INTRODUCTION


ICD-9-CM is a clinical modification of the World Health Organization's International Classification of Diseases, 9th Revision (ICD-9). The term "clinical" is used to emphasize the modification's intent: to serve as a useful tool in the area of classification of morbidity data for indexing of medical records, medical care review, and ambulatory and other medical care programs, as well as for basic health statistics. To describe the clinical picture of the patient, the codes must be more precise than those needed only for statistical groupings and trend analysis.

THE ICD-9-CM COORDINATION AND MAINTENANCE COMMITTEE

Annual modifications are made to the ICD-9-CM through the ICD-9-CM Coordination and Maintenance Committee (C&M). The Committee is made up of representatives from two Federal Government agencies, the National Center for Health Statistics and the Centers for Medicare & Medicaid Services. The Committee holds meetings twice a year which are open to the public. Modification proposals submitted to the Committee for consideration are presented at the meetings for public discussion. Those modification proposals which are approved are incorporated into the official government version of the ICD-9-CM and become effective for use the October 1 of the year following their presentation. This CD-ROM contains the modifications approved from the March 2008 - March 2009 C&M cycle.

This CD-ROM is the only official federal government version of the ICD-9-CM. It may be purchased through the Government Printing Office.

CONVENTIONS USED IN THE TABULAR LIST

The ICD-9-CM Tabular List for both the Disease and Procedure Classification makes use of certain abbreviations, punctuation, and other conventions which need to be clearly understood.

Abbreviations

**NEC** Not elsewhere classifiable. The category number for the term including NEC is to be used only when the coder lacks the information necessary to code the term to a more specific category.

**NOS** Not otherwise specified. This abbreviation is the equivalent of "unspecified."

Punctuation

[ ] Brackets are used to enclose synonyms, alternative wordings, or explanatory phrases.
Parentheses are used to enclose supplementary words which may be present or absent in the statement of a disease or procedure without affecting the code number to which it is assigned.

Colons are used in the Tabular List after an incomplete term which needs one or more of the modifiers which follow in order to make it assignable to a given category.

OTHER CONVENTIONS


Instructional Notations
Includes:
This note appears immediately under a three-digit code title to further define, or give example of, the contents of the category.

Excludes:
Terms following the word "excludes" are to be coded elsewhere. The term excludes means "DO NOT CODE HERE".

Use additional code
This instruction is placed in the Tabular List in those categories where the user will need to add further information (by using an additional code) to give a more complete picture of the diagnosis or procedure.

GUIDANCE IN THE USE OF ICD-9-CM

To code accurately, it is necessary to have a working knowledge of medical terminology and to understand the characteristics, terminology, and conventions of the ICD-9-CM. Transforming verbal descriptions of diseases, injuries, conditions, and procedures into numerical designations (coding) is a complex activity and should not be undertaken without proper training.

Originally coding was accomplished to provide access to medical records by diagnoses and operations through retrieval for medical research, education, and administration. Medical codes today are utilized to facilitate payment of health services, to evaluate utilization patterns, and to study the appropriateness of health care costs. Coding provides the bases for epidemiological studies and research into the quality of health care.

Coding must be performed correctly and consistently to produce meaningful statistics to aid in the planning for the health needs of the Nation.

QUESTIONS

Questions regarding the use and interpretation of the International Classification of Diseases, 9th Revision, Clinical Modification can be directed to any of the organizations listed below.

Central Office on ICD-9-CM
American Hospital Association
1 North Franklin Chicago, Illinois 60606

National Center for Health Statistics
Centers for Disease Control and Prevention
Department of Health and Human Services
3311 Toledo Road
Hyattsville, Maryland 20782

Centers for Medicare & Medicaid Services
Division of Prospective Payment System
Office of Hospital Policy
7500 Security Blvd., C5-06-27
Baltimore, Maryland 21244-1850
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CLASSIFICATION OF PROCEDURES
00 Procedures and interventions, Not Elsewhere Classified

00.0 Therapeutic ultrasound

Excludes: diagnostic ultrasound (non-invasive) (88.71-88.79) intracardiac echocardiography [ICE] (heart chamber(s)) (37.28) intravascular imaging (adjunctive) (00.21-00.29)

00.01 Therapeutic ultrasound of vessels of head and neck

Anti-restenotic ultrasound
Intravascular non-ablative ultrasound

Excludes: diagnostic ultrasound of:
  eye (95.13)
  head and neck (88.71)
  that of inner ear (20.79)
ultrasonic:
  angioplasty of non-coronary vessel (39.50)
  embolectomy (38.01, 38.02)
  endarterectomy (38.11, 38.12)
  thrombectomy (38.01, 38.02)

00.02 Therapeutic ultrasound of heart

Anti-restenotic ultrasound
Intravascular non-ablative ultrasound

Excludes: diagnostic ultrasound of heart (88.72)
ultrasonic ablation of heart lesion (37.34)
ultrasonic angioplasty of coronary vessels (00.66, 36.09)

00.03 Therapeutic ultrasound of peripheral vascular vessels

Anti-restenotic ultrasound
Intravascular non-ablative ultrasound

Excludes: diagnostic ultrasound of peripheral vascular system (88.77)
ultrasonic angioplasty of:
  non-coronary vessel (39.50)

00.09 Other therapeutic ultrasound

Excludes: ultrasonic:
  fragmentation of urinary stones (59.95)
  percutaneous nephrostomy with fragmentation (55.04)
  physical therapy (93.35)
  transurethral guided laser induced prostatectomy (TULIP) (60.21)

00.1 Pharmaceuticals

00.10 Implantation of chemotherapeutic agent

Brain wafer chemotherapy
Interstitial/ intracavitary

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

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 immunosupressor 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: therapeutic ultrasound (00.01-00.09)
     adjunct vascular system procedures, number of vessels treated
     (00.40 –00.43)
     diagnostic procedures on blood vessels (38.21 – 38.29)
     diagnostic ultrasound of peripheral vascular system (88.77)
     magnetic resonance imaging (MRI) (88.91-88.97)
     intravascular imaging of vessel(s) by OCT (38.24-38.25)

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
   Vena cava (superior) (inferior)
   Excludes: diagnostic ultrasound (non-invasive) of other sites of thorax
     (88.73)
00.23 Intravascular imaging of peripheral vessels
   Imaging of:
   vessels of arm(s)
   vessels of leg(s)
   Intravascular ultrasound (IVUS), peripheral vessels

   Excludes: diagnostic ultrasound (non-invasive) of peripheral vascular system (88.77)

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

   Excludes: diagnostic ultrasound (non-invasive) of heart (88.72)
   intracardiac echocardiography [ICE] (ultrasound of heart chamber(s)) (37.28)

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

   Excludes: diagnostic ultrasound (non-invasive) of urinary system (88.75)

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

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)

### Procedure on single vessel (00.40)

- Number of vessels, unspecified

  **Excludes:**
  - (Aorto) coronary bypass (36.10-36.19)
  - Intravascular imaging of blood vessels (00.21-00.29)

### Procedure on two vessels (00.41)

- Number of vessels, unspecified

  **Excludes:**
  - (Aorto) coronary bypass (36.10-36.19)
  - Intravascular imaging of blood vessels (00.21-00.29)

### Procedure on three vessels (00.42)

- Number of vessels, unspecified

  **Excludes:**
  - (Aorto) coronary bypass (36.10-36.19)
  - Intravascular imaging of blood vessels (00.21-00.29)

### Procedure on four or more vessels (00.43)

- Number of vessels, unspecified

  **Excludes:**
  - (Aorto) coronary bypass (36.10-36.19)
  - Intravascular imaging of blood vessels (00.21-00.29)

### Procedure on vessel bifurcation (00.44)

- Number of vessels, unspecified

  **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.

### Insertion of one vascular stent (00.45)

- Number of stents, unspecified

### Insertion of two vascular stents (00.46)

### Insertion of three vascular stents (00.47)

### Insertion of four or more vascular stents (00.48)

### SuperSaturated oxygen therapy (00.49)

- Aqueous oxygen (AO) therapy
- SSO2
- 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 vessels(s) (39.50)
atherectomy of other non-coronary vessels(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)  
percutaneous atherectomy of extracranial vessel(s) (17.53)  
percutaneous insertion of carotid artery stent(s) (00.63)
percutaneous insertion of other extracranial artery stent(s) (00.64)
number of vascular stents inserted (00.45 – 00.48)
number of vessels treated (00.40 – 00.43)
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)
  percutaneous atherectomy of intracranial vessel(s) (17.54)
  percutaneous insertion of intracranial stent(s) (00.65)
  number of vascular stents inserted (00.45 – 00.48)
  number of vessels treated (00.40 – 00.43)
  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 or atherectomy 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)
Includes the use of any embolic protection device, distal protection device, filter device, or stent delivery system
Basilar stent
Code also any:
  number of vascular stents inserted (00.45 – 00.48)
  number of vessels treated (00.40 – 00.43)
  percutaneous angioplasty 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)
  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 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

That by:

brainstem auditory evoked potentials [BAEP]
electroencephalogram [EEG]
electromyogram [EMG]
motor evoked potentials [MEP]
nerve conduction study
somatosensory evoked potentials [SSEP]
transcranial Doppler

Includes: Cranial nerve, peripheral nerve and spinal cord testing performed intra-operatively
Intra-operative neurophysiologic testing
IOM
Nerve monitoring
Neuromonitoring

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)
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: cerebral:
      arteriography (88.41)
      thermography (88.81)
      contrast radiogram of brain (87.01-87.02)
      echoencephalogram (88.71)
      electroencephalogram (89.14)
      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)  

brain temperature monitoring (01.17)  
intracranial oxygen monitoring (01.16)  
intracranial pressure monitoring (01.10)

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

### 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
- cistern 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
Ventriculoperitoneostomy

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**
*Excludes:* revision of distal catheter of ventricular shunt (54.95)

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

04.4  Lysis of adhesions and decompression of cranial and peripheral nerves
04.41 Decompression of trigeminal nerve root
04.42 Other cranial nerve decompression
04.43 Release of carpal tunnel
04.44 Release of tarsal tunnel
04.49 Other peripheral nerve or ganglion decompression or lysis of adhesions
    Peripheral nerve neurolysis NOS

04.5 Cranial or peripheral nerve graft

04.6 Transposition of cranial and peripheral nerves
    Nerve transplantation

04.7 Other cranial or peripheral neuroplasty
    04.71 Hypoglossal-facial anastomosis
    04.72 Accessory-facial anastomosis
    04.73 Accessory-hypoglossal anastomosis
    04.74 Other anastomosis of cranial or peripheral nerve
    04.75 Revision of previous repair of cranial and peripheral nerves
    04.76 Repair of old traumatic injury of cranial and peripheral nerves
    04.79 Other neuroplasty

04.8 Injection into peripheral nerve
    Excludes: destruction of nerve (by injection of neurolytic agent) (04.2)
    04.80 Peripheral nerve injection, not otherwise specified
    04.81 Injection of anesthetic into peripheral nerve for analgesia
        Excludes: that for operative anesthesia --omit code
    04.89 Injection of other agent, except neurolytic
        Excludes: injection of neurolytic agent (04.2)

04.9 Other operations on cranial and peripheral nerves
    04.91 Neurectasis
    04.92 Implantation or replacement of peripheral neurostimulator lead(s)
        Code also any insertion of neurostimulator pulse generator (86.94-86.98)
        Excludes: implantation or replacement of carotid sinus stimulation lead(s) (39.82)
    04.93 Removal of peripheral neurostimulator lead(s)
        Code also any removal of neurostimulator pulse generator (86.05)
    04.99 Other

05 Operations on sympathetic nerves or ganglia
    Excludes: paracervical uterine denervation (69.3)

05.0 Division of sympathetic nerve or ganglion
    Excludes: that of nerves to adrenal glands (07.42)
05.1 Diagnostic procedures on sympathetic nerves or ganglia
   05.11 Biopsy of sympathetic nerve or ganglion
   05.19 Other diagnostic procedures on sympathetic nerves or ganglia

05.2 Sympathectomy
   05.21 Sphenopalatine ganglionectomy
   05.22 Cervical sympathectomy
   05.23 Lumbar sympathectomy
   05.24 Presacral sympathectomy
   05.25 Periarterial sympathectomy
   05.29 Other sympathectomy and ganglionectomy
      Excision or avulsion of sympathetic nerve NOS
      Sympathetic ganglionectomy NOS
      *Excludes: biopsy of sympathetic nerve or ganglion (05.11)*
      *opticociliary neurectomy (12.79)*
      *periarterial sympathectomy (05.25)*
      *tympanosympathectomy (20.91)*

05.3 Injection into sympathetic nerve or ganglion
   *Excludes: injection of ciliary sympathetic ganglion (12.79)*
   05.31 Injection of anesthetic into sympathetic nerve for analgesia
   05.32 Injection of neurolytic agent into sympathetic nerve
   05.39 Other injection into sympathetic nerve or ganglion

05.8 Other operations on sympathetic nerves or ganglia
   05.81 Repair of sympathetic nerve or ganglion
   05.89 Other

05.9 Other operations on nervous system
06 Operations on thyroid and parathyroid glands
Includes: incidental resection of hyoid bone

06.0 Incision of thyroid field
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 (39.81-39.89)
oviducts (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
   Adrenolotomy (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:
    verucca
    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
<table>
<thead>
<tr>
<th>Procedure Description</th>
<th>Code</th>
</tr>
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<tbody>
<tr>
<td>Repair of entropion or ectropion</td>
<td>08.4</td>
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<tr>
<td>Repair of entropion or ectropion by thermocauterization</td>
<td>08.41</td>
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<tr>
<td>Repair of entropion or ectropion by suture technique</td>
<td>08.42</td>
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<tr>
<td>Repair of entropion or ectropion with wedge resection</td>
<td>08.43</td>
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<tr>
<td>Repair of entropion or ectropion with lid reconstruction</td>
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<tr>
<td>Other repair of entropion or ectropion</td>
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<tr>
<td>Other adjustment of lid position</td>
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<tr>
<td>Canthotomy</td>
<td>08.51</td>
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<tr>
<td>Enlargement of palpebral fissure</td>
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<tr>
<td>Blepharorrhaphy</td>
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<tr>
<td>Canthorrhaphy</td>
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<tr>
<td>Tarsorrhaphy</td>
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<tr>
<td>Other</td>
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<tr>
<td>Canthoplasty NOS</td>
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<tr>
<td>Repair of epicanthal fold</td>
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<tr>
<td>Reconstruction of eyelid with flaps or grafts</td>
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<tr>
<td>Excludes: that associated with repair of entropion and ectropion (08.44)</td>
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<tr>
<td>Reconstruction of eyelid with skin flap or graft</td>
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<td>Reconstruction of eyelid with mucous membrane flap or graft</td>
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<tr>
<td>Reconstruction of eyelid with hair follicle graft</td>
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<tr>
<td>Reconstruction of eyelid with tarsoconjunctival flap</td>
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<tr>
<td>Transfer of tarsoconjunctival flap from opposing lid</td>
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<tr>
<td>Other reconstruction of eyelid with flaps or grafts</td>
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<tr>
<td>Other reconstruction of eyelid</td>
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<tr>
<td>Excludes: that associated with repair of entropion and ectropion (08.44)</td>
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<tr>
<td>Reconstruction of eyelid, not otherwise specified</td>
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<tr>
<td>Reconstruction of eyelid involving lid margin, partial-thickness</td>
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<td>Other reconstruction of eyelid, partial-thickness</td>
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<tr>
<td>Reconstruction of eyelid involving lid margin, full-thickness</td>
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<td>Other reconstruction of eyelid involving lid margin, full-thickness</td>
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<td>Other reconstruction of eyelid, full-thickness</td>
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<tr>
<td>Other repair of eyelid</td>
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<tr>
<td>Linear repair of laceration of eyelid or eyebrow</td>
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<tr>
<td>Repair of laceration involving lid margin, partial-thickness</td>
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<td>Other repair of laceration of eyelid, partial-thickness</td>
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<tr>
<td>Repair of laceration involving lid margin, full-thickness</td>
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<td>Other repair of laceration of eyelid, full-thickness</td>
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<td>Lower eyelid rhytidectomy</td>
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<td>Upper eyelid rhytidectomy</td>
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<tr>
<td>Other eyelid repair</td>
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</tbody>
</table>
08.9 Other operations on eyelids
   08.91 Electrosurgical epilation of eyelid
   08.92 Cryosurgical epilation of eyelid
   08.93 Other epilation of eyelid
   08.99 Other

09 Operations on lacrimal system

09.0 Incision of lacrimal gland
   Incision of lacrimal cyst (with drainage)

09.1 Diagnostic procedures on lacrimal system
   09.11 Biopsy of lacrimal gland
   09.12 Biopsy of lacrimal sac
   09.19 Other diagnostic procedures on lacrimal system
      Excludes: contrast dacryocystogram (87.05)  
      soft tissue x-ray of nasolacrimal duct (87.09)

09.2 Excision of lesion or tissue of lacrimal gland
   09.20 Excision of lacrimal gland, not otherwise specified
   09.21 Excision of lesion of lacrimal gland
      Excludes: biopsy of lacrimal gland (09.11)
   09.22 Other partial dacryoadenectomy
      Excludes: biopsy of lacrimal gland (09.11)
   09.23 Total dacryoadenectomy

09.3 Other operations on lacrimal gland

09.4 Manipulation of lacrimal passage
   Includes: removal of calculus
      that with dilation
      Excludes: contrast dacryocystogram (87.05)
   09.41 Probing of lacrimal punctum
   09.42 Probing of lacrimal canaliculi
   09.43 Probing of nasolacrimal duct
      Excludes: that with insertion of tube or stent (09.44)
   09.44 Intubation of nasolacrimal duct
      Insertion of stent into nasolacrimal duct
   09.49 Other manipulation of lacrimal passage

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)
      thermocoauterization 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
   \textit{Excludes}: revision of enucleation socket (16.64)

10.44 Other free graft to conjunctiva

10.49 Other conjunctivoplasty
   \textit{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
   \textit{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
   \textit{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
      \textit{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
      \textit{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

*Excludes:* operations on cornea *(11.0-11.99)*

12.0 Removal of intraocular foreign body from anterior segment of eye

12.00 Removal of intraocular foreign body from anterior segment of eye, not otherwise specified
12.01 Removal of intraocular foreign body from anterior segment of eye with use of magnet
12.02 Removal of intraocular foreign body from anterior segment of eye without use of magnet

12.1 Iridotomy and simple iridectomy

*Excludes:* iridectomy associated with:
   cataract extraction *(13.11-13.69)*
   removal of lesion *(12.41-12.42)*
   scleral fistulization *(12.61-12.69)*

