-based dynamic stabilization device(s) (84.82)

84.6 Replacement of spinal disc

Includes:  non-fusion arthroplasty of the spine with insertion of artificial disc prosthesis

84.60 Insertion of spinal disc prosthesis, not otherwise specified
   Replacement of spinal disc, NOS

Includes:  diskectomy (discectomy)

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)

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)

84.63 Insertion of spinal disc prosthesis, thoracic
Artificial disc prosthesis (flexible), thoracic
Replacement of thoracic spinal disc, partial or total

Includes: diskectomy (discectomy)

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)

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)

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

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

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

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

84.7 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)

84.71 Application of external fixator device, monoplanar system
Excludes: other hybrid device or system (84.73)
ring device or system (84.72)

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)

84.73 Application of hybrid external fixator device
Computer (assisted) (dependent) 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)

84.81 Insertion, replacement and revision of posterior spinal motion preservation device(s)
Dynamic spinal stabilization device(s)

Includes any synchronous facetectomy (partial, total) performed at the same level
Code also any synchronous surgical decompression (foraminotomy, laminectomy, laminotomy), if performed (03.09)
Excludes: fusion of spine (81.00-81.08, 81.30-81.39)
insertion of artificial disc prosthesis (84.60-84.69)
insertion of interbody spinal fusion device (84.51)

84.80 Insertion or replacement of interspinous process device(s)
Interspinous process decompression device(s)
Interspinous process distraction device(s)
Excludes: insertion or replacement of facet replacement device (84.84)
insertion or replacement of pedicle-based dynamic stabilization device (84.82)

84.81 Revision of interspinous process device(s)
Repair of previously inserted interspinous process device(s)
Excludes: revision of facet replacement device(s) (84.85)
revision of pedicle-based dynamic stabilization device (84.83)

84.82 Insertion or replacement of pedicle-based dynamic stabilization device(s)
Excludes: initial insertion of pedicle screws with spinal fusion - omit code
insertion or replacement of facet replacement device(s) (84.84)
insertion or replacement of interspinous process device(s) (84.80)
replacement of pedicle screws used in spinal fusion (78.59)

84.83 Revision of pedicle-based dynamic stabilization device(s)
Repair of previously inserted pedicle-based dynamic stabilization device(s)
Excludes: removal of pedicle screws used in spinal fusion (78.69)
replacement of pedicle screws used in spinal fusion (78.59)
revision of facet replacement device(s) (84.85)
revision of interspinous process device(s) (84.81)

84.84 Insertion or replacement of facet replacement device(s)
Facet arthroplasty
Excludes: initial insertion of pedicle screws with spinal fusion- omit code
insertion or replacement of interspinous process device(s) (84.80)
insertion or replacement of pedicle-based dynamic stabilization device(s) (84.82)
replacement of pedicle screws used in spinal fusion (78.59)

84.85 Revision of facet replacement device(s)
Repair of previously inserted facet replacement device(s)
Excludes: removal of pedicle screws used in spinal fusion (78.69)
replacement of pedicle screws used in spinal fusion (78.59)
revision of interspinous process device(s) (84.81)
revision of pedicle-based dynamic stabilization device(s) (84.83)

84.9 Other operations on musculoskeletal system
Excludes: nonoperative manipulation (93.25-93.29)

84.91 Amputation, not otherwise specified

84.92 Separation of equal conjoined twins

84.93 Separation of unequal conjoined twins
Separation of conjoined twins NOS

84.94 Insertion of sternal fixation device with rigid plates
Excludes: insertion of sternal fixation device for internal fixation of fracture (79.39)
internal fixation of bone without fracture reduction (78.59)

84.99 Other

15. OPERATIONS ON THE INTEGUMENTARY SYSTEM (85-86)

85 Operations on the breast
Includes: operations on the skin and subcutaneous tissue of:
breast female or male
previous mastectomy site female or male
revision of previous mastectomy site

85.0 Mastotomy
Incision of breast (skin)
Mammotomy
Excludes: aspiration of breast (85.91)
removal of implant (85.94)

85.1 Diagnostic procedures on breast
85.11 Closed [percutaneous] [needle] biopsy of breast
85.12 Open biopsy of breast
85.19 Other diagnostic procedures on breast
Excludes: mammary ductogram (87.35)
mammography NEC (87.37)
manual examination (89.36)
microscopic examination of specimen (91.61-91.69)
thermography (88.85)
ultrasonography (88.73)
exerography (87.36)

85.2 Excision or destruction of breast tissue
Excludes: mastectomy (85.41-85.48)
         reduction mammoplasty (85.31-85.32)

  85.20 Excision or destruction of breast tissue, not otherwise specified
Excludes: laser interstitial thermal therapy [LITT] of lesion or tissue of breast under guidance (17.69)

  85.21 Local excision of lesion of breast
     Lumpectomy
     Removal of area of fibrosis from breast
Excludes: biopsy of breast (85.11-85.12)

  85.22 Resection of quadrant of breast

  85.23 Subtotal mastectomy
Excludes: quadrant resection (85.22)

  85.24 Excision of ectopic breast tissue
     Excision of accessory nipple

  85.25 Excision of nipple
Excludes: excision of accessory nipple (85.24)

85.3 Reduction mammoplasty and subcutaneous mammectomy

  85.31 Unilateral reduction mammoplasty
     Unilateral:
     amputative mammoplasty
     size reduction mammoplasty

  85.32 Bilateral reduction mammoplasty
     Amputative mammoplasty
     Reduction mammoplasty (for gynecomastia)

  85.33 Unilateral subcutaneous mammectomy with synchronous implant
Excludes: that without synchronous implan (85.34)

  85.34 Other unilateral subcutaneous mammectomy
     Removal of breast tissue with preservation of skin and nipple
     Subcutaneous mammectomy NOS

  85.35 Bilateral subcutaneous mammectomy with synchronous implant
Excludes: that without synchronous implan (85.36)

  85.36 Other bilateral subcutaneous mammectomy

85.4 Mastectomy

  85.41 Unilateral simple mastectomy
     Mastectomy:
     NOS
     complete
85.42 Bilateral simple mastectomy
   Bilateral complete mastectomy

85.43 Unilateral extended simple mastectomy
   Extended simple mastectomy NOS
   Modified radical mastectomy
   Simple mastectomy with excision of regional lymph nodes

85.44 Bilateral extended simple mastectomy

85.45 Unilateral radical mastectomy
   Excision of breast, pectoral muscles, and regional lymph nodes [axillary, clavicular, supraclavicular]
   Radical mastectomy NOS

85.46 Bilateral radical mastectomy

85.47 Unilateral extended radical mastectomy
   Excision of breast, muscles, and lymph nodes [axillary, clavicular, supraclavicular, internal mammary, and mediastinal]
   Extended radical mastectomy NOS

85.48 Bilateral extended radical mastectomy

85.5 Augmentation mammoplasty
Excludes: that associated with subcutaneous mammectomy (85.33, 85.35)

85.50 Augmentation mammoplasty, not otherwise specified

85.51 Unilateral injection into breast for augmentation
Excludes: injection of fat graft of breast (85.55)

85.52 Bilateral injection into breast for augmentation
   Injection into breast for augmentation NOS
Excludes: injection of fat graft of breast (85.55)

85.53 Unilateral breast implant

85.54 Bilateral breast implant
   Breast implant NOS

85.55 Fat graft to breast
   Includes: extraction of fat for autologous graft
   Autologous fat transplantation or transfer
   Fat graft to breast NOS
   Fat graft to breast with or without use of enriched graft
   Micro-fat grafting
Excludes: that with reconstruction of breast (85.70-85.79)

85.6 Mastopexy

85.7 Total reconstruction of breast

85.70 Total reconstruction of breast, not otherwise specified
   Perforator flap, free

85.71 Latissimus dorsi myocutaneous flap
85.72 Transverse rectus abdominis myocutaneous (TRAM) flap, pedicled
Excludes: transverse rectus abdominis myocutaneous (TRAM) flap, free (85.73)

85.73 Transverse rectus abdominis myocutaneous (TRAM) flap, free
Excludes: transverse rectus abdominis myocutaneous (TRAM) flap, pedicled (85.72)

85.74 Deep inferior epigastric artery perforator (DIEP) flap, free

85.75 Superficial inferior epigastric artery (SIEA) flap, free

85.76 Gluteal artery perforator (GAP) flap, free

85.79 Other total reconstruction of breast
Excludes: deep inferior epigastric artery perforator (DIEP) flap, free (85.74)
        gluteal artery perforator flap, free (85.76)
        lastissimus dorsi myocutaneous flap (85.71)
        perforator flap, free (85.70)
        superficial inferior epigastric artery (SIEA) flap, free (85.75)
        total reconstruction of breast, not otherwise specified (85.70)
        transverse rectus abdominis myocutaneous (TRAM) flap, free (85.73)
        transverse rectus abdominis myocutaneous (TRAM) flap, pedicled (85.72)

85.8 Other repair and plastic operations on breast
Excludes: that for:
        augmentation (85.50-85.54)
        reconstruction (85.70-85.76, 85.79)
        reduction (85.31-85.32)

85.81 Suture of laceration of breast

85.82 Split-thickness graft to breast

85.83 Full-thickness graft to breast

85.84 Pedicle graft to breast

85.85 Muscle flap graft to breast

85.86 Transposition of nipple

85.87 Other repair or reconstruction of nipple

85.89 Other mammoplasty

85.9 Other operations on the breast

85.91 Aspiration of breast
Excludes: percutaneous biopsy of breast (85.11)

85.92 Injection of therapeutic agent into breast
Excludes: that for augmentation of breast (85.51-85.52, 85.55)

85.93 Revision of implant of breast

85.94 Removal of implant of breast

85.95 Insertion of breast tissue expander
Insertion (soft tissue) of tissue expander (one or more) under muscle or platysma to develop skin flaps for donor use

85.96 Removal of breast tissue expander

85.99 Other

86 Operations on skin and subcutaneous tissue

Includes: operations on:
  - hair follicles
  - male perineum
  - nails
  - sebaceous glands
  - subcutaneous fat pads
  - sudoriferous glands
  - superficial fossae

Excludes: those on skin of:
  - anus (49.01-49.99)
  - breast (mastectomy site) (85.0-85.99)
  - ear (18.01-18.9)
  - eyebrow (08.01-08.99)
  - eyelid (08.01-08.99)
  - female perineum (71.01-71.9)
  - lips (27.0-27.99)
  - nose (21.00-21.99)
  - penis (64.0-64.99)
  - scrotum (61.0-61.99)
  - vulva (71.01-71.9)

86.0 Incision of skin and subcutaneous tissue

86.01 Aspiration of skin and subcutaneous tissue
  Aspiration of:
    - abscess of nail, skin, or subcutaneous tissue
    - hematoma of nail, skin, or subcutaneous tissue
    - seroma of nail, skin, or subcutaneous tissue

