INTERNATIONAL CLASSIFICATION OF DISEASES
9th REVISION
CLINICAL MODIFICATION
PREFACE

This sixth edition of the International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) is being published by the United States Government in recognition of its responsibility to promulgate this classification throughout the United States for morbidity coding. The International Classification of Diseases, 9th Revision, published by the World Health Organization (WHO) is the foundation of the ICD-9-CM and continues to be the classification employed in cause-of-death coding in the United States. The ICD-9-CM is completely comparable with the ICD-9. The WHO Collaborating Center for Classification of Diseases in North America serves as liaison between the international obligations for comparable classifications and the national health data needs of the United States.

The ICD-9-CM is recommended for use in all clinical settings but is required for reporting diagnoses and diseases to all U.S. Public Health Service and the Centers for Medicare & Medicaid Services (formerly the Health Care Financing Administration) programs. Guidance in the use of this classification can be found in the section "Guidance in the Use of ICD-9-CM."

ICD-9-CM extensions, interpretations, modifications, addenda, or errata other than those approved by the U.S. Public Health Service and the Centers for Medicare & Medicaid Services are not to be considered official and should not be utilized. Continuous maintenance of the ICD-9-CM is the responsibility of the Federal Government. However, because the ICD-9-CM represents the best in contemporary thinking of clinicians, nosologists, epidemiologists, and statisticians from both public and private sectors, no future modifications will be considered without extensive advice from the appropriate representatives of all major users.

All official authorized addenda through October 1, 2006, have been included in this sixth edition.
ACKNOWLEDGMENTS

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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.

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

Centers for Medicare & Medicaid Services
Division of Prospective Payment System
Office of Hospital Policy
7500 Security Blvd., C5-06-27
Baltimore, Maryland 21244-1850

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

## CLASSIFICATION OF PROCEDURES

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Code</th>
<th>Procedures and interventions, not elsewhere classified</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>00</td>
<td>Procedures and interventions, not elsewhere classified</td>
<td>11</td>
</tr>
<tr>
<td>1</td>
<td>01-05</td>
<td>Operations on the nervous system</td>
<td>21</td>
</tr>
<tr>
<td>2</td>
<td>06-07</td>
<td>Operations on the endocrine system</td>
<td>31</td>
</tr>
<tr>
<td>3</td>
<td>08-16</td>
<td>Operations on the eye</td>
<td>36</td>
</tr>
<tr>
<td>4</td>
<td>18-20</td>
<td>Operations on the ear</td>
<td>50</td>
</tr>
<tr>
<td>5</td>
<td>21-29</td>
<td>Operations on the nose, mouth, and pharynx</td>
<td>56</td>
</tr>
<tr>
<td>6</td>
<td>30-34</td>
<td>Operations on the respiratory system</td>
<td>68</td>
</tr>
<tr>
<td>7</td>
<td>35-39</td>
<td>Operations on the cardiovascular system</td>
<td>78</td>
</tr>
<tr>
<td>8</td>
<td>40-41</td>
<td>Operations on the hemic and lymphatic system</td>
<td>107</td>
</tr>
<tr>
<td>9</td>
<td>42-54</td>
<td>Operations on the digestive system</td>
<td>111</td>
</tr>
<tr>
<td>10</td>
<td>55-59</td>
<td>Operations on the urinary system</td>
<td>146</td>
</tr>
<tr>
<td>11</td>
<td>60-64</td>
<td>Operations on the male genital organs</td>
<td>160</td>
</tr>
<tr>
<td>12</td>
<td>65-71</td>
<td>Operations on the female genital organs</td>
<td>167</td>
</tr>
<tr>
<td>13</td>
<td>72-75</td>
<td>Obstetrical procedures</td>
<td>180</td>
</tr>
<tr>
<td>14</td>
<td>76-84</td>
<td>Operations on the musculoskeletal system</td>
<td>185</td>
</tr>
<tr>
<td>15</td>
<td>85-86</td>
<td>Operations on the integumentary system</td>
<td>213</td>
</tr>
<tr>
<td>16</td>
<td>87-99</td>
<td>Miscellaneous diagnostic and therapeutic procedures</td>
<td>223</td>
</tr>
</tbody>
</table>

## INDEX TO PROCEDURES

261
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 Pharmacaceuticals

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 immunosuppressive antibody therapy during  
induction phase of solid organ transplantation
  monoclonal antibody therapy  
polyclonal antibody therapy

00.2 Intravascular imaging of blood vessels  
Endovascular ultrasonography  
Intravascular ultrasound (IVUS)  
Intravascular [ultrasound] imaging of blood vessels

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)

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
   
   Code also diagnostic or therapeutic procedure
   
   Excludes: stereotactic frame application only (93.59)

00.31 Computer assisted surgery with CT/CTA

00.32 Computer assisted surgery with MR/MRA

00.33 Computer assisted surgery with fluoroscopy

00.34 Imageless computer assisted surgery

00.35 Computer assisted surgery with multiple datasets

00.39 Other computer assisted surgery
   Computer assisted surgery NOS

00.4 Adjunct Vascular System Procedures
   
   Note: These codes can apply to both coronary and peripheral vessels.
   These codes are to be used in conjunction with other therapeutic procedure codes to provide additional information on the number of vessels upon which a procedure was performed and/or the number of stents inserted. As appropriate, code both the number of vessels operated on (00.40-00.43), and the number of stents inserted (00.45-00.48).
   
   Code also any:
   angioplasty or atherectomy (00.61-00.62, 00.66, 39.50)
   endarterectomy (38.10 – 38.18)
   insertion of vascular stent(s) (00.55, 00.63-00.65, 36.06 -36.07, 39.90)
   other removal of coronary artery obstruction (36.09)
00.40 Procedure on single vessel
   Number of vessels, unspecified
   Excludes: (aorto) coronary bypass (36.10 – 36.19)
             intravascular imaging of blood vessels (00.21-00.29)

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

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

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

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

00.45 Insertion of one vascular stent
   Number of stents, unspecified

00.46 Insertion of two vascular stents

00.47 Insertion of three vascular stents

00.48 Insertion of four or more vascular stents

00.5 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 peripheral vessel stent(s) ®
Endograft(s)
Endovascular graft(s)
Stent grafts
Code also any:
angioplasty or atherectomy of other non-coronary vessels(s) (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: 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 non-drug-eluting stent(s):
coronary artery (36.06)
peripheral vessel (39.90)
that for aneurysm repair (39.71 - 39.79)

00.56 Insertion or replacement of implantable pressure sensor (lead)
for intracardiac hemodynamic monitoring
Code also any associated implantation or replacement of monitor (00.57)
Excludes: circulatory monitoring (blood gas, arterial or venous
presence, cardiac output and coronary blood flow) (89.60 - 89.69)

00.57 Implantation or replacement of subcutaneous device for
intracardiac hemodynamic monitoring
Implantation of monitoring device with formation of subcutaneous
pocket and connection to intracardiac pressure sensor (lead)
Code also any associated insertion or replacement of implanted
pressure sensor (lead) (00.56)
00.6 Procedures on blood vessels

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

Code also any:
- injection or infusion of thrombolytic agent (99.10)
- percutaneous insertion of carotid artery stent(s) (00.63)
- percutaneous insertion of other precerebral 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 or atherectomy of other non-coronary vessel(s) (39.50)
removal of cerebrovascular obstruction of vessel(s) by open approach (38.01-38.02, 38.11-38.12, 38.31-38.32, 38.41-38.42)

00.62 Percutaneous angioplasty or atherectomy of intracranial vessel(s)

Code also any:
- injection or infusion of thrombolytic agent (99.10)
- 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 or atherectomy of other non-coronary vessel(s) (39.50)
removal of cerebrovascular obstruction of vessel(s) by open approach (38.01-38.02, 38.11-38.12, 38.31-38.32, 38.41-38.42)

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 or atherectomy of precerebral vessel(s) (00.61)
- procedure on vessel bifurcation (00.44)

Excludes: angioplasty or atherectomy of other non-coronary vessel(s) (39.50)
insertion of drug-eluting peripheral vessel stent(s) (00.55)
00.64 Percutaneous insertion of other precerebral (extracranial) artery stent(s) 
Includes the use of any embolic protection device, distal protection device, filter device, or stent delivery system
- Basilar stent
- Vertebral stent

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

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

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

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

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

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

Code also any:
- injection or infusion of thrombolytic agent (99.10)
- insertion of coronary artery stent(s) (36.06- 36.07)
- intracoronary artery thrombolytic infusion (36.04)
- number of vascular stents inserted (00.45 – 00.48)
- number of vessels treated (00.40 – 00.43)
- procedure on vessel bifurcation (00.44)
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 replacement bearing surface, metal on polyethylene

00.75  Hip replacement bearing surface, metal-on-metal

00.76  Hip replacement bearing surface, ceramic-on-ceramic

00.77  Hip replacement bearing surface, ceramic-on-polyethylene

🔗 New code  🔌 Revised code  4 4th digit required
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
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

01.11 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

01.18 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)
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

01.21 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)

01.3 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
  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)

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
- Anastomosis of ventricle to:
  - cervical subarachnoid space
cisterna magna
- Insertion of Holter valve
- Ventriculocisternal intubation
02.3 Extracranial ventricular shunt
   Includes: that with insertion of valve
   02.31 Ventricular shunt to structure in head and neck
      Ventricellopharyngeal 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
      Ventriculo-ureteral shunt
   02.39 Other operations to establish drainage of ventricle
      Ventriculome trium shunt
      Ventriculo-ureteral shunt
      Ventricular shunt to extracranial site NEC

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
      Replacement of ventricular catheter
      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 neurostimulator pulse generator(86.94-86.98)
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>02.94</td>
<td>Insertion or replacement of skull tongs or halo traction device</td>
</tr>
<tr>
<td>02.95</td>
<td>Removal of skull tongs or halo traction device</td>
</tr>
<tr>
<td>02.96</td>
<td>Insertion of sphenoidal electrodes</td>
</tr>
<tr>
<td>02.99</td>
<td>Other</td>
</tr>
<tr>
<td></td>
<td><em>Excludes:</em> chemical shock therapy <em>(94.24)</em></td>
</tr>
<tr>
<td></td>
<td><em>electroshock therapy:</em></td>
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<tr>
<td></td>
<td><em>subconvulsive</em> <em>(94.26)</em></td>
</tr>
<tr>
<td></td>
<td><em>other</em> <em>(94.27)</em></td>
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</tbody>
</table>