12.11 Iridotomy with transfixion
12.12 Other iridotomy
   Corectomy
   Discission of iris
   Iridotomy NOS

12.13 Excision of prolapsed iris

12.14 Other iridectomy
   Iridectomy (basal) (peripheral) (total)

12.2 Diagnostic procedures on iris, ciliary body, sclera, and anterior chamber

12.21 Diagnostic aspiration of anterior chamber of eye

12.22 Biopsy of iris

12.29 Other diagnostic procedures on iris, ciliary body, sclera, and anterior chamber

12.3 Iridoplasty and coreoplasty

12.31 Lysis of goniosynechiae
   Lysis of goniosynechiae by injection of air or liquid

12.32 Lysis of other anterior synechiae
   Lysis of anterior synechiae:
   NOS
   by injection of air or liquid

12.33 Lysis of posterior synechiae
   Lysis of iris adhesions NOS

12.34 Lysis of corneo vitreal adhesions

12.35 Coreoplasty
   Needling of pupillary membrane

12.39 Other iridoplasty

12.4 Excision or destruction of lesion of iris and ciliary body

12.40 Removal of lesion of anterior segment of eye, not otherwise specified

12.41 Destruction of lesion of iris, nonexcisional
   Destruction of lesion of iris by:
   cauterization
   cryotherapy
   photocoagulation

12.42 Excision of lesion of iris
   *Excludes:* biopsy of iris (12.22)

12.43 Destruction of lesion of ciliary body, nonexcisional

12.44 Excision of lesion of ciliary body

12.5 Facilitation of intraocular circulation

12.51 Goniopuncture without goniotomy

12.52 Goniotomy without goniopuncture

12.53 Goniotomy with goniopuncture

12.54 Trabeculotomy ab externo
12.55  Cyclodialysis
12.59  Other facilitation of intraocular circulation

12.6  Scleral fistulization

*Excludes: exploratory sclerotomy (12.89)*

12.61  Trephination of sclera with iridectomy
12.62  Thermocoagulation of sclera with iridectomy
12.63  Iridencleisis and iridotasis
12.64  Trabeculectomy ab externo
12.65  Other scleral fistulization with iridectomy
12.66  Postoperative revision of scleral fistulization procedure

  Revision of filtering bleb

  *Excludes: repair of fistula (12.82)*

12.67  Insertion of aqueous drainage device

  Anterior chamber drainage device
  Aqueous drainage shunt or stent
  Eye valve implant
  Filtration canal shunt or device

12.69  Other fistulizing procedure

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 anteriorssegment, 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

13 Operations on lens

13.0 Removal of foreign body from lens
   
   Excludes: removal of pseudophakos (13.8)

13.00 Removal of foreign body from lens, not otherwise specified
13.01 Removal of foreign body from lens with use of magnet
13.02 Removal of foreign body from lens without use of magnet

13.1 Intracapsular extraction of lens
   Code also any synchronous insertion of pseudophakos (13.71)

13.11 Intracapsular extraction of lens by temporal inferior route
13.19 Other intracapsular extraction of lens
   Cataract extraction NOS
   Cryoextraction of lens
   Erysiphaque extraction of cataract
   Extraction of lens NOS

13.2 Extracapsular extraction of lens by linear extraction technique
   Code also any synchronous insertion of pseudophakos (13.71)

13.3 Extracapsular extraction of lens by simple aspiration (and irrigation) technique
   
   Irrigation of traumatic cataract
   
   Code also any synchronous insertion of pseudophakos (13.71)

13.4 Extracapsular extraction of lens by fragmentation and aspiration technique
   Code also any synchronous insertion of pseudophakos (13.71)

13.41 Phacoemulsification and aspiration of cataract
13.42 Mechanical phacofragmentation and aspiration of cataract by posterior route
   
   Code also any synchronous vitrectomy (14.74)
13.43 Mechanical phacoemulsification and other aspiration of cataract

13.5 Other extracapsular extraction of lens
   Code also any synchronous insertion of pseudophakos (13.71)
   13.51 Extracapsular extraction of lens by temporal inferior route
   13.59 Other extracapsular extraction of lens

13.6 Other cataract extraction
   Code also any synchronous insertion of pseudophakos (13.71)
   13.64 Dissection of secondary membrane [after cataract]
   13.65 Excision of secondary membrane [after cataract] (Capsulectomy)
   13.66 Mechanical fragmentation of secondary membrane [after cataract]
   13.69 Other cataract extraction

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
      Destruction of lesion of retina and choroid NOS

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 Operations on vitreous
   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
      Orbitotomy with lateral approach
   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 temporalis 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)
   prescription 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
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
Laparoscopic repair of direct and indirect 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 hemicolectomy

17.34 Laparoscopic resection of transverse colon

17.35 Laparoscopic left hemicolectomy

17.36 Laparoscopic sigmoidectomy

17.39 Other laparoscopic partial excision of large intestine

17.4 Robotic assisted procedures

Computer assisted robotic surgery
Computer-enhanced robotic surgery
Robotic procedure with computer assistance
Surgeon-controlled robotic surgery

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.
OTHER MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES (17)

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: angiplasty of other non-coronary vessel(s) (39.50)*

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: angiplasty of other non-coronary vessel(s) (39.50)*

17.55 **Transluminal coronary atherectomy**

- Directional atherectomy
- Excimer laser atherectomy
- Rotational atherectomy
- That by laser
- That by percutaneous approach
- That by transluminal extraction
OTHER MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES (17)

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 of
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 devices (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)

18  **Operations on external ear**  
Includes: operations on:  
- external auditory canal  
- skin and cartilage of:  
  - auricle  
  - meatus

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
   Transcral stapes mobilization
   Excludes: that with synchronous stapedectomy (19.11-19.19)

19.1 Stapedectomy
   Excludes: revision of previous stapedectomy (19.21-19.29)
   stapes mobilization only (19.0)

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
   Tymanoplasty (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
ICD-9-CM TABULAR LIST OF PROCEDURES (FY15)

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 (transtympanic)
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
   Repair or removal of cochlear prosthetic device (receiver) (electrode)
   Attachment of percutaneous abutment (screw) for prosthetic device

   \textit{Excludes:} adjustment (external components) of cochlear prosthetic
device \textit{(95.49)}
   fitting of hearing aid \textit{(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 sinusectomy
    
    *(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
  21.85 Augmentation rhinoplasty
    Augmentation rhinoplasty with:
    graft
    synthetic implant
  21.86 Limited rhinoplasty
    Plastic repair of nasolabial flaps
    Tip rhinoplasty
  21.87 Other rhinoplasty
    Rhinoplasty NOS
  21.88 Other septrhaphy
    Crushing of nasal septum
    Repair of septal perforation
    *Excludes:* septrhaphy associated with submucous resection of septum
    *(21.5)*
  21.89 Other repair and plastic operations on nose
    Reattachment of amputated nose

21.9 Other operations on nose
  21.91 Lysis of adhesions of nose
    Posterior nasal scrub

Excludes: turbinectomy associated with sinusectomy

*(22.31-22.39, 22.42, 22.60-22.64)*

*Excludes:* septrhaphy associated with submucous resection of septum

*(21.5)*
21.99 Other

Excludes: dilation of frontonasal duct (96.21)
irrigation of nasal passages (96.53)
removal of:
  intraluminal foreign body without incision (98.12)
nasal packing (97.32)
replacement of nasal packing (97.21)

22 Operations on nasal sinuses

22.0 Aspiration and lavage of nasal sinus

22.00 Aspiration and lavage of nasal sinus, not otherwise specified
22.01 Puncture of nasal sinus for aspiration or lavage
22.02 Aspiration or lavage of nasal sinus through natural ostium

22.1 Diagnostic procedures on nasal sinus

22.11 Closed [endoscopic] [needle] biopsy of nasal sinus
22.12 Open biopsy of nasal sinus
22.19 Other diagnostic procedures on nasal sinuses
  Endoscopy without biopsy
  Excludes: transillumination of sinus (89.35)
  x-ray of sinus (87.15-87.16)

22.2 Intranasal antrotomy

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 alveoli
     **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)

25 Operations on tongue

25.0 Diagnostic procedures on tongue
   25.01 Closed [needle] biopsy of tongue
   25.02 Open biopsy of tongue
      - Wedge biopsy
   25.09 Other diagnostic procedures on tongue

25.1 Excision or destruction of lesion or tissue of tongue

   Excludes: biopsy of tongue (25.01-25.02)
   - frenumectomy:
     labial (27.41)
     lingual (25.92)

25.2 Partial glossectomy

25.3 Complete glossectomy
   - Glossectomy NOS
   - Code also any neck dissection (40.40-40.42)
25.4 Radical glossectomy
   Code also any:
   neck dissection (40.40-40.42)
   tracheostomy (31.1-31.29)

25.5 Repair of tongue and glossoplasty
   25.51 Suture of laceration of tongue
   25.59 Other repair and plastic operations on tongue
      Fascial sling of tongue
      Fusion of tongue (to lip)
      Graft of mucosa or skin to tongue
      Excludes: lysis of adhesions of tongue (25.93)

25.9 Other operations on tongue
   25.91 Lingual frenotomy
      Excludes: labial frenotomy (27.91)
   25.92 Lingual frenectomy
      Excludes: labial frenectomy (27.41)
   25.93 Lysis of adhesions of tongue
   25.94 Other glossotomy
   25.99 Other

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

29  Operations on pharynx
   Includes: operations on:
   hypopharynx
   nasopharynx
   oropharynx
   pharyngeal pouch
   pyriform sinus

29.0 Pharyngotomy
   Drainage of pharyngeal bursa
   Excludes: incision and drainage of retropharyngeal abscess (28.0)
   removal of foreign body (without incision) (98.13)

29.1 Diagnostic procedures on pharynx
   29.11 Pharyngoscopy
   29.12 Pharyngeal biopsy
      Biopsy of supraglottic mass
29.19 Other diagnostic procedures on pharynx
   *Excludes:* x-ray of nasopharynx:
   - contrast (87.06)
   - other (87.09)

29.2 Excision of branchial cleft cyst or vestige
   *Excludes:* branchial cleft fistulectomy (29.52)

29.3 Excision or destruction of lesion or tissue of pharynx
   29.31 Cricopharyngeal myotomy
      *Excludes:* that with pharyngeal diverticulectomy (29.32)
   29.32 Pharyngeal diverticulectomy
   29.33 Pharyngectomy (partial)
      *Excludes:* laryngopharyngectomy (30.3)
   29.39 Other excision or destruction of lesion or tissue of pharynx

29.4 Plastic operation on pharynx
   Correction of nasopharyngeal atresia
   *Excludes:* pharyngoplasty associated with cleft palate repair (27.62-27.63)

29.5 Other repair of pharynx
   29.51 Suture of laceration of pharynx
   29.52 Closure of branchial cleft fistula
   29.53 Closure of other fistula of pharynx
      Pharyngoesophageal fistulectomy
   29.54 Lysis of pharyngeal adhesions
   29.59 Other

29.9 Other operations on pharynx
   29.91 Dilation of pharynx
      Dilation of nasopharynx
   29.92 Division of glossopharyngeal nerve
   29.99 Other
      *Excludes:* insertion of radium into pharynx and nasopharynx (92.27)
      removal of intraluminal foreign body (98.13)
6. OPERATIONS ON THE RESPIRATORY SYSTEM (30-34)

30  Excision of larynx

30.0  Excision or destruction of lesion or tissue of larynx

30.0.0  Marsupialization of laryngeal cyst

30.0.9  Other excision or destruction of lesion or tissue of larynx

Stripping of vocal cords

*Excludes: biopsy of larynx (31.43)
  laryngeal fistulectomy (31.62)
  laryngotracheal fistulectomy (31.62)*

30.1  Hemilaryngectomy

30.2  Other partial laryngectomy

30.2.1  Epiglottidectomy

30.2.2  Vocal cordectomy

Excision of vocal cords

30.2.9  Other partial laryngectomy

Excision of laryngeal cartilage

30.3  Complete laryngectomy

Block dissection of larynx (with thyroidectomy) (with synchronous tracheostomy)

Laryngopharyngectomy

*Excludes: that with radical neck dissection (30.4)*

30.4  Radical laryngectomy

Complete [total] laryngectomy with radical neck dissection (with thyroidectomy) (with synchronous tracheostomy)

31  Other operations on larynx and trachea

31.0  Injection of larynx

Injection of inert material into larynx or vocal cords

31.1  Temporary tracheostomy

Tracheotomy for assistance in breathing

Temporary percutaneous dilatational tracheostomy [PDT]

Code also any synchronous bronchoscopy, if performed (33.21-33.24, 33.27)

31.2  Permanent tracheostomy

31.2.1  Mediastinal tracheostomy

31.2.9  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
   Excludes: that by endoscopic approach (32.01)

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)
      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
   Excludes: thoracoscopic segmental resection of lung (32.30)

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)
laser interstitial thermal therapy [LITT] of lesion or tissue of lung under guidance (17.69)
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)
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

Thoracicoabdominal fistulectomy
Thoracicogastric fistulectomy
Thoracicointestinal fistulectomy

34.84 Other repair of diaphragm

Excludes: repair of diaphragmatic hernia (53.7-53.82)

34.85 Implantation of diaphragmatic pacemaker

34.89 Other operations on diaphragm

34.9 Other operations on thorax

34.91 Thoracentesis

34.92 Injection into thoracic cavity

Chemical pleurodesis
Injection of cytotoxic agent or tetracycline
Instillation into thoracic cavity
Requires additional code for any cancer chemotherapeutic substance (99.25)

*Excludes:* that for collapse of lung (33.32)

34.93 Repair of pleura

34.99 Other

*Excludes:* removal of:
- mediastinal drain (97.42)
- sutures (97.43)
- thoracotomy tube (97.41)
7. OPERATIONS ON THE CARDIOVASCULAR SYSTEM (35-39)

35 Operations on valves and septa of heart

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

thoracotomy as operative approach

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

35.0 Closed heart valvotomy or transcatheter replacement of heart valve

Excludes: percutaneous (balloon) valvuloplasty (35.96)

35.00 Closed heart valvotomy, unspecified valve

35.01 Closed heart valvotomy, aortic valve

35.02 Closed heart valvotomy, mitral valve

35.03 Closed heart valvotomy, pulmonary valve

35.04 Closed heart valvotomy, tricuspid valve

35.05 Endovascular 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):

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)
  - valvular defect associated with atrial and ventricular septal defects (35.54, 35.63, 35.73)
  - transapical replacement of heart valve (35.06, 35.08)
  - transcatheter replacement of heart valve (35.05, 35.07)

**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)*

New code  Revised code  4th digit required
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>35.21</td>
<td><strong>Open and other replacement of aortic valve with tissue graft</strong>&lt;br&gt;Includes that by:&lt;br&gt; - autograft&lt;br&gt; - heterograft&lt;br&gt; - homograft&lt;br&gt;<em>Excludes:</em>&lt;br&gt; - endovascular replacement of aortic valve (35.05)&lt;br&gt; - transapical replacement of aortic valve (35.06)</td>
</tr>
<tr>
<td>35.22</td>
<td><strong>Open and other replacement of aortic valve</strong>&lt;br&gt;Replacement of aortic valve, NOS&lt;br&gt;That with prosthetic (partial) (synthetic) (total)&lt;br&gt;<em>Excludes:</em>&lt;br&gt; - endovascular replacement of aortic valve (35.05)&lt;br&gt; - transapical replacement of aortic valve (35.06)</td>
</tr>
<tr>
<td>35.23</td>
<td><strong>Open and other replacement of mitral valve with tissue graft</strong>&lt;br&gt;Includes that by:&lt;br&gt; - autograft&lt;br&gt; - heterograft&lt;br&gt; - homograft</td>
</tr>
<tr>
<td>35.24</td>
<td><strong>Open and other replacement of mitral valve</strong>&lt;br&gt;Replacement of mitral valve, NOS&lt;br&gt;That with prosthetic (partial) (synthetic) (total)&lt;br&gt;<em>Excludes:</em>&lt;br&gt; - percutaneous repair with implant or leaflet clip (35.97)</td>
</tr>
<tr>
<td>35.25</td>
<td><strong>Open and other replacement of pulmonary valve with tissue graft</strong>&lt;br&gt;Includes that by:&lt;br&gt; - autograft&lt;br&gt; - heterograft&lt;br&gt; - homograft&lt;br&gt;<em>Excludes:</em>&lt;br&gt; - endovascular replacement of pulmonary valve (35.07)&lt;br&gt; - transapical replacement of pulmonary valve (35.08)</td>
</tr>
<tr>
<td>35.26</td>
<td><strong>Open and other replacement of pulmonary valve</strong>&lt;br&gt;Replacement of pulmonary valve, NOS&lt;br&gt;That with prosthetic (partial) (synthetic) (total)&lt;br&gt;<em>Excludes:</em>&lt;br&gt; - endovascular replacement of pulmonary valve (35.07)&lt;br&gt; - transapical replacement of pulmonary valve (35.08)</td>
</tr>
<tr>
<td>35.27</td>
<td><strong>Open and other replacement of tricuspid valve with tissue graft</strong>&lt;br&gt;Includes that by:&lt;br&gt; - autograft&lt;br&gt; - heterograft&lt;br&gt; - homograft</td>
</tr>
<tr>
<td>35.28</td>
<td><strong>Open and other replacement of tricuspid valve</strong>&lt;br&gt;Replacement of tricuspid valve, NOS&lt;br&gt;That with prosthetic (partial) (synthetic) (total)</td>
</tr>
</tbody>
</table>
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)

35.50 Repair of unspecified septal defect of heart with prosthesis
Excludes: that associated with repair of:
  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 septal defect 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 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: comissurotomy 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)
mitral 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-omentumopexy
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

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

37.0 Pericardiocentesis

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

37.10 Incision of heart, not otherwise specified
Cardiolysis NOS

37.11 Cardiotomy
Incision of:
  atrium
  endocardium
  myocardium
  ventricle

37.12 Pericardiotomy
Pericardial window operation
Pericardiolysis
Pericardiotomy

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)
cardiovascular radioisotopic scan and function study (92.05)
coronary arteriography (88.55-88.57)
diagnostic pericardiocentesis (37.0)
diagnostic ultrasound of heart (88.72)
x-ray of heart (87.49)

37.3 Pericardiectomy and excision of lesion of heart

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

37.31 Pericardiectomy

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), 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: Thoracoscopic approach, minithoracotomy approach,
percutaneous approach, endovascular approach, or
subxiphoid 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
thoroscope
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: 
open approach (37.33) 
endovascular approach (37.34) 
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
Excludes: implantation of heart assist system [VAD] (37.62,
37.65, 37.66, 37.68)

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.