86.02 Injection or tattooing of skin lesion or defect
  - Injection of filling material
  - Insertion of filling material
  - Pigmenting of skin of filling material

86.03 Incision of pilonidal sinus or cyst
  Excludes: marsupialization (86.21)

86.04 Other incision with drainage of skin and subcutaneous tissue
  Excludes: drainage of:
    - fascial compartments of face and mouth (27.0)
    - palmar or thenar space (82.04)
    - pilonidal sinus or cyst (86.03)

86.05 Incision with removal of foreign body or device from skin and subcutaneous tissue
  - Removal of carotid sinus baroreflex activation device
  - Removal of loop recorder
  - Removal of neurostimulator pulse generator (single array, dual array)
  - Removal of tissue expander(s) from skin or soft tissue other than breast tissue
Excludes: removal of foreign body without incision (98.20-98.29)

86.06 Insertion of totally implantable infusion pump
Code also any associated catheterization
Excludes: insertion of totally implantable vascular access device (86.07)

86.07 Insertion of totally implantable vascular access device [VAD]
   Totally implanted port
Excludes: insertion of totally implantable infusion pump (86.06)

86.09 Other incision of skin and subcutaneous tissue
   Creation of thalamic stimulator pulse generator pocket, new site
   Escharotomy
   Exploration:
   sinus tract, skin
   superficial fossa
   Relocation of subcutaneous device pocket NEC
   Reopening subcutaneous pocket for device revision without replacement
   Undercutting of hair follicle
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)
that for drainage (86.04)
that of:
   cardiac pacemaker pocket, new site (37.79)
   fascial compartments of face and mouth (27.0)

86.1 Diagnostic procedures on skin and subcutaneous tissue

86.11 Closed biopsy of skin and subcutaneous tissue

86.19 Other diagnostic procedures on skin and subcutaneous tissue
Excludes: microscopic examination of specimen from skin and subcutaneous tissue (91.61-91.79)

86.2 Excision or destruction of lesion or tissue of skin and subcutaneous tissue

86.21 Excision of pilonidal cyst or sinus
   Marsupialization of cyst
Excludes: incision of pilonidal cyst or sinus (86.03)

86.22 Excisional debridement of wound, infection, or burn
   Removal by excision of:
   devitalized tissue
   necrosis
   slough
Excludes: debridement of:
   abdominal wall (wound) (54.3)
   bone (77.60-77.69)
   muscle (83.45)
   of hand (82.36)
   nail (bed) (fold) (86.27)
   nonexcisional debridement of wound, infection, or burn (86.28)
   open fracture site (79.60-79.69)
   pedicle or flap graft (86.75)
86.23 Removal of nail, nail bed, or nail fold

86.24 Chemosurgery of skin
   Chemical peel of skin

86.25 Dermabrasion
   That with laser
   Excludes: dermabrasion of wound to remove embedded debris (86.28)

86.26 Ligation of dermal appendage
   Excludes: excision of preauricula appendage (18.29)

86.27 Debridement of nail, nail bed, or nail fold
   Removal of:
   - necrosis
   - slough
   Excludes: removal of nail, nail bed, or nail fold (86.23)

86.28 Nonexcisional debridement of wound, infection or burn
   Debridement NOS
   Maggot therapy
   Removal of devitalized tissue, necrosis and slough by such methods as:
   - brushing
   - irrigation (under pressure)
   - scrubbing
   - washing
   - Ultrasonic debridement
   - Water scalpel (jet)

86.3 Other local excision or destruction of lesion or tissue of skin and subcutaneous tissue
   Destruction of skin by:
   - cauterization
   - cryosurgery
   - fulguration
   - laser beam
   That with Z-plasty
   Excludes:  adipectomy (86.83)
              biopsy of skin (86.11)
              wide or radical excision of skin (86.4)
              Z-plasty without excision (86.84)

86.4 Radical excision of skin lesion
   Wide excision of skin lesion involving underlying or adjacent structure
   Code also any lymph node dissection (40.3-40.5)

86.5 Suture or other closure of skin and subcutaneous tissue

86.51 Replantation of scalp

86.59 Closure of skin and subcutaneous tissue of other sites
   Adhesives (surgical) (tissue)
   Staples
   Sutures
   Excludes: application of adhesive strips (butterfly) - omit code

86.6 Free skin graft
   Includes: excision of skin for autogenous graft
Excludes: construction or reconstruction of:
   penis (64.43-64.44)
   trachea (31.75)
   vagina (70.61-70.64)

86.60 Free skin graft, not otherwise specified

86.61 Full-thickness skin graft to hand
Excludes: heterograft (86.65)
         homograft (86.66)

86.62 Other skin graft to hand
Excludes: heterograft (86.65)
         homograft (86.66)

86.63 Full-thickness skin graft to other sites
Excludes: heterograft (86.65)
         homograft (86.66)

86.64 Hair transplant
Excludes: hair follicle transplant to eyebrow or eyelash (08.63)

86.65 Heterograft to skin
   Pigskin graft
   Porcine graft
Excludes: application of dressing only (93.57)

86.66 Homograft to skin
   Graft to skin of:
      amnionic membrane from donor skin from donor

86.67 Dermal regenerative graft
   Artificial skin, NOS
   Creation of "neodermis"
   Decellularized allografts
   Integumentary matrix implants
   Prosthetic implant of dermal layer of skin
   Regenerate dermal layer of skin
Excludes: heterograft to skin (86.65)
         homograft to skin (86.66)

86.69 Other skin graft to other sites
Excludes: heterograft (86.65)
         homograft (86.66)

86.7 Pedicle grafts or flaps
Excludes: construction or reconstruction of:
   penis (64.43-64.44)
   trachea (31.75)
   vagina (70.61-70.64)

86.70 Pedicle or flap graft, not otherwise specified

86.71 Cutting and preparation of pedicle grafts or flaps
   Elevation of pedicle from its bed
   Flap design and raising
Partial cutting of pedicle or tube
Pedicle delay
Excludes: pollicization or digita transfer (82.61, 82.81)
        revision of pedicle (86.75)
86.72 Advancement of pedicle graft
86.73 Attachment of pedicle or flap graft to hand
Excludes: pollicization or digita transfer (82.61, 82.81)
86.74 Attachment of pedicle or flap graft to other sites
        Attachment by:
        advanced flap
        double pedicled flap
        pedicle graft
        rotating flap
        sliding flap
        tube graft
86.75 Revision of pedicle or flap graft
        Debridement of pedicle or flap graft
        Defatting of pedicle or flap graft
86.8 Other repair and reconstruction of skin and subcutaneous tissue
86.81 Repair for facial weakness
86.82 Facial rhytidectomy
        Face lift
Excludes: rhytidectomy of eyelid (08.86-08.87)
86.83 Size reduction plastic operation
        Liposuction
        Reduction of adipose tissue of:
        abdominal wall (pendulous)
        arms (batwing)
        buttock
        thighs (trochanteric lipomatosis)
Excludes: breast (85.31-85.32)
        liposuction to harvest fat graft (86.90)
86.84 Relaxation of scar or web contracture of skin
        Z-plasty of skin
Excludes: Z-plasty with excision of lesio (86.3)
86.85 Correction of syndactyly
86.86 Onychoplasty
86.87 Fat graft of skin and subcutaneous tissue
        Includes: extraction of fat for autologous graft
        Autologous fat transplantation or transfer
        Fat graft to breast NOS
        Fat graft to breast with or without use of enriched graft
        Micro-fat grafting
Excludes: fat graft to breast (85.55)
86.89 Other repair and reconstruction of skin and subcutaneous tissue
   Excludes: mentoplasty (76.67-76.68)

86.9 Other operations on skin and subcutaneous tissue

86.90 Extraction of fat for graft or banking
   Harvest of fat for extraction of cells for future use
   Liposuction to harvest fat graft
   Excludes: that with graft at same operative episode (85.55, 86.87)

86.91 Excision of skin for graft
   Excision of skin with closure of donor site
   Excludes: that with graft at same operative episode (86.60-86.69)

86.92 Electrolysis and other epilation of skin
   Excludes: epilation of eyelid (08.91-08.93)

86.93 Insertion of tissue expander
   Insertion (subcutaneous) (soft tissue) of expander(one or more) in scalp (subgaleal space), face, neck, trunk except breast, and upper and lower extremities for development of skin flaps for donor use
   Excludes: flap graft preparation (86.71)
   tissue expander, breast (85.95)

86.94 Insertion or replacement of single array neurostimulator pulse generator, not specified as rechargeable
   Pulse generator (single array, single channel, single port) for intracranial, spinal, and peripheral neurostimulator
   Code also any associated lead implantation (02.93, 03.93, 04.92)
   Excludes: cranial implantation or replacement of neurostimulator pulse generator (01.20)
   insertion or replacement of single array rechargeable neurostimulator pulse generator (86.97)

86.95 Insertion or replacement of multiple array neurostimulator pulse generator, not specified as rechargeable
   Pulse generator (multiple array, multiple channel, multiple port) for intracranial, spinal, and peripheral neurostimulator
   Code also any associated lead implantation (02.93, 03.93, 04.92)
   Excludes: cranial implantation or replacement of neurostimulator pulse generator (01.20)
   insertion or replacement of multiple array rechargeable neurostimulator pulse generator (86.98)

86.96 Insertion or replacement of other neurostimulator pulse generator
   Code also any associated lead implantation (02.93, 03.93, 04.92)
   Excludes: cranial implantation or replacement of neurostimulator pulse generator (01.20)
   insertion of multiple array neurostimulator pulse generator (86.95, 86.98)
   insertion of single array neurostimulator pulse generator (86.94, 86.97)

86.97 Insertion or replacement of single array rechargeable neurostimulator pulse generator
   Rechargeable pulse generator (single array, single channel, single port) for intracranial, spinal, and peripheral neurostimulator
   Code also any associated lead implantation (02.93, 03.93, 04.92)
Excludes: cranial implantation or replacement of neurostimulator pulse generator (01.20)

86.98 Insertion or replacement of multiple array (two or more) rechargeable neurostimulator pulse generator
Rechargeable pulse generator (multiple array, multiple channel, multiple port) for intracranial, spinal, and peripheral neurostimulator
Code also any associated lead implantation (02.93, 03.93, 04.92)
Excludes: cranial implantation or replacement of neurostimulator pulse generator (01.20)

86.99 Other
Excludes: removal of sutures from:
abdomen (97.83)
head and neck (97.38)
thorax (97.43)
trunk NEC (97.84)
wound catheter:
irrigation (96.58)
replacement (97.15)

16. MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES (87-99)

87 Diagnostic Radiology

87.0 Soft tissue x-ray of face, head, and neck
Excludes: angiography (88.40-88.68)

87.01 Pneumoencephalogram
87.02 Other contrast radiogram of brain and skull
Pneumocisternogram
Pneumoventriculogram
Posterior fossa myelogram
87.03 Computerized axial tomography of head
C.A.T. scan of head
87.04 Other tomography of head
87.05 Contrast dacryocystogram
87.06 Contrast radiogram of nasopharynx
87.07 Contrast laryngogram
87.08 Cervical lymphangiogram
87.09 Other soft tissue x-ray of face, head, and neck
Noncontrast x-ray of:
adenoid
larynx
nasolacrimal duct
nasopharynx
salivary gland
thyroid region
uvula
Excludes: x-ray study of eye (95.14)

87.1 Other x-ray of face, head, and neck
Excludes: angiography (88.40-88.68)

87.11 Full-mouth x-ray of teeth

87.12 Other dental x-ray
  Orthodontic cephalogram or cephalometrics
  Panorex examination of mandible
  Root canal x-ray

87.13 Temporomandibular contrast arthrogram

87.14 Contrast radiogram of orbit

87.15 Contrast radiogram of sinus

87.16 Other x-ray of facial bones
  X-ray of:
  frontal area
  mandible
  maxilla
  nasal sinuses
  nose
  orbit
  supraorbital area
  symphysis menti
  zygomaticomaxillary complex

87.17 Other x-ray of skull
  Lateral projection of skull
  Sagittal projection
  Tangential projection

87.2 X-ray of spine

87.21 Contrast myelogram

87.22 Other x-ray of cervical spine

87.23 Other x-ray of thoracic spine

87.24 Other x-ray of lumbosacral spine
  Sacrococcygeal x-ray

87.29 Other x-ray of spine
  Spinal x-ray NOS

87.3 Soft tissue x-ray of thorax
Excludes: angiocardiology (88.50-88.58)
         angiography (88.40-88.68)

87.31 Endotracheal bronchogram

87.32 Other contrast bronchogram
  Transcricoid bronchogram
87.33 Mediastinal pneumogram
87.34 Intrathoracic lymphangiogram
87.35 Contrast radiogram of mammary ducts
87.36 Xerography of breast
87.37 Other mammography
87.38 Sinogram of chest wall
   Fistulogram of chest wall
87.39 Other soft tissue x-ray of chest wall

87.4 Other x-ray of thorax
Excludes: angiocardiology (88.50-88.58)
         angiography (88.40-88.68)

87.41 Computerized axial tomography of thorax
   C.A.T. scan of:
   heart
   thorax
   Crystal linea scan of x-ray beam of thorax
   Electronic substraction of thorax
   Photoelectric response of thorax
   Tomography with use of computer, x-rays, and camera of thorax

87.42 Other tomography of thorax
   Cardiac tomogram
Excludes: C.A.T. scan of heart (87.41)

87.43 X-ray of ribs, sternum, and clavicle
   Examination for:
   cervical rib
   fracture

87.44 Routine chest x-ray, so described
   X-ray of chest NOS

87.49 Other chest x-ray
   X-ray of:
   bronchus NOS
   diaphragm NOS
   heart NOS
   lung NOS
   mediastinum NOS
   trachea NOS

87.5 Biliary tract x-ray
87.51 Percutaneous hepatic cholangiogram
87.52 Intravenous cholangiogram
87.53 Intraoperative cholangiogram
87.54 Other cholangiogram
87.6 Other x-ray of digestive system
   87.61 Barium swallow
   87.62 Upper GI series
   87.63 Small bowel series
   87.64 Lower GI series
   87.65 Other x-ray of intestine
   87.66 Contrast pancreatogram
   87.69 Other digestive tract x-ray

87.7 X-ray of urinary system
Excludes: angiography of renal vessels (88.45, 88.65)
   87.71 Computerized axial tomography of kidney
       C.A.T. scan of kidney
   87.72 Other nephrotomogram
   87.73 Intravenous pyelogram
       Diuretic infusion pyelogram
   87.74 Retrograde pyelogram
   87.75 Percutaneous pyelogram
   87.76 Retrograde cystourethrogram
   87.77 Other cystogram
   87.78 Ileal conduitogram
   87.79 Other x-ray of the urinary system
       KUB x-ray

87.8 X-ray of female genital organs
   87.81 X-ray of gravid uterus
       Intrauterine cephalometry by x-ray
   87.82 Gas contrast hysterosalpingogram
   87.83 Opaque dye contrast hysterosalpingogram
   87.84 Percutaneous hysterogram
   87.85 Other x-ray of fallopian tubes and uterus
   87.89 Other x-ray of female genital organs

87.9 X-ray of male genital organs
   87.91 Contrast seminal vesiculogram
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>87.92</td>
<td>Other x-ray of prostate and seminal vesicles</td>
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<td>Contrast epididymogram</td>
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<td>87.94</td>
<td>Contrast vasogram</td>
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<td>87.95</td>
<td>Other x-ray of epididymis and vas deferens</td>
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<td>87.99</td>
<td>Other x-ray of male genital organs</td>
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<td>88</td>
<td>Other diagnostic radiology and related techniques</td>
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<td>88.0</td>
<td>Soft tissue x-ray of abdomen</td>
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<td>Excludes: angiography (88.40-88.68)</td>
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<td>88.01</td>
<td>Computerized axial tomography of abdomen</td>
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<td>C.A.T. scan of abdomen</td>
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<td>Excludes: C.A.T. scan of kidney (87.71)</td>
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<td>Other abdomen tomography</td>
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<td>Sinogram of abdominal wall</td>
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<td>Fistulogram of abdominal wall</td>
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<td>Abdominal lymphangiogram</td>
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<td>Other soft tissue x-ray of abdominal wall</td>
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<td>88.11</td>
<td>Pelvic opaque dye contrast radiography</td>
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<td>Pelvic gas contrast radiography</td>
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<td>Pelvic pneumoperitoneum</td>
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<td>88.13</td>
<td>Other peritoneal pneumogram</td>
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<td>Retroperitoneal fistulogram</td>
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<td>Retroperitoneal pneumogram</td>
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<td>Other retroperitoneal x-ray</td>
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<td>Other x-ray of abdomen</td>
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<td>Flat plate of abdomen</td>
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<td>88.2</td>
<td>Skeletal x-ray of extremities and pelvis</td>
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<td>Excludes: contrast radiogram of joint (88.32)</td>
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<td>88.21</td>
<td>Skeletal x-ray of shoulder and upper arm</td>
</tr>
<tr>
<td>88.22</td>
<td>Skeletal x-ray of elbow and forearm</td>
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<tr>
<td>88.23</td>
<td>Skeletal x-ray of wrist and hand</td>
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<td>88.24</td>
<td>Skeletal x-ray of upper limb, not otherwise specified</td>
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<td>88.25</td>
<td>Pelvimetry</td>
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88.26 Other skeletal x-ray of pelvis and hip
88.27 Skeletal x-ray of thigh, knee, and lower leg
88.28 Skeletal x-ray of ankle and foot
88.29 Skeletal x-ray of lower limb, not otherwise specified

88.3 Other x-ray

88.31 Skeletal series
  X-ray of whole skeleton

88.32 Contrast arthrogram
Excludes: that of temporomandibular joint (87.13)

88.33 Other skeletal x-ray
Excludes: skeletal x-ray of:
  extremities and pelvis (88.21-88.29)
  face, head, and neck (87.11-87.17)
  spine (87.21-87.29)
  thorax (87.43)

88.34 Lymphangiogram of upper limb
88.35 Other soft tissue x-ray of upper limb
88.36 Lymphangiogram of lower limb
88.37 Other soft tissue x-ray of lower limb
Excludes: femoral angiography (88.48, 88.66)

88.38 Other computerized axial tomography
  C.A.T. scan NOS
Excludes: C.A.T. scan of:
  abdomen (88.01)
  head (87.03)
  heart (87.41)
  kidney (87.71)
  thorax (87.41)

88.39 X-ray, other and unspecified

88.4 Arteriography using contrast material
Includes:
  angiography of arteries
  arterial puncture for injection of contrast material
  radiography of arteries (by fluoroscopy)
  retrograde arteriography

The fourth-digit subclassification identifies the site to be viewed, not the site of injection.

Excludes:
  arteriography using:
    radioisotopes or radionuclides (92.01-92.19)
    ultrasound (88.71-88.79)
    fluorescein angiography of eye (95.12)

88.40 Arteriography using contrast material, unspecified site
88.41 Arteriography of cerebral arteries
   Angiography of:
   basilar artery
   carotid (internal)
   posterior cerebral circulation
   vertebral artery

88.42 Aortography
   Arteriography of aorta and aortic arch

88.43 Arteriography of pulmonary arteries

88.44 Arteriography of other intrathoracic vessels
Excludes: angiocardiography (88.50-88.58)
          arteriography of coronary arteries (88.55-88.57)

88.45 Arteriography of renal arteries

88.46 Arteriography of placenta
   Placentogram using contrast material

88.47 Arteriography of other intra-abdominal arteries

88.48 Arteriography of femoral and other lower extremity arteries

88.49 Arteriography of other specified sites

88.5 Angiocardiography using contrast material
Includes:
   arterial puncture and insertion of arterial catheter for injection of contrast material
   cineangiocardiography
   selective angiocardiography

Code also synchronous cardiac catheterization (37.21-37.23)
Excludes:
   angiography of pulmonary vessels (88.43, 88.62)

88.50 Angiocardiography, not otherwise specified

88.51 Angiocardiography of venae cavae
   Inferior vena cavography
   Phlebography of vena cava (inferior) (superior)

88.52 Angiocardiography of right heart structures
   Angiocardiography of:
   pulmonary valve
   right atrium
   right ventricle (outflow tract)
Excludes: intra-operative fluorescence vascular angiography (88.59)
          that combined with left heart angiocardiography (88.54)

88.53 Angiocardiography of left heart structures
   Angiocardiography of:
   aortic valve
   left atrium
   left ventricle (outflow tract)
Excludes: intra-operative fluorescence vascular angiography (88.59)
          that combined with right heart angiocardiography (88.54)

88.54 Combined right and left heart angiocardiography
Excludes: intra-operative fluorescence vascular angiography (88.59)

88.55 Coronary arteriography using a single catheter
   Coronary arteriography by Sones technique
   Direct selective coronary arteriography
   using a single catheter
Excludes: intra-operative fluorescence vascular angiography (88.59)

88.56 Coronary arteriography using two catheters
   Coronary arteriography by:
   Judkins technique
   Ricketts and Abrams technique
   Direct selective coronary arteriography using two catheters
Excludes: intra-operative fluorescence vascular angiography (88.59)

88.57 Other and unspecified coronary arteriography
   Coronary arteriography NOS
Excludes: intra-operative fluorescence vascular angiography (88.59)

88.58 Negative-contrast cardiac roentgenography
   Cardiac roentgenography with injection of carbon dioxide

88.59 Intra-operative coronary fluorescence vascular angiography
   Intraoperative laser arteriogram (SPY)
   SPY arteriogram
   SPY arteriography

88.6 Phlebography
Includes: angiography of veins
   radiography of veins (by fluoroscopy)
   retrograde phlebography
   venipuncture for injection of contrast material
   venography using contrast material

Note: The fourth-digit subclassification (88.60-88.67) identifies the site to be viewed, not the site of injection.