## 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>03.01</td>
<td>Removal of foreign body from spinal canal</td>
</tr>
<tr>
<td>03.02</td>
<td>Reopening of laminectomy site</td>
</tr>
<tr>
<td>03.09</td>
<td>Other exploration and decompression of spinal canal</td>
</tr>
<tr>
<td></td>
<td>Decompression:</td>
</tr>
<tr>
<td></td>
<td>laminectomy</td>
</tr>
<tr>
<td></td>
<td>laminotomy</td>
</tr>
<tr>
<td></td>
<td>Expansile laminoplasty</td>
</tr>
<tr>
<td></td>
<td>Exploration of spinal nerve root</td>
</tr>
<tr>
<td></td>
<td>Foraminotomy</td>
</tr>
<tr>
<td></td>
<td><em>Excludes:</em> drainage of spinal fluid by anastomosis <em>(03.71-03.79)</em></td>
</tr>
<tr>
<td></td>
<td>laminectomy with excision of intervertebral disc <em>(80.51)</em></td>
</tr>
<tr>
<td></td>
<td>spinal tap <em>(03.31)</em></td>
</tr>
<tr>
<td></td>
<td>that as operative approach -- omit code</td>
</tr>
</tbody>
</table>

### 03.1 Division of intraspinal nerve root

    Rhizotomy

### 03.2 Chordotomy

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>03.21</td>
<td>Percutaneous chordotomy</td>
</tr>
<tr>
<td></td>
<td>Stereotactic chordotomy</td>
</tr>
<tr>
<td>03.29</td>
<td>Other chordotomy</td>
</tr>
<tr>
<td></td>
<td>Chordotomy NOS</td>
</tr>
<tr>
<td></td>
<td>Tractotomy (one-stage) (two-stage) of spinal cord</td>
</tr>
<tr>
<td></td>
<td>Transection of spinal cord tracts</td>
</tr>
</tbody>
</table>

### 03.3 Diagnostic procedures on spinal cord and spinal canal structures

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>03.31</td>
<td>Spinal tap</td>
</tr>
<tr>
<td></td>
<td>Lumbar puncture for removal of dye</td>
</tr>
<tr>
<td></td>
<td><em>Excludes:</em> lumbar puncture for injection of dye [myelogram] <em>(87.21)</em></td>
</tr>
<tr>
<td>03.32</td>
<td>Biopsy of spinal cord or spinal meninges</td>
</tr>
<tr>
<td>03.39</td>
<td>Other diagnostic procedures on spinal cord and spinal canal structures</td>
</tr>
<tr>
<td></td>
<td><em>Excludes:</em> microscopic examination of specimen from nervous system or of spinal fluid <em>(90.01-90.09)</em></td>
</tr>
<tr>
<td></td>
<td>x-ray of spine <em>(87.21-87.29)</em></td>
</tr>
</tbody>
</table>
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: kyphoplasty (81.66)
   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)

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
      \textit{Excludes: biopsy of thyroid (06.11-06.12)}
   06.39 Other
      Isthmectomy
      Partial thyroidectomy NOS
      \textit{Excludes: partial substernal thyroidectomy (06.51)}

06.4 Complete thyroidectomy
   \textit{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
      \textit{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 (39.8)
ovaries (65.0-65.99)
pancreas (52.01-52.99)
testes (62.0-62.99)

07.0  Exploration of adrenal field

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

07.1  Diagnostic procedures on adrenal glands, pituitary gland, pineal gland, and thymus

07.11 Closed [percutaneous] [needle] biopsy of adrenal gland
07.12 Open biopsy of adrenal gland
07.13 Biopsy of pituitary gland, transfrontal approach
07.14 Biopsy of pituitary gland, transsphenoidal approach
07.15 Biopsy of pituitary gland, unspecified approach
07.16 Biopsy of thymus
07.17 Biopsy of pineal gland
07.19 Other diagnostic procedures on adrenal glands, pituitary gland, pineal gland, and thymus

Excludes: microscopic examination of specimen from endocrine gland
(90.11-90.19)
radioisotope scan of pituitary gland (92.11)

07.2  Partial adrenalectomy

07.21 Excision of lesion of adrenal gland

Excludes: biopsy of adrenal gland (07.11-07.12)
07.22 Unilateral adrenalectomy
Adrenalectomy NOS

Excludes: excision of remaining adrenal gland (07.3)
07.29 Other partial adrenalectomy
Partial adrenalectomy NOS

07.3  Bilateral adrenalectomy

Excision of remaining adrenal gland

Excludes: bilateral partial adrenalectomy (07.29)
07.4 Other operations on adrenal glands, nerves, and vessels
   07.41 Incision of adrenal gland
      Adrenalotomy (with drainage)
   07.42 Division of nerves to adrenal glands
   07.43 Ligation of adrenal vessels
   07.44 Repair of adrenal gland
   07.45 Reimplantation of adrenal tissue
      Autotransplantation of adrenal tissue
   07.49 Other

07.5 Operations on pineal gland
   07.51 Exploration of pineal field
      Excludes: that with incision of pineal gland (07.52)
   07.52 Incision of pineal gland
   07.53 Partial excision of pineal gland
      Excludes: biopsy of pineal gland (07.17)
   07.54 Total excision of pineal gland
      Pinealectomy (complete) (total)
   07.59 Other operations on pineal gland

07.6 Hypophysectomy
   07.61 Partial excision of pituitary gland, transfrontal approach
      Cryohypophysectomy, partial transfrontal approach
      Division of hypophyseal stalk transfrontal approach
      Excision of lesion of pituitary [hypophysis] transfrontal approach
      Hypophysectomy, subtotal transfrontal approach
      Infundibulectomy, hypophyseal transfrontal approach
      Excludes: biopsy of pituitary gland, transfrontal approach (07.13)
   07.62 Partial excision of pituitary gland, transsphenoidal approach
      Excludes: biopsy of pituitary gland, transsphenoidal approach (07.14)
   07.63 Partial excision of pituitary gland, unspecified approach
      Excludes: biopsy of pituitary gland NOS (07.15)
   07.64 Total excision of pituitary gland, transfrontal approach
      Ablation of pituitary by implantation (strontium-yttrium) (Y)
      transfrontal approach
      Cryohypophysectomy, complete transfrontal approach
   07.65 Total excision of pituitary gland, transsphenoidal approach
   07.68 Total excision of pituitary gland, other specified approach
   07.69 Total excision of pituitary gland, unspecified approach
      Hypophysectomy NOS
      Pituitectomy NOS

07.7 Other operations on hypophysis
   07.71 Exploration of pituitary fossa
      Excludes: exploration with incision of pituitary gland (07.72)
07.72 Incision of pituitary gland
   Aspiration of:
   - craniobuccal pouch
   - craniopharyngioma
   - hypophysis
   - pituitary gland
   - Rathke's pouch

07.79 Other
   Insertion of pack into sella turcica

07.8 Thymectomy

07.80 Thymectomy, not otherwise specified

07.81 Partial excision of thymus
   *Excludes: biopsy of thymus (07.16)*

07.82 Total excision of thymus

07.9 Other operations on thymus

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

07.92 Incision of thymus

07.93 Repair of thymus

07.94 Transplantation of thymus

07.99 Other
   Thymopexy
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
08.4 Repair of entropion or ectropion
   08.41 Repair of entropion or ectropion by thermocauterization
   08.42 Repair of entropion or ectropion by suture technique
   08.43 Repair of entropion or ectropion with wedge resection
   08.44 Repair of entropion or ectropion with lid reconstruction
   08.49 Other repair of entropion or ectropion

08.5 Other adjustment of lid position
   08.51 Canthotomy
      Enlargement of palpebral fissure
   08.52 Blepharorrhaphy
      Canthorrhaphy
      Tarsorrhaphy
   08.59 Other
      Canthoplasty NOS
      Repair of epicanthal fold

08.6 Reconstruction of eyelid with flaps or grafts
   Excludes: that associated with repair of entropion and ectropion (08.44)
   08.61 Reconstruction of eyelid with skin flap or graft
   08.62 Reconstruction of eyelid with mucous membrane flap or graft
   08.63 Reconstruction of eyelid with hair follicle graft
   08.64 Reconstruction of eyelid with tarsoconjunctival flap
      Transfer of tarsoconjunctival flap from opposing lid
   08.69 Other reconstruction of eyelid with flaps or grafts

08.7 Other reconstruction of eyelid
   Excludes: that associated with repair of entropion and ectropion (08.44)
   08.70 Reconstruction of eyelid, not otherwise specified
   08.71 Reconstruction of eyelid involving lid margin, partial-thickness
   08.72 Other reconstruction of eyelid, partial-thickness
   08.73 Reconstruction of eyelid involving lid margin, full-thickness
   08.74 Other reconstruction of eyelid, full-thickness

08.8 Other repair of eyelid
   08.81 Linear repair of laceration of eyelid or eyebrow
   08.82 Repair of laceration involving lid margin, partial-thickness
   08.83 Other repair of laceration of eyelid, partial-thickness
   08.84 Repair of laceration involving lid margin, full-thickness
   08.85 Other repair of laceration of eyelid, full-thickness
   08.86 Lower eyelid rhytidectomy
   08.87 Upper eyelid rhytidectomy
   08.89 Other eyelid repair
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)
      thermocauterization for entropion (08.41)
   10.33 Other destructive procedures on conjunctiva
      Removal of trachoma follicles
10.4 Conjunctivoplasty
   10.41 Repair of symblepharon with free graft
   10.42 Reconstruction of conjunctival cul-de-sac with free graft
      Excludes: revision of enucleation socket with graft (16.63)
   10.43 Other reconstruction of conjunctival cul-de-sac
      Excludes: revision of enucleation socket (16.64)
   10.44 Other free graft to conjunctiva
   10.49 Other conjunctivoplasty
      Excludes: repair of cornea with conjunctival flap (11.53)

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

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

10.9 Other operations on conjunctiva
   10.91 Subconjunctival injection
   10.99 Other

11 Operations on cornea

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

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

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

11.3 Excision of pterygium
   11.31 Transposition of pterygium
   11.32 Excision of pterygium with corneal graft
   11.39 Other excision of pterygium