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. Ventriculotomy 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)
insertion of percutaneous external heart assist device (37.68)
implant of external heart assist system (37.65)
insertion of implantable extracorporeal heart assist system (37.66)
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 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:** that with replacement of implant (37.63)
   - 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

37.65 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.
   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 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.
   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
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
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
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
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 (transthoracic 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 pacemaker 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)
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td><strong>37.85</strong></td>
<td>Replacement of any type pacemaker device with single-chamber device, not specified as rate responsive</td>
</tr>
</tbody>
</table>
| **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 (36.00–36.19) 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

*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  

<table>
<thead>
<tr>
<th>6</th>
<th>abdominal arteries</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Celiac</td>
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<tr>
<td></td>
<td>Iliac</td>
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*Excludes: abdominal aorta (4)*

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<tr>
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<tr>
<td></td>
<td>Portal</td>
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<tr>
<td></td>
<td>Renal</td>
</tr>
<tr>
<td></td>
<td>Splenic</td>
</tr>
<tr>
<td></td>
<td>Vena cava (inferior)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8</th>
<th>lower limb arteries</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Femoral (common) (superficial)</td>
</tr>
<tr>
<td></td>
<td>Popliteal</td>
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<td></td>
<td>Tibial</td>
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<tbody>
<tr>
<td></td>
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<td></td>
<td>Saphenous</td>
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<tr>
<td></td>
<td>Popliteal</td>
</tr>
<tr>
<td></td>
<td>Tibial</td>
</tr>
</tbody>
</table>

### 38.0 Incision of vessel  

**[0-9]**  
- 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  

**[0-6,8]**  
- 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:
- angiocardiography (88.50-88.58)
- arteriography (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

Excision of:
- aneurysm (arteriovenous) with anastomosis
- blood vessel (lesion) with anastomosis

38.4 Resection of vessel with replacement

Excision of:
- aneurysm (arteriovenous) with anastomosis
- blood vessel (lesion) with anastomosis
### 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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>unspecified site</td>
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<tr>
<td>1</td>
<td>intracranial vessels</td>
</tr>
<tr>
<td></td>
<td>Cerebral (anterior) (middle)</td>
</tr>
<tr>
<td></td>
<td>Circle of Willis</td>
</tr>
<tr>
<td></td>
<td>Posterior communicating artery</td>
</tr>
<tr>
<td>2</td>
<td>other vessels of head and neck</td>
</tr>
<tr>
<td></td>
<td>Carotid artery (common) (external) (internal)</td>
</tr>
<tr>
<td></td>
<td>Jugular vein (external) (internal)</td>
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<tr>
<td>3</td>
<td>upper limb vessels</td>
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<td></td>
<td>Axillary</td>
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<td>Brachial</td>
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<tr>
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<td>Radial</td>
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<tr>
<td></td>
<td>Ulnar</td>
</tr>
<tr>
<td>4</td>
<td>aorta, abdominal</td>
</tr>
<tr>
<td></td>
<td>Code also any thoracic vessel involvement (thoracoabdominal procedure) <em>(38.45)</em></td>
</tr>
<tr>
<td>5</td>
<td>thoracic vessels</td>
</tr>
<tr>
<td></td>
<td>Aorta (thoracic)</td>
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<tr>
<td></td>
<td>Innominate</td>
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<tr>
<td></td>
<td>Pulmonary (artery) (vein)</td>
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<td></td>
<td>Subclavian</td>
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<tr>
<td></td>
<td>Vena cava, superior</td>
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<tr>
<td></td>
<td>Code also any abdominal aorta involvement (thoracoabdominal procedure) <em>(38.44)</em></td>
</tr>
<tr>
<td>6</td>
<td>abdominal arteries</td>
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<tr>
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<td>Celiac</td>
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<td>Iliac</td>
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<td>Umbilical</td>
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</tbody>
</table>

**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 |
38.5 Ligation and stripping of varicose veins

Excludes: ligation of varices:
- esophageal (42.91)
- gastric (44.91)

38.6 Other excision of vessel

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
Ligation of vena cava (inferior) (superior)
Plication of vena cava

38.8 Other surgical occlusion of vessels

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
**ICD-9-CM TABULAR LIST OF PROCEDURES (FY15)**

*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:* that for:
arteriography (88.40-88.49)
coronary arteriography (88.55-88.57)

38.99 Other puncture of vein
Phlebotomy
*Excludes:* that for:
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 non-drug-eluting peripheral vessel stent(s) or stent grafts(s) (39.90)
percutaneous insertion of carotid artery stent(s) (00.63)
number of vascular stents inserted (00.45-00.48)
number of vessels treated (00.40-00.43)
procedure on vessel bifurcation (00.44)
insertion of drug-eluting peripheral vessel stent (00.55)

_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:
graff (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)
Endoluminal repair
Embolization
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: mechanical thrombectomy of pre-cerebral and cerebral vessels (39.74)
embolization of head or neck vessels using bare coils (39.75)
embolization of head or neck vessels using bioactive coils (39.76)

39.73 Endovascular implantation of graft in thoracic aorta
Endograft(s)
Endovascular graft(s)
Endovascular repair of defect of thoracic aorta with graft(s) or device(s)
Stent graft(s) or device(s)
That for repair of aneurysm, dissection, or injury

Excludes: fenestration of dissecting aneurysm of thoracic aorta (39.54)

Code also intra-aneurysm sac pressure monitoring (intraoperative)
(00.58)

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 vessel(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
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
Other coil embolization or occlusion
Endograft(s)
Endovascular graft(s)
Liquid tissue adhesive (glue) 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 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 vessel (non-coronary) 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
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
Angiointerpy
Control of postoperative hemorrhage NOS
Venointerpy

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>42.01</td>
<td>Incision of esophageal web</td>
</tr>
<tr>
<td>42.09</td>
<td>Other incision of esophagus</td>
</tr>
</tbody>
</table>

Esophagotomy NOS

*Excludes: esophagomyotomy (42.7)*  
*esophagostomy (42.10-42.19)*

42.1 Esophagostomy

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>42.10</td>
<td>Esophagostomy, not otherwise specified</td>
</tr>
<tr>
<td>42.11</td>
<td>Cervical esophagostomy</td>
</tr>
<tr>
<td>42.12</td>
<td>Exteriorization of esophageal pouch</td>
</tr>
</tbody>
</table>

*42.19 Other external fistulization of esophagus*  
Thoracic esophagostomy

Code also any resection (42.40-42.42)

42.2 Diagnostic procedures on esophagus

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>42.21</td>
<td>Operative esophagoscopy by incision</td>
</tr>
<tr>
<td>42.22</td>
<td>Esophagoscopy through artificial stoma</td>
</tr>
</tbody>
</table>

*Excludes: that with biopsy (42.24)*

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>42.23</td>
<td>Other esophagoscopy</td>
</tr>
</tbody>
</table>

*Excludes: that with biopsy (42.24)*

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>42.24</td>
<td>Closed [endoscopic] biopsy of esophagus</td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>42.31</td>
<td>Local excision of esophageal diverticulum</td>
</tr>
<tr>
<td>42.32</td>
<td>Local excision of other lesion or tissue of esophagus</td>
</tr>
</tbody>
</table>

*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 esophagocolostomy
  Antethoracic esophagocolostomy

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)
  - esophagopleurocutaneous (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 Dilation of esophagus

Dilation 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 Gastrostomy

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

43.1 Gastrostomy

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
- Gastropylororectomy

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:
  gastroduodenostomy
  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
   - gastrojejunocolic 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: duodencholedochotomy (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 (45.24)

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)
   Enterocolectomy (17.39, 45.79)
   gastroduodenectomy (43.6-43.99)
   ileocolostomy (17.33, 45.73)
   pancreaticoduodenectomy (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
   Ileectomy
   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 hemicolecctomy
   Ileocolectomy
   Right radical colectomy

45.74 Open and other resection of transverse colon

45.75 Open and other left hemicolecctomy
   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
   Enterocelectomy 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] gastrojejunosotmy (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
   \textit{Excludes:} closure of:
   \begin{itemize}
   \item \textit{artificial stoma (46.51)}
   \item \textit{vaginal fistula (70.74)}
   \item \textit{repair of gastrojejunocolic fistula (44.63)}
   \end{itemize}
46.75 Suture of laceration of large intestine
46.76 Closure of fistula of large intestine
   \textit{Excludes:} closure of:
   \begin{itemize}
   \item \textit{gastrocolic fistula (44.63)}
   \item \textit{rectal fistula (48.73)}
   \item \textit{sigmoidovesical fistula (57.83)}
   \item \textit{stoma (46.52)}
   \item \textit{vaginal fistula (70.72-70.73)}
   \item \textit{vesicocolic fistula (57.83)}
   \item \textit{vesicosigmoidovaginal fistula (57.83)}
   \end{itemize}
46.79 Other repair of intestine
   \begin{itemize}
   \item \textit{Duodenoplasty}
   \end{itemize}
46.8 Dilation and manipulation of intestine
46.80 Intra-abdominal manipulation of intestine, not otherwise specified
   \begin{itemize}
   \item Correction of intestinal malrotation
   \item Reduction of:
   \begin{itemize}
   \item \textit{intestinal torsion}
   \item \textit{intestinal volvulus}
   \item \textit{intussusception}
   \end{itemize}
   \textit{Excludes:} reduction of intussusception with:
   \begin{itemize}
   \item \textit{fluoroscopy (96.29)}
   \item \textit{ionizing radiation enema (96.29)}
   \item \textit{ultrasonography guidance (96.29)}
   \end{itemize}
   \end{itemize}
46.81 Intra-abdominal manipulation of small intestine
46.82 Intra-abdominal manipulation of large intestine
46.85 Dilation of intestine
   \begin{itemize}
   \item Dilation (balloon) of duodenum
   \item Dilation (balloon) of jejunum
   \item Endoscopic dilation (balloon) of large intestine
   \item That through rectum or colostomy
   \textit{Excludes: with insertion of colonic stent (46.86-46.87)}
   \end{itemize}
46.86 Endoscopic insertion of colonic stent(s)
   \begin{itemize}
   \item Colonoscopy (flexible) (through stoma) with transendoscopic stent placement
   \item Combined with fluoroscopic-guided insertion
   \item Stent endoprosthesis of colon
   \item Through the scope [TTS] technique
   \textit{Excludes: other non-endoscopic insertion of colonic stent (46.87)}
   \end{itemize}
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

<table>
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<tr>
<th>Code</th>
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<td>46.91</td>
<td>Myotomy of sigmoid colon</td>
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<td>46.92</td>
<td>Myotomy of other parts of colon</td>
</tr>
<tr>
<td>46.93</td>
<td>Revision of anastomosis of small intestine</td>
</tr>
<tr>
<td>46.94</td>
<td>Revision of anastomosis of large intestine</td>
</tr>
<tr>
<td>46.95</td>
<td>Local perfusion of small intestine</td>
</tr>
<tr>
<td>46.96</td>
<td>Local perfusion of large intestine</td>
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<tr>
<td>46.97</td>
<td>Transplant of intestine</td>
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</tbody>
</table>
   *Note: To report donor source --see codes 00.91-00.93*

46.99 Other

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>46.99</td>
<td>Ileoentectropy</td>
</tr>
</tbody>
</table>
   *Excludes: diagnostic procedures on intestine (45.11-45.29) dilatation 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)*

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>47.01</td>
<td>Laparoscopic appendectomy</td>
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<tr>
<td>47.09</td>
<td>Other appendectomy</td>
</tr>
</tbody>
</table>
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)
ICD-9-CM TABULAR LIST OF PROCEDURES (FY15)

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: pelvic rectal 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
   Anal cryptotomy
   Cauterization of lesion of anus
   *Excludes: biopsy of anus* (49.23)
   *control of (postoperative) hemorrhage of anus* (49.95)
   *hemorrhoidectomy* (49.46)
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)
onput biopsy of liver (50.12)
transjugular liver biopsy (50.13)

50.19 Other diagnostic procedures on liver
Excludes: liver scan and radioisotope function study (92.02)
microscopic examination of specimen from liver (91.01-91.09)
laparoscopic liver biopsy (50.14)
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)
### ICD-9-CM TABULAR LIST OF PROCEDURES (FY15)

**laser interstitial thermal therapy [LITT] of lesion or tissue of liver under guidance (17.63)**

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<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
</table>
| 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 |

### 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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
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<tr>
<td>51.0</td>
<td>Cholecystotomy and cholecystostomy</td>
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</tbody>
</table>
| 51.01 | Percutaneous aspiration of gallbladder  
Percutaneous cholecystotomy for drainage  
That by: needle or catheter  
*Excludes: needle biopsy (51.12)* |
| 51.02 | Trocar cholecystostomy |
| 51.03 | Other cholecystotomy |
| 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
  Choledochoectomy
  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)*
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<thead>
<tr>
<th>Code</th>
<th>Procedure</th>
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<tr>
<td>51.96</td>
<td>Percutaneous extraction of common duct stones</td>
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<td>51.98</td>
<td>Other percutaneous procedures on biliary tract</td>
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<tr>
<td></td>
<td>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) Percutaneous transhepatic biliary drainage</td>
</tr>
<tr>
<td></td>
<td><strong>Excludes</strong>: 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)</td>
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<tr>
<td>51.99</td>
<td>Other</td>
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<tr>
<td></td>
<td><strong>Excludes</strong>: biopsy of gallbladder (51.12-51.13) percutaneous biopsy and/or collection of specimen by brushing or washing (51.12) percutaneous aspiration of gallbladder (51.01) 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)</td>
</tr>
</tbody>
</table>

52 Operations on pancreas
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 pancreatectomy
Pancreatolithotomy

**Excludes**: drainage by anastomosis (52.4, 52.96) incision of pancreatic sphincter (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 pancreatectography [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 pancreatogram (87.66)  
edoscopic 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 gastrojejunoanostomy  
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
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<td>52.84</td>
<td>Autotransplantation of cells of Islets of Langerhans</td>
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<tr>
<td></td>
<td>Homotransplantation of islet cells of pancreas</td>
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<td>52.85</td>
<td>Allotransplantation of cells of Islets of Langerhans</td>
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<td></td>
<td>Heterotransplantation of islet cells of pancreas</td>
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<td>52.86</td>
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<td>replacement of stent (tube) (97.05)</td>
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<td>Removal of stone(s) from pancreatic duct by procedures classifiable to</td>
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<td>Fistulectomy of pancreas</td>
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<td>Simple suture of pancreas</td>
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<td>Anastomosis of pancreas (duct) to:</td>
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<td>intestine</td>
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<td>jejunum</td>
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<td>stomach</td>
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<td>Insertion of nasopancreatic drainage tube by procedures classifiable to</td>
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<td>replacement of stent (tube) (97.05)</td>
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<td>52.98</td>
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<td>Repair of pancreatic [Wirsung's] duct by open approach</td>
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<td></td>
<td>Excludes: irrigation of pancreatic tube (96.42)</td>
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<tr>
<td></td>
<td>removal of pancreatic tub (97.56)</td>
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</tbody>
</table>
### 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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>53.00</td>
<td>Unilateral repair of inguinal hernia, not otherwise specified</td>
</tr>
<tr>
<td>53.01</td>
<td>Other and open repair of direct inguinal hernia</td>
</tr>
<tr>
<td>53.02</td>
<td>Other and open repair of indirect inguinal hernia</td>
</tr>
<tr>
<td>53.03</td>
<td>Other and open repair of direct inguinal hernia with graft or prosthesis</td>
</tr>
<tr>
<td>53.04</td>
<td>Other and open repair of indirect inguinal hernia with graft or prosthesis</td>
</tr>
<tr>
<td>53.05</td>
<td>Repair of inguinal hernia with graft or prosthesis, not otherwise specified</td>
</tr>
</tbody>
</table>

#### 53.1 Other bilateral repair of inguinal hernia

Excludes: laparoscopic bilateral repair of inguinal hernia (17.21–17.24)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>53.10</td>
<td>Bilateral repair of inguinal hernia, not otherwise specified</td>
</tr>
<tr>
<td>53.11</td>
<td>Other and open bilateral repair of direct inguinal hernia</td>
</tr>
<tr>
<td>53.12</td>
<td>Other and open bilateral repair of indirect inguinal hernia</td>
</tr>
<tr>
<td>53.13</td>
<td>Other and open bilateral repair of inguinal hernia, one direct and one indirect</td>
</tr>
<tr>
<td>53.14</td>
<td>Other and open bilateral repair of direct inguinal hernia with graft or prosthesis</td>
</tr>
<tr>
<td>53.15</td>
<td>Other and open bilateral repair of indirect inguinal hernia with graft or prosthesis</td>
</tr>
<tr>
<td>53.16</td>
<td>Other and open bilateral repair of inguinal hernia, one direct and one indirect, with graft or prosthesis</td>
</tr>
<tr>
<td>53.17</td>
<td>Bilateral inguinal hernia repair with graft or prosthesis, not otherwise specified</td>
</tr>
</tbody>
</table>

#### 53.2 Unilateral repair of femoral hernia

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>53.21</td>
<td>Unilateral repair of femoral hernia with graft or prosthesis</td>
</tr>
<tr>
<td>53.29</td>
<td>Other unilateral femoral herniorrhaphy</td>
</tr>
</tbody>
</table>

#### 53.3 Bilateral repair of femoral hernia

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>53.31</td>
<td>Bilateral repair of femoral hernia with graft or prosthesis</td>
</tr>
<tr>
<td>53.39</td>
<td>Other bilateral femoral herniorrhaphy</td>
</tr>
</tbody>
</table>

#### 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

Repair of hernia:
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
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
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
53.75 Repair of diaphragmatic hernia, abdominal approach, not otherwise specified

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 abdominalwall (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 epipliocae
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 gastroschisis
54.72 Other repair of abdominal wall
54.73 Other repair of peritoneum
    Suture of gastrocolic ligament
54.74 Other repair of omentum
    Epiplorrhaphy
    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 Nephrotoomy 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)
Pyelostolithotomy, 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 Pyelotomopy 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

Calycetomy
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
   Nephropyeloureterostomy
   Pyeloureterovesical anastomosis
   Ureterocalyceal anastomosis
   *Excludes: nephrocystanastomosis NOS (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
        Ileoureterostomy (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 tube (97.63)*
*replacement of cystostomy tube (59.94)*

### 57.18 Other suprapubic cystostomy

*Excludes: percutaneous cystostomy (57.17)*
*removal of cystostomy tube (97.63)*
*replacement of cystostomy tube (59.94)*

### 57.19 Other cystotomy
- Cystolithotomy

*Excludes: percutaneous cystostomy (57.17)*
*suprapubic cystostomy (57.18)*

### 57.2 Vesicostomy

*Excludes: percutaneous cystostomy (57.17)*
*suprapublic cystostomy (57.18)*

### 57.21 Vesicostomy
- Creation of permanent opening from bladder to skin using a bladder flap

### 57.22 Revision or closure of vesicostomy

*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
   \textit{Excludes: that with transurethral approach (57.41-57.49)}

57.51 Excision of urachus
   Excision of urachal sinus of bladder
   \textit{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
   \textit{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 exenteration in male
   Removal of bladder, prostate, seminal vesicles, and fat
   Removal of bladder, urethra, and fat in a female
   Code also any:
   \begin{itemize}
   \item lymph node dissection (40.3, 40.5)
   \item urinary diversion (56.51-56.79)
   \end{itemize}
   \textit{Excludes: that as part of pelvic exenteration in female (68.8)}

57.79 Other total cystectomy

57.8 Other repair of urinary bladder
   \textit{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
   \textit{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 exstrophy
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 ileal bladder (57.87)

57.89 Other repair of bladder
Bladder suspension, not elsewhere classified
Cystopexy 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 synchronous 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 device (97.64)
therapeutic distention of 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)
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</table>
| 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 body 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 urethrovresical junction
   Kelly-Kennedy operation on urethra
   Kelly-Stoeckel urethral plication

59.4 Suprapubic sling operation
   Goebel-Frangenheim-Stoeckel urethrovresical suspension
   Millin-Read urethrovresical 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 urethrovessical 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
   Reinsertion 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 disintegration (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)