Excludes: angiography using:
   radioisotopes or radionuclides (92.01-92.19)
   ultrasound (88.71-88.79)
   fluorescein angiography of eye (95.12)

88.60 Phlebography using contrast material, unspecified site
88.61 Phlebography of veins of head and neck using contrast material
88.62 Phlebography of pulmonary veins using contrast material
88.63 Phlebography of other intrathoracic veins using contrast material
88.64 Phlebography of the portal venous system using contrast material
   Splenoportogram (by splenic arteriography)
88.65 Phlebography of other intra-abdominal veins using contrast material
88.66 Phlebography of femoral and other lower extremity veins using contrast material
88.67 Phlebography of other specified sites using contrast material
88.68 Impedance phlebography

88.7 Diagnostic ultrasound
Includes: Echography
Non-invasive ultrasound
Ultrasonic angiography
Ultrasonography

Excludes: intravascular imaging (adjunctive) (IVUS) (00.21-00.29)
therapeutic ultrasound (00.01-00.09)
that for intraoperative monitoring (00.94)

88.71 Diagnostic ultrasound of head and neck
Determination of midline shift of brain
Echoencephalography

Excludes: eye (95.13)

88.72 Diagnostic ultrasound of heart
Echocardiography
Transesophageal echocardiography

Excludes: echocardiography of heart chambers (37.28)
intracardiac echocardiography (ICE) (37.28)
intravascular (IVUS) imaging of coronary vessels (00.24)

88.73 Diagnostic ultrasound of other sites of thorax
Aortic arch ultrasonography
Breast ultrasonography
Lung ultrasonography

88.74 Diagnostic ultrasound of digestive system

88.75 Diagnostic ultrasound of urinary system

88.76 Diagnostic ultrasound of abdomen and retroperitoneum

88.77 Diagnostic ultrasound of peripheral vascular system
Deep vein thrombosis ultrasonic scanning

Excludes: adjunct vascular system procedures (00.40-00.43)

88.78 Diagnostic ultrasound of gravid uterus
Intrauterine cephalometry:
echo
ultrasonic
Placental localization by ultrasound

88.79 Other diagnostic ultrasound
Ultrasonography of:
multiple sites
nongravid uterus
total body

88.8 Thermography

88.81 Cerebral thermography

88.82 Ocular thermography

88.83 Bone thermography
Osteoarticular thermography

88.84 Muscle thermography
88.85 Breast thermography
88.86 Blood vessel thermography
  Deep vein thermography
88.89 Thermography of other sites
  Lymph gland thermography
  Thermography NOS

88.9 Other diagnostic imaging
88.90 Diagnostic imaging, not elsewhere classified
88.91 Magnetic resonance imaging of brain and brain stem
  Excludes: intraoperative magnetic resonance imaging (88.96)
    laser interstitial thermal therapy [LITT] of lesion or tissue of brain under guidance (17.61)
    real-time magnetic resonance imaging (88.96)
88.92 Magnetic resonance imaging of chest and myocardium
  For evaluation of hilar and mediastinal lymphadenopathy
  Excludes: laser interstitial thermal therapy [LITT] of lesion or tissue of breast under guidance (17.69)
    laser interstitial thermal therapy [LITT] of lesion or tissue of lung under guidance (17.69)
88.93 Magnetic resonance imaging of spinal canal
  Spinal cord levels:
    cervical
    thoracic
    lumbar (lumbosacral)
  Spinal cord
  Spine
88.94 Magnetic resonance imaging of musculoskeletal
  Bone marrow blood supply
  Extremities (upper) (lower)
88.95 Magnetic resonance imaging of pelvis, prostate, and bladder
  Excludes: laser interstitial thermal therapy [LITT] of lesion or tissue of prostate under guidance (17.69)
88.96 Other intraoperative magnetic resonance imaging
  iMRI
  Real-time magnetic resonance imaging
88.97 Magnetic resonance imaging of other and unspecified sites
  Abdomen
  Eye orbit
  Face
  Neck
  Excludes: laser interstitial thermal therapy [LITT] of lesion or tissue of other and unspecified site under guidance (17.69)
### Bone Mineral Density Studies
- Dual photon absorptiometry
- Quantitative computed tomography (CT) studies
- Radiographic densitometry
- Single photon absorptiometry

### Interview, Evaluation, Consultation, and Examination

#### 89.0 Diagnostic Interview, Consultation, and Evaluation
Excludes: psychiatric diagnostic interview (94.11-94.19)

- 89.01 Interview and evaluation, described as brief
  Abbreviated history and evaluation
- 89.02 Interview and evaluation, described as limited
  Interval history and evaluation
- 89.03 Interview and evaluation, described as comprehensive
  History and evaluation of new problem
- 89.04 Other interview and evaluation
- 89.05 Diagnostic interview and evaluation, not otherwise specified
- 89.06 Consultation, described as limited
  Consultation on a single organ system
- 89.07 Consultation, described as comprehensive
- 89.08 Other consultation
- 89.09 Consultation, not otherwise specified

#### 89.1 Anatomic and Physiologic Measurements and Manual Examinations -- Nervous System and Sense Organs
Excludes: ear examination (95.41-95.49), eye examination (95.01-95.26), the listed procedures when done as part of a general physical examination (89.7)

- 89.10 Intracarotid amobarbital test
  Wada test
- 89.11 Tonometry
- 89.12 Nasal function study
  Rhinomanometry
- 89.13 Neurologic examination
- 89.14 Electroencephalogram
  Excludes: that with polysomnogram (89.17)
- 89.15 Other nonoperative neurologic function tests
- 89.16 Transillumination of newborn skull
- 89.17 Polysomnogram
  Sleep recording
89.18 Other sleep disorder function tests
   Multiple sleep latency test [MSLT]

89.19 Video and radio-telemetered electroencephalographic monitoring
   Radiographic EEG monitoring
   Video EEG monitoring
Excludes: intraoperative monitoring (00.94)

89.2 Anatomic and physiologic measurements and manual examinations -- genitourinary system
Excludes: the listed procedures when done as part of a general physical examination (89.7)

89.21 Urinary manometry
   Manometry through:
   indwelling ureteral catheter
   nephrostomy
   pyelostomy
   ureterostomy

89.22 Cystometrogram

89.23 Urethral sphincter electromyogram

89.24 Uroflowmetry [UFR]

89.25 Urethral pressure profile [UPP]

89.26 Gynecological examination
   Pelvic examination

89.29 Other nonoperative genitourinary system measurements
   Bioassay of urine
   Renal clearance
   Urine chemistry

89.3 Other anatomic and physiologic measurements and manual examinations
Excludes: the listed procedures when done as part of a general physical examination (89.7)

89.31 Dental examination
   Oral mucosal survey
   Periodontal survey

89.32 Esophageal manometry

89.33 Digital examination of enterostomy stoma
   Digital examination of colostomy stoma

89.34 Digital examination of rectum

89.35 Transillumination of nasal sinuses

89.36 Manual examination of breast

89.37 Vital capacity determination
Excludes: endoscopic pulmonary airway flow measurement (33.72)

89.38 Other nonoperative respiratory measurements
   Plethysmography for measurement of respiratory function
   Thoracic impedance plethysmography
Excludes: endoscopic pulmonary airway flow measurement (33.72)

89.39 Other nonoperative measurements and examinations
   14 C-Urea breath test
   Basal metabolic rate [BMR]
   Gastric:
   analysis
   function NEC

Excludes: body measurement (93.07)
   cardiac tests (89.41-89.69)
   fundus photography (95.11)
   limb length measurement (93.06)

89.4 Cardiac stress tests, pacemaker and defibrillator checks

89.41 Cardiovascular stress test using treadmill

89.42 Masters' two-step stress test

89.43 Cardiovascular stress test using bicycle ergometer

89.44 Other cardiovascular stress test
   Thallium stress test with or without transesophageal pacing

89.45 Artificial pacemaker rate check
   Artificial pacemaker function check NOS
   Bedside device check of pacemaker or cardiac resynchronization pacemaker [CRT-P]
   Interrogation only without arrhythmia induction

Excludes: catheter based invasive electrophysiologic testing (37.26)
   noninvasive programmed electrical stimulation [NIPS] (arrhythmia induction) (37.20)

89.46 Artificial pacemaker artifact waveform check

89.47 Artificial pacemaker electrode impedance check

89.48 Artificial pacemaker voltage or amperage threshold check

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: catheter based invasive electrophysiologic testing (37.26)
   noninvasive programmed electrical stimulation [NIPS] (arrhythmia induction) (37.20)

89.5 Other nonoperative cardiac and vascular diagnostic procedures

Excludes: fetal EKG (75.32)

89.50 Ambulatory cardiac monitoring
   Analog devices [Holter-type]

89.51 Rhythm electrocardiogram
   Rhythm EKG (with one to three leads)

89.52 Electrocardiogram
   ECG NOS
   EKG (with 12 or more leads)

89.53 Vectorcardiogram (with ECG)
89.54 Electrographic monitoring
   Telemetry
Excludes: ambulatory cardiac monitoring (89.50)
   electrographic monitoring during surgery -- omit code

89.55 Phonocardiogram with ECG lead

89.56 Carotid pulse tracing with ECG lead
Excludes: oculoplethysmography (89.58)

89.57 Apexcardiogram (with ECG lead)

89.58 Plethysmogram
   Penile plethysmography with nerve stimulation
Excludes: plethysmography (for):
   measurement of respiratory function (89.38)
   thoracic impedance (89.38)

89.59 Other nonoperative cardiac and vascular measurements

89.6 Circulatory monitoring
Excludes: electrocardiographic monitoring during surgery -- omit code
   implantation or replacement of subcutaneous device for intracardiac hemodynamic
monitoring (00.57)
   insertion or replacement of implantable pressure sensor (lead) for intracardiac hemodynamic
monitoring (00.56)

89.60 Continuous intra-arterial blood gas monitoring
   Insertion of blood gas monitoring system and continuous monitoring of blood gases
   through an intra-arterial sensor