11.4 Excision or destruction of tissue or other lesion of cornea
   11.41 Mechanical removal of corneal epithelium
      That by chemocauterization
      Excludes: that for smear or culture (11.21)
   11.42 Thermocauterization of corneal lesion
   11.43 Cryotherapy of corneal lesion
   11.49 Other removal or destruction of corneal lesion
      Excision of cornea NOS
      Excludes: biopsy of cornea (11.22)
11.5 Repair of cornea
   11.51 Suture of corneal laceration
   11.52 Repair of postoperative wound dehiscence of cornea
   11.53 Repair of corneal laceration or wound with conjunctival flap
   11.59 Other repair of cornea

11.6 Corneal transplant
   Excludes: excision of pterygium with corneal graft (11.32)
   11.60 Corneal transplant, not otherwise specified
      Keratoplasty NOS
      Note: To report donor source - see codes 00.91-00.93
   11.61 Lamellar keratoplasty with autograft
   11.62 Other lamellar keratoplasty
   11.63 Penetrating keratoplasty with autograft
      Perforating keratoplasty with autograft
   11.64 Other penetrating keratoplasty
      Perforating keratoplasty (with homograft)
   11.69 Other corneal transplant

11.7 Other reconstructive and refractive surgery on cornea
   11.71 Keratomileusis
   11.72 Keratophakia
   11.73 Keratoprosthesis
   11.74 Thermokeratoplasty
   11.75 Radial keratotomy
   11.76 Epikeratophakia
   11.79 Other

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

12 Operations on iris, ciliary body, sclera, and anterior chamber
   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 corneovitreal 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 Thermocauterization 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)
   12.69 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 anterior segment, not elsewhere classified
       Excludes: postoperative revision of scleral fistulization procedure (12.66)
   12.84 Excision or destruction of lesion of sclera
   12.85 Repair of scleral staphyloma with graft
   12.86 Other repair of scleral staphyloma
   12.87 Scleral reinforcement with graft
   12.88 Other scleral reinforcement
12.89 Other operations on sclera
   Exploratory sclerotomy

12.9 Other operations on iris, ciliary body, and anterior chamber
   12.91 Therapeutic evacuation of anterior chamber
       Paracentesis of anterior chamber
       *Excludes: diagnostic aspiration* ([12.21])

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

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

   12.97 Other operations on iris
   12.98 Other operations on ciliary body
   12.99 Other operations on anterior chamber

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
       Erysiphake extraction of cataract
       Extraction of lens NOS

   13.2 Extracapsular extraction of lens by linear extraction technique
   13.3 Extracapsular extraction of lens by simple aspiration (and irrigation) technique
       Irrigation of traumatic cataract

   13.4 Extracapsular extraction of lens by fragmentation and aspiration technique

   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 phacofragmentation 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 Discussion 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

14.9 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
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
Transcrural 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  
- Tympanoplasty (type I)

19.5 **Other tympanoplasty**  
19.52 Type II tympanoplasty  
Closure of perforation with graft against incus or malleus  
19.53 Type III tympanoplasty  
Graft placed in contact with mobile and intact stapes  
19.54 Type IV tympanoplasty  
Mobile footplate left exposed with air pocket between round window and graft  
19.55 Type V tympanoplasty  
Fenestra in horizontal semicircular canal covered by graft

19.6 **Revision of tympanoplasty**

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

20 **Other operations on middle and inner ear**

20.0 **Myringotomy**  
20.01 Myringotomy with insertion of tube  
Myringostomy  
20.09 Other myringotomy  
Aspiration of middle ear NOS
20.1 Removal of tympanostomy tube

20.2 Incision of mastoid and middle ear
   20.21 Incision of mastoid
   20.22 Incision of petrous pyramid air cells
   20.23 Incision of middle ear
      Atticotomy
      Division of tympanum
      Lysis of adhesions of middle ear

      \textit{Excludes:} division of otosclerotic process (19.0)
      stapediolyis (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

      \textit{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)

      \textit{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

      \textit{Excludes:} that with synchronous mastoidectomy (20.41-20.49)
   20.51 Excision of lesion of middle ear

      \textit{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)
*Excludes: adjustment (external components) of cochlear prosthetic device (95.49) fitting of hearing aid (95.48)*
5. OPERATIONS ON THE NOSE, MOUTH, AND PHARYNX (21-29)

21 Operations on nose
   Includes: operations on:
           bone of nose
           skin of nose

21.0 Control of epistaxis
   21.00 Control of epistaxis, not otherwise specified
   21.01 Control of epistaxis by anterior nasal packing
   21.02 Control of epistaxis by posterior (and anterior) packing
   21.03 Control of epistaxis by cauterization (and packing)
   21.04 Control of epistaxis by ligation of ethmoidal arteries
   21.05 Control of epistaxis by (transantral) ligation of the maxillary artery
   21.06 Control of epistaxis by ligation of the external carotid artery
   21.07 Control of epistaxis by excision of nasal mucosa and skin grafting of septum and lateral nasal wall
   21.09 Control of epistaxis by other means

21.1 Incision of nose
   Chondrotomy
   Incision of skin of nose
   Nasal septotomy

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

21.3 Local excision or destruction of lesion of nose
   Excludes: biopsy of nose (21.22) nasal fistulectomy (21.82)
   21.30 Excision or destruction of lesion of nose, not otherwise specified
   21.31 Local excision or destruction of intranasal lesion
          Nasal polypectomy
   21.32 Local excision or destruction of other lesion of nose

21.4 Resection of nose
   Amputation of nose

21.5 Submucous resection of nasal septum
21.6 Turbinectomy
   21.61 Turbinectomy by diathermy or cryosurgery
   21.62 Fracture of the turbinates
   21.69 Other turbinectomy
      Excludes: turbinectomy associated with 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 septroplasty
      Crushing of nasal septum
      Repair of septal perforation
      Excludes: septroplasty 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
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 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
<table>
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<tr>
<th>Code</th>
<th>Description</th>
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</table>
| 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 |
|       | 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  
  Pharyngoesophageal fistulectomy  
  29.92 | Division of glossohypharyngeal 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
  30.01  Marsupialization of laryngeal cyst
  30.09  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
  30.21  Epiglottidectomy
  30.22  Vocal cordectomy
         Excision of vocal cords
  30.29  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

31.2  Permanent tracheostomy
  31.21  Mediastinal tracheostomy
  31.29  Other permanent tracheostomy
         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
   - Division 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

32.21 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
32.26 Other and unspecified ablation of lung lesion or tissue
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)
- wide excision of lesion of lung (32.3)

32.3  **Segmental resection of lung**

Partial lobectomy

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)*

32.5  **Complete pneumonectomy**

Excision of lung NOS
- Pneumonectomy (with mediastinal dissection)

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

33.21 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)
   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
   Excludes: endoscopic biopsy of lung (33.27)

33.27 Closed endoscopic biopsy of lung
   Fiber-optic (flexible) bronchoscopy with fluoroscopic guidance with biopsy
   Transbronchial lung biopsy
   Excludes: brush biopsy of "lung" (33.24)
   percutaneous biopsy of lung (33.26)

33.28 Open biopsy of lung

33.29 Other diagnostic procedures on lung and bronchus
   Excludes: contrast bronchogram:
   endotracheal (87.31)
   other (87.32)
   lung scan (92.15)
   magnetic resonance imaging (88.92)
   microscopic examination of specimen from bronchus or lung (90.41-90.49)
   routine chest x-ray (87.44)
   ultrasonography of lung (88.73)
   vital capacity determination (89.37)
   x-ray of bronchus or lung NOS (87.49)
33.3 Surgical collapse of lung
   33.31 Destruction of phrenic nerve for collapse of lung
   33.32 Artificial pneumothorax for collapse of lung
       Thoracotomy for collapse of lung
   33.33 Pneumoperitoneum for collapse of lung
   33.34 Thoracoplasty
   33.39 Other surgical collapse of lung
       Collapse of lung NOS

33.4 Repair and plastic operation on lung and bronchus
   33.41 Suture of laceration of bronchus
   33.42 Closure of bronchial fistula
       Closure of bronchostomy
       Fistulectomy:
           bronchocutaneous
           bronchoesophageal
           bronchovisceral

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

   33.43 Closure of laceration of lung
   33.48 Other repair and plastic operations on bronchus
   33.49 Other repair and plastic operations on lung

   Excludes: closure of pleural fistula (34.73)

33.5 Lung transplant
   Note: To report donor source - see codes 00.91-00.93

   Excludes: combined heart-lung transplantation (33.6)
   Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)

33.50 Lung transplantation, not otherwise specified
33.51 Unilateral lung transplantation
33.52 Bilateral lung transplantation
   Double-lung transplantation
   En bloc transplantation
   Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)

33.6 Combined heart-lung transplantation
   Note: To report donor source - see codes 00.91-00.93
   Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)
33.7 Endoscopic insertion, replacement and removal of therapeutic device or substances in bronchus or lung
   Biologic Lung Volume Reduction (BLVR)
   Excludes: insertion of tracheobronchial stent (96.05)

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

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)

34.05 Creation of pleuroperitoneal shunt

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)
ICD-9-CM TABULAR LIST OF PROCEDURES (FY07)

34.1 Incision of mediastinum
   *Excludes:* mediastinoscopy (34.22)
   mediastinotomy associated with pneumonectomy (32.5)

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

34.21 Transpleural thoracoscopy

34.22 Mediastinoscopy
   Code also any lymph node biopsy (40.11)

34.23 Biopsy of chest wall

34.24 Pleural biopsy

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

35.0 Closed heart valvotomy
*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

35.1 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 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)

35.20 Replacement of unspecified heart valve
Repair of unspecified heart valve with tissue graft or prosthetic
implant

35.21 Replacement of aortic valve with tissue graft
Repair of aortic valve with tissue graft (autograft) (heterograft)
(homograft)
35.22 Other replacement of aortic valve
Repair of aortic valve with replacement:
NOS
prosthetic (partial) (synthetic) (total)

35.23 Replacement of mitral valve with tissue graft
Repair of mitral valve with tissue graft (autograft) (heterograft) (homograft)

35.24 Other replacement of mitral valve
Repair of mitral valve with replacement:
NOS
prosthetic (partial) (synthetic) (total)