60 Operations on prostate and seminal vesicles
   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
Cryoaulation of prostate
Cryoprostactomy
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
61.11 Biopsy of scrotum or tunica vaginalis
61.19 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)
**ICD-9-CM TABULAR LIST OF PROCEDURES (FY15)**

61.4 Repair of scrotum and tunica vaginalis
   61.41 Suture of laceration of scrotum and tunica vaginalis
   61.42 Repair of scrotal fistula
   61.49 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)

62 Operations on testes

62.0 Incision of testis

62.1 Diagnostic procedures on testes
   62.11 Closed [percutaneous] [needle] biopsy of testis
   62.12 Open biopsy of testis
   62.19 Other diagnostic procedures on testes

62.2 Excision or destruction of testicular lesion
   Excision of appendix testis
   Excision of cyst of Morgagni in the male
   *Excludes:* biopsy of testis (62.11-62.12)

62.3 Unilateral orchiectomy
   Orchidectomy (with epididymectomy) NOS

62.4 Bilateral orchiectomy
   Male castration
   Radical bilateral orchiectomy (with epididymectomy)
   Code also any synchronous lymph node dissection (40.3, 40.5)
   62.41 Removal of both testes at same operative episode
       Bilateral orchiectomy NOS
   62.42 Removal of remaining testis
       Removal of solitary testis

62.5 Orchiopexy
   Mobilization and replacement of testis in scrotum
   Orchiopexy with detorsion of testis
   Torek (-Bevan) operation (orchiopexy) (first stage) (second stage)
   Transplantation to and fixation of testis in scrotum
62.6 Repair of testes
   Excludes: reduction of torsion (63.52)

62.61 Suture of laceration of testis
62.69 Other repair of testis
   Testicular graft

62.7 Insertion of testicular prosthesis

62.9 Other operations on testes
   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

63.8 Repair of vas deferens and epididymis
   63.81 Suture of laceration of vas deferens and epididymis
   63.82 Reconstruction of surgically divided vas deferens
   63.83 Epididymovasostomy
   63.84 Removal of ligature from vas deferens
   63.85 Removal of valve from vas deferens
   63.89 Other repair of vas deferens and epididymis

63.9 Other operations on spermatic cord, epididymis, and vas deferens
   63.91 Aspiration of spermatocele
   63.92 Epididymotomy
   63.93 Incision of spermatic cord
   63.94 Lysis of adhesions of spermatic cord
   63.95 Insertion of valve in vas deferens
   63.99 Other

64 Operations on penis
   Includes: operations on:
   corpora cavernosa
   glans penis
   prepuce

64.0 Circumcision

64.1 Diagnostic procedures on the penis
   64.11 Biopsy of penis
   64.19 Other diagnostic procedures on penis

64.2 Local excision or destruction of lesion of penis
   Excludes: biopsy of penis (64.11)

64.3 Amputation of penis

64.4 Repair and plastic operation on penis
   64.41 Suture of laceration of penis
64.42 Release of chordee
64.43 Construction of penis
64.44 Reconstruction of penis
64.45 Replantation of penis
   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 prostheses (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 for artificial insemination (99.96)
12. OPERATIONS ON THE FEMALE GENITAL ORGANS (65-71)

65  Operations on ovary
   Code also any application or administration of an adhesion barrier substance
   (99.77)

65.0  Oophorotomy
      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)*
ICD-9-CM TABULAR LIST OF PROCEDURES (FY15)

66.93 Implantation or replacement of prosthesis of fallopian tube
66.94 Removal of prosthesis of fallopian tube
66.95 Insufflation of therapeutic agent into fallopian tubes
66.96 Dilation of fallopian tube
66.97 Burying of fimbriae in uterine wall
66.99 Other
   Excludes: lysis of adhesions of ovary and tube
   laparoscopic (65.81)
   other (65.89)

67 Operations on cervix
Code also any application or administration of an adhesion barrier substance (99.77)

67.0 Dilation of cervical canal
   Excludes: dilation and curettage (69.01-69.09)
   that for induction of labor (73.1)

67.1 Diagnostic procedures on cervix
67.11 Endocervical biopsy
   Excludes: conization of cervix (67.2)

67.12 Other cervical biopsy
   Punch biopsy of cervix NOS
   Excludes: conization of cervix (67.2)

67.19 Other diagnostic procedures on cervix
   Excludes: microscopic examination of specimen from cervix
   (91.41-91.49)

67.2 Conization of cervix
   Excludes: that by:
   cryosurgery (67.33)
   electrosurgery (67.32)

67.3 Other excision or destruction of lesion or tissue of cervix
67.31 Marsupialization of cervical cyst
67.32 Destruction of lesion of cervix by cauterization
   Electroconization of cervix
   LEEP (loop electrosurgical excision procedure)
   LLETZ (large loop excision of the transformation zone)
67.33 Destruction of lesion of cervix by cryosurgery
   Cryoconization of cervix
67.39 Other excision or destruction of lesion or tissue of cervix
   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 fistulectomy

       Excludes: fistulectomy:
       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)
       postpartal 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, NOS

Supracervical hysterectomy

*Excludes:* classic infrafascial SEMM hysterectomy [CISH] (68.31)
laparoscopic supracervical hysterectomy [LSH] (68.31)

68.4 Total abdominal hysterectomy

Hysterectomy:
extended

Code also any synchronous removal of tubes and ovaries (65.31-65.64)

*Excludes:* radical abdominal hysterectomy, any approach (68.61 - 68.69)
OPERATIONS ON THE FEMALE GENITAL ORGANS (65-71)

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)

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:* abdominal 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 ligament *(68.14)*

#### 69.2 Repair of uterine supporting structures

- 69.21 Interposition operation
  
  Watkins procedure

- 69.22 Other uterine suspension
  
  Hysteropexy
  
  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 fistulectomy *(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
ICD-9-CM TABULAR LIST OF PROCEDURES (FY15)

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: STARR procedure (48.74)*
   repair of cystocele and rectocele with graft or prosthesis (70.53)
   repair of rectocele with graft or prosthesis (70.55)

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
72.79 Other vacuum extraction

72.8 Other specified instrumental delivery

72.9 Unspecified instrumental delivery
73 Other procedures inducing or assisting delivery

73.0 Artificial rupture of membranes
   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
   Episiotroctomy
   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
   Dührssen'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)
OBSTETRICAL PROCEDURES (72-75)

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
   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
      Excludes: repair of routine episiotomy (73.6)

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
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)

- laminectomy for decompression (03.09)
- operations on:
  - Accessory sinuses (22.00-22.9)
  - Ear ossicles (19.00-19.55)
  - Facial bones (76.01-76.99)
  - Joint structures (80.00-81.99)
  - Mastoid (19.90-20.99)
  - 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.

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Unspecified site</td>
</tr>
<tr>
<td>1</td>
<td>Scapula, clavicle, and thorax (ribs and sternum)</td>
</tr>
<tr>
<td>2</td>
<td>Humerus</td>
</tr>
<tr>
<td>3</td>
<td>Radius and ulna</td>
</tr>
<tr>
<td>4</td>
<td>Carpals and metacarpals</td>
</tr>
<tr>
<td>5</td>
<td>Femur</td>
</tr>
<tr>
<td>6</td>
<td>Patella</td>
</tr>
<tr>
<td>7</td>
<td>Tibia and fibula</td>
</tr>
<tr>
<td>8</td>
<td>Tarsals and metatarsals</td>
</tr>
<tr>
<td>9</td>
<td>Other</td>
</tr>
</tbody>
</table>

#### 77.0 Sequestrectomy

*0-9*
Operations on the musculoskeletal system (76-84)

77.1 Other incision of bone without division 4
[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 4
[0-9] Excludes: that for hallux valgus (77.51)

77.3 Other division of bone 4
[0-9] Osteoarthrotomy

Excludes: clavicotomy of fetus (73.8)
laminotomy or incision of vertebra (03.01-03.09)
pubiotomy or incision of vertebra (73.94)
sternotomy incidental to thoracic operation -- omit code

77.4 Biopsy of bone 4
[0-9]

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
Phalangeectomy (partial) of hammer toe
Filleting of hammer toe

77.57 Repair of claw toe
Fusion of claw toe
Phalangeectomy (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 4
[0-9] Excludes: biopsy of bone (77.40-77.49)
debridement of compound fracture (79.60-79.69)

77.7 Excision of bone for graft 4
[0-9]
77.8 Other partial ostectomy

Excludes: 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)
  thumb (84.02)
toe (84.11)
reseccion of ribs incidental to thoracic operation --omit code
that incidental to other operation --omit code

77.9 Total ostectomy

Excludes: amputation of limb (84.00-84.19, 84.91)
that incidental to other operation --omit code

78 Other operations on bones, except facial bones

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>unspecified site</td>
</tr>
<tr>
<td>1</td>
<td>scapula, clavicle, and thorax [ribs and sternum]</td>
</tr>
<tr>
<td>2</td>
<td>humerus</td>
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<td>radius and ulna</td>
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<td>tarsals and metatarsals</td>
</tr>
<tr>
<td>9</td>
<td>other</td>
</tr>
<tr>
<td></td>
<td>Pelvic bones</td>
</tr>
<tr>
<td></td>
<td>Phalanges (of foot) (of hand)</td>
</tr>
<tr>
<td></td>
<td>Vertebrae</td>
</tr>
</tbody>
</table>

ICD-9-CM TABULAR LIST OF PROCEDURES (FY15)
78.0 Bone graft

- Code also any excision of bone for graft (77.70-77.79)

Excludes: that for bone lengthening (78.30-78.39)

78.1 Application of external fixator device

- 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)

78.2 Limb shortening procedures

- Code also any application of an external fixation device (78.10-78.19)

78.3 Limb lengthening procedures

- Code also any type of fixator device, if known (84.71-84.73)

Excludes: application of external fixation device (78.10-78.19)

78.4 Other repair or plastic operations on bone

- Code also any type of fixator device, if known (84.71-84.73)

Excludes: application of external fixation device (78.10-78.19)

78.5 Internal fixation of bone without fracture reduction

- Code also any type of fixator device, if known (84.71-84.73)

Excludes: arthroplasty and arthrodesis (81.00-81.85)

- Code also any type of fixator device, if known (84.71-84.73)

Excludes: arthroplasty and arthrodesis (81.00-81.85)

- Code also any type of fixator device, if known (84.71-84.73)

Excludes: arthroplasty and arthrodesis (81.00-81.85)

- Code also any type of fixator device, if known (84.71-84.73)

Excludes: arthroplasty and arthrodesis (81.00-81.85)
78.6  Removal of implanted devices from bone
[0-9]
Excludes: removal of cast, splint, and traction device (Kirschner wire)
(Steinmann pin) (97.88)
removal of skull tongs or halo traction device (02.95)
removal of posterior spinal motion preservation (facet,
replacement, pedicle-based dynamic stabilization, interspinous
process) device(s) (80.09)

78.7  Osteoclasia
[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]  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.

<table>
<thead>
<tr>
<th>Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>unspecified site</td>
</tr>
<tr>
<td>1</td>
<td>humerus</td>
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<td>7</td>
<td>tarsals and metatarsals</td>
</tr>
<tr>
<td>8</td>
<td>phalanges of foot</td>
</tr>
<tr>
<td>9</td>
<td>other specified bone</td>
</tr>
</tbody>
</table>

79.0 Closed reduction of fracture without internal fixation 4
[0-9] Excludes: that for separation of epiphysis (79.40-79.49)

79.1 Closed reduction of fracture with internal fixation 4
[0-9] Excludes: that for separation of epiphysis (79.40-79.49)

79.2 Open reduction of fracture without internal fixation 4
[0-9] Excludes: that for separation of epiphysis (79.50-79.59)

79.3 Open reduction of fracture with internal fixation 4
[0-9] Excludes: that for separation of epiphysis (79.50-79.59)

79.4 Closed reduction of separated epiphysis 4
[0-2,5,6,9] Reduction with or without internal fixation

79.5 Open reduction of separated epiphysis 4
[0-2,5,6,9] Reduction with or without internal fixation

79.6 Debridement of open fracture site 4
[0-9] 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 |
|    | Spine            |
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)
Code also any repair of the anulus fibrosus (80.53-80.54)
**ICD-9-CM TABULAR LIST OF PROCEDURES (FY15)**

**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

**80.9** Other excision of joint
- *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)
Code also any insertion of recombinant bone morphogenetic protein (84.52)
Code also the total number of vertebrae fused (81.62 - 81.64)
Code also any synchronous excision of (locally) harvested bone for graft (77.70 - 77.79)

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
Cranio cervical 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
Arthrodesis of C2 level or below:
- anterior interbody fusion
- anterolateral technique

81.03 Other cervical fusion of the posterior column, posterior technique
Arthrodesis of C2 level or below, posterolateral technique

81.04 Dorsal and dorsolumbar fusion of the anterior column, anterior technique
Arthrodesis of thoracic or thoracolumbar region:
- anterior interbody fusion
- anterolateral technique
Extra cavitory technique

81.05 Dorsal and dorsolumbar fusion of the posterior column, posterior technique
Arthrodesis of thoracic or thoracolumbar region, posterior technique

81.06 Lumbar and lumbosacral fusion of the anterior column, anterior technique
Anterior lumbar interbody fusion (ALIF)
ICD-9-CM TABULAR LIST OF PROCEDURES (FY15)

Arthrodesis 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
   - Arthrodesis of lumbar or lumbosacral region, posterior interbody fusion
   - Posterior lumbar interbody fusion (PLIF)
   - Transforaminal lumbar interbody fusion (TLIF)
   - Axial lumbar interbody fusion [AxialLIF]

81.1 Arthrodesis and arthroereisis of foot and ankle
Includes: arthrodesis 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)
Code also any insertion of recombinant bone morphogenetic protein (84.52)
Code also the total number of vertebrae fused (81.62-81.64)
Code also any synchronous excision of (locally) harvested bone for graft (77.70-77.79)

81.30 Refusion of spine, not otherwise specified

81.31 Refusion of atlas-axis spine
- Cranio-axial spine 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

- Anterior lumbar interbody fusion (ALIF)
- Arthrodesis of C2 level or below

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
   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 lateral 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
- Tricompartmental
- Unicompartmental (hemijoint)
- Partial knee replacement

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:* kyphoplasty (81.66)
   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 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

*Excludes:* reverse total shoulder replacement (81.88)

81.80 Other total shoulder replacement

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
  Total
  Revision of arthroplasty of shoulder

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

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 and 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 bursa (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
   - Scalenection

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 finger (86.26)*

84.02 Amputation and disarticulation of thumb

84.03 Amputation through hand
- Amputation through carpals

84.04 Disarticulation of wrist

84.05 Amputation through forearm
- Forearm amputation

84.06 Disarticulation of elbow

84.07 Amputation through humerus
- Upper arm amputation

84.08 Disarticulation of shoulder

84.09 Interthoracoscapular amputation
- Forequarter amputation

84.1 Amputation of lower limb

*Excludes: revision of amputation stump (84.3)*

84.10 Lower limb amputation, not otherwise specified
- Closed flap amputation of lower limb NOS
- Kineplastic amputation of lower limb NOS
- Open or guillotine amputation of lower limb NOS
- Revision of current traumatic amputation of lower limb NOS

84.11 Amputation of toe
- Amputation through metatarsophalangeal joint
- Disarticulation of toe
- Metatarsal head amputation
- Ray amputation of foot (disarticulation of the metatarsal head of the toe extending across the forefoot just proximal to the metatarsophalangeal crease)

*Excludes: ligation of supernumerary toe (86.26)*

84.12 Amputation through foot
- Amputation of forefoot
- Amputation through middle of foot
- Chopart's amputation
- Midtarsal amputation
- Transmetatarsal amputation (amputation of the forefoot, including all the toes)

*Excludes: Ray amputation of foot (84.11)*
84.13 Disarticulation of ankle
84.14 Amputation of ankle through malleoli of tibia and fibula
84.15 Other amputation below knee
   Amputation of leg through tibia and fibula NOS
84.16 Disarticulation of knee
   Batch, Spitler, and McFaddin amputation
   Mazet amputation
   S.P. Roger's amputation
84.17 Amputation above knee
   Amputation of leg through femur
   Amputation of thigh
   Conversion of below-knee amputation into above-knee amputation
   Supracondylar above-knee amputation
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
### Procedures

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#### 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)

84.8 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
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)
xerography (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 implant (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 implant (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)*
ICD-9-CM TABULAR LIST OF PROCEDURES (FY15)

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
Microfat 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 (GAP) flap, free (85.76)
latissimus 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
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
</table>
| 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 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  
Removal of carotid sinus baroreflex activation device  
*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 of:  
- cardiac pacemaker pocket, new site (37.79)  
- fascial compartments of face and mouth (27.0)  
that for drainage (86.04) |
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 allodermis
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 digital 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 digital 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 \((85.31-85.32)\)

\(86.84\) Relaxation of scar or web contracture of skin
- Z-plasty of skin

Excludes: Z-plasty with excision of lesion \((86.3)\)

\(86.85\) 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 NOS
- Fat graft of skin and subcutaneous tissue 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 \((76.67-76.68)\)

\(86.90\) 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 \((85.55, 86.87)\)

86.9 Other operations on skin and subcutaneous tissue

\(86.91\) 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
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES (87-99)

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: angiocardiography (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: angiocardiography (88.50-88.58)
angiography (88.40-88.68)
87.41 Computerized axial tomography of thorax
C.A.T. scan of thorax
C.A.T. scan of heart
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)
<table>
<thead>
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<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>87.43</td>
<td>X-ray of ribs, sternum, and clavicle</td>
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<td>Examination for:</td>
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<tr>
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<td>cervical rib</td>
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<td>fracture</td>
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<td>87.44</td>
<td>Routine chest x-ray, so described</td>
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<td>X-ray of chest NOS</td>
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<td>87.49</td>
<td>Other chest x-ray</td>
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<td>X-ray of:</td>
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<td>bronchus NOS</td>
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<td>diaphragm NOS</td>
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<td>heart NOS</td>
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<td>lung NOS</td>
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<td>mediastinum NOS</td>
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<td>trachea NOS</td>
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<td>Biliary tract x-ray</td>
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<td>Percutaneous hepatic cholangiogram</td>
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<td>Intravenous cholangiogram</td>
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<td>Intraoperative cholangiogram</td>
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<td>Other cholangiogram</td>
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<td>87.59</td>
<td>Other biliary tract x-ray</td>
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<td>Cholecystogram</td>
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<td>Other x-ray of digestive system</td>
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<td>87.61</td>
<td>Barium swallow</td>
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<td>87.62</td>
<td>Upper GI series</td>
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<td>87.63</td>
<td>Small bowel series</td>
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<td>Lower GI series</td>
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<td>Other x-ray of intestine</td>
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<td>Contrast pancreatogram</td>
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<td>87.69</td>
<td>Other digestive tract x-ray</td>
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<td>87.7</td>
<td>X-ray of urinary system</td>
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<tr>
<td></td>
<td>Excludes: angiography of renal vessels <em>(88.45, 88.65)</em></td>
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<tr>
<td>87.71</td>
<td>Computerized axial tomography of kidney</td>
</tr>
<tr>
<td></td>
<td>C.A.T. scan of kidney</td>
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<tr>
<td>87.72</td>
<td>Other nephrotomogram</td>
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<td>Intravenous pyelogram</td>
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<td>Diuretic infusion pyelogram</td>
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<td>Retrograde pyelogram</td>
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<td>Percutaneous pyelogram</td>
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<td>Retrograde cystourethrogram</td>
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<td>87.77</td>
<td>Other cystogram</td>
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<tr>
<td>87.78</td>
<td>Ileal conduitogram</td>
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</table>
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
   87.92 Other x-ray of prostate and seminal vesicles
   87.93 Contrast epididymogram
   87.94 Contrast vasogram
   87.95 Other x-ray of epididymis and vas deferens
   87.99 Other x-ray of male genital organs