89.61 Systemic arterial pressure monitoring
Excludes: intra-aneurysm sac pressure monitoring (intraoperative) (00.58)
   intravascular pressure measurement of intrathoracic arteries (00.67)
   intravascular pressure measurement of peripheral arteries (00.68)

89.62 Central venous pressure monitoring
Excludes: intravascular pressure measurement, other specified and unspecified vessels (00.69)

89.63 Pulmonary artery pressure monitoring
Excludes: pulmonary artery wedge monitoring (89.64)

89.64 Pulmonary artery wedge monitoring
   Pulmonary capillary wedge [PCW] monitoring
   Swan-Ganz catheterization

89.65 Measurement of systemic arterial blood gases
Excludes: continuous intra-arterial blood gas monitoring (89.60)

89.66 Measurement of mixed venous blood gases

89.67 Monitoring of cardiac output by oxygen consumption technique
   Fick method

89.68 Monitoring of cardiac output by other technique
   Cardiac output monitor by thermodilution indicator
89.69 Monitoring of coronary blood flow
   Coronary blood flow monitoring by coincidence counting technique
   Excludes: intravascular pressure measurement of coronary arteries (00.59)

89.7 General physical examination

89.8 Autopsy

90 Microscopic examination-I

The following fourth-digit subclassification is for use with categories in section 90 to identify type of examination:

1. bacterial smear
2. culture
3. culture and sensitivity
4. parasitology
5. toxicology
6. cell block and Papanicolaou smear
9. other microscopic examination

90.0 Microscopic examination of specimen from nervous system and of spinal fluid

90.1 Microscopic examination of specimen from endocrine gland, not elsewhere classified

90.2 Microscopic examination of specimen from eye

90.3 Microscopic examination of specimen from ear, nose, throat, and larynx

90.4 Microscopic examination of specimen from trachea, bronchus, pleura, lung, and other thoracic specimen, and of sputum

90.5 Microscopic examination of blood

90.6 Microscopic examination of specimen from spleen and of bone marrow

90.7 Microscopic examination of specimen from lymph node and of lymph

90.8 Microscopic examination of specimen from upper gastrointestinal tract and of vomitus

90.9 Microscopic examination of specimen from lower gastrointestinal tract and of stool

91 Microscopic examination-II

The following fourth-digit subclassification is for use with categories in section 91 to identify type of examination

1. bacterial smear
2. culture
3. culture and sensitivity
4. parasitology
5. toxicology
6. cell block and Papanicolaou smear
9. other microscopic examination

91.0 Microscopic examination of specimen from liver, biliary tract, and pancreas

91.1 Microscopic examination of peritoneal and retroperitoneal specimen
91.2 Microscopic examination of specimen from kidney, ureter, perirenal and periureteral tissue

91.3 Microscopic examination of specimen from bladder, urethra, prostate, seminal vesicle, perivesical tissue, and of urine and semen

91.4 Microscopic examination of specimen from female genital tract
   Amnionic sac
   Fetus

91.5 Microscopic examination of specimen from musculoskeletal system and of joint fluid
   Microscopic examination of:
   bone
   bursa
   cartilage
   fascia
   ligament
   muscle
   synovial membrane
   tendon

91.6 Microscopic examination of specimen from skin and other integument
   Microscopic examination of:
   hair
   nails
   skin

Excludes: mucous membrane -- code to organ site
   that of operative wound (91.71-91.79)

91.7 Microscopic examination of specimen from operative wound

91.8 Microscopic examination of specimen from other site

91.9 Microscopic examination of specimen from unspecified site

92 Nuclear medicine

92.0 Radioisotope scan and function study
   92.01 Thyroid scan and radioisotope function studies
      Iodine-131 uptake
      Protein-bound iodine
      Radio-iodine uptake
   92.02 Liver scan and radioisotope function study
   92.03 Renal scan and radioisotope function study
      Renal clearance study
   92.04 Gastrointestinal scan and radioisotope function study
      Radio-cobalt B12 Schilling test
      Radio-iodinated triolein study
   92.05 Cardiovascular and hematopoietic scan and radioisotope function study
      Bone marrow scan or function study
      Cardiac output scan or function study
      Circulation time scan or function study
      Radionuclide cardiac ventriculogram scan or function study
      Spleen scan or function study
92.09 Other radioisotope function studies

92.1 Other radioisotope scan

92.11 Cerebral scan
   Pituitary

92.12 Scan of other sites of head
   Excludes: eye (95.16)

92.13 Parathyroid scan

92.14 Bone scan

92.15 Pulmonary scan

92.16 Scan of lymphatic system

92.17 Placental scan

92.18 Total body scan

92.19 Scan of other sites

92.2 Therapeutic radiology and nuclear medicine

   Excludes: that for:
   ablation of pituitary gland (07.64-07.69)
   destruction of chorioretinal lesion (14.26-14.27)

92.20 Infusion of liquid brachytherapy radioisotope
   I-125 radioisotope
   Intracavitary brachytherapy
   Includes: removal of radioisotope

92.21 Superficial radiation
   Contact radiation [up to 150 KVP]

92.22 Orthovoltage radiation
   Deep radiation [200-300 KVP]

92.23 Radioisotopic teleradiotherapy
   Teleradiotherapy using:
   cobalt-60
   iodine-125
   radioactive cesium

92.24 Teleradiotherapy using photons
   Megavoltage NOS
   Supervoltage NOS
   Use of:
   Betatron
   linear accelerator

92.25 Teleradiotherapy using electrons
   Beta particles
   Excludes: intra-operative electron radiation therapy (92.41)

92.26 Teleradiotherapy of other particulate radiation
   Neutrons
Protons NOS

92.27 Implantation or insertion of radioactive elements
  Intravascular brachytherapy

Code also incision of site
Excludes: infusion of liquid brachytherapy radioisotope (92.20)

92.28 Injection or instillation of radioisotopes
  Injection or infusion of radioimmunoconjugate
  Intracavitary injection or instillation
  Intravenous injection or instillation
  Iodine-131 [I-131] tositumomab
  Radioimmunotherapy
  Yttrium-90 [Y-90] ibritumomab tiuxetan

Excludes: infusion of liquid brachytherapy radioisotope (92.20)

92.29 Other radiotherapeutic procedure

92.3 Stereotactic radiosurgery
Code also stereotactic head frame application (93.59)
Excludes: stereotactic biopsy

92.30 Stereotactic radiosurgery, not otherwise specified

92.31 Single source photon radiosurgery
  High energy x-rays
  Linear accelerator (LINAC)

92.32 Multi-source photon radiosurgery
  Cobalt 60 radiation
  Gamma irradiation

92.33 Particulate radiosurgery
  Particle beam radiation (cyclotron)
  Proton accelerator

92.39 Stereotactic radiosurgery, not elsewhere classified

92.4 Intra-operative radiation procedures

92.41 Intra-operative electron radiation therapy
  IOERT
  That using a mobile linear accelerator

93 Physical therapy, respiratory therapy, rehabilitation, and related procedures

93.0 Diagnostic physical therapy

93.01 Functional evaluation

93.02 Orthotic evaluation

93.03 Prosthetic evaluation

93.04 Manual testing of muscle function

93.05 Range of motion testing
93.06  Measurement of limb length
93.07  Body measurement
  Girth measurement
  Measurement of skull circumference
93.08  Electromyography
  Excludes: eye EMG (95.25)
  that for intraoperative monitoring (00.94)
  that with polysomnogram (89.17)
  urethral sphincter EMG (89.23)
93.09  Other diagnostic physical therapy procedure

93.1  Physical therapy exercises
93.11  Assisting exercise
  Excludes: assisted exercise in pool (93.31)
93.12  Other active musculoskeletal exercise
93.13  Resistive exercise
93.14  Training in joint movements
93.15  Mobilization of spine
93.16  Mobilization of other joints
  Excludes: manipulation of temporomandibular joint (76.95)
93.17  Other passive musculoskeletal exercise
93.18  Breathing exercise
93.19  Exercise, not elsewhere classified

93.2  Other physical therapy musculoskeletal manipulation
93.21  Manual and mechanical traction
  Excludes: skeletal traction (93.43-93.44)
  skin traction (93.45-93.46)
  spinal traction (93.41-93.42)
93.22  Ambulation and gait training
93.23  Fitting of orthotic device
93.24  Training in use of prosthetic or orthotic device
  Training in crutch walking
93.25  Forced extension of limb
93.26  Manual rupture of joint adhesions
93.27  Stretching of muscle or tendon
93.28  Stretching of fascia
93.29  Other forcible correction of deformity
93.3 Other physical therapy therapeutic procedures

93.31 Assisted exercise in pool
93.32 Whirlpool treatment
93.33 Other hydrotherapy
93.34 Diathermy
93.35 Other heat therapy
    Acupuncture with smouldering moxa
    Hot packs
    Hyperthermia NEC
    Infrared irradiation
    Moxibustion
    Paraffin bath

Excludes: hyperthermia for treatment of cancer (99.85)

93.36 Cardiac retraining

93.37 Prenatal training
    Training for natural childbirth

93.38 Combined physical therapy without mention of the components
93.39 Other physical therapy

93.4 Skeletal traction and other traction

93.41 Spinal traction using skull device
    Traction using:
    caliper tongs
    Crutchfield tongs
    halo device
    Vinke tongs

Excludes: insertion of tongs or halo traction device (02.94)

93.42 Other spinal traction
    Cotrel's traction

Excludes: cervical collar (93.52)

93.43 Intermittent skeletal traction

93.44 Other skeletal traction
    Bryant's traction
    Dunlop's traction
    Lyman Smith traction
    Russell's traction

93.45 Thomas' splint traction

93.46 Other skin traction of limbs
    Adhesive tape traction
    Boot traction
    Buck's traction
    Gallows traction
93.5 Other immobilization, pressure, and attention to wound
Excludes: external fixator device (84.71-84.73)
        wound cleansing (96.58-96.59)

    93.51 Application of plaster jacket
    Excludes: Minerva jacket (93.52)

    93.52 Application of neck support
           Application of:
                  cervical collar
                  Minerva jacket
                  molded neck support

    93.53 Application of other cast

    93.54 Application of splint
           Plaster splint
           Tray splint
    Excludes: periodontal splint (24.7)

    93.55 Dental wiring
    Excludes: that for orthodontia (24.7)

    93.56 Application of pressure dressing
           Application of:
                  Gibney bandage
                  Robert Jones' bandage
                  Shanz dressing

    93.57 Application of other wound dressing
           Porcine wound dressing

    93.58 Application of pressure trousers
           Application of:
                  anti-shock trousers
                  MAST trousers
                  vasopneumatic device

    93.59 Other immobilization, pressure, and attention to wound
           Elastic stockings
           Electronic gaiter
           Intermittent pressure device
           Oxygenation of wound (hyperbaric)
           Stereotactic head frame application
           Strapping (non-traction)
           Velpeau dressing