35.25 Replacement of pulmonary valve with tissue graft
Repair of pulmonary valve with tissue graft (autograft) (heterograft) (homograft)

35.26 Other replacement of pulmonary valve
Repair of pulmonary valve with replacement:
NOS
prosthetic (partial) (synthetic) (total)

35.27 Replacement of tricuspid valve with tissue graft
Repair of tricuspid valve with tissue graft (autograft) (heterograft) (homograft)

35.28 Other replacement of tricuspid valve
Repair of tricuspid valve with replacement:
NOS
prosthetic (partial) (synthetic) (total)

35.3 Operations on structures adjacent to heart valves
Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)

35.31 Operations on papillary muscle
Division of papillary muscle
Reattachment of papillary muscle
Repair of papillary muscle

35.32 Operations on chordae tendineae
Division of chordae tendineae
Repair of chordae tendineae

35.33 Annuloplasty
Plication of annulus

35.34 Infundibulectomy
Right ventricular infundibulectomy

35.35 Operations on trabeculae carneae cordis
Division of trabeculae carneae cordis
Excision of trabeculae carneae cordis
Excision of aortic subvalvular ring

35.39 Operations on other structures adjacent to valves of heart
Repair of sinus of Valsalva (aneurysm)
35.4  Production of septal defect in heart
   35.41  Enlargement of existing atrial septal defect
      Rashkind procedure
      Septostomy (atrial) (balloon)
   35.42  Creation of septal defect in heart
      Blalock-Hanlon operation

35.5  Repair of atrial and ventricular septa with prosthesis
   Includes: repair of septa with synthetic implant or patch
   Code also cardiopulmonary bypass [extracorporeal circulation] [heart-lung machine] (39.61)
   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:
commissurotomy of pulmonary valve
infundibulectomy
outflow tract prosthesis
patch graft of outflow tract
prosthetic tube for pulmonary artery
repair of ventricular septal defect (with prosthesis)
take-down of previous systemic-pulmonary artery anastomosis

35.82 Total repair of total anomalous pulmonary venous connection
One-stage total correction of total anomalous pulmonary venous connection with or without:
anastomosis between (horizontal) common pulmonary trunk and posterior wall of left atrium (side-to-side)
enlargement of foramen ovale
incision [excision] of common wall between posterior left atrium and coronary sinus and roofing of resultant defect with patch graft (synthetic)
ligation of venous connection (descending anomalous vein) (to left innominate vein) (to superior vena cava)
repair of atrial septal defect (with prosthesis)
35.83 **Total repair of truncus arteriosus**
One-stage total correction of truncus arteriosus with or without:
construction (with aortic homograft) (with prosthesis) of a
pulmonary artery placed from right ventricle to arteries
supplying the lung
ligation of connections between aorta and pulmonary artery
repair of ventricular septal defect (with prosthesis)

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

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

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

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

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

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

35.93 **Creation of conduit between left ventricle and aorta**
Creation of apicoaortic shunt
Shunt between apex of left ventricle and aorta

35.94 **Creation of conduit between atrium and pulmonary artery**
Fontan procedure

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

*Excludes:* complete revision -- code to specific procedure
replacement of prosthesis or graft of:
septum (35.50-35.63)
valve (35.20-35.28)
35.96  Percutaneous valvuloplasty
   Percutaneous balloon valvuloplasty
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] or
     coronary atherectomy (00.66)
   - procedure on vessel bifurcation (00.44)
   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] or coronary atherectomy (00.66)  
      procedure on vessel bifurcation (00.44)  

* 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] or coronary atherectomy (00.66)  

* Delete code 36.01, 36.02, 36.05 (replace with 00.66)  

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
   Robot-assisted transmyocardial revascularization
   Thoracoscopic transmyocardial revascularization

36.34 Percutaneous transmyocardial revascularization
   Endovascular transmyocardial revascularization

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

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

36.91 Repair of aneurysm of coronary vessel

36.99 Other operations on vessels of heart
   Exploration of coronary artery
   Incision of coronary artery
   Ligation of coronary artery
   Repair of arteriovenous fistula
### 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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>37.0</td>
<td>Pericardiocentesis</td>
</tr>
<tr>
<td>37.1</td>
<td>Cardiotomy and pericardiotomy</td>
</tr>
<tr>
<td>37.10</td>
<td>Incision of heart, not otherwise specified</td>
</tr>
<tr>
<td>37.11</td>
<td>Cardiotomy</td>
</tr>
<tr>
<td>37.12</td>
<td>Pericardiotomy</td>
</tr>
</tbody>
</table>

#### 37.10 Incision of heart, not otherwise specified

Cardiolyis 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>37.20</td>
<td>Noninvasive programmed electrical stimulation (NIPS)</td>
</tr>
<tr>
<td>37.21</td>
<td>Right heart cardiac catheterization</td>
</tr>
<tr>
<td>37.22</td>
<td>Left heart cardiac catheterization</td>
</tr>
<tr>
<td>37.23</td>
<td>Combined right and left heart cardiac catheterization</td>
</tr>
<tr>
<td>37.24</td>
<td>Biopsy of pericardium</td>
</tr>
<tr>
<td>37.25</td>
<td>Biopsy of heart</td>
</tr>
<tr>
<td>37.26</td>
<td>Catheter based invasive electrophysiologic testing</td>
</tr>
</tbody>
</table>

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)*

---

**New code** | **Revised code** | **4th digit required**
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] (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 of heart tissue (cryoablation) (electrocurrent) (laser)
(microwave) (radiofrequency) (resection), open chest approach
Cox-maze procedure
Maze procedure
Modified maze procedure, trans-thoracic approach

Excludes: ablation, excision or destruction of lesion or tissue of heart, endovascular approach (37.34)

37.34 Excision or destruction of other lesion or tissue of heart, other approach
Ablation of heart tissue (cryoablation) (electrocurrent)(laser)
(microwave) (radiofrequency) (resection), via peripherally inserted catheter
Modified maze procedure, endovascular approach
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)

37.4 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 replacement heart system
Artificial heart
Implantation of fully implantable total replacement heart system, including ventriculectomy
Excludes: implantation of heart assist system [VAD] (37.62, 37.65, 37.66)

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)
37.6 Implantation of heart and circulatory assist system

**Excludes:** implantation of prosthetic cardiac support system (37.41)

37.61 Implant of pulsation balloon

37.62 Insertion of non-implantable heart assist system
   Insertion of heart assist system, NOS
   Insertion of heart pump
   **Excludes:** implantation of total replacement heart system (37.52)
   insertion of percutaneous external heart assist device (37.68)

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
   **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)

37.65 Implant of external heart assist system
   Note: Device (outside the body but connected to heart) with external
   circulation and pump.
   Includes open chest (sternotomy) procedure for cannulae attachments
   **Excludes:** implant of pulsation balloon (37.61)
   implantation of total replacement heart system (37.52)
   insertion of percutaneous external heart assist device (37.68)

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

37.68 **Insertion of percutaneous external heart assist device**  
Includes percutaneous [femoral] insertion of cannulae attachments  
Circulatory assist device  
Extrinsic heart assist device  
PvAD  
Percutaneous heart assist device

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

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

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

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

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

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

37.75 **Revision of lead [electrode]**  
Repair of electrode [removal with re-insertion]  
Repositioning of lead(s) (AICD) (cardiac device) (CRT-D) (CRT-P) (defibrillator) (pacemaker) (pacing) (sensing) [electrode]  
Revision of lead NOS  
*Excludes:* repositioning of temporary transvenous pacemaker system  
-- omit code
37.76 Replacement of transvenous atrial and/or ventricular lead(s) [electrode]
   Removal or abandonment of existing transvenous or epicardial lead(s) with transvenous lead(s) replacement
   
   Excludes: replacement of epicardial lead [electrode] (37.74)

37.77 Removal of lead(s) [electrode] without replacement
   Removal:
   - epicardial lead (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 presssure sensor (lead) and monitor device
   Removal without replacement of cardiac resynchronization defibrillator device
   Repositioning of implantable hemodynamic pressure sensor (lead) and monitor device
   Repositioning of pulse generator
   Revision of cardioverter/defibrillator (automatic) pocket
   Revision of pocket for intracardiac hemodynamic monitoring
   Revision or relocation of CRT-D pocket
   Revision or relocation of pacemaker, defibrillator, or other implanted cardiac device pocket
   
   Excludes: removal of loop recorder (86.05)

37.8 Insertion, replacement, removal, and revision of pacemaker device
   Note: Device testing during procedure - omit code
   Code also any lead insertion, lead replacement, lead removal and/or lead revision (37.70-37.77)
   
   Excludes: implantation of cardiac resynchronization pacemaker[CRT-P](00.50)
   implantation or replacement of cardiac resynchronization pacemaker pulse generator only [CRT-P] (00.53)

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

37.81 Initial insertion of single-chamber device, not specified as rate responsive
   
   Excludes: replacement of existing pacemaker device (37.85-37.87)
37.82 Initial insertion of single-chamber device, rate responsive
   Rate responsive to physiologic stimuli other than atrial rate
   *Excludes: replacement of existing pacemaker device (37.85-37.87)*

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

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

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

37.87 Replacement of any type pacemaker device with dual-chamber device
   Atrial ventricular sequential device

37.89 Revision or removal of pacemaker device
   Removal without replacement of cardiac resynchronization pacemaker device [CRT-P]
   Repair of pacemaker device
   *Excludes: removal of temporary transvenous pacemaker system -- omit code*
   *replacement of existing pacemaker device (37.85-37.87)*
   *replacement of existing pacemaker device with CRT-P pacemaker device (00.53)*

37.9 Other operations on heart and pericardium

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

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

37.92 Injection of therapeutic substance into heart

37.93 Injection of therapeutic substance into pericardium

37.94 Implantation or replacement of automatic cardioverter/defibrillator, total system [AICD]
   Implantation of defibrillator with leads (epicardial patches), formation of pocket (abdominal fascia) (subcutaneous), any transvenous leads, intraoperative procedures for evaluation of lead signals, and obtaining defibrillator threshold measurements
   Techniques:
   lateral thoracotomy
   medial sternotomy
   subxiphoid procedure
   Note: Device testing during procedure - *omit code*
   Code also extracorporeal circulation, if performed (39.61)
   Code also any concomitant procedure [e.g., coronary bypass] (36.00-36.19)