88 Other diagnostic radiology and related techniques

88.0 Soft tissue x-ray of abdomen
   *Excludes:* angiography (88.40-88.68)
   88.01 Computerized axial tomography of abdomen
      C.A.T. scan of abdomen
      *Excludes:* C.A.T. scan of kidney (87.71)
   88.02 Other abdomen tomography
      *Excludes:* nephrotomogram (87.72)
   88.03 Sinogram of abdominal wall
      Fistulogram of abdominal wall
   88.04 Abdominal lymphangiogram
   88.09 Other soft tissue x-ray of abdominal wall

88.1 Other x-ray of abdomen
   88.11 Pelvic opaque dye contrast radiography
   88.12 Pelvic gas contrast radiography
      Pelvic pneumoperitoneum
   88.13 Other peritoneal pneumogram
   88.14 Retroperitoneal fistulogram
   88.15 Retroperitoneal pneumogram
   88.16 Other retroperitoneal x-ray
   88.19 Other x-ray of abdomen
      Flat plate of abdomen
88.2 Skeletal x-ray of extremities and pelvis

Excludes: contrast radiogram of joint (88.32)

88.21 Skeletal x-ray of shoulder and upper arm
88.22 Skeletal x-ray of elbow and forearm
88.23 Skeletal x-ray of wrist and hand
88.24 Skeletal x-ray of upper limb, not otherwise specified
88.25 Pelvimetry
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: that combined with left heart angiocardiography (88.54)
- intra-operative fluorescence vascular angiography (88.59)

88.53 Angiocardiography of left heart structures
Angiocardiography of:
- aortic valve
- left atrium
- left ventricle (outflow tract)

Excludes: that combined with right heart angiocardiography (88.54)
- intra-operative fluorescence vascular angiography (88.59)

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)
   real-time magnetic resonance imaging (88.96)
   laser interstitial thermal therapy [LITT] of lesion or tissue of
   brain under guidance (17.61)
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)
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES (87-99)

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)

88.98 Bone mineral density studies

Dual photon absorptiometry
Quantitative computed tomography (CT) studies
Radiographic densitometry
Single photon absorptiometry

89 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
<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
</tr>
</thead>
</table>
| 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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
</tr>
</thead>
</table>
| 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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
</tr>
</thead>
</table>
| 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)*

- non-invasive programmed electrical stimulation [NIPS] (arrhythmia induction) (37.20)

89.46  Artificial pacemaker artifact wave form 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)*

- non-invasive 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:

<table>
<thead>
<tr>
<th>1</th>
<th>bacterial smear</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>culture</td>
</tr>
<tr>
<td>3</td>
<td>culture and sensitivity</td>
</tr>
<tr>
<td>4</td>
<td>parasitology</td>
</tr>
<tr>
<td>5</td>
<td>toxicology</td>
</tr>
<tr>
<td>6</td>
<td>cell block and Papanicolaou smear</td>
</tr>
<tr>
<td>9</td>
<td>other microscopic examination</td>
</tr>
</tbody>
</table>

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  

躄 New code  Ⓟ Revised code  Ⓟ 4th digit required
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

<table>
<thead>
<tr>
<th>Digit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>bacterial smear</td>
</tr>
<tr>
<td>2</td>
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<tr>
<td>3</td>
<td>culture and sensitivity</td>
</tr>
<tr>
<td>4</td>
<td>parasitology</td>
</tr>
<tr>
<td>5</td>
<td>toxicology</td>
</tr>
<tr>
<td>6</td>
<td>cell block and Papanicolaou smear</td>
</tr>
<tr>
<td>9</td>
<td>other microscopic examination</td>
</tr>
</tbody>
</table>

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:
ablution 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 with polysomnogram (89.17)  
that for intraoperative monitoring (00.94)  
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 o 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
   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 PPV
   Non-invasive positive pressure (NIPPV)
   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 testamentory 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 Audiological evaluation
   Audiological 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
   96.24  Dilation and manipulation of enterostomy stoma
   96.25  Therapeutic distention of bladder
      Intermittent distention of bladder
   96.26  Manual reduction of rectal prolapse
   96.27  Manual reduction of hernia
   96.28  Manual reduction of enterostomy prolapse
96.29 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)

96.3 Nonoperative alimentary tract irrigation, cleaning, and local instillation
96.31 Gastric cooling
   Gastric hypothermia
96.32 Gastric freezing
96.33 Gastric lavage
96.34 Other irrigation of (naso-)gastric tube
   Gastric gavage
96.36 Irrigation of gastrostomy or enterostomy
96.37 Proctoclysis
96.38 Removal of impacted feces
   Removal of impaction:
   by flushing manually
96.39 Other transanal enema
   Rectal irrigation
   Excludes: reduction of intussusception of alimentary tract by ionizing radiation enema (96.29)

96.4 Nonoperative irrigation, cleaning, and local instillation of other digestive and genitourinary organs
96.41 Irrigation of cholecystostomy and other biliary tube
96.42 Irrigation of pancreatic tube
96.43 Digestive tract instillation, except gastric gavage
96.44 Vaginal douche
96.45 Irrigation of nephrostomy and pyelostomy
96.46 Irrigation of ureterostomy and ureteral catheter
96.47 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: Endotracheal respiratory assistance
            BiPAP delivered through endotracheal tube or tracheostomy
            (invasive interface)
            CPAP delivered through endotracheal tube or tracheostomy
            (invasive interface)
            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).
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES (87-99)

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).

96.70 Continuous invasive mechanical ventilation of unspecified duration
   Invasive mechanical ventilation NOS

96.71 Continuous invasive mechanical ventilation for less than 96 consecutive hours

96.72 Continuous invasive mechanical ventilation for 96 consecutive hours or more

97 Replacement and removal of therapeutic appliances

97.0 Nonoperative replacement of gastrointestinal appliance
   97.01 Replacement of (naso-)gastric or esophagostomy tube
   97.02 Replacement of gastrostomy tube
   97.03 Replacement of tube or enterostomy device of small intestine
   97.04 Replacement of tube or enterostomy device of large intestine
   97.05 Replacement of stent (tube) in biliary or pancreatic duct

97.1 Nonoperative replacement of musculoskeletal and integumentary system appliance
   97.11 Replacement of cast on upper limb
   97.12 Replacement of cast on lower limb
   97.13 Replacement of other cast
   97.14 Replacement of other device for musculoskeletal immobilization
      Splinting
      Strapping
   97.15 Replacement of wound catheter
   97.16 Replacement of wound packing or drain
      Excludes: repacking of:
      dental wound (97.22)
      vulvar wound (97.26)
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 implant (16.71)
        removal of orbital implant (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
   Use additional code 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
   Retepase
   Streptokinase
   Tenecteplase
   Tissue plasminogen activator (TPA)
   Urokinase

   Excludes: aspirin --omit code
                GP IIb/IIIa platelet 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

Use additional code 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
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>99.25</td>
<td>Injection or infusion of cancer chemotherapeutic substance</td>
</tr>
<tr>
<td></td>
<td>Chemoembolization</td>
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<td></td>
<td>Injection or infusion of antineoplastic agent</td>
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<tr>
<td></td>
<td>Use additional code for disruption of blood brain barrier, if performed</td>
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<td></td>
<td>[BBBD] (00.19)</td>
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<td></td>
<td><strong>Excludes:</strong> immunotherapy, antineoplastic (00.15, 99.28)</td>
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<td></td>
<td>implantation of chemotherapeutic agent (00.10)</td>
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<td></td>
<td>injection of radioisotope (92.28)</td>
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<td></td>
<td>injection or infusion of biological response modifier [BRM] as an</td>
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<td></td>
<td>antineoplastic agent (99.28)</td>
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<td>intravenous infusion of clofarabine (17.70)</td>
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<td>99.26</td>
<td>Injection of tranquilizer</td>
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<td>99.27</td>
<td>Iontophoresis</td>
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<tr>
<td>99.28</td>
<td>Injection or infusion of biological response modifier [BRM] as an</td>
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<tr>
<td></td>
<td>antineoplastic agent</td>
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<td></td>
<td>Low-dose interleukin-2 (IL-2) therapy</td>
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<td></td>
<td>Infusion of cintredekin besudotox</td>
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<td></td>
<td>Immunotherapy, antineoplastic</td>
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<td></td>
<td>Interleukin therapy</td>
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<td>Tumor vaccine</td>
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<td></td>
<td><strong>Excludes:</strong> high-dose infusion interleukin-2 [IL-2] (00.15)</td>
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<tr>
<td>99.29</td>
<td>Injection or infusion of other therapeutic or prophylactic substance</td>
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<tr>
<td></td>
<td><strong>Excludes:</strong> administration of neuroprotective agent (99.75)</td>
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<td></td>
<td>immunization (99.31-99.59)</td>
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<tr>
<td></td>
<td>injection of sclerosing agent into: esophageal varices (42.33)</td>
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<td></td>
<td>hemorrhoids (49.42)</td>
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<td></td>
<td>veins (39.92)</td>
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<td></td>
<td>injection or infusion of human B-type natriuretic peptide (hBNP) (00.13)</td>
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<td>injection or infusion of nesiritide (00.13)</td>
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<td></td>
<td>injection or infusion of platelet inhibitor (99.20)</td>
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<td></td>
<td>injection or infusion of thrombolytic agent (99.10)</td>
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<tr>
<td></td>
<td>infusion of blood brain barrier disruption substance (00.19)</td>
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<tr>
<td></td>
<td>uterine artery embolization without coils (68.25)</td>
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</table>

### 99.3 Prophylactic vaccination and inoculation against certain bacterial diseases

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>99.31</td>
<td>Vaccination against cholera</td>
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<tr>
<td>99.32</td>
<td>Vaccination against typhoid and paratyphoid fever</td>
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<tr>
<td></td>
<td>Administration of TAB vaccine</td>
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<tr>
<td>99.33</td>
<td>Vaccination against tuberculosis</td>
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<tr>
<td></td>
<td>Administration of BCG vaccine</td>
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<tr>
<td>99.34</td>
<td>Vaccination against plague</td>
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<tr>
<td>99.35</td>
<td>Vaccination against tularemia</td>
</tr>
<tr>
<td>99.36</td>
<td>Administration of diphtheria toxoid</td>
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<td><strong>Excludes:</strong> administration of:</td>
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<tr>
<td></td>
<td>diphtheria antitoxin (99.58)</td>
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<tr>
<td></td>
<td>diphtheria-tetanus-pertussis, combined (99.39)</td>
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</tbody>
</table>
MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES (87-99)

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
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>99.59</td>
<td>Other vaccination and inoculation</td>
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<tr>
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<td>Vaccination NOS</td>
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<tr>
<td></td>
<td><strong>Excludes:</strong> injection of:&lt;br&gt; - gamma globulin (99.14)&lt;br&gt; - Rh immune globulin (99.11)</td>
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<td>immunization for:&lt;br&gt; - allergy (99.12) &lt;br&gt; - autoimmune disease (99.13)</td>
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<td>99.6</td>
<td><strong>Conversion of cardiac rhythm</strong></td>
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<td><strong>Excludes:</strong> open chest cardiac:&lt;br&gt; - electric stimulation (37.91)&lt;br&gt; - massage (37.91)</td>
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<tr>
<td>99.60</td>
<td>Cardiopulmonary resuscitation, not otherwise specified</td>
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<tr>
<td>99.61</td>
<td>Atrial cardioversion</td>
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<tr>
<td>99.62</td>
<td>Other electric countershock of heart</td>
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<td>Cardioversion:&lt;br&gt; - NOS&lt;br&gt; - external&lt;br&gt; - Conversion to sinus rhythm&lt;br&gt; - Defibrillation&lt;br&gt;</td>
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<tr>
<td></td>
<td>- External electrode stimulation</td>
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<td>99.63</td>
<td><strong>Closed chest cardiac massage</strong></td>
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<td>Cardiac massage NOS</td>
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<td>Manual external cardiac massage</td>
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<td>Carotid sinus stimulation</td>
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<td>Other conversion of cardiac rhythm</td>
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<td>99.7</td>
<td><strong>Therapeutic apheresis or other injection, administration, or infusion of other therapeutic or prophylactic substance</strong></td>
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<td>99.71</td>
<td>Therapeutic plasmapheresis</td>
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<td><strong>Excludes:</strong> extracorporeal immunoabsorption [ECI] (99.76)</td>
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<td>99.72</td>
<td>Therapeutic leukopheresis</td>
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<td>99.74</td>
<td>Therapeutic plateletapheresis</td>
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<td>99.75</td>
<td>Administration of neuroprotective agent</td>
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<td>99.76</td>
<td>Extracorporeal immunoabsorption</td>
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<td>Removal of antibodies from plasma with protein A columns</td>
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<td>99.77</td>
<td>Application or administration of adhesion barrier substance</td>
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<td>99.78</td>
<td>Aquapheresis</td>
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<td>Plasma water removal</td>
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<td>Ultrafiltration [for water removal]</td>
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<td><strong>Excludes:</strong> hemodiafiltration (39.95)&lt;br&gt;hemodialysis (39.95)&lt;br&gt;therapeutic plasmapheresis (99.71)</td>
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</tbody>
</table>
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 photochemotherapy (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 therapy (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
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Achillotomy 83.11
plastic 83.85

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- adhesion barrier substance **99.77**
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- Anistreplase (tPA, generic) **99.10**
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- Benton Visual Retention test **94.02**
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- Eminase® **99.10**
- inhaled nitric oxide **00.12**
- intelligence test or scale (Stanford-Binet)
  - (Wechsler) (adult) (children) **94.01**
  - Minnesota Multiphasic Personality Inventory (MMPI) **94.02**
  - MMPI (Minnesota Multiphasic Personality Inventory) **94.02**
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- Proleukin® (low-dose) **99.28**
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  - tetanus **99.38**
  - with diphtheria and pertussis, combined (DTP) **99.39**
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  - subtotal NEC **07.29**
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  - multiple (with resection or recession) **15.3**
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  - leaflet (heart) **35.10**
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  - profundus tendon (Wagner) **82.51**
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  - tendon **83.71**
  - hand **82.51**
  - profundus (Wagner) **82.51**
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- (arthrodesis of knee) **81.22**

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- (urethral sling) **59.5**
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    bypass graft 39.29
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  with interposition 45.65
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  with interposition 42.65
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  with interposition 42.63
  to intestinal segment(intrathoracic) NEC 42.54
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<td>colon (intrathoracic) NEC</td>
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<td>fallopian tube</td>
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<td>by reanastomosis</td>
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<td>gastroepiploic artery to coronary artery</td>
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<td>inferior vena cava and portal vein</td>
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<td>large-to-anus</td>
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<td>small-to-rectal stump</td>
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<td>small-to-small</td>
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<td>intrathoracic vessel NEC</td>
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<tr>
<td>kidney (pelvis)</td>
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<td>lacrimal sac to conjunctiva</td>
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<tr>
<td>left-to-right (systemic-pulmonary artery)</td>
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<td>accessory-hypoglossal</td>
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<td>pancreas (duct) (to)</td>
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<td>stomach</td>
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<td>pulmonary-aortic (Pott's)</td>
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<td>stomp to small intestine</td>
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<td>veins (suture of proximal to distal end) (with bypass graft)</td>
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<td>with excision or resection of vessel --see Phlebectomy, with anastomosis, by site</td>
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### Angiectomy
--- *see* Aneurysmectomy

### Angiectomy
--- *see* Aneurysmectomy

### Angiectomy
--- *see* Aneurysmectomy

### Angiectomy
--- *see* Aneurysmectomy

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<td>thoracic vessel NEC 38.35</td>
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<td>upper limb (artery) (vein) 38.33</td>
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<td>graft replacement (interposition) 38.40</td>
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<td>aorta 38.44</td>
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<td>artery 38.46</td>
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<td>aorta (arch) (ascending)</td>
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<td>(descending thoracic)</td>
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<td>abdominal 38.44</td>
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<td>thoracic 38.45</td>
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<tr>
<td>thoracoabdominal 38.45 [38.44]</td>
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<td>head and neck NEC 38.42</td>
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<tr>
<td>intracranial fluorescent vascular 88.59</td>
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<tr>
<td>left heart (aortic valve) (atrium) (ventricle) (ventricular outflow tract) 88.53</td>
</tr>
<tr>
<td>combined with right heart 88.54</td>
</tr>
<tr>
<td>right heart (atrium) (pulmonary valve) (ventricle) (ventricular outflow tract) 88.52</td>
</tr>
<tr>
<td>combined with left heart 88.54</td>
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<tr>
<td>SPY, coronary 88.59</td>
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<tr>
<td>vena cava (inferior) (superior) 88.51</td>
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<th><strong>Angiography (arterial)</strong> --see also Arteriography 88.40</th>
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<tr>
<td>by C.A.T. --see Scan, C.A.T., by site</td>
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<tr>
<td>by computed tomography --see Scan, C.A.T., by site</td>
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<td>by magnetic resonance - see Imaging, magnetic resonance, by site</td>
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<td>by radioisotope --see Scan, radioisotope, by site</td>
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<td>by ultrasound --see Ultrasonography, by site</td>
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<tr>
<td>basilar 88.41</td>
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<tr>
<td>brachial 88.48</td>
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<td>carotid (internal) 88.41</td>
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<td>celiac 88.47</td>
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<td>cerebral (posterior circulation) 88.41</td>
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<td>coronary NEC 88.57</td>
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<td>intra-operative fluorescent vascular 88.59</td>
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<tr>
<td>eye (fluorescein) 95.12</td>
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<tr>
<td>femoral 88.48</td>
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<td>heart 88.50</td>
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<td>intrathoracic vessels NEC 88.44</td>
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<td>lower extremity NEC 88.48</td>
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<td>neck 88.41</td>
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<tr>
<td>non-coronary, intra-operative fluorescent 17.71</td>
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<tr>
<td>placenta 88.46</td>
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<td>pulmonary 88.43</td>
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<tr>
<td>renal 88.45</td>
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<tr>
<td>specified artery NEC 88.49</td>
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<tr>
<td>transfemoral 88.48</td>
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<td>upper extremity NEC 88.49</td>
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<td>veins --see Phlebography vertebral 88.41</td>
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<table>
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<tr>
<th><strong>Angioplasty</strong> (laser)--see also Repair, blood vessel</th>
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<tr>
<td>Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.</td>
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<td>balloon (percutaneous transluminal) NEC 39.50</td>
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<td>coronary artery 00.66</td>
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<td>coronary 36.09</td>
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<td>carotid 00.61</td>
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<td>coronary (balloon) 00.66</td>
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<td>vein 39.32</td>
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<th><strong>Angioscopy, percutaneous</strong> 38.22</th>
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<td>eye (fluorescein) 95.12</td>
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      Reduction, dislocation
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<td>clamp, cerebral aneurysm (Crutchfield) (Silverstone)</td>
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<td>Crutchfield tongs (skull) (with synchronous skeletal traction)</td>
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<td>Dunlop's traction</td>
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<td>--see Reduction, fracture and Reduction, dislocation</td>
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<td>Lyman Smith traction</td>
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<td>with reduction of fracture or dislocation</td>
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**Drainage --Cont.**