93.6 Osteopathic manipulative treatment

    93.61 Osteopathic manipulative treatment for general mobilization
            General articulatory treatment

    93.62 Osteopathic manipulative treatment using high-velocity, low-amplitude forces
            Thrusting forces

    93.63 Osteopathic manipulative treatment using low-velocity, high-amplitude forces
            Springing forces
93.64 Osteopathic manipulative treatment using isotonic, isometric forces
93.65 Osteopathic manipulative treatment using indirect forces
93.66 Osteopathic manipulative treatment to move tissue fluids
   Lymphatic pump
93.67 Other specified osteopathic manipulative treatment

93.7 Speech and reading rehabilitation and rehabilitation of the blind
93.71 Dyslexia training
93.72 Dysphasia training
93.73 Esophageal speech training
93.74 Speech defect training
93.75 Other speech training and therapy
93.76 Training in use of lead dog for the blind
93.77 Training in braille or Moon
93.78 Other rehabilitation for the blind

93.8 Other rehabilitation therapy
93.81 Recreation therapy
   Diversional therapy
   Play therapy
Excludes: play psychotherapy (94.36)
93.82 Educational therapy
   Education of bed-bound children
   Special schooling for the handicapped
93.83 Occupational therapy
   Daily living activities therapy
Excludes: training in activities of daily living for the blind (93.78)
93.84 Music therapy
93.85 Vocational rehabilitation
   Sheltered employment
   Vocational:
      assessment
      retraining
   training
93.89 Rehabilitation, not elsewhere classified

93.9 Respiratory therapy
Excludes: insertion of airway (96.01-96.05)
   other continuous invasive (through endotracheal tube or tracheostomy) mechanical
   ventilation (96.70-96.72)
93.90 Non-invasive mechanical ventilation
Bi-level airway pressure
BiPAP without (delivery through) endotracheal tube or tracheostomy
CPAP without (delivery through) endotracheal tube or tracheostomy
Mechanical ventilation NOS
Non-invasive positive pressure (NIPPV)
Non-invasive PPV
NPPV
That delivered by non-invasive interface:
  - face mask
  - nasal mask
  - nasal pillow
  - oral mouthpiece
  - oronasal mask

Excludes: invasive (through endotracheal tube or tracheostomy) continuous mechanical ventilation (96.70-96.72)

Note: Patients admitted on non-invasive mechanical ventilation that subsequently require invasive mechanical ventilation; code both types of mechanical ventilation.

93.91 Intermittent positive pressure breathing [IPPB]

93.93 Nonmechanical methods of resuscitation
  - Artificial respiration
  - Manual resuscitation
  - Mouth-to-mouth resuscitation

93.94 Respiratory medication administered by nebulizer
  - Mist therapy

93.95 Hyperbaric oxygenation
Excludes: oxygenation of wound (93.59)

93.96 Other oxygen enrichment
  - Catalytic oxygen therapy
  - Cytoreductive effect
  - Oxygenators
  - Oxygen therapy
Excludes: oxygenation of wound (93.59)
  - SuperSaturated oxygen therapy (00.49)

93.97 Decompression chamber

93.98 Other control of atmospheric pressure and composition
  - Antigen-free air conditioning
  - Helium therapy
Excludes: inhaled nitric oxide therapy (INO) (00.12)

93.99 Other respiratory procedures
  - Continuous negative pressure ventilation [CNP]
  - Postural drainage

94 Procedures related to the psyche

94.0 Psychologic evaluation and testing

  94.01 Administration of intelligence test
  - Administration of:
Stanford-Binet
Wechsler Adult Intelligence Scale
Wechsler Intelligence Scale for Children

94.02 Administration of psychologic test
   Administration of:
   Bender Visual-Motor Gestalt Test
   Benton Visual Retention Test
   Minnesota Multiphasic Personality Inventory
   Wechsler Memory Scale

94.03 Character analysis
94.08 Other psychologic evaluation and testing
94.09 Psychologic mental status determination, not otherwise specified

94.1 Psychiatric interviews, consultations, and evaluations

94.11 Psychiatric mental status determination
   Clinical psychiatric mental status determination
   Evaluation for criminal responsibility
   Evaluation for testimentary capacity
   Medicolegal mental status determination
   Mental status determination NOS

94.12 Routine psychiatric visit, not otherwise specified
94.13 Psychiatric commitment evaluation
   Pre-commitment interview

94.19 Other psychiatric interview and evaluation
   Follow-up psychiatric interview NOS

94.2 Psychiatric somatotherapy

94.21 Narcoanalysis
   Narcosynthesis

94.22 Lithium therapy
94.23 Neuroleptic therapy
94.24 Chemical shock therapy

94.25 Other psychiatric drug therapy

94.26 Subconvulsive electroshock therapy

94.27 Other electroshock therapy
   Electroconvulsive therapy (ECT)
   EST

94.29 Other psychiatric somatotherapy

94.3 Individual psychotherapy

94.31 Psychoanalysis
94.32 Hypnotherapy
Hypnodrome
Hypnosis

94.33 Behavior therapy
   Aversion therapy
   Behavior modification
   Desensitization therapy
   Extinction therapy
   Relaxation training
   Token economy

94.34 Individual therapy for psychosexual dysfunction
   Excludes: that performed in group setting (94.41)

94.35 Crisis intervention

94.36 Play psychotherapy

94.37 Exploratory verbal psychotherapy

94.38 Supportive verbal psychotherapy

94.39 Other individual psychotherapy
   Biofeedback

94.4 Other psychotherapy and counselling

94.41 Group therapy for psychosexual dysfunction

94.42 Family therapy

94.43 Psychodrama

94.44 Other group therapy

94.45 Drug addiction counselling

94.46 Alcoholism counselling

94.49 Other counselling

94.5 Referral for psychologic rehabilitation

94.51 Referral for psychotherapy

94.52 Referral for psychiatric aftercare:
   That in:
   halfway house
   outpatient (clinic) facility

94.53 Referral for alcoholism rehabilitation

94.54 Referral for drug addiction rehabilitation

94.55 Referral for vocational rehabilitation

94.59 Referral for other psychologic rehabilitation

94.6 Alcohol and drug rehabilitation and detoxification

94.61 Alcohol rehabilitation
94.62  Alcohol detoxification
94.63  Alcohol rehabilitation and detoxification
94.64  Drug rehabilitation
94.65  Drug detoxification
94.66  Drug rehabilitation and detoxification
94.67  Combined alcohol and drug rehabilitation
94.68  Combined alcohol and drug detoxification
94.69  Combined alcohol and drug rehabilitation and detoxification

95  Ophthalmologic and otologic diagnosis and treatment

95.0  General and subjective eye examination
  95.01  Limited eye examination
    Eye examination with prescription of spectacles
  95.02  Comprehensive eye examination
    Eye examination covering all aspects of the visual system
  95.03  Extended ophthalmologic work-up
    Examination (for):
    glaucoma
    neuro-ophthalmology
    retinal disease
  95.04  Eye examination under anesthesia
  Code also type of examination
  95.05  Visual field study
  95.06  Color vision study
  95.07  Dark adaptation study
  95.09  Eye examination, not otherwise specified
    Vision check NOS

95.1  Examinations of form and structure of eye
  95.11  Fundus photography
  95.12  Fluorescein angiography or angioscopy of eye
  95.13  Ultrasound study of eye
  95.14  X-ray study of eye
  95.15  Ocular motility study
  95.16  P32 and other tracer studies of eye

95.2  Objective functional tests of eye
  Excludes:  that with polysomnogram (89.17)
95.21 Electroretinogram [ERG]
95.22 Electro-oculogram [EOG]
95.23 Visual evoked potential [VEP]
95.24 Electronystagmogram [ENG]
95.25 Electromyogram of eye [EMG]
95.26 Tonography, provocative tests, and other glaucoma testing

95.3 Special vision services
95.31 Fitting and dispensing of spectacles
95.32 Prescription, fitting, and dispensing of contact lens
95.33 Dispensing of other low vision aids
95.34 Ocular prosthetics
95.35 Orthoptic training
95.36 Ophthalmologic counselling and instruction
   Counselling in:
   adaptation to visual loss
   use of low vision aids

95.4 Nonoperative procedures related to hearing
95.41 Audiometry
   Békésy 5-tone audiometry
   Impedance audiometry
   Stapedial reflex response
   Subjective audiometry
   Tympanogram
95.42 Clinical test of hearing
   Tuning fork test
   Whispered speech test
95.43 Audiolological evaluation
   Audiolological evaluation by:
   Bárány noise machine
   blindfold test
   delayed feedback
   masking
   Weber lateralization
95.44 Clinical vestibular function tests
   Thermal test of vestibular function
95.45 Rotation tests
   Bárány chair
95.46 Other auditory and vestibular function tests
95.47 Hearing examination, not otherwise specified
95.48 Fitting of hearing aid
Excludes: implantation of electromagnetic hearing device (20.95)

95.49 Other nonoperative procedures related to hearing
Adjustment (external components) of cochlear prosthetic device

96 Nonoperative intubation and irrigation

96.0 Nonoperative intubation of gastrointestinal and respiratory tracts
96.01 Insertion of nasopharyngeal airway
96.02 Insertion of oropharyngeal airway
96.03 Insertion of esophageal obturator airway
96.04 Insertion of endotracheal tube
96.05 Other intubation of respiratory tract
Excludes: endoscopic insertion or replacement of bronchial device or substance (33.71, 33.79)
96.06 Insertion of Sengstaken tube
  Esophageal tamponade
96.07 Insertion of other (naso-)gastric tube
  Intubation for decompression
Excludes: that for enteral infusion of nutritional substance (96.6)
96.08 Insertion of (naso-)intestinal tube
  Miller-Abbott tube (for decompression)
96.09 Insertion of rectal tube
  Replacement of rectal tube

96.1 Other nonoperative insertion
Excludes: nasolacrimal intubation (09.44)
96.11 Packing of external auditory canal
96.14 Vaginal packing
96.15 Insertion of vaginal mold
96.16 Other vaginal dilation
96.17 Insertion of vaginal diaphragm
96.18 Insertion of other vaginal pessary
96.19 Rectal packing

96.2 Nonoperative dilation and manipulation
96.21 Dilation of frontonasal duct
96.22 Dilation of rectum
96.23 Dilation of anal sphincter
Dilation and manipulation of enterostomy stoma
Therapeutic distention of bladder
  Intermittent distention of bladder
Manual reduction of rectal prolapse
Manual reduction of hernia
Manual reduction of enterostomy prolapse
Reduction of intussusception of alimentary tract
  With:
    fluoroscopy
    ionizing radiation enema
    ultrasonography guidance
    Hydrostatic reduction
    Pneumatic reduction
Excludes: intra-abdominal manipulation of intestine, not otherwise specified (46.80)