   *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

6 abdominal arteries
   Celiac
   Gastric
   Hepatic
   Iliac
   Mesenteric
   Renal
   Splenic
   Umbilical

   Excludes: abdominal aorta (4)

7 abdominal veins
   Iliac
   Portal
   Renal
   Splenic
   Vena cava (inferior)

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

9 lower limb veins
   Femoral
   Saphenous
   Popliteal
   Tibial

38.0 Incision of vessel
   Embolectomy
   Thrombectomy

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

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

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

Excludes: adjunct vascular system procedures (00.40-00.43)

38.21 Biopsy of blood vessel

38.22 Percutaneous angioscopy

Excludes: angioscopy of eye (95.12)

38.29 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

[0-9] Angiectomy
Excision of:
aneurysm (arteriovenous) with anastomosis
blood vessel (lesion) with anastomosis

38.4 Resection of vessel with replacement

[0-9] Angiectomy
Excision of:
aneurysm (arteriovenous) or blood vessel (lesion) with replacement
Partial resection with replacement

Excludes: endovascular repair of aneurysm (39.71 - 39.79)

Requires the use of one of the following fourth-digit subclassifications to identify site:
0 unspecified site
1 intracranial vessels
   Cerebral (anterior) (middle)
   Circle of Willis
   Posterior communicating artery
2 other vessels of head and neck
   Carotid artery (common) (external) (internal)
   Jugular vein (external) (internal)
3 upper limb vessels
   Axillary
   Brachial
   Radial
   Ulnar
4 aorta, abdominal
   Code also any thoracic vessel involvement (thoracoabdominal procedure) (38.45)
5 thoracic vessels
- Aorta (thoracic)
- Innominate
- Pulmonary (artery) (vein)
- Subclavian
- Vena cava, superior

Code also any abdominal aorta involvement (thoracoabdominal procedure) (38.44)

6 abdominal arteries
- Celiac
- Mesenteric
- Gastric
- Renal
- Hepatic
- Splenic
- Iliac
- Umbilical

*Excludes: abdominal aorta (4)*

7 abdominal veins
- Iliac
- Portal
- Renal
- Splenic
- Vena cava (inferior)

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

9 lower limb veins
- Femoral
- Popliteal
- Saphenous
- Tibial

### 38.5 Ligation and stripping of varicose veins

*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

Clamping of blood vessel
Division of blood vessel
Ligation of blood vessel
Occlusion of blood vessel

Excludes: adrenal vessels (07.43)
esophageal varices (42.91)
 gastric or duodenal vessel for ulcer (44.40-44.49)
 gastric varices (44.91)
 meningeal vessel (02.13)
 percutaneous transcatheater 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)
transcatheater (infusion) (99.29)

38.9 Puncture of vessel

Excludes: that for circulatory monitoring (89.60-89.69)

38.91 Arterial catheterization

38.92 Umbilical vein catheterization

38.93 Venous catheterization, not elsewhere classified

Excludes: that for cardiac catheterization (37.21-37.23)
   that for renal dialysis (38.95)

38.94 Venous cutdown

38.95 Venous catheterization for renal dialysis

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

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 (88.60-88.69)
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 (88.60-88.69)
transfusion (99.01-99.09)

39 Other operations on vessels

*Excludes: those on coronary vessels (36.00-36.99)*

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 or atherectomy 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:
- injection or infusion of thrombolytic agent (99.10)
- Insertion of non-coronary 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)

Excludes: percutaneous angioplasty or atherectomy of precerebral or cerebral vessel(s) (00.61-00.62)

39.51 Clipping of aneurysm

Excludes: clipping of arteriovenous fistula (39.53)
39.52 Other repair of aneurysm
Repair of aneurysm by:
  - coagulation
  - electrocoagulation
  - filipuncture
  - methyl methacrylate
  - suture
  - wiring
  - wrapping

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

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

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

39.54 Re-entry operation (aorta)
Fenestration of dissecting aneurysm of thoracic aorta
Code also cardiopulmonary bypass [extracorporeal circulation]
[heart-lung machine] (39.61)

39.55 Reimplantation of aberrant renal vessel

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

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

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

39.59 Other repair of vessel
Aorticopulmonary window operation
Arterioplasty NOS
Construction of venous valves (peripheral)
Plication of vein (peripheral)
Reimplantation of artery
Code also cardiopulmonary bypass [extracorporeal circulation]
[heart-lung machine] (39.61)
Excludes: interruption of the vena cava (38.7)
reimplantation of renal artery (39.55)
that with:
  graft (39.56-39.58)
  resection (38.30-38.49, 38.60-38.69)

39.6 Extracorporeal circulation and procedures auxiliary to heart surgery

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

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

39.62 Hypothermia (systemic) incidental to open heart surgery

39.63 Cardioplegia
  Arrest:
  anoxic
circulatory

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

39.65 Extracorporeal membrane oxygenation [ECMO]

Excludes: extracorporeal circulation auxiliary to open heart surgery
  (39.61)
  percutaneous cardiopulmonary bypass (39.66)

39.66 Percutaneous cardiopulmonary bypass
  Closed chest

Excludes: extracorporeal circulation auxiliary to open heart surgery
  (39.61)
  extracorporeal hepatic assistance (50.92)
  extracorporeal membrane oxygenation [ECMO] (39.65)
  hemodialysis (39.95)

39.7 Endovascular repair of vessel
  Endoluminal repair

Excludes: angioplasty or atherectomy of other non-coronary vessel(s) (39.50)
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)
39.71 **Endovascular implantation of graft in abdominal aorta**
Endovascular repair of abdominal aortic aneurysm with graft
Stent graft(s)

39.72 **Endovascular repair or occlusion of head and neck vessels**
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
That for repair of aneurysm, arteriovenous malformation[AVM] or fistula

*Excludes:* mechanical thrombectomy of pre-cerebral and cerebral vessels (39.74)

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

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

39.74 **Endovascular removal of obstruction from head and neck vessel(s)**
Endovascular embolectomy
Endovascular thrombectomy of pre-cerebral and cerebral vessels
Mechanical embolectomy or thrombectomy
Code also: any injection or infusion of thrombolytic agent (99.10)
number of vessels treated (00.40-00.43)
procedure on vessel bifurcation (00.44)

*Excludes:* endarterectomy of intracranial vessels and other vessels of head and neck (38.11 - 38.12)
occlusive endovascular repair of head or neck vessels (39.72)
open embolectomy or thrombectomy (38.01-38.02)

39.79 **Other endovascular repair (of aneurysm) of other vessels**
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

*Excludes:* endovascular repair or occlusion of head and neck vessels (39.72)
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)
transcatheter embolization for gastric or duodenal bleeding (44.44)
39.8 Operations on carotid body and other vascular bodies
   Chemodectomy
   Denervation of:
      aortic body
      carotid body
   Glomectomy, carotid
   Implantation into carotid body:
      electronic stimulator
      pacemaker

   Excludes: excision of glomus jugulare (20.51)

39.9 Other operations on vessels

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

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

   Excludes: insertion of drug-eluting peripheral vessel stent(s) (00.55)
      percutaneous insertion of carotid artery stent(s) (00.63)
      percutaneous insertion of intracranial stent(s) (00.65)
      percutaneous insertion of other precerebral artery stent(s) (00.64)

      that for aneurysm repair (39.71 - 39.79)

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

39.92 Injection of sclerosing agent into vein
   Excludes: injection:
      esophageal varices (42.33)
      hemorrhoids (49.42)

39.93 Insertion of vessel-to-vessel cannula
   Formation of:
      arteriovenous:
      fistula by external cannula
      shunt by external cannula
   Code also any renal dialysis (39.95)

39.94 Replacement of vessel-to-vessel cannula
   Revision of vessel-to-vessel cannula
39.95 **Hemodialysis**
Artificial kidney
Hemodiafiltration
Hemofiltration
Renal dialysis

*Excludes:* peritoneal dialysis (54.98)

39.96 **Total body perfusion**
Code also substance perfused (99.21-99.29)

39.97 **Other perfusion**
Perfusion NOS
Perfusion, local [regional] of:
carotid artery
coronary artery
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)

39.98 **Control of hemorrhage, not otherwise specified**
Angiotripsy
Control of postoperative hemorrhage NOS
Venotripsy

*Excludes:* control of hemorrhage (postoperative):
anus (49.95)
bladder (57.93)
following vascular procedure (39.41)
nose (21.00-21.09)
prostate (60.94)
tonsil (28.7)
that by:
- ligation (38.80-38.89)
suture (39.30-39.32)

39.99 **Other operations on vessels**

*Excludes:* injection or infusion of therapeutic or prophylactic substance (99.11-99.29)
transfusion of blood and blood components (99.01-99.09)
8. OPERATIONS ON THE HEMIC AND LYMPHATIC SYSTEM (40-41)

40 Operations on lymphatic system

40.0 Incision of lymphatic structures

40.1 Diagnostic procedures on lymphatic structures

40.11 Biopsy of lymphatic structure

40.19 Other diagnostic procedures on lymphatic structures

*Excludes:* Lymphangiogram:
- Abdominal (88.04)
- Cervical (87.08)
- Intrathoracic (87.34)
- Lower limb (88.36)
- Upper limb (88.34)
- Microscopic examination of specimen (90.71-90.79)
- Radioisotope scan (92.16)
- Thermography (88.89)

40.2 Simple excision of lymphatic structure

*Excludes:* Biopsy of lymphatic structure (40.11)

40.21 Excision of deep cervical lymph node

40.22 Excision of internal mammary lymph node

40.23 Excision of axillary lymph node

40.24 Excision of inguinal lymph node

40.29 Simple excision of other lymphatic structure

Excision of:
- Cystic hygroma
- Lymphangioma
- Simple lymphadenectomy

40.3 Regional lymph node excision

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

40.4 Radical excision of cervical lymph nodes

Resection of cervical lymph nodes down to muscle and deep fascia

*Excludes:* That associated with radical laryngectomy (30.4)

40.40 Radical neck dissection, not otherwise specified

40.41 Radical neck dissection, unilateral

40.42 Radical neck dissection, bilateral

40.5 Radical excision of other lymph nodes

*Excludes:* That associated with radical mastectomy (85.45-85.48)