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<td>thyroglossal tract (by incision) 06.09 by aspiration 06.01 thyroid (field) (gland) (by incision) 06.09 by aspiration 06.01 postoperative 06.02</td>
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<td>tonsil 28.0 tunica vaginalis 61.0 ureter (by catheter) 59.8 by anastomosis NEC --see also Anastomosis, ureter 56.79 incision 56.2</td>
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<td>extracranial ventricular shunt --see category 02.3 vertebral column 03.09</td>
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<td>Drawing test 94.08</td>
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<td>Drilling bone --see also Incision, bone 77.10 ovary 65.99</td>
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<td>Duodenectomy 45.62 with gastrectomy --see Gastroctomy pancreatectomy --see Pancreatectomy</td>
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<td>Duodencholedochotony 51.51</td>
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<td>Duodenoduodenostomy 45.91 proximal to distal segment 45.62</td>
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<td>Duodenoplasty 46.79</td>
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<td>Duodenoscopy 45.13 through stoma (artificial) 45.12 transabdominal (operative) 45.11</td>
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<td>Dupuytren operation fasciectomy 82.35 fasciotomy 82.12 with excision 82.35 shoulder disarticulation 84.08</td>
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<td>Duraplasty 02.12</td>
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<td>Durham (-Caldwell) operation (transfer of biceps femoris tendon) 83.75</td>
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<td>DuToit and Roux operation (staple capsulorrhaphy of shoulder) 81.82</td>
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<td>DuVries operation (tenoplasty) 83.88</td>
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<td>Dwyer operation fasciotomy 83.14 soft tissue release NEC 83.84 wedge osteotomy, calcaneus 77.28</td>
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**Note:** Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

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<tr>
<td>Percutaneous approach, intracranial vessel(s)</td>
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### Endoluminal (endothelial) shunt

#### 20.71

### Endometrectomy (uterine) (internal)

**Note:**

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<td>CUL-de-sac</td>
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### Endoprostheses

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<td>Femoral head (bipolar)</td>
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### Endoscopy

#### Biliary tract ---Cont.

**Note:**

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<td>Percutaneous approach (via T-tube or other tract)</td>
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<tr>
<td>Bladder with removal of common duct stones</td>
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<td>With biopsy</td>
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<td>Lung --See Bronchoscopy</td>
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<td>joint -- see also Arthrectomy 80.90</td>
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**Excision** - lesion - blood vessel ---Cont.

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  - Cobalt 60 92.32
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          (including skin, subcutaneous tissue, and fat) 40.3
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        radical 40.54
        regional (extended) 40.3
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    radical 40.54
    regional (extended) 40.3
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    external 40.29
      radical 40.59
      regional (extended) 40.3
    regional (extended) 40.3
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    periaortic 40.29
      radical 40.52
      regional (extended) 40.3
    radical 40.50
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        --see Mastectomy, radical
        specified site NEC 40.59
      regional (extended) 40.3
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          regional (extended) 40.3
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        jaw 76.5
        sternoclavicular 80.91
        temporomandibular (joint) 76.5
        wrist 80.93
      mulleian duct cyst 60.73
      muscle 83.45
        for graft 83.43
          hand 82.34
          hand 82.36
          for graft 82.34
      myositis ossificans 83.32
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      neoplasm --see Excision, lesion, by site
      nerve (cranial) (peripheral) NEC 04.07
      sympathetic 05.29
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<td>Clavicle</td>
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<td>Femur</td>
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<td>Monoplanar system</td>
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<tr>
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Note: Also use either 81.62, 81.63, or 81.64 as an additional code to show the total number of vertebrae fused

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    - radial (refractive) 11.75
  - cranial sinus 01.21
  - craniofacial pouch 07.72
  - cul-de-sac 70.12
  - cyst
    - dentigerous 24.0
    - radicular (apical) (periapical) 24.0
  - Duhrssen's (cervix, to assist delivery) 73.93
  - duodenum 45.01
  - ear
    - external 18.09
    - inner 20.79
      - middle 20.23
      - endocardium 37.11
      - endolymphatic sac 20.79
  - epididymis 63.92
  - epidural space, cerebral 01.24
  - epigastric region 54.0
    - intra-abdominal 54.19
  - esophagus, esophageal NEC 42.09
  - web 42.01
  - exploratory -- see Exploration extradural space (cerebral) 01.24
## Incision (and drainage) --- Cont.

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**Incision (and drainage) ---Cont.**

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**Incision (and drainage) ---Cont.**

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Incision (and drainage) -tendon --Cont.
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  thenar space 82.04
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  thoracoscopic 07.95
  thyroid (field) (gland) NEC 06.09
  postoperative 06.02
  tongue NEC 25.94
  for tongue tie 25.91
  tonsil 28.0
  trachea NEC 31.3
  tunica vaginalis 61.0
  urachal cyst 54.0
  ureter 56.2
  urethra 58.0
  uterus (corpus) 68.0
  cervix 69.96
  for termination of pregnancy 74.91
  septum (congenital) 68.22
  uvula 27.71
  vagina (cuff) (septum) (stenosis) 70.14
  for incisional hematoma (episiotomy) 75.91
  obstetrical hematoma NEC 75.92
  pelvic abscess 70.12
  vas deferens 63.6
  vein 38.00
    abdominal 38.07
    head and neck NEC 38.02
    intracranial NEC 38.01
    lower limb 38.09
    thoracic NEC 38.05
    upper limb 38.03
  vertebral column 03.09
  vulva 71.09
  obstetrical 75.92
  web, esophageal 42.01
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  with
    stapedectomy --see also Stapedectomy 19.19
    tympanoplasty --see Tympanoplasty
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Incudostapediopexy 19.19
  with incus replacement 19.11
Indentation, sclera, for buckling --see also Buckling, scleral 14.49
Indicator dilution flow measurement 89.68
Induction --Cont
  labor
    medical 73.4
    surgical 73.01
    intra- and extra-amniotic injection 73.1
    stripping of membranes 73.1
Inflation
  belt wrap 93.99
  Eustachian tube 20.8
  fallopian tube 66.8
  with injection of therapeutic agent 66.95
Infolding, sclera, for buckling --see also Buckling, scleral 14.49
Infraction, turbinates (nasal) 21.62
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  hypophyseal --see also Hypophysectomy, partial 07.63
  ventricle (heart) (right) 35.34
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  disruption of blood brain barrier [BBBD] 00.19
4-Factor Prothrombin Complex Concentrate 00.96
Abciximab 99.20
antibiotic
  oxazolidinone class 00.14
  antineoplastic agent (chemotherapeutic) 99.25
  biological response modifier [BRM] 99.28
  cintredekin besudotox 99.28
  clofarabine 17.70
  CLOLAR® 17.70
  drotrecogin alfa (activated) 00.11
  electrolytes 99.18
  enzymes, thrombolytic (streptokinase) (tissue plasminogen activator) (TPA) (urokinase) direct coronary artery 36.04
  intravenous 99.10
  Eptifibatide 99.20
  gamma globulin 99.14
  glucarpidase 00.95
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- GP IIb/IIa inhibitor 99.20
- hormone substance NEC 99.24
- human B-type natriuretic peptide(hBNP) 00.13
- IgG (immunoglobulin) 99.14
- immunoglobulin (IgG) (IVIG) (IVIg) 99.14
- immunosuppressive antibody therapy 00.18
- interleukin-2
  - high-dose 00.15
  - low-dose 99.28
- IVIG (immunoglobulin) (IVIg) 99.14
- Kcentra™ 00.96
- lymphocyte 99.09
- nesiritide 00.13
- neuroprotective agent 99.75
- nimodipine 99.75
- nutritional substance --see Nutrition platelet inhibitor
  - direct coronary artery 36.04
    - intravenous 99.20
- Proleukin (low-dose) 99.28
  - high-dose 00.15
- prophylactic substance NEC 99.29
- radioisotope (liquid brachytherapy) (liquid I-125) 92.20
- radioimmunoconjugate 92.28
- radioimmunotheraphy 92.28
- recombinant protein 00.11
- reteplase 99.10
- therapeutic substance NEC 99.29
- thrombolytic agent (enzyme)(streptokinase) 99.10
  - with percutaneous transluminal angioplasty

**Note:** Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated.

- coronary (single vessel) 36.02
- multiple vessels 36.05
- non-coronary vessel(s) 39.50
- specified site NEC 39.50
- direct intracoronary artery 36.04
- tirofiban (HCL) 99.20
- vaccine
  - tumor 99.28
  - vasopressor 00.17
- Voraxaze® 00.95

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- anterior chamber, eye (air) (liquid) (medication) 12.92
- antibiotic 99.21
  - oxazolidinone class 00.14
- anticoagulant 99.19
- anti-D (Rhesus) globulin 99.11
- antidote NEC 99.16
- anti-infective NEC 99.22
- antineoplastic agent (chemotherapeutic)
  - NEC 99.25
    - biological response modifier [BRM] 99.28
    - cintredekin besudotox 99.28
      - high-dose interleukin-2 00.15
      - low-dose interleukin-2 99.28
- antivenin 99.16
- barrier substance, adhesion 99.77
- BCG
  - for chemotherapy 99.25
  - vaccine 99.33
- bone marrow 41.92
  - transplant --see Transplant, bone, marrow
    - breast (therapeutic agent) 85.92
  - for chemotherapy 99.25
- cancer chemotherapeutic agent 99.25
- caudal --see Injection, spinal
- cintredekin besudotox 99.28
  - high-dose interleukin-2 00.15
  - low-dose interleukin-2 99.28
- cisterna (inert material) (bilateral) 85.52
- caudal --see Injection, spinal
- costochondral junction 81.92
- dinoprost—tromethine, intra-amniotic 75.0
- disc, intervertebral (herniated) 80.52
- ear, with alcohol 20.72
- electrolytes 99.18
- enzymes, thrombolytic (streptokinase)
  - (tissue plasminogen activator) (TPA) (urokinase)
    - direct coronary artery 36.04
      - intravenous 99.10
- epidural, spinal --see Injection, spinal
- esophageal varices or blood vessel
  - (endoscopic) (sclerosing agent) 42.33
- Eustachian tube (inert material) 20.8
- eye (orbit) (retrobulbar) 16.91
- anterior chamber 12.92
- subconjunctival 10.91
- fascia 83.98
- hand 82.94
- gamma globulin 99.14
- ganglion, sympathetic 05.39
- ciliary 12.79
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- paravertebral stellate **05.39**
- gel, adhesion barrier --see Injection, adhesion barrier substance
- globulin
  - anti-D (Rhesus) **99.11**
  - gamma **99.14**
  - Rh immune **99.11**
- glucarpidase **00.95**
- heart **37.92**
- heavy metal antagonist **99.16**
- hemorrhoids (sclerosing agent) **49.42**
- hormone NEC **99.24**
- human B-type natriuretic peptide (hBNP) **00.13**
- IgG (immunoglobulin) **99.14**
- immune sera **99.14**
- immunoglobulin (IgG) (IVIg) **99.14**
- inert material --see Implant, inert material **76.96**
- inner ear, for destruction **20.72**
- insulin **99.17**
- intervertebral space for herniated disc **80.52**
- intra-amniotic
  - for induction of
    - abortion **75.0**
    - labor **73.1**
- intrathecal --see Injection, spinal
- IVIG (immunoglobulin) (IVIg) **99.14**
- joint (therapeutic agent) **81.92**
- temporomandibular **76.96**
- kidney (cyst) (therapeutic substance) NEC **55.96**
- larynx **31.0**
- ligament (joint) (therapeutic substance) **81.92**
- liver **50.94**
- lung, for surgical collapse **33.92**
- Methotrexate, for cancer chemotherapy **99.25**
- nerve (cranial) (peripheral) **04.80**
- agent NEC **04.89**
  - alcohol **04.2**
    - anesthetic for analgesia **04.81**
      - for operative anesthesia --omit code
    - neurolytic **04.2**
    - phenol **04.2**
  - laryngeal (external) (recurrent)
    - (superior) **31.91**
    - optic **16.91**
    - sympathetic **05.39**
      - alcohol **05.32**
        - anesthetic for analgesia **05.31**
        - neurolytic agent **05.32**
        - phenol **05.32**
      - nesiritide **00.13**
      - neuroprotective agent **99.75**
      - nimodipine **99.75**
      - orbit **16.91**
      - pericardium **37.93**

**Injection ---Cont.**

- peritoneal cavity air **54.96**
- locally-acting therapeutic substance **54.97**
- platelet inhibitor
  - direct coronary artery **36.04**
  - intravenous **99.20**
- prophylactic substance NEC **99.29**
- prostate **60.92**
- radioimmunoconjugate **92.28**
- radioimmunotherapy **92.28**
- radioisotopes (intracavitary) (intravenous) **92.28**
- renal pelvis (cyst) **55.96**
- retrobulbar (therapeutic substance) **16.91**
  - for anesthesia --omit code
- Rh immune globulin **99.11**
- RhoCAM **99.11**
- sclerosing agent NEC **99.29**
  - esophageal varices (endoscopic) **42.33**
  - hemorrhoids **49.42**
  - pleura **34.92**
  - treatment of malignancy (cytotoxic agent)
    - **34.92 [99.25]**
    - with tetracycline **34.92 [99.21]**
  - varicose vein **39.92**
  - vein NEC **39.92**
  - semicircular canals, for destruction **20.72**
  - silicone --see Implant, inert material
  - skin (sclerosing agent) (filling material) **86.02**
- soft tissue **83.98**
  - hand **82.96**
- spinal (canal) NEC **03.92**
  - alcohol **03.8**
  - anesthetic agent for analgesia **03.91**
    - for operative anesthesia --omit code
  - contrast material (for myelogram) **87.21**
  - destructive agent NEC **03.8**
  - neurolytic agent NEC **03.8**
  - phenol **03.8**
  - proteolytic enzyme (chymodiactin)
    - (chymopapain) **80.52**
  - saline (hypothermic) **03.92**
  - steroid NEC **03.92**
- spinal nerve root (intrathecal)
  - --see Injection, spinal
- steroid NEC **99.23**
- subarachnoid, spinal --see Injection, spinal
- subconjunctival **10.91**
- tendon **83.97**
  - hand **82.95**
- testis **62.92**
- therapeutic agent NEC **99.29**
- thoracic cavity **34.92**
- thrombolytic agent (enzyme)(streptokinase) **99.10**
  - with percutaneous transluminal angioplasty
**Injection**-thrombolytic---*Cont.*

- coronary 00.66
- non coronary vessels 39.50
- specified site NEC 39.50
- direct intracoronary artery 36.04
- trachea 31.94
- tranquilizer 99.26
- tunica vaginalis (with aspiration) 61.91
- tympanum 20.94
- urethra (inert material) for repair of urinary stress incontinence collagen implant 59.72
- endoscopic injection of implant 59.72
- fat implant 59.72
- polytef implant 59.72
- urine 00.28
- varices, esophagus (endoscopic) (sclerosing agent) 42.33
- varicose vein (sclerosing agent) 39.92
- esophagus (endoscopic) 42.33
- vestibule, for destruction 20.72
- vitreous substitute (silicone) 14.75
- for reattachment of retina 14.59
- vocal cords 31.0
- Voraxaze® 00.95

**Inlay, tooth** 23.3

**Inoculation**
- antitoxins --see Administration, antitoxins toxoids --see Administration, toxoids vaccine --see Administration, vaccine

**Insemination, artificial** 69.92

**Insertion**-balloon ---*Cont*
- intestine (for decompression) (for dilation) 46.85
- with insertion of colonic stent endoscopic 46.86
- other 46.87
- band (adjustable) gastric, laparoscopic 44.95
- Lap-Band™ 44.95
- Barton's tongues (skull) (with synchronous skeletal traction) 02.94
- bipolar endoprostheses (femoral head) 81.52
- Blakemore-Sengstaken tube 96.06
- bone growth stimulator (invasive) (percutaneous) (semi-invasive) --see category 78.9
- bone morphogenetic protein (Infuse™) (OP-1™) (recombinant) (rhBMP) 84.52
- bone void filler 84.55
- that with percutaneous vertebral augmentation 81.66
- that with percutaneous vertebralplasty 81.65
- bougie, cervix, nonobstetrical 67.0
- to assist delivery or induce labor 73.1
- breast implant (for augmentation) (bilateral) 85.54
- unilateral 85.53
- bridge (dental) (fixed) 23.42
- removable 23.43
- bubble (balloon), stomach 44.93
- caliper tongs (skull) (with synchronous skeletal traction) 02.94
- cannula
- Allen-Brown 39.93
- for extracorporeal membrane oxygenation (ECMO) --omit code
- nasal sinus (by puncture) 22.01
- through natural ostium 22.02
- pancreatic duct 52.92
- endoscopic 52.93
- vessel to vessel 39.93
- cardiac resynchronization device defibrillator (biventricular defibrillator) (BiV ICD) (BiV pacemaker with defibrillator) (BiV pacing with defibrillator) (CRT-D) (device and one or more leads) (total system) 00.51
- left ventricular coronary venous lead only 00.52
- pulse generator only 00.53
- pacemaker (biventricular pacemaker) (BiV pacemaker) (CRT-P) (device and one or more leads) (total system) 00.50
- left ventricular coronary venous lead only 00.52
- pulse generator only 00.53
- cardiac support device (CSD) (CorCap™) 37.41

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**ICD-9-CM INDEX TO PROCEDURES (FY15)**

**Injection**-thrombolytic---*Cont.*

- Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated.
- coronary 00.66
- non coronary vessels 39.50
- specified site NEC 39.50
- direct intracoronary artery 36.04
- trachea 31.94
- tranquilizer 99.26
- tunica vaginalis (with aspiration) 61.91
- tympanum 20.94
- urethra (inert material) for repair of urinary stress incontinence
- collagen implant 59.72
- endoscopic injection of implant 59.72
- fat implant 59.72
- polytef implant 59.72
- urine 00.28
- varices, esophagus (endoscopic) (sclerosing agent) 42.33
- varicose vein (sclerosing agent) 39.92
- esophagus (endoscopic) 42.33
- vestibule, for destruction 20.72
- vitreous substitute (silicone) 14.75
- for reattachment of retina 14.59
- vocal cords 31.0
- Voraxaze® 00.95

**Inlay, tooth** 23.3

**Inoculation**
- antitoxins --see Administration, antitoxins
- toxoids --see Administration, toxoids
- vaccine --see Administration, vaccine