Nonoperative alimentary tract irrigation, cleaning, and local instillation
Gastric cooling
  Gastric hypothermia
Gastric freezing
Gastric lavage
Other irrigation of (naso-)gastric tube
Gastric gavage
Irrigation of gastrostomy or enterostomy
Proctoclysis
Removal of impacted feces
  Removal of impaction:
    by flushing manually
Other transanal enema
  Rectal irrigation
Excludes: reduction of intussusception of alimentary tract by ionizing radiation enema (96.29)

Nonoperative irrigation, cleaning, and local instillation of other digestive and genitourinary organs
Irrigation of cholecystostomy and other biliary tube
Irrigation of pancreatic tube
Digestive tract instillation, except gastric gavage
Vaginal douche
Irrigation of nephrostomy and pyelostomy
Irrigation of ureterostomy and ureteral catheter
Irrigation of cystostomy
96.48  Irrigation of other indwelling urinary catheter

96.49  Other genitourinary instillation
   Insertion of prostaglandin suppository

96.5  Other nonoperative irrigation and cleaning

96.51  Irrigation of eye
   Irrigation of cornea
   Excludes: irrigation with removal of foreign body (98.21)

96.52  Irrigation of ear
   Irrigation with removal of cerumen

96.53  Irrigation of nasal passages

96.54  Dental scaling, polishing, and debridement
   Dental prophylaxis
   Plaque removal

96.55  Tracheostomy toilette

96.56  Other lavage of bronchus and trachea
   Excludes: diagnostic bronchoalveolar lavage (BAL)(33.24)
      whole lung lavage (33.99)

96.57  Irrigation of vascular catheter

96.58  Irrigation of wound catheter

96.59  Other irrigation of wound
   Wound cleaning NOS
   Excludes: debridement (86.22, 86.27-86.28)

96.6  Enteral infusion of concentrated nutritional substances

96.7  Other continuous invasive mechanical ventilation

   Includes:  BiPAP delivered through endotracheal tube or tracheostomy (invasive interface)
      CPAP delivered through endotracheal tube or tracheostomy (invasive interface)
      Endotracheal respiratory assistance
      Invasive positive pressure ventilation [IPPV]
      Mechanical ventilation through invasive interface
      That by tracheostomy
      Weaning of an intubated (endotracheal tube) patient

   Excludes: non-invasive bi-level positive airway pressure [BiPAP] (93.90)
      continuous negative pressure ventilation [CNP] (iron lung) (cuirass) (93.99)
      non-invasive continuous positive airway pressure [CPAP] (93.90)
      intermittent positive pressure breathing [IPPB] (93.91)
      non-invasive positive pressure (NIPPV) (93.90)
      that by face mask (93.90-93.99)
      that by nasal cannula (93.90-93.99)
      that by nasal catheter (93.90-93.99)

   Code also any associated:
      endotracheal tube insertion (96.04)
      tracheostomy (31.1-31.29)

   Note:  Endotracheal Intubation
To calculate the number of hours (duration) of continuous mechanical ventilation during a hospitalization, begin the count from the start of the (endotracheal) intubation. The duration ends with (endotracheal) extubation.

If a patient is intubated prior to admission, begin counting the duration from the time of the admission. If a patient is transferred (discharged) while intubated, the duration would end at the time of transfer (discharge).

For patients who begin on (endotracheal) intubation and subsequently have a tracheostomy performed for mechanical ventilation, the duration begins with the (endotracheal) intubation and ends when the mechanical ventilation is turned off (after the weaning period).

### Tracheostomy

To calculate the number of hours of continuous mechanical ventilation during a hospitalization, begin counting the duration when mechanical ventilation is started. The duration ends when the mechanical ventilator is turned off (after the weaning period).

If a patient has received a tracheostomy prior to admission and is on mechanical ventilation at the time of admission, begin counting the duration from the time of admission. If a patient is transferred (discharged) while still on mechanical ventilation via tracheostomy, the duration would end at the time of the transfer (discharge).

#### ICD-9-CM Tabular List of Procedures (FY12) with FY2013 & FY2014 Final Addenda applied

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<td>Continuous invasive mechanical ventilation for less than 96 consecutive hours</td>
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<td>Replacement and removal of therapeutic appliances</td>
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<td>Replacement of stent (tube) in biliary or pancreatic duct</td>
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<td>Strapping</td>
</tr>
<tr>
<td>97.15</td>
<td>Replacement of wound catheter</td>
</tr>
<tr>
<td>97.16</td>
<td>Replacement of wound packing or drain</td>
</tr>
</tbody>
</table>

Excludes: repacking of:
97.2 Other nonoperative replacement

97.21 Replacement of nasal packing
97.22 Replacement of dental packing
97.23 Replacement of tracheostomy tube
97.24 Replacement and refitting of vaginal diaphragm
97.25 Replacement of other vaginal pessary
97.26 Replacement of vaginal or vulvar packing or drain
97.29 Other nonoperative replacements

97.3 Nonoperative removal of therapeutic device from head and neck

97.31 Removal of eye prosthesis
Excludes: removal of ocular implan (16.71)
removal of orbital implan (16.72)
97.32 Removal of nasal packing
97.33 Removal of dental wiring
97.34 Removal of dental packing
97.35 Removal of dental prosthesis
97.36 Removal of other external mandibular fixation device
97.37 Removal of tracheostomy tube
97.38 Removal of sutures from head and neck
97.39 Removal of other therapeutic device from head and neck
Excludes: removal of skull tongs (02.94)

97.4 Nonoperative removal of therapeutic device from thorax

97.41 Removal of thoracotomy tube or pleural cavity drain
97.42 Removal of mediastinal drain
97.43 Removal of sutures from thorax
97.44 Nonoperative removal of heart assist system
Explantation [removal] of circulatory assist device
Explantation [removal] of percutaneous external heart assist device
Intra-aortic balloon pump [IABP]
Removal of extrinsic heart assist device
Removal of pVAD
Removal of percutaneous heart assist device
97.49 Removal of other device from thorax
Excludes: Endoscopic removal of bronchial device(s) or substances (33.78)
97.5  Nonoperative removal of therapeutic device from digestive system
  97.51 Removal of gastrostomy tube
  97.52 Removal of tube from small intestine
  97.53 Removal of tube from large intestine or appendix
  97.54 Removal of cholecystostomy tube
  97.55 Removal of T-tube, other bile duct tube, or liver tube
      Removal of bile duct stent
  97.56 Removal of pancreatic tube or drain
  97.59 Removal of other device from digestive system
      Removal of rectal packing

97.6  Nonoperative removal of therapeutic device from urinary system
  97.61 Removal of pyelostomy and nephrostomy tube
  97.62 Removal of ureterostomy tube and ureteral catheter
  97.63 Removal of cystostomy tube
  97.64 Removal of other urinary drainage device
      Removal of indwelling urinary catheter
  97.65 Removal of urethral stent
  97.69 Removal of other device from urinary system

97.7  Nonoperative removal of therapeutic device from genital system
  97.71 Removal of intrauterine contraceptive device
  97.72 Removal of intrauterine pack
  97.73 Removal of vaginal diaphragm
  97.74 Removal of other vaginal pessary
  97.75 Removal of vaginal or vulvar packing
  97.79 Removal of other device from genital tract
      Removal of sutures

97.8  Other nonoperative removal of therapeutic device
  97.81 Removal of retroperitoneal drainage device
  97.82 Removal of peritoneal drainage device
  97.83 Removal of abdominal wall sutures
  97.84 Removal of sutures from trunk, not elsewhere classified
  97.85 Removal of packing from trunk, not elsewhere classified
  97.86 Removal of other device from abdomen
97.87 Removal of other device from trunk
97.88 Removal of external immobilization device
   Removal of:
   - brace
   - cast
   - splint
97.89 Removal of other therapeutic device

98 Nonoperative removal of foreign body or calculus

98.0 Removal of intraluminal foreign body from digestive system without incision
Excludes: removal of therapeutic device (97.51-97.59)
   98.01 Removal of intraluminal foreign body from mouth without incision
   98.02 Removal of intraluminal foreign body from esophagus without incision
   98.03 Removal of intraluminal foreign body from stomach and small intestine without incision
   98.04 Removal of intraluminal foreign body from large intestine without incision
   98.05 Removal of intraluminal foreign body from rectum and anus without incision

98.1 Removal of intraluminal foreign body from other sites without incision
Excludes: removal of therapeutic device (97.31-97.49, 97.61-97.89)
   98.11 Removal of intraluminal foreign body from ear without incision
   98.12 Removal of intraluminal foreign body from nose without incision
   98.13 Removal of intraluminal foreign body from pharynx without incision
   98.14 Removal of intraluminal foreign body from larynx without incision
   98.15 Removal of intraluminal foreign body from trachea and bronchus without incision
Excludes: Endoscopic removal of bronchial device(s) or substances (33.78)
   98.16 Removal of intraluminal foreign body from uterus without incision
Excludes: removal of intrauterine contraceptive device (97.71)
   98.17 Removal of intraluminal foreign body from vagina without incision
   98.18 Removal of intraluminal foreign body from artificial stoma without incision
   98.19 Removal of intraluminal foreign body from urethra without incision

98.2 Removal of other foreign body without incision
Excludes: removal of intraluminal foreign body (98.01-98.19)
   98.20 Removal of foreign body, not otherwise specified
   98.21 Removal of superficial foreign body from eye without incision
   98.22 Removal of other foreign body without incision from head and neck
      Removal of embedded foreign body from eyelid or conjunctiva without incision
   98.23 Removal of foreign body from vulva without incision
98.24 Removal of foreign body from scrotum or penis without incision
98.25 Removal of other foreign body without incision from trunk except scrotum, penis, or vulva
98.26 Removal of foreign body from hand without incision
98.27 Removal of foreign body without incision from upper limb, except hand
98.28 Removal of foreign body from foot without incision
98.29 Removal of foreign body without incision from lower limb, except foot

98.5 Extracorporeal shockwave lithotripsy [ESWL]
- Lithotriptor tank procedure
- Disintegration of stones by extracorporeal induced shockwaves
  That with insertion of stent
98.51 Extracorporeal shockwave lithotripsy [ESWL] of the kidney, ureter and/or bladder
98.52 Extracorporeal shockwave lithotripsy [ESWL] of the gallbladder and/or bile duct
98.59 Extracorporeal shockwave lithotripsy of other sites

99 Other nonoperative procedures

99.0 Transfusion of blood and blood components
Code also for that done via catheter or cutdown (38.92-38.94)

99.00 Perioperative autologous transfusion of whole blood or blood components
  Intraoperative blood collection
  Postoperative blood collection
  Salvage
99.01 Exchange transfusion
  Transfusion:
    exsanguination
    replacement