40.50 Radical excision of lymph nodes, not otherwise specified

Radical (lymph) node dissection NOS
40.51 Radical excision of axillary lymph nodes
40.52 Radical excision of periaortic lymph nodes
40.53 Radical excision of iliac lymph nodes
40.54 Radical groin dissection
40.59 Radical excision of other lymph nodes

Excludes: radical neck dissection (40.40-40.42)

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

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

Excludes: reduction of elephantiasis of scrotum (61.3)

41 Operations on bone marrow and spleen
41.0 Bone marrow or hematopoietic stem cell transplant
   Note: To report donor source - see codes 00.91-00.93
   Excludes: aspiration of bone marrow from donor (41.91)
41.00 Bone marrow transplant, not otherwise specified
41.01 Autologous bone marrow transplant without purging
   Excludes: that with purging (41.09)
41.02 Allogeneic bone marrow transplant with purging
   Allograft of bone marrow with in vitro removal (purging) of T-cells
41.03 Allogeneic bone marrow transplant without purging
   Allograft of bone marrow NOS
41.04 Autologous hematopoietic stem cell transplant without purging
   Excludes: that with purging (41.07)
41.05 Allogeneic hematopoietic stem cell transplant without purging
   Excludes: that with purging (41.08)
41.06 Cord blood stem cell transplant
41.07 Autologous hematopoietic stem cell transplant with purging
   Cell depletion
41.08 Allogeneic hematopoietic stem cell transplant
   Cell depletion

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

41.1 Puncture of spleen
   Excludes: aspiration biopsy of spleen (41.32)

41.2 Splenotomy

41.3 Diagnostic procedures on bone marrow and spleen
   41.31 Biopsy of bone marrow
   41.32 Closed [aspiration] [percutaneous] biopsy of spleen
   41.33 Open biopsy of spleen
   41.38 Other diagnostic procedures on bone marrow
      Excludes: microscopic examination of specimen from bone marrow
      (90.61-90.69)
      radioisotope scan (92.05)
   41.39 Other diagnostic procedures on spleen
      Excludes: microscopic examination of specimen from spleen
      (90.61-90.69)
      radioisotope scan (92.05)

41.4 Excision or destruction of lesion or tissue of spleen
   Code also any application or administration of an adhesion barrier
   substance (99.77)
   Excludes: excision of accessory spleen (41.93)

41.41 Marsupialization of splenic cyst

41.42 Excision of lesion or tissue of spleen
   Excludes: biopsy of spleen (41.32-41.33)

41.43 Partial splenectomy

41.5 Total splenectomy
   Splenectomy NOS
   Code also any application or administration of an adhesion barrier
   substance (99.77)
41.9 Other operations on spleen and bone marrow
   Code also any application or administration of an adhesion barrier substance (99.77)
   41.91 Aspiration of bone marrow from donor for transplant
      Excludes: biopsy of bone marrow (41.31)
   41.92 Injection into bone marrow
      Excludes: bone marrow transplant (41.00-41.03)
   41.93 Excision of accessory spleen
   41.94 Transplantation of spleen
   41.95 Repair and plastic operations on spleen
   41.98 Other operations on bone marrow
   41.99 Other operations on spleen
9. OPERATIONS ON THE DIGESTIVE SYSTEM (42-54)

42 Operations on esophagus

42.0 Esophagotomy

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

42.1 Esophagostomy

42.10 Esophagostomy, not otherwise specified
42.11 Cervical esophagostomy
42.12 Exteriorization of esophageal pouch
42.19 Other external fistulization of esophagus
   Thoracic esophagostomy
   Code also any resection (42.40-42.42)

42.2 Diagnostic procedures on esophagus

42.21 Operative esophagoscopy by incision
42.22 Esophagoscopy through artificial stoma
   *Excludes: that with biopsy (42.24)*
42.23 Other esophagoscopy
   *Excludes: that with biopsy (42.24)*
42.24 Closed [endoscopic] biopsy of esophagus
   Brushing or washing for specimen collection
   Esophagostomy with biopsy
   Suction biopsy of the esophagus
   *Excludes: esophagogastroduodenoscopy [EGD] with closed biopsy (45.16)*

42.25 Open biopsy of esophagus

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

42.3 Local excision or destruction of lesion or tissue of esophagus

42.31 Local excision of esophageal diverticulum
42.32 Local excision of other lesion or tissue of esophagus
   *Excludes: biopsy of esophagus (42.24-42.25) esophageal fistulectomy (42.84)*
### 42.33 Endoscopic excision or destruction of lesion or tissue of esophagus

- Ablation of esophageal neoplasm by endoscopic approach
- Control of esophageal bleeding by endoscopic approach
- Esophageal polypectomy by endoscopic approach
- Esophageal varices by endoscopic approach
- Injection of esophageal varices by endoscopic approach

*Excludes: biopsy of esophagus (42.24-42.25)*
- Fistulectomy (42.84)
- Open ligation of esophageal varices (42.91)

### 42.39 Other destruction of lesion or tissue of esophagus

*Excludes: that by endoscopic approach (42.33)*

### 42.4 Excision of esophagus

*Excludes: esophagogastrectomy NOS (43.99)*

#### 42.40 Esophagectomy, not otherwise specified

#### 42.41 Partial esophagectomy

Code also any synchronous:
- Anastomosis other than end-to-end (42.51-42.69)
- Esophagostomy (42.10-42.19)
- Gastrostomy (43.11-43.19)

#### 42.42 Total esophagectomy

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

*Excludes: esophagogastrectomy (43.99)*

### 42.5 Intrathoracic anastomosis of esophagus

Code also any synchronous:
- Esophagectomy (42.40-42.42)
- Gastrostomy (43.1)

#### 42.51 Intrathoracic esophagoesophagostomy

#### 42.52 Intrathoracic esophagogastrostomy

#### 42.53 Intrathoracic esophageal anastomosis with interposition of small bowel

#### 42.54 Other intrathoracic esophagoenterostomy

Anastomosis of esophagus to intestinal segment NOS

#### 42.55 Intrathoracic esophageal anastomosis with interposition of colon

#### 42.56 Other intrathoracic esophagocolostomy

Esophagocolostomy NOS

#### 42.58 Intrathoracic esophageal anastomosis with other interposition

Construction of artificial esophagus
- Retrosternal formation of reversed gastric tube

#### 42.59 Other intrathoracic anastomosis of esophagus
42.6 Antesternal anastomosis of esophagus
Code also any synchronous:
esophagectomy (42.40-42.42)
gastrostomy (43.1)

42.61 Antesternal esophagoesophageostomy

42.62 Antesternal esophagogastrostomy

42.63 Antesternal esophageal anastomosis with interposition of small bowel

42.64 Other antesternal esophagoenterostomy
Antethoracic:
esophagoenterostomy
esophagoileostomy
esophagojejunostomy

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 Dilatation 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
   Gastropylorectomy

43.7 Partial gastrectomy with anastomosis to jejunum
   Billroth II operation

43.8 Other partial gastrectomy
   43.81 Partial gastrectomy with jejunal transposition
      Henley jejunal transposition operation
      Code also any synchronous intestinal resection (45.51)
   43.89 Other
      Partial gastrectomy with bypass gastrogastrostomy
      Sleeve resection of stomach

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: esophagastroduodenoscopy [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
Endoscopic conversion of gastrostomy to jejunostomy
PEG

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
    - gastrojejunoocolic fistula

44.64 Gastropexy

44.65 Esophagogastroplasty
  - Belsey operation
  - Esophagus and stomach cardioplasty

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

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

44.68 Laparoscopic gastroplasty
  - Banding
  - Silastic vertical banding
  - Vertical banded gastroplasty (VBG)
    Code also any synchronous laparoscopic gastroenterostomy (44.38)
    *Excludes: insertion, laparoscopic adjustable gastric band
      (restrictive procedure) (44.95)*
      other repair of stomach, open approach (44.61-44.65, 44.69)

44.69 Other
  - Inversion of gastric diverticulum
  - Repair of stomach NOS
44.9 Other operations on stomach

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

44.92 Intraoperative manipulation of stomach
   Reduction of gastric volvulus

44.93 Insertion of gastric bubble (balloon)

44.94 Removal of gastric bubble (balloon)

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

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

44.97 Laparoscopic removal of gastric restrictive device(s)
   Removal of either or both:
   adjustable gastric band
   subcutaneous port device
   *Excludes: nonoperative removal of gastric restrictive device(s) (97.86)
open removal of gastric restrictive device(s) (44.99)*

44.98 (Laparoscopic) adjustment of size of adjustable gastric restrictive device
   Infusion of saline for device tightening
   Withdrawal of saline for device loosening
   Code also any:
   abdominal ultrasound (88.76)
   abdominal wall fluoroscopy (88.09)
   barium swallow (87.61)

44.99 Other
   *Excludes: change of gastrostomy tube (97.02)
dilation of cardiac sphincter (42.92)
   gastric:
   cooling (96.31)
   freezing (96.32)
   gavage (96.35)
   hypothermia (96.31)
lavage (96.33)
   insertion of nasogastric tube (96.07)
   irrigation of gastrostomy (96.36)
   irrigation of nasogastric tube (96.34)
   removal of:
   gastrostomy tube (97.51)
   intraluminal foreign body from stomach without incision (98.03)
   replacement of:
   gastrostomy tube (97.02)
   (naso-)gastric tube (97.01)
45 Incision, excision, and anastomosis of intestine
   Code also any application or administration of an adhesion barrier substance (99.77)

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

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

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

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

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

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

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

45.15 Open biopsy of small intestine

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

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

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

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

45.22 Endoscopy of large intestine through artificial stoma
   Excludes: that with biopsy (45.25)
45.23 Colonoscopy
   Flexible fiberoptic colonoscopy
   \textbf{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
   \textbf{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
   \textbf{Excludes:} proctosigmoidoscopy with biopsy (48.24)

45.26 Open biopsy of large intestine

45.27 Intestinal biopsy, site unspecified

45.28 Other diagnostic procedures on large intestine

45.29 Other diagnostic procedures on intestine, site unspecified
   \textbf{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
   \textbf{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
   \textbf{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
   \textbf{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
   \textbf{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 (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, 45.95)
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 (45.72)
enterocolectomy (45.79)
gastroduodenectomy (43.6-43.99)
iloectomy (45.73)
pancreatoduodenectomy (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 (45.72)*