**Insemination, artificial** 69.92

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  - nasopharynx 96.01
  - oropharynx 96.02
  - Allen-Brown cannula 39.93
- antimicrobial envelope 17.81
- aqueous drainage device (shunt) (stent) 12.67
- arch bars (orthodontic) 24.7
  - for immobilization (fracture) 93.55
  - atrial septal umbrella 35.52
  - Austin-Moore prosthesis 81.52
  - baffle, heart (atrial) (interatrial) (infra-atrial) 35.91
  - bag, cervix (nonobstetrical) 67.0
  - after delivery or abortion 75.8
  - to assist delivery or induce labor 73.1
  - Baker's (tube) (for stenting) 46.85
  - balloon
    - gastric 44.93
    - heart (pulsation-type) (Kantrowitz) 37.61
Insertion – cardiac resynchronization device
--- Cont.
carotid artery stent(s) (stent graft) (00.63)

Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

---
catheter
abdomen of fetus, for intrauterine transfusion 75.2
anterior chamber (eye), for permanent drainage (glaucoma) 12.79
artery 38.91
bile duct(s) 51.59
common 51.51
endoscopic 51.87
endoscopic 51.87
bladder, indwelling 57.94
suprapubic 57.18
percutaneous (closed) 57.17
bronchus 96.05
with lavage 96.56
central venous NEC 38.93
for hemodialysis 38.95
pressure monitoring 89.62
peripherally inserted central catheter (PICC) 38.93
with guidance 38.97
chest 34.04
revision (with lysis of adhesions) 34.04
thoracoscopic 34.06
thoracoscopic 34.06
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permanent tube 42.81
intercostal (with water seal), for drainage 34.04
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thoracoscopic 34.06
thoracoscopic 34.06
intracerebral 01.26
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NeuroFlo™ (partial abdominal aorta occlusion) 39.77
spinal canal space (epidural) (subarachnoid) (subdural) for infusion of therapeutic or palliative substances 03.90

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Insertion – catheter — Cont.
Swan-Ganz (pulmonary) 89.64
temporary occlusion, abdominal aorta 39.77
transtracheal for oxygenation 31.99
vein NEC 38.93
for renal dialysis 38.95
chest tube 34.04
thoracoscopic 34.06
choledochohepatic tube (for decompression) 51.43
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circulatory support device
CentriMag® 37.62
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biventricular 37.60
Impella® 37.68
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temporary 37.62
non-implantable 37.62
pVAD (percutaneous VAD) 37.68
TandemHeart® 37.68
temporary non-implantable circulatory assist device 37.62
cochlear prosthetic device — see Implant, cochlear prosthetic device contraceptive device (intrauterine) 69.7
CorCap™ 37.41
cordis cannula 34.98
coronary (artery)

Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

stent, drug-eluting 36.07
stent, non-drug-eluting 36.06
Crosby-Cooney button 54.98
CRT-D (biventricular defibrillator) (BiV ICD) (BiV pacemaker with defibrillator) (BiV pacing with defibrillator) (cardiac resynchronization defibrillator) (device and one or more leads) 00.51
left ventricular coronary venous lead only 00.52
pulse generator only 00.54
CRT-P (biventricular pacemaker) (BiV pacemaker) (cardiac resynchronization pacemaker) (device and one or more leads) 00.50
left ventricular coronary venous lead only 00.52
pulse generator only 00.53
Insertion --Cont.
Crutchfield tongs (skull) (with synchronous skeletal traction) 02.94
Davidson button 54.98
denture (total) 99.97
device
adjustable gastric band and port 44.95
bronchial device NOS 33.79
bronchial substance NOS 33.79
bronchial valve(s)
  multiple lobes 33.73
  single lobe 33.71
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CorCap™ 37.41
epicardial support device 37.41
Lap-Band™ 44.95
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left atrial filter 37.90
left atrial occluder 37.90
MitraClip™ mitral leaflet clip 35.97
prosthetic cardiac support device 37.41
sternal fixation device with rigid plates 84.94
vascular access 86.07
ventricular support device 37.41
diaphragm, vagina 96.17
drainage tube
  kidney 55.02
  pelvis 55.12
  renal pelvis 55.12
Dynesys® 84.82
elbow prosthesis (total) 81.84
  revision 81.97
electrode(s)
  bone growth stimulator (invasive)
    (percutaneous) (semi-invasive)
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  brain 02.93
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  foramen ovale 02.93
  sphenoidal 02.96
    depth 02.93
  foramen ovale 02.93
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  heart (initial) (transvenous) 37.70
    atrium (initial) 37.73
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      replacement 37.76
    epicardium (sternotomy or thoracotomy approach) 37.74
  left ventricular coronary venous system 00.52
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  replacement 37.76
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  osteogenic (for bone growth stimulation) --see category 78.9
  peripheral nerve 04.92
  sacral nerve 04.92
  sphenoidal 02.96
  spine 03.93
electroencephalographic receiver --see Implant, electroencephalographic receiver, by site
electronic stimulator --see Implant, electronic stimulator, by site
electrostimulator --see Implant, electronic stimulator, by site
endograft(s), endovascular graft(s)
  endovascular, abdominal aorta 39.71
  fenestrated (branching) 39.78
  endovascular, head and neck vessels 39.72
  endovascular, other vessels (for aneurysm) 39.79
  endovascular, thoracic aorta 39.73
endoprosthetics
  bile duct 51.87
  femoral head (bipolar) 81.52
  pancreatic duct 52.93
  envelope, antimicrobial 17.81
  epidural pegs 02.93
  external fixation device (bone) --see category 78.1
eye valve implant 12.67
facial bone implant (alloplastic)
  (synthetic) 76.92
filling material, skin (filling of defect) 86.02
filter
  vena cava (inferior) (superior) (transvenous) 38.7
fixator, mini device (bone)
  --see category 78.1
frame (stereotactic)
  for radiosurgery 93.59
Gardner Wells tongs (skull) (with synchronous skeletal traction) 02.94
gastric bubble (balloon) 44.93
globe, into eye socket 16.69
Greenfield filter 38.7
halo device (skull) (with synchronous skeletal traction) 02.94
Harrington rod --see also Fusion, spinal, by level
  with dorsal, dorsolumbar fusion 81.05
Harris pin 79.15
heart
  assist system --see Implant, heart assist system
Insertion -heart --Cont.
cardiac support device (CSD) 37.41
circulatory assist system --see Implant, heart assist system
CorCap™ 37.41
epicardial support device 37.41
Impella® 37.68
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prosthetic cardiac support device 37.41
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ventricular support device 37.41
hip prosthesis (partial) 81.52
revision NOS 81.53
  acutabular and femoral components (total) 00.70
  acetabular component only 00.71
  acetabular liner and/or femoral head only 00.73
  femoral component only 00.72
  femoral head only and/or acetabular liner 00.73
partial
  acetabular component only 00.71
  acetabular liner and/or femoral head only 00.73
  femoral component only 00.72
  femoral head only and/or acetabular liner 00.73
  total (acetabular and femoral components) 00.70
total 81.51
revision
  acutabular and femoral components (total) 00.70
  total (acetabular and femoral components) 00.70
Holter valve 02.22
Hufnagel valve --see Replacement, heart valve
implant --see Insertion, prosthesis
infusion pump 86.06
interbody spinal fusion device 84.51
intercostal catheter (with water seal) for drainage 34.04
revision (with lysis of adhesions) 34.04
thoracoscopic 34.06
intra-arterial blood gas monitoring system 89.60
intraterine
contraceptive device 69.7
radium (intracavitary) 69.91
tamponade (nonobstetric) 69.91
Kantrowitz
heart pump 37.62
pulsation balloon (phase-shift) 37.61
keratoprosthesis 11.73
King-Mills umbrella device (heart) 35.52

Insertion --Cont.
Kirschner wire 93.44
  with reduction of fracture or dislocation
    --see Reduction, fracture and dislocation
knee prosthesis (partial (total) 81.54
revision NOS 81.55
  femoral component 00.82
  partial
    femoral component 00.82
    patellar component 00.83
    tibial component 00.81
    tibial insert 00.84
  patellar component 00.83
  tibial component 00.81
  tibial insert 00.84
  total (all components) 00.80
Lap-Band™ 44.95
laminaria, cervix 69.93
larynx, valved tube 31.75
leads --see Insertion, electrode(s)
  lens, prosthetic (intraocular) 13.70
    with cataract extraction, one-stage 13.71
    secondary (subsequent to cataract extraction) 13.72
limb lengthening device, internal, NOS 84.54
  with kinetic distraction 84.53
loop recorder 37.79
M-Brace™ 84.82
metal staples into epiphyseal plate --see also Stapling, epiphyseal plate 78.20
minifixator device (bone)
  --see category 78.1
Mobitz-Uddin umbrella, vena cava 38.7
mold, vagina 96.15
Moore (cup) 81.52
myringotomy device (button) (tube) 20.01
  with intubation 20.01
nasobiliary drainage tube (endoscopic) 51.86
nasogastric tube
  for decompression, intestinal 96.07
  feeding 96.6
nasointestinal tube 96.08
nasolacrimal tube or stent 09.44
nasopancreatic drainage tube (endoscopic) 52.97
neuropacemaker --see Implant, neurostimulator, by site
neurostimulator --see Implant, neurostimulator, by site
Insertion —Cont.
non-coronary vessel stent(s) (stent graft)

Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

with
- angioplasty 39.50
- atherectomy 17.56
- bypass —omit code
- basilar 00.64
- carotid 00.63
- extracranial 00.64
- intracranial 00.65
- peripheral 39.90
- bare, drug-coated 39.90
- drug-eluting 00.55
- vertebral 00.64

non-invasive (transcutaneous) (surface) stimulator 99.86

obturato r (orthodontic) 24.7

corporal implant
- with synchronous enucleation 16.42
- with muscle attachment to implant 16.41
- evisceration 16.31
- following or secondary to enucleation 16.61
- evisceration 16.61

Ommaya reservoir 02.22

orbital implant (stent) (outside muscle cone) 16.69
- with orbitotomy 16.02

orthodontic appliance (obturator) (wiring) 24.7

outflow tract prosthesis (gusset type) (heart)
- in pulmonary valvuloplasty 35.26
- total repair of tetralogy of Fallot 35.81

pacemaker
- brain —see Implant, neurostimulator, brain cardiac (device) (initial) (permanent) (replacement) 37.80
dual-chamber device (initial) 37.83
- replacement 37.87
during and immediately following cardiac surgery 39.64
- resynchronization (biventricular pacemaker) (BiV pacemaker) (CRT-P) (device)

Insertion —pacemaker —Cont.
device only (initial) (replacement) 00.53
total system (device and one or more leads) 00.50
- transvenous lead into left ventricular coronary venous system 00.52
- single-chamber device (initial) 37.81
- rate responsive 37.82
- replacement 37.85
- rate responsive 37.86
temporary transvenous pacemaker system 37.78
during and immediately following cardiac surgery 39.64
carotid 39.89

- gastrointestinal 04.92
- heart—see insertion, pacemaker, cardiac intracranial —see Implant, neurostimulator, intracranial neural —see Implant, neurostimulator, by site

- peripheral nerve —see Implant, neurostimulator, peripheral nerve
- spine —see Implant, neurostimulator, spine

- pacing catheter —see Insertion, pacemaker, cardiac
- pack

- auditory canal, external 96.11
cervix (nonobstetrical) 67.0
- after delivery or abortion 75.8
to assist delivery or induce labor 73.1
rectum 96.19

- sella turcica 07.79

vagina (nonobstetrical) 96.14
- after delivery or abortion 75.8
palatal implant 27.64

- penile prosthesis (non-inflatable) (internal) 64.95
inflatable (internal) 64.97

- periodontal splint (orthodontic) 24.7
- peripheral blood vessel —see non-coronary

- pessary
cervix 96.18
- to assist delivery or induce labor 73.1
vagina 96.18

pharyngeal valve, artificial 31.75
port, vascular access 86.07
prostaglandin suppository (for abortion) 96.49

prosthesis, prosthetic device

- acetabulum (partial) 81.52

- hip 81.52
- revision NOS 81.53

- acetabular and femoral components (total) 00.70
- acetabular component only 00.71

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### ICD-9-CM INDEX TO PROCEDURES (FY15)

<table>
<thead>
<tr>
<th>Insertion</th>
<th>prosthesis -hip ---Cont.</th>
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<tbody>
<tr>
<td>acetabular liner and/or femoral head only</td>
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<td>femoral component only</td>
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<td>Rosen (for urinary incontinence)</td>
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<td>pseudophakos --see also Insertion, lens</td>
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<td>pump, infusion</td>
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<td>radioactive isotope</td>
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<td>radium</td>
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<tr>
<td>radon seeds</td>
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Insertion –prosthesis ---Cont.
   Reuter bobbin (with intubation) 20.01
   Rickham reservoir 02.22
   Rosen prosthesis (for urinary incontinence) 59.79
   Scribner shunt 39.93
   Sengstaken-Blakemore tube 96.06
   sensor(lead)
      intra-aneurysm sac pressure monitoring device 00.58
      intra-arterial, for continuous blood gas monitoring 89.60
      intracardiac or great vessel hemodynamic monitoring
         with lead 00.56
         without lead 38.26
   shunt –seeShunt sieve, vena cava 38.7
   skeletal muscle stimulator 83.92
   skull plate 02.05
   stereotactic frame 93.59
   tongs (Barton) (caliper) (Garder Wells) (Vinke) (with synchronous skeletal traction) 02.94
   spacer (cement) (joint) (methylmethacrylate) 84.56
   spine 84.51
   sphenoidal electrodes 02.96
   spine bone void filler
      that with percutaneous vertebral augmentation 81.66
      that with percutaneous vertebroplasty 81.65
   cage (BAK) 84.51
   facet replacement device(s) 84.84
   interbody spinal fusion device 84.51
   interspinous process decompression device 84.80
   non-fusion stabilization device –see category 84.8
   pedicle-based dynamic stabilization device(s) 84.82
   posterior motion preservation device(s) –see category 84.8
   spacer 84.51
   Spitz-Holter valve 02.2
   Steinmann pin 93.44
   with reduction of fracture or dislocation
      --see Reduction, fracture and Reduction, dislocation
   stent(s) (stent graft)
      aqueous drainage 12.67
      artery (bare) (bonded) (drug coated) (non-drug-eluting)
      drug-eluting 36.07

Insertion –stent(s) --Cont.
   Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.
   basilar 00.64
   carotid 00.63
   cerebrovascular cerebral (intracranial) 00.65
   precerebral (extracranial) 00.64
   carotid 00.63
   coronary (bare) (bonded) (drug coated) (non-drug-eluting) 36.06
   drug-eluting 36.07
   extracranial 00.64
   carotid 00.63
   femoral artery, superficial 39.90
   drug-eluting 00.60
   non-drug-eluting 36.07
   intracranial 00.65
   non-coronary vessel basilar 00.64
   carotid 00.63
   extracranial 00.64
   femoral artery, superficial 39.90
   drug-eluting 00.60
   non-drug-eluting 36.07
   intracranial 00.65
   peripheral 39.90
   bare, drug-coated 39.90
   drug-eluting 00.55
   vertebral 00.64
   bile duct 51.43
   endoscopic 51.87
   percutaneous transhepatic 51.98
   colon endoscopic (fluoroscopic guidance) 46.86
   other 46.87
   coronary (artery)(bare) (bonded) (drug coated) (non-drug-eluting) 36.06

Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.
   drug-eluting 36.07
**ICD-9-CM INDEX TO PROCEDURES (FY15)**

**Insertion - stent(s) --- Cont.**

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Code</th>
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<tbody>
<tr>
<td>esophageal (endoscopic) (fluoroscopic)</td>
<td>42.81</td>
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<tr>
<td>mesenteric</td>
<td>39.90</td>
</tr>
<tr>
<td>bare, drug-coated</td>
<td>39.90</td>
</tr>
<tr>
<td>drug-eluting</td>
<td>00.55</td>
</tr>
<tr>
<td>non-coronary vessel</td>
<td></td>
</tr>
</tbody>
</table>

Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

- bare, drug-coated 39.90
- drug-eluting 00.55
- renal 39.90
- bare, drug-coated 39.90
- drug-eluting 00.55
- subclavian 39.90
- peripheral 39.90
- bare, drug-coated 39.90
- drug-eluting 00.55
- vertebral 00.64
- pancreatic duct 52.92
- endoscopic 52.93
- peripheral vessel 39.90

**Insertion - stent(s)-precerebral --- Cont.**

Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

- bare, drug-coated 39.90
- drug-eluting 00.55
- tracheobronchial 96.05
- vertebral 00.64

Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

- sternal fixation device with rigid plates 84.94
- stimociever -- see Implant, neurostimulator, by site
- stimulator for bone growth -- see category 78.9
- subdural grids 02.93
- strips 02.93
- suppository
  - prostaglandin (for abortion) 96.49
  - vagina 96.49
- Swan-Ganz catheter (pulmonary) 89.64
- tampon
  - esophageal 96.06
  - uterus 69.91
  - vagina 96.14
- after delivery or abortion 75.8
- Tandem™ heart 37.68
- telescope (IMT) (miniature) 13.91

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**ICD-9-CM INDEX TO PROCEDURES (FY15)**

**Insertion - stent(s) --- Cont.**

<table>
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<tr>
<th>Procedure</th>
<th>Code</th>
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<tr>
<td>esophageal (endoscopic) (fluoroscopic)</td>
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<tr>
<td>mesenteric</td>
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<td>bare, drug-coated</td>
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<td>drug-eluting</td>
<td>00.55</td>
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<tr>
<td>non-coronary vessel</td>
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Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

- bare, drug-coated 39.90
- drug-eluting 00.55
- femoral artery, superficial, drug-eluting 00.60
- precerebral 00.64

---

**ICD-9-CM INDEX TO PROCEDURES (FY15)**

**Insertion - stent(s)-precerebral --- Cont.**

Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

- bare, drug-coated 39.90
- drug-eluting 00.55
- tracheobronchial 96.05
- vertebral 00.64

Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

- sternal fixation device with rigid plates 84.94
- stimociever -- see Implant, neurostimulator, by site
- stimulator for bone growth -- see category 78.9
- subdural grids 02.93
- strips 02.93
- suppository
  - prostaglandin (for abortion) 96.49
  - vagina 96.49
- Swan-Ganz catheter (pulmonary) 89.64
- tampon
  - esophageal 96.06
  - uterus 69.91
  - vagina 96.14
  - after delivery or abortion 75.8
- Tandem™ heart 37.68
- telescope (IMT) (miniature) 13.91
### Insertion—Cont.

<table>
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<td>tissue mandril (peripheral vessel) (Dacron) (Spark's type)</td>
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<td>tongues, skull (with synchronous skeletal traction)</td>
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<td>tube --see also Catheterization and intubation</td>
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<td>endotracheal</td>
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<td>rectum</td>
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### Insertion—Cont.