99.02 Transfusion of previously collected autologous blood
  Blood component
99.03 Other transfusion of whole blood
  Transfusion:
    blood NOS
    hemodilution
    NOS
99.04 Transfusion of packed cells
99.05 Transfusion of platelets
  Transfusion of thrombocytes
99.06 Transfusion of coagulation factors
  Transfusion of antihemophilic factor
Excludes: infusion of 4-Factor Prothrombin Complex Concentrate (00.96)

99.07 Transfusion of other serum
  Transfusion of plasma
Excludes: injection [transfusion] of:
antivenin (99.16)
gamma globulin (99.14)

99.08 Transfusion of blood expander
   Transfusion of Dextran

99.09 Transfusion of other substance
   Transfusion of:
      blood surrogate
      granulocytes

Excludes: transplantation [transfusion] of bone marrow (41.00-41.09)

99.1 Injection or infusion of therapeutic or prophylactic substance
   Includes:
      injection or infusion given:
         hypodermically acting locally or systemically intramuscularly acting locally or systemically
         intravenously acting locally or systemically

99.10 Injection or infusion of thrombolytic agent
   Alteplase
   Anistreplase
   Reteplase
   Streptokinase
   Tenecteplase
   Tissue plasminogen activator (TPA)
   Urokinase

Excludes: aspirin - omit code
   GP IIB/IIIa plalet inhibitor (99.20)
   heparin (99.19)
   SuperSaturated oxygen therapy (00.49)
   warfarin - omit code

99.11 Injection of Rh immune globulin
   Injection of:
      Anti-D (Rhesus) globulin
      RhoGAM

99.12 Immunization for allergy
   Desensitization

99.13 Immunization for autoimmune disease

99.14 Injection or infusion of immunoglobulin
   Injection of immune sera
   Injection or infusion of gamma globulin

99.15 Parenteral infusion of concentrated nutritional substances
   Hyperalimentation
   Total parenteral nutrition [TPN]
   Peripheral parenteral nutrition [PPN]

99.16 Injection of antidote
   Injection of:
      antivenin
      heavy metal antagonist

99.17 Injection of insulin
99.18 Injection or infusion of electrolytes

99.19 Injection of anticoagulant
   Excludes: infusion of drotrecogin alfa (activated) (00.11)

99.2 Injection or infusion of other therapeutic or prophylactic substance
   Includes: injection or infusion given:
   - hypodermically acting locally or systemically
   - intramuscularly acting locally or systemically
   - intravenously acting locally or systemically

   Code also for:
   injection (into):
   - breast (85.92)
   - bursa (82.94, 83.96)
   - intraperitoneal (cavity) (54.97)
   - intrathecal (03.92)
   - joint (76.96, 81.92)
   - kidney (55.96)
   - liver (50.94)
   - orbit (16.91)
   - other sites -- see Alphabetic Index

   perfusion:
   - NOS (39.97)
   - intestine (46.95, 46.96)
   - kidney (55.95)
   - liver (50.93)
   - total body (39.96)

   Excludes: SuperSaturated oxygen therapy (00.49)

99.20 Injection or infusion of platelet inhibitor
   Glycoprotein IIb/IIIa inhibitor
   GP IIb/IIIa inhibitor
   GP IIb-IIIa inhibitor
   Excludes: infusion of heparin (99.19)
   injection or infusion of thrombolytic agent (99.10)

99.21 Injection of antibiotic
   Excludes: injection or infusion of oxazolidinone class of antibiotics (00.14)

99.22 Injection of other anti-infective
   Excludes: injection or infusion of oxazolidinone class of antibiotics (00.14)

99.23 Injection of steroid
   Injection of cortisone
   Subdermal implantation of progesterone

99.24 Injection of other hormone

99.25 Injection or infusion of cancer chemotherapeutic substance
   Chemoembolization
   Injection or infusion of antineoplastic agent
   Use additional code: for disruption of blood brain barrier, if performed [BBBD] (00.19)
   Excludes: immunotherapy, antineoplastic (00.15, 99.28)
   implantation of chemotherapeutic agent (00.10)
injection of radioisotope (92.28)
injection or infusion of biological response modifier [BRM] as an antineoplastic agent (99.28)
intravenous infusion of clofarabine (17.70)

99.26 Injection of tranquilizer
99.27 Iontophoresis

99.28 Injection or infusion of biological response modifier [BRM] as an antineoplastic agent
Immunotherapy, antineoplastic
Infusion of cintredekin besudotox
Interleukin therapy
Low-dose interleukin-2 (IL-2) therapy
Tumor vaccine
Excludes: high-dose infusion interleukin-2 [IL-2] (00.15)

99.29 Injection or infusion of other therapeutic or prophylactic substance
Excludes: administration of neuroprotective agent (99.75)
immunization (99.31-99.59)
infusion of blood brain barrier disruption substance (00.19)
injection of sclerosing agent into:
esophageal varices (42.33)
hemorrhoids (49.42)
veins (39.92)
injection or infusion of human B-type natriuretic peptide (hBNP) (00.13)
injection or infusion of nesiritide (00.13)
injection or infusion of platelet inhibitor (99.20)
injection or infusion of thrombolytic agent (99.10)
uterine artery embolization without coils (68.25)

99.3 Prophylactic vaccination and inoculation against certain bacterial diseases

99.31 Vaccination against cholera
99.32 Vaccination against typhoid and paratyphoid fever
Administration of TAB vaccine
99.33 Vaccination against tuberculosis
Administration of BCG vaccine
99.34 Vaccination against plague
99.35 Vaccination against tularemia
99.36 Administration of diphtheria toxoid
Excludes: administration of:
diphtheria antitoxin (99.58)
diphtheria-tetanus-pertussis, combined (99.39)

99.37 Vaccination against pertussis
Excludes: administration of diphtheria tetanus-pertussis, combined (99.39)

99.38 Administration of tetanus toxoid
Excludes: administration of:
diphtheria-tetanus-pertussis, combined (99.39)
tetanus antitoxin (99.56)
99.39  Administration of diphtheria-tetanus-pertussis, combined
99.4  Prophylactic vaccination and inoculation against certain viral diseases
  99.41  Administration of poliomyelitis vaccine
  99.42  Vaccination against smallpox
  99.43  Vaccination against yellow fever
  99.44  Vaccination against rabies
  99.45  Vaccination against measles
  Excludes: administration of measles-mumps-rubella vaccine (99.48)
  99.46  Vaccination against mumps
  Excludes: administration of measles-mumps-rubella vaccine (99.48)
  99.47  Vaccination against rubella
  Excludes: administration of measles-mumps-rubella vaccine (99.48)
  99.48  Administration of measles-mumps-rubella vaccine
99.5  Other vaccination and inoculation
  99.51  Prophylactic vaccination against the common cold
  99.52  Prophylactic vaccination against influenza
  99.53  Prophylactic vaccination against arthropod-borne viral encephalitis
  99.54  Prophylactic vaccination against other arthropod-borne viral diseases
  99.55  Prophylactic administration of vaccine against other diseases
  Vaccination against:
  - anthrax
  - brucellosis
  - Rocky Mountain spotted fever
  - Staphylococcus
  - Streptococcus
  - typhus
  99.56  Administration of tetanus antitoxin
  99.57  Administration of botulism antitoxin
  99.58  Administration of other antitoxins
  Administration of:
  - diphtheria antitoxin
  - gas gangrene antitoxin
  - scarlet fever antitoxin
  99.59  Other vaccination and inoculation
  Vaccination NOS
  Excludes: injection of:
  - gamma globulin (99.14)
  - Rh immune globulin (99.11)
  immunization for:
  - allergy (99.12)
99.13 Autoimmune disease

99.6 Conversion of cardiac rhythm

Excludes: open chest cardiac:
- electric stimulation (37.91)
- massage (37.91)

99.60 Cardiopulmonary resuscitation, not otherwise specified

99.61 Atrial cardioversion

99.62 Other electric countershock of heart
- Cardioversion:
  - NOS
  - external
- Conversion to sinus rhythm
- Defibrillation
- External electrode stimulation

99.63 Closed chest cardiac massage
- Cardiac massage NOS
- Manual external cardiac massage

99.64 Carotid sinus stimulation

99.69 Other conversion of cardiac rhythm

99.7 Therapeutic apheresis or other injection, administration, or infusion of other therapeutic or prophylactic substance

99.71 Therapeutic plasmapheresis

Excludes: extracorporeal immunoadsorption [ECI]  99.76

99.72 Therapeutic leukopheresis
- Therapeutic leukocytapheresis

99.73 Therapeutic erythrocytapheresis
- Therapeutic erythropheresis

99.74 Therapeutic plateletapheresis

99.75 Administration of neuroprotective agent

99.76 Extracorporeal immunoadsorption
- Removal of antibodies from plasma with protein A columns

99.77 Application or administration of adhesion barrier substance

99.78 Aquapheresis
- Plasma water removal
- Ultrafiltration [for water removal]

Excludes: hemodiafiltration (39.95)
- hemodialysis (39.95)
- therapeutic plasmapheresis (99.71)

99.79 Other
- Apheresis (harvest) of stem cells

99.8 Miscellaneous physical procedures
99.81 Hypothermia (central) (local)
Excludes: gastric cooling (96.31)
    gastric freezing (96.32)
that incidental to open heart surgery (39.62)

99.82 Ultraviolet light therapy
    Actinotherapy

99.83 Other phototherapy
    Phototherapy of the newborn
Excludes: extracorporeal photochemotherap (99.88)

99.84 Isolation
    Isolation after contact with infectious disease
    Protection of individual from his surroundings
    Protection of surroundings from individual

99.85 Hyperthermia for treatment of cancer
    Hyperthermia (adjunct therapy) induced by microwave, ultrasound, low energy radio
    frequency, probes (interstitial), or other means in the treatment of cancer
Code also any concurrent chemotherapy or radiation therapy

99.86 Non-invasive placement of bone growth stimulator
    Transcutaneous (surface) placement of pads or patches for stimulation to aid bone
    healing
Excludes: insertion of invasive or semi invasive bone growth stimulators (device) (percutaneous
    electrodes) (78.90-78.99)

99.88 Therapeutic photopheresis
    Extracorporeal photochemotherapy
    Extracorporeal photopheresis
Excludes: other phototherapy (99.83)
    ultraviolet light therap (99.82)

99.9 Other miscellaneous procedures

99.91 Acupuncture for anesthesia

99.92 Other acupuncture
Excludes: that with smouldering mox (93.35)

99.93 Rectal massage (for levator spasm)

99.94 Prostatic massage

99.95 Stretching of foreskin

99.96 Collection of sperm for artificial insemination

99.97 Fitting of denture

99.98 Extraction of milk from lactating breast

99.99 Other
    Leech therapy