45.63 Total removal of small intestine

45.7 Partial excision of large intestine  
Code also any synchronous:
- Anastomosis other than end-to-end (45.92-45.94)
- Enterostomy (46.10-46.39)

45.71 Multiple segmental resection of large intestine  
Segmental resection for multiple traumatic lesions of large intestine

45.72 Cecectomy  
Resection of cecum and terminal ileum

45.73 Right hemicolecotomy  
- Ileocolectomy
- Right radical colectomy

45.74 Resection of transverse colon

45.75 Left hemicolecotomy

*Excludes: proctosigmoidectomy (48.41-48.69) second stage Mikulicz operation (46.04)*

45.76 Sigmoidectomy

45.79 Other partial excision of large intestine  
Enterocolectomy NEC

45.8 Total intra-abdominal colectomy  
Excision of cecum, colon, and sigmoid

*Excludes: coloproctectomy (48.41-48.69)*

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
### 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>46.01</td>
<td>Exteriorization of small intestine</td>
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<td>46.02</td>
<td>Resection of exteriorized segment of small intestine</td>
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<td>46.03</td>
<td>Exteriorization of large intestine</td>
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<td>Exteriorization of intestine NOS</td>
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<td></td>
<td>First stage Mikulicz exteriorization of intestine</td>
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<td>Loop colostomy</td>
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<td>46.04</td>
<td>Resection of exteriorized segment of large intestine</td>
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<td>Resection of exteriorized segment of intestine NOS</td>
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<td>Second stage Mikulicz operation</td>
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</tbody>
</table>

#### 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)

<table>
<thead>
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<td>46.10</td>
<td>Colostomy, not otherwise specified</td>
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<td>46.11</td>
<td>Temporary colostomy</td>
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<tr>
<td>46.13</td>
<td>Permanent colostomy</td>
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<td>46.14</td>
<td>Delayed opening of colostomy</td>
</tr>
</tbody>
</table>

#### 46.2 Ileostomy

Code also any synchronous resection (45.34, 45.61-45.63)

*Excludes:* loop ileostomy (46.01)

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<td>46.20</td>
<td>Ileostomy, not otherwise specified</td>
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<tr>
<td>46.21</td>
<td>Temporary ileostomy</td>
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<tr>
<td>46.22</td>
<td>Continent ileostomy</td>
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<tr>
<td>46.23</td>
<td>Other permanent ileostomy</td>
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<td>46.24</td>
<td>Delayed opening of ileostomy</td>
</tr>
</tbody>
</table>

#### 46.3 Other enterostomy

Code also any synchronous resection (45.61-45.8)

<table>
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<th>Code</th>
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<td>46.31</td>
<td>Delayed opening of other enterostomy</td>
</tr>
<tr>
<td>46.32</td>
<td>Percutaneous (endoscopic) jejunostomy [PEJ]</td>
</tr>
<tr>
<td>46.39</td>
<td>Other</td>
</tr>
</tbody>
</table>

- Duodenostomy
- Feeding enterostomy
46.4 Revision of intestinal stoma

46.40 Revision of intestinal stoma, not otherwise specified
   Plastic enlargement of intestinal stoma
   Reconstruction of stoma of intestine
   Release of scar tissue of intestinal stoma
   Excludes: excision of redundant mucosa (45.41)

46.41 Revision of stoma of small intestine
   Excludes: excision of redundant mucosa (45.33)

46.42 Repair of pericolostomy hernia

46.43 Other revision of stoma of large intestine
   Excludes: excision of redundant mucosa (45.41)

46.5 Closure of intestinal stoma
   Code also any synchronous resection (45.34, 45.49, 45.61-45.8)

46.50 Closure of intestinal stoma, not otherwise specified

46.51 Closure of stoma of small intestine

46.52 Closure of stoma of large intestine
   Closure or take-down of:
   cecostomy
   colostomy
   sigmoidostomy

46.6 Fixation of intestine

46.60 Fixation of intestine, not otherwise specified
   Fixation of intestine to abdominal wall

46.61 Fixation of small intestine to abdominal wall
   Ileopexy

46.62 Other fixation of small intestine
   Noble plication of small intestine
   Plication of jejunum

46.63 Fixation of large intestine to abdominal wall
   Cecocoloplicopexy
   Sigmoidopexy (Moschowitz)

46.64 Other fixation of large intestine
   Cecofixation
   Colofixation

46.7 Other repair of intestine
   Excludes: closure of:
   ulcer of duodenum (44.42)
   vesicoenteric fistula (57.83)

46.71 Suture of laceration of duodenum

46.72 Closure of fistula of duodenum

46.73 Suture of laceration of small intestine, except duodenum
46.74 Closure of fistula of small intestine, except duodenum

*Excludes:* closure of:
- artificial stoma (46.51)
- vaginal fistula (70.74)
- repair of gastrojejunal fistula (44.63)

46.75 Suture of laceration of large intestine

46.76 Closure of fistula of large intestine

*Excludes:* closure of:
- gastrocolic fistula (44.63)
- rectal fistula (48.73)
- sigmoidovesical fistula (57.83)
- stoma (46.52)
- vaginal fistula (70.72-70.73)
- vesicocolic fistula (57.83)
- vesicosigmoidovaginal fistula (57.83)

46.79 Other repair of intestine

Duodenoplasty

46.8 Dilation and manipulation of intestine

46.80 Intra-abdominal manipulation of intestine, not otherwise specified

Correction of intestinal malrotation

Reduction of:
- intestinal torsion
- intestinal volvulus
- intussusception

*Excludes:* reduction of intussusception with:
- fluoroscopy (96.29)
- ionizing radiation enema (96.29)
- ultrasonography guidance (96.29)

46.81 Intra-abdominal manipulation of small intestine

46.82 Intra-abdominal manipulation of large intestine

46.85 Dilation of intestine

Dilation (balloon) of duodenum
Dilation (balloon) of jejunum
Endoscopic dilation (balloon) of large intestine
That through rectum or colostomy

46.9 Other operations on intestines

46.91 Myotomy of sigmoid colon

46.92 Myotomy of other parts of colon

46.93 Revision of anastomosis of small intestine

46.94 Revision of anastomosis of large intestine

46.95 Local perfusion of small intestine

Code also substance perfused (99.21-99.29)

46.96 Local perfusion of large intestine

Code also substance perfused (99.21-99.29)
46.97 Transplant of intestine
Note: To report donor source - see codes 00.91-00.93

46.99 Other
Ileoentectropy

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

47 Operations on appendix
Includes: appendiceal stump
Code also any application or administration of an adhesion barrier substance (99.77)

47.0 Appendectomy

*Excludes:* incidental appendectomy, so described
laparoscopic (47.11)
other (47.19)

47.01 Laparoscopic appendectomy
47.09 Other appendectomy

47.1 Incidental appendectomy

47.11 Laparoscopic incidental appendectomy
47.19 Other incidental appendectomy

47.2 Drainage of appendiceal abscess

*Excludes:* that with appendectomy (47.0)

47.9 Other operations on appendix

47.91 Appendicostomy
47.92 Closure of appendiceal fistula
47.99 Other

Anastomosis of appendix

*Excludes:* diagnostic procedures on appendix (45.21-45.29)
48 Operations on rectum, rectosigmoid and perirectal tissue
   Code also any application or administration of an adhesion barrier substance (99.77)

48.0 Proctotomy
   Decompression of imperforate anus
   Panas' operation [linear proctotomy]
   Excludes: incision of perirectal tissue (48.81)

48.1 Proctostomy

48.2 Diagnostic procedures on rectum, rectosigmoid and perirectal tissue

48.21 Transabdominal proctosigmoidoscopy
   Intraoperative proctosigmoidoscopy
   Excludes: that with biopsy (48.24)

48.22 Proctosigmoidoscopy through artificial stoma
   Excludes: that with biopsy (48.24)

48.23 Rigid proctosigmoidoscopy
   Excludes: flexible sigmoidoscopy (45.24)

48.24 Closed [endoscopic] biopsy of rectum
   Brushing or washing for specimen collection
   Proctosigmoidoscopy with biopsy

48.25 Open biopsy of rectum

48.26 Biopsy of perirectal tissue

48.29 Other diagnostic procedures on rectum, rectosigmoid and perirectal tissue
   Excludes: digital examination of rectum (89.34)
   lower GI series (87.64)
   microscopic examination of specimen from rectum (90.91-90.99)

48.3 Local excision or destruction of lesion or tissue of rectum

48.31 Radical electrocoagulation of rectal lesion or tissue

48.32 Other electrocoagulation of rectal lesion or tissue

48.33 Destruction of rectal lesion or tissue by laser

48.34 Destruction of rectal lesion or tissue by cryosurgery

48.35 Local excision of rectal lesion or tissue
   Excludes: biopsy of rectum (48.24-48.25)
   excision of perirectal tissue (48.82)
   hemorrhoidectomy (49.46)
   [endoscopic] polypectomy of rectum (48.36)
   rectal fistulectomy (48.73)

48.36 [Endoscopic] polypectomy of rectum
48.4 Pull-through resection of rectum
   Code also any synchronous anastomosis other than end-to-end
   \((45.90, 45.92-45.95)\)

48.41 Soave submucosal resection of rectum
   Endorectal pull-through operation

48.49 Other pull-through resection of rectum
   Abdominoperineal pull-through
   Altemeier operation
   Swenson proctectomy
   \(Excludes: Duhamel abdominoperineal pull through (48.65)\)

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
   \((45.90, 45.92-45.95)\)
   \(Excludes: Duhamel abdominoperineal pull-through (48.65)\)
   \(that as part of pelvic exenteration (68.8)\)

48.6 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
   \(Excludes: repair of:\n   current obstetric laceration (75.62)\n   vaginal rectocele (70.50, 70.52)\)

48.71 Suture of laceration of rectum

48.72 Closure of proctostomy

48.73 Closure of other rectal fistula
   \(Excludes: fistulectomy:\n   perirectal (48.93)\n   rectourethral (58.43)\n   rectovaginal (70.73)\n   rectovesical (57.83)\n   rectovesicovaginal (57.83)\)
ICD-9-CM TABULAR LIST OF PROCEDURES (FY07)

48.74 Rectorectostomy
   Rectal anastomosis NOS

48.75 Abdominal proctopexy
   Frickman procedure
   Ripstein repair of rectal prolapse

48.76 Other proctopexy
   Delorme repair of prolapsed rectum
   Proctosigmoidopexy
   Puborectalis sling operation
   
   Excludes: manual reduction of rectal prolapse (96.26)

48.79 Other repair of rectum
   Repair of old obstetric laceration of rectum
   
   Excludes: anastomosis to:
   large intestine (45.94)
   small intestine (45.92-45.93)
   repair of:
   current obstetric laceration (75.62)
   vaginal rectocele (70.50, 70.52)

48.8 Incision or excision of perirectal tissue or lesion
   Includes: pelvirectal tissue
   rectovaginal septum

48.81 Incision of perirectal tissue
   Incision of rectovaginal septum

48.82 Excision of perirectal tissue
   
   Excludes: perirectal biopsy (48.26)
   perirectofistulectomy (48.93)
   rectal fistulectomy (48.73)

48.9 Other operations on rectum and perirectal tissue

48.91 Incision of rectal stricture

48.92 Anorectal myectomy

48.93 Repair of perirectal fistula
   
   Excludes: that opening into rectum (48.73)

48.99 Other
   
   Excludes: digital examination of rectum (89.34)
   dilation of rectum (96.22)
   insertion of rectal tube (96.09)
   irrigation of rectum (96.38-96.39)
   manual reduction of rectal prolapse (96.26)
   proctoclysis (96.37)
   rectal massage (99.93)
   rectal packing (96.19)
   removal of:
   impacted feces (96.38)
   intraluminal foreign body from rectum without incision
   (98.05)
   rectal packing (97.59)
   transanal enema (96.39)
49 Operations on anus
Code also any application or administration of an adhesion barrier substance (99.77)

49.0 Incision or excision of perianal tissue
   49.01 Incision of perianal abscess
   49.02 Other incision of perianal tissue
       Undercutting of perianal tissue
       Excludes: anal fistulotomy (49.11)
   49.03 Excision of perianal skin tags
   49.04 Other excision of perianal tissue
       Excludes: anal fistulectomy (49.12)
       biopsy of perianal tissue (49.22)

49.1 Incision or excision of anal fistula
   Excludes: closure of anal fistula (49.73)
   49.11 Anal fistulotomy
   49.12 Anal fistulectomy

49.2 Diagnostic procedures on anus and perianal tissue
   49.21 Anoscopy
   49.22 Biopsy of perianal tissue
   49.23 Biopsy of anus
   49.29 Other diagnostic procedures on anus and perianal tissue
       Excludes: microscopic examination of specimen from anus (90.91-90.99)

49.3 Local excision or destruction of other lesion or tissue of anus
   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
50.19 Other diagnostic procedures on liver
Laparoscopic liver biopsy
Excludes: liver scan and radioisotope function study (92.02)
microscopic examination of specimen from liver (91.01-91.09)

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)

50.3 Lobectomy of liver
Total hepatic lobectomy with partial excision of other lobe

50.4 Total hepatectomy

50.5 Liver transplant
Note: To report donor source - see codes 00.91-00.93
50.51 Auxiliary liver transplant
Auxiliary hepatic transplantation leaving patient’s own liver in situ
50.59 Other transplant of liver
50.6 Repair of liver
   50.61 Closure of laceration of liver
   50.69 Other repair of liver

   Hepatopexy

50.9 Other operations on liver

   Excludes: lysis of adhesions (54.5)
   50.91 Percutaneous aspiration of liver
   Excludes: percutaneous biopsy (50.11)
   50.92 Extracorporeal hepatic assistance
       Liver dialysis
   50.93 Localized perfusion of liver
   50.94 Other injection of therapeutic substance into liver
   50.99 Other

51 Operations on gallbladder and biliary tract

   Includes: operations on:
       ampulla of Vater
       common bile duct
       cystic duct
       hepatic duct
       intrahepatic bile duct
       sphincter of Oddi

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

51.0 Cholecystotomy and cholecystostomy

   51.01 Percutaneous aspiration of gallbladder
       Percutaneous cholecystotomy for drainage
       That by: needle or catheter
       Excludes: needle biopsy (51.12)
   51.02 Trocar cholecystostomy
   51.03 Other cholecystostomy
   51.04 Other cholecystotomy

51.1 Diagnostic procedures on biliary tract

   Excludes: that for endoscopic procedures classifiable to 51.64, 51.84-51.88,
       52.14, 52.21, 52.93-52.94, 52.97-52.98

   51.10 Endoscopic retrograde cholangiopancreatography [ERCP]

   Excludes: endoscopic retrograde:
       cholangiography [ERC] (51.11)
       pancreatography [ERP] (52.13)

   51.11 Endoscopic retrograde cholangiography [ERC]
       Laparoscopic exploration of common bile duct

   Excludes: endoscopic retrograde:
       cholangiopancreatography [ERCP] (51.10)
       pancreatography [ERP] (52.13)
51.12 Percutaneous biopsy of gallbladder or bile ducts
   Needle biopsy of gallbladder

51.13 Open biopsy of gallbladder or bile ducts

51.14 Other closed [endoscopic] biopsy of biliary duct or sphincter of Oddi
   - Brushing or washing for specimen collection
   - Closed biopsy of biliary duct or sphincter of Oddi by procedures classifiable to 51.10-51.11, 52.13

51.15 Pressure measurement of sphincter of Oddi
   Pressure measurement of sphincter by procedures classifiable to 51.10-51.11, 52.13

51.19 Other diagnostic procedures on biliary tract
   *Excludes:* biliary tract x-ray (87.51-87.59)
   microscopic examination of specimen from biliary tract (91.01-91.09)

51.2 Cholecystectomy

51.21 Other partial cholecystectomy
   - Revision of prior cholecystectomy
   *Excludes:* that by laparoscope (51.24)

51.22 Cholecystectomy
   *Excludes:* laparoscopic cholecystectomy (51.23)

51.23 Laparoscopic cholecystectomy
   That by laser

51.24 Laparoscopic partial cholecystectomy

51.3 Anastomosis of gallbladder or bile duct
   *Excludes:* resection with end-to-end anastomosis (51.61-51.69)

51.31 Anastomosis of gallbladder to hepatic ducts

51.32 Anastomosis of gallbladder to intestine

51.33 Anastomosis of gallbladder to pancreas

51.34 Anastomosis of gallbladder to stomach

51.35 Other gallbladder anastomosis
   - Gallbladder anastomosis NOS

51.36 Choledochoenterostomy

51.37 Anastomosis of hepatic duct to gastrointestinal tract
   - Kasai portoenterostomy

51.39 Other bile duct anastomosis
   - Anastomosis of bile duct NOS
   - Anastomosis of unspecified bile duct to:
     - intestine
     - liver
     - pancreas
     - stomach
51.4 Incision of bile duct for relief of obstruction
51.41 Common duct exploration for removal of calculus
   Excludes: percutaneous extraction (51.96)
51.42 Common duct exploration for relief of other obstruction
51.43 Insertion of choledochohepatic tube for decompression
   Hepatocholedochostomy
51.49 Incision of other bile ducts for relief of obstruction

51.5 Other incision of bile duct
   Excludes: that for relief of obstruction (51.41-51.49)
51.51 Exploration of common duct
   Incision of common bile duct
51.59 Incision of other bile duct

51.6 Local excision or destruction of lesion or tissue of biliary ducts and
sphincter of Oddi
   Code also anastomosis other than end-to-end (51.31,51.36-51.39)
   Excludes: biopsy of bile duct (51.12-51.13)
51.61 Excision of cystic duct remnant
51.62 Excision of ampulla of Vater (with reimplantation of common duct)
51.63 Other excision of common duct
   Choledochectomy
   Excludes: fistulectomy (51.72)
51.64 Endoscopic excision or destruction of lesion of biliary ducts or
sphincter of Oddi
   Excision or destruction of lesion of biliary duct by procedures
classifiable to 51.10-51.11, 52.13
51.69 Excision of other bile duct
   Excision of lesion of bile duct NOS
   Excludes: fistulectomy (51.79)

51.7 Repair of bile ducts
51.71 Simple suture of common bile duct
51.72 Choledochoplasty
   Repair of fistula of common bile duct
51.79 Repair of other bile ducts
   Closure of artificial opening of bile duct NOS
   Suture of bile duct NOS
   Excludes: operative removal of prosthetic device (51.95)

51.8 Other operations on biliary ducts and sphincter of Oddi
51.81 Dilation of sphincter of Oddi
   Dilation of ampulla of Vater
   Excludes: that by endoscopic approach (51.84)
51.82 Pancreatic sphincterotomy
   Incision of pancreatic sphincter
   Transduodenal ampullary sphincterotomy
   \textit{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
   \textit{Excludes: nasobiliary drainage tub (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
   \textit{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
   \textit{Excludes: nonoperative removal (97.55)}

51.96 Percutaneous extraction of common duct stones

51.98 Other percutaneous procedures on biliary tract
   Percutaneous biliary endoscopy via existing T-tube or other tract for:
   dilation of biliary duct stricture
   removal of stone(s) except common duct stone
   exploration (postoperative)
   Percutaneous transhepatic biliary drainage
   \textit{Excludes: percutaneous aspiration of gallbladder (51.01)
   percutaneous biopsy and/or collection of specimen by brushing or washing (51.12)
   percutaneous removal of common duct stone(s) (51.96)}
51.99 Other
Insertion or replacement of biliary tract prosthesis

Excludes: biopsy of gallbladder (51.12-51.13)
irrigation of cholecystostomy and other biliary tube (96.41)
lysis of peritoneal adhesions (54.5)
nonoperative removal of:
cholecystostomy tube (97.54)
tube from biliary tract or liver (97.55)

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
Pancrato/lithotomotomy

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 pancreatography [ERP]

Excludes: endoscopic retrograde:
cholangiography [ERC] (51.11)
cholangiopancreatography [ERCP] (51.10)
that for procedures classifiable to 51.14-51.15, 51.64, 51.84-51.88, 52.14, 52.21, 52.92-52.94, 52.97-52.98

52.14 Closed [endoscopic] biopsy of pancreatic duct
Closed biopsy of pancreatic duct by procedures classifiable to 51.10-51.11, 52.13

52.19 Other diagnostic procedures on pancreas

Excludes: contrast pancreatogram (87.66)
endoscopic retrograde pancreatography [ERP] (52.13)
microscopic examination of specimen from