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<td>Holter</td>
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<td>Hufnagel --see Replacement, heart valve pharyngeal (artificial)</td>
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<td>Spitz-Holter</td>
<td>02.22</td>
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<td>vas deferens</td>
<td>63.95</td>
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<td>vascular access device,totally implantable</td>
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<tr>
<td>vena cava sieve or umbrella</td>
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<tr>
<td>Vinke tongs (skull) (with synchronous skeletal traction)</td>
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<td>X Stop™</td>
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### Instillation

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<tr>
<td>bladder</td>
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<tr>
<td>digestive tract, except gastric gavage</td>
<td>96.43</td>
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<tr>
<td>genitourinary NEC</td>
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<tr>
<td>radioisotope (intracavitary) (intravenous)</td>
<td>92.28</td>
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<tr>
<td>thoracic cavity</td>
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### Insufflation

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<tr>
<td>Eustachian tube</td>
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<tr>
<td>fallopian tube (air)(dye)(gas)(saline) for radiography</td>
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<tr>
<td>--see Hysterosalpingography</td>
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<tr>
<td>therapeutic substance</td>
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<td>lumbar retroperitoneal, bilateral</td>
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### Intercricothyroidotomy

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<tr>
<td>(for assistance in breathing)</td>
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### Interleukin-2, infusion

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### Intermittent positive pressure breathing (IPPB)

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### Interposition operation

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<tr>
<td>esophageal reconstruction (intrathoracic) (retrosternal) NEC --see also</td>
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<td>Anastomosis, esophagus, with, interposition</td>
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<td>antesternal or antethoracic NEC --see also</td>
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<td>Anastomosis, esophagus, antesternal, with, interposition</td>
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### Interrogation

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<td>cardioverter-defibrillator, automatic(AICD) with catheter based invasive</td>
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<td>electrophysiologic testing</td>
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<tr>
<td>with NIPS (arrhythmia induction)</td>
<td>37.26</td>
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<tr>
<td>interrogation only (bedside device check)</td>
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<tr>
<td>Interrogation</td>
<td>CRT-D (cardiac resynchronization defibrillator) with catheter based invasive electrophysiologic testing</td>
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<td>CRT-P (cardiac resynchronization pacemaker) with catheter based invasive electrophysiologic testing</td>
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Iontophoresis 99.27
Iridectomy (basal) (buttonhole) (optical) (peripheral) (total) 12.14
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capsulectomy 13.65
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Iridodectomy 12.63
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Iridosclerectomy 12.65
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Iridotasis 12.63
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by photocoagulation 12.12
with transfixion 12.11
for iris bombé 12.11
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cystostomy 96.47
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with removal of foreign body 98.21
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canaliciuli 09.42
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hand 82.02
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hammer toe (interphalangeal fusion) 77.56
modified (tendon transfer with arthrodesis) 77.57
repair of peroneal tendon 83.88
Joplin operation (exostectomy with tendon transfer) 77.53
### K

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<tr>
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<td><strong>Kasai portoenterostomy</strong></td>
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<td><strong>Kaufman operation</strong> (for urinary stress incontinence)</td>
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<td><strong>Kazanjian operation</strong> (buccal vestibular sulcus extension)</td>
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<td><strong>Keratocentesis</strong> (for hyphema)</td>
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<td><strong>Kessler operation</strong> (arthroplasty, carpometacarpal joint)</td>
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Labbe operation (gastrotomy) 43.0
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LITT (laser interstitial thermal therapy) under guidance

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  breast 17.69
  head and neck 17.62
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Nailing, intramedullary
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Necropsy 89.8
Needleoscopy (fetus) 75.31
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Bartholin's gland (cyst) 71.21
cataract (secondary) 13.64
fallopian tube 66.91
hydrocephalic head 73.8
lens (capsule) 13.2
pupillary membrane (iris) 12.35
Nefrectomy (complete) (total) (unilateral) 55.51
bilateral 55.54
partial (wedge) 55.4
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bilateral 55.54
partial (wedge) 55.4
removing or solitary kidney 55.52
removal transplanted kidney 55.53
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peripheral parenteral 99.15
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<td>(GP IIB/IIIa inhibitor only), infusion</td>
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<td>--see also Buckling, scleral</td>
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<td>dental 24.19</td>
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<td>canaliculi 09.42</td>
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<td>punctum (with irrigation) 09.41</td>
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Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

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Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

non-coronary percutaneous transluminal approach

Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

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Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

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Note: Also use 00.40, 00.41, 00.42, or 00.43 to show the total number of vessels treated. Use code 00.44 once to show procedure on a bifurcated vessel. In addition, use 00.45, 00.46, 00.47, or 00.48 to show the number of vascular stents inserted.

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    - with femoral head 00.85
  - femoral head 00.86
    - with acetabulum 00.85
    - partial NOS 00.85
    - acetabulum 00.87
    - femoral head 00.86
    - total (acetabulum and femoral head) 00.85

Resuscitation
- artificial respiration 93.93
- cardiac 99.60
  - cardioversion 99.62
  - defibrillation 99.61
- external massage 99.63
  - open chest 37.91
- intracardiac injection 37.92
- cardiopulmonary 99.60
- endotracheal (catheter stent)
  - homograft (prosthesis)
  - saphenous vein graft 36.10
  - one coronary vessel 36.11
  - two coronary vessels 36.12
  - three coronary vessels 36.13
  - four coronary vessels 36.14
  - gastroepiploic artery to coronary artery
  - internal mammary-coronary artery
    - (single vessel) 36.15
    - double vessel 36.16
    - specified type NEC 36.19
  - thoracic artery-coronary artery
    - (single vessel) 36.15
    - double vessel 36.16
    - implantation of artery into heart(muscle)
      - (myocardium) (ventricle) 36.2
    - indirect 36.2
    - specified type NEC 36.39
    - transmyocardial
      - endoscopic 36.33

Retavase, infusion 99.10
Retepla, infusion 99.10
Retightening (noninvasive)
  - external fixator device --omit code

Retinacularotomy NEC --see also Division, ligament 80.40
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Retraining
cardiac 93.36
vocational 93.85

Retrogasserian neurotomy 04.02

Revascularization
cardiac (heart muscle) (myocardium) (direct) 36.10
  - with
    - bypass anastomosis
      - abdominal artery to coronary artery 36.17
    - aortocoronary (catheter stent)
      - (homograft) (prosthesis)
      - (saphenous vein graft) 36.10
      - one coronary vessel 36.11
      - two coronary vessels 36.12
      - three coronary vessels 36.13
      - four coronary vessels 36.14
    - gastroepiploic artery to coronary artery 36.17
    - internal mammary-coronary artery
      - (single vessel) 36.15
      - double vessel 36.16
      - specified type NEC 36.19
    - thoracic artery-coronary artery
      - (single vessel) 36.15
      - double vessel 36.16
      - implantation of artery into heart(muscle)
        - (myocardium) (ventricle) 36.2
    - indirect 36.2
    - specified type NEC 36.39
    - transmyocardial
      - endoscopic 36.33
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  endovascular 36.34
  open chest 36.31
  percutaneous 36.34
  specified type NEC 36.32
  thoracoscopic 36.33

Reversal, intestinal segment 45.50
  large 45.52
  small 45.51

Revision
  amputation stump 84.3
  current traumatic --see Amputation
  anastomosis
    biliary tract 51.94
    blood vessel 39.49
    gastric, gastrointestinal (with jejunal
      interposition) 44.5
    intestine (large) 46.94
      small 46.93
    pleurothecal 03.97
    pyelointestinal 56.72
    salpingothecal 03.97
    subarachnoid-peritoneal 03.97
    subarachnoid-ureteral 03.97
    ureterointestinal 56.72
  ankle replacement (prosthesis) 81.59
  anterior segment (eye) wound (operative) NEC
    12.83
  arteriovenous shunt(cannula)(for dialysis) 39.42
  arthroplasty --see Arthroplasty
  bone flap, skull 02.06
  breast implant 85.93
  bronchostomy 33.42
  bypass graft (vascular) 39.49
    abdominal - coronary artery 36.17
    aortocoronary (catheter stent)(with prosthesis)(
      with saphenous vein graft)(with vein graft)
      36.10
    one coronary vessel 36.11
    two coronary vessels 36.12
    three coronary vessels 36.13
    four coronary vessels 36.14
  CABG --see Revision, aortocoronary bypass
    graft
  chest tube --see intercostal catheter
  coronary artery bypass graft (CABG) --see
    Revision, aortocoronary bypass graft,
    abdominal - coronary artery bypass, and
    internal mammary -coronary artery bypass
    internal mammary -coronary artery (single)
      36.15
    double vessel 36.16
  cannula, vessel-to-vessel (arteriovenous) 39.94
  canthus, lateral 08.59
  cardiac pacemaker
    device (permanent) 37.89
    electrode(s) (atrial) (transvenous) (ventricular)
      37.75
    pocket 37.79

Revision ---Cont.
  cardiac resynchronization defibrillator (CRT-D)
    device 37.79
    electrode(s) 37.75
    pocket 37.79
  cardiac resynchronization pacemaker (CRT-P)
    device (permanent) 37.89
    electrode(s) (atrial) (transvenous)
      (ventricular) 37.75
    pocket 37.79
  cardioverter/defibrillator (automatic)
    pocket 37.79
  cholecystostomy 51.99
  cleft palate repair 27.63
  colostomy 46.43
  conduit, urinary 56.52
  cystostomy (stoma) 57.22
  disc --see Revision, intervertebral disc
  elbow replacement (prosthesis) 81.97
  enterostomy (stoma) 46.40
    large intestine 46.43
    small intestine 46.41
  enucleation socket 16.64
    with graft 16.63
  esophagostomy 42.83
  exenteration cavity 16.66
    with secondary graft 16.65
  extraocular muscle surgery 15.6
  fenestration, inner ear 20.62
  filtering bleb 12.66
  fixation device (broken) (displaced)
    --see also Fixation, bone, internal 78.50
  flap or pedicle graft (skin) 86.75
  foot replacement (prosthesis) 81.59
  gastric anastomosis (with jejunal
    interposition) 44.5
  gastric band, laparoscopic 44.96
  gastric port device
    laparoscopic 44.96
  gastroduodenostomy (with jejunal
    interposition) 44.5
  gastrointestinal anastomosis (with jejunal
    interposition) 44.5
  gastrojejunostomy 44.5
  gastroscope 44.69
  laparoscopic 44.68
  hand replacement (prosthesis) 81.97
  heart procedure NEC 35.95
  hip replacement NOS 81.53
    acetabular and femoral components
      (total) 00.70
    acetabular component only 00.71
    acetabular liner and/or femoral head
      only 00.73
    femoral component only 00.72
    femoral head only and/or acetabular
      liner 00.73
    partial
      acetabular component only 00.71
**Revision - hip replacement --Cont.**

- acetalubar liner and/or femoral head only 00.73
- femoral component only 00.72
- femoral head only and/or acetabular liner 00.73
- total (acetabular and femoral components) 00.70

**Revision - joint replacement--Cont.**

- lower extremity NEC 81.59
- toe 81.59
- upper extremity 81.97
- wrist 81.97
- knee replacement (prosthesis) NOS 81.55
- femoral component 00.82
  - partial femoral component 00.82
  - patellar component 00.83
  - tibial component 00.81
  - tibial insert 00.84
  - patellar component 00.83
  - tibial component 00.81
  - tibial insert 00.84
  - total (all components) 00.80

- Holter (Spitz) valve 02.42
- intercostal catheter (with lysis of adhesions) 34.04
- thoracoscopic 34.06
- ileal conduit 56.52
- ileostomy 46.41
- intervertebral disc, artificial (partial) (total) NOS 84.69
  - cervical 84.66
  - lumbar, lumbosacral 84.68
  - thoracic 84.67
- Jejunostomy 46.93
- Jejunostomy 46.41
- joint replacement
  - acetalubar and femoral components (total) 00.70
  - acetalubar component only 00.71
  - acetalubar liner and/or femoral head only 00.73
  - ankle 81.59
  - elbow 81.97
  - femoral component only 00.72
  - femoral head only and/or acetabular liner 00.73
  - foot 81.59
  - hand 81.97
  - hip 81.53
    - acetalubar and femoral components (total) 00.70
    - acetalubar component only 00.71
    - acetalubar liner and/or femoral head only 00.73
    - femoral component only 00.72
    - femoral head only and/or acetabular liner 00.73
    - partial
      - acetalubar component only 00.71
      - acetalubar liner and/or femoral head only 00.73
      - femoral component only 00.72
      - femoral head only and/or acetabular liner 00.73
    - total (acetabular and femoral components) 00.70
- knee replacement NOS 81.55
  - femoral component 00.82
    - partial
      - femoral component 00.82
      - patellar component 00.83
      - tibial component 00.81
      - tibial insert 00.84
      - patellar component 00.83
      - tibial component 00.81
      - tibial insert 00.84
    - total (all components) 00.80
- epiretinal visual 14.83
- femoral component only 00.72
Revision -prosthesis ---Cont.
  femoral head only and/or acetabular liner 00.73
  foot 81.59
  hand 81.97
  heart valve (poppet) 35.95
  hip
    acetalabular component only 00.71
    acetalabular liner and/or femoral head only 00.73
    femoral component only 00.72
    femoral head only and/or acetabular liner 00.73
    partial
      acetalabular component only 00.71
      acetalabular liner and/or femoral head only 00.73
      femoral component only 00.72
      femoral head only and/or acetabular liner 00.73
    acetalabular and femoral components (total) 00.70
    total (acetabular and femoral components) 00.70
  knee NOS 81.55
  femoral component 00.82
    partial
      femoral component 00.82
      patellar component 00.83
      tibial component 00.81
      tibial insert 00.84
    patellar component 00.83
    tibial component 00.81
    tibial insert 00.84
    total (all components) 00.80
  lower extremity NEC 81.59
  spine
    facet replacement device(s) 84.85
    interspinous process device(s) 84.81
    pedicle-based dynamic stabilization device(s) 84.83
  shoulder 81.97
  toe 81.59
  upper extremity 81.97
  wrist 81.97
  ptosis overcorrection 08.37
  pyloroplasty 44.29
  rhinoplasty 21.84
  scar
    skin 86.84
    with excision 86.3
  scleral fistulization 12.66
  shoulder replacement (prosthesis) 81.97
  shunt
    arteriovenous (cannula) (for dialysis) 39.42
    lumbar-subarachnoid NEC 03.97
    peritoneojugular 54.99
    peritoneovascular 54.99

Revision -shunt---Cont.
  pleurotheical 03.97
  salpingotheical 03.97
  spinal (thecal) NEC 03.97
  subarachnoid-peritoneal 03.97
  subarachnoid-ureteral 03.97
  ventricular (cerebral) 02.42
  ventriculoperitoneal
    at peritoneal site 54.95
    at ventricular site 02.42
  stapedectomy NEC 19.29
    with incus replacement (homograft) (prosthesis) 19.21
  stimulator
    electrode(s)
      carotid sinus 39.84
    pulse generator
      carotid sinus 39.85
  stoma
    bile duct 51.79
    bladder (vesicostomy) 57.22
    bronchus 33.42
    common duct 51.72
    esophagus 42.89
    gallbladder 51.99
    hepatic duct 51.79
    intestine 46.40
      large 46.43
      small 46.41
    kidney 55.89
    larynx 31.63
    rectum 48.79
    stomach 44.69
      laparoscopic 44.68
    thorax 34.79
    trachea 31.74
    ureter 56.62
    urethra 58.49
  tack operation 20.79
  toe replacement (prosthesis) 81.59
  tracheostomy 31.74
  tunnel
    pulse generator lead wire 86.99
    with initial procedure--omit code
  tympanoplasty 19.6
  uretero-ileostomy, cutaneous 56.52
  ureterostomy (cutaneous) (stoma) NEC 56.62
  ileal 56.52
  urethrostomy 58.49
  urinary conduit 56.52
  vascular procedure (previous) NEC 39.49
  ventricular shunt (cerebral) 02.42
  vesicostomy stoma 57.22
  wrist replacement (prosthesis) 81.97
  Rhinectomy 21.4
  Rhinolcheiloroplasty 27.59
  clef lip 27.54
  Rhinomanometry 89.12
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<td>Rhinoplasty (external) (internal) NEC</td>
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<td>Rhytidectomy (facial)</td>
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<td>Rhytidoplasty (facial)</td>
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<td>Ripstein operation (repair of prolapsed rectum)</td>
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<td>Rodney Smith operation (radical subtotal pancreatectomy)</td>
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<td>Roentgenography --see also Radiography cardiac, negative contrast</td>
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<td>Rolling of conjunctiva</td>
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<td>Root</td>
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<td>canal (tooth) (therapy)</td>
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<td>with root canal therapy</td>
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<td>residual or retained</td>
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<td>Rotation of fetal head</td>
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<td>forceps (instrumental) (Kielland) (Scanzoni) (key-in-lock)</td>
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<td>Russe operation (bone graft of scaphoid)</td>
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        total 77.99
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<td>Scapulectomy (partial) 77.81</td>
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<td>Schanz operation (femoral osteotomy) 77.35</td>
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<td><strong>Winiwarter operation</strong> (cholecystoenterostomy) 51.32</td>
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<td><strong>West operation</strong> (dacyrocystorhinostomy) 09.81</td>
<td><strong>Wiring</strong> aneurysm 39.52</td>
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<td><strong>Wheeler operation</strong></td>
<td>dental (for immobilization) 93.55</td>
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<tr>
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<td>with fracture-reduction --see Reduction, fracture</td>
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<td>orthodontic 24.7</td>
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<td><strong>Whipple operation</strong> (radical pancreatico-duodenectomy) 52.7</td>
<td><strong>Wirsungojejunostomy</strong> 52.96</td>
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<td>Child modification (radical subtotal pancreatectomy) 52.53</td>
<td><strong>Witzel operation</strong> (temporary gastrostomy) 43.19</td>
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<td>Rodney Smith modification (radical subtotal pancreatectomy) 52.53</td>
<td><strong>Woodward operation</strong> (release of high riding scapula) 81.83</td>
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<tr>
<td><strong>White operation</strong> (lengthening of tendo calcaneus by incomplete tenotomy) 83.11</td>
<td><strong>Wrapping, aneurysm</strong> (gauze) (methyl methacrylate) (plastic) 39.52</td>
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<td><strong>Whitehead operation</strong> glossectomy, radical 25.4</td>
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### ICD-9-CM INDEX TO PROCEDURES (FY15)

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<tr>
<td>Xeromammography</td>
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<tr>
<td>Xiphoidectomy</td>
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<td><strong>X-ray</strong></td>
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<td>chest (routine)</td>
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<td>wall NEC</td>
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<td>contrast --see Radiography, contrast</td>
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<tr>
<td>injection of radio-opaque substance --see Radiography, contrast</td>
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<tr>
<td>skeletal series, whole or complete</td>
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<td>therapeutic --see Therapy, radiation</td>
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#### Y

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<tr>
<td>tendon transfer (anterior tibialis) (repair of flat foot)</td>
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<td><strong>Yount operation</strong></td>
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<td>(division of iliobial band)</td>
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#### Z

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<tr>
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<td><strong>Z-plasty</strong></td>
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<td>epicanthus</td>
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<td>eyelid --see also Reconstruction, eyelid</td>
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<tr>
<td>hypopharynx</td>
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<tr>
<td>skin (scar) (web contracture)</td>
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<tr>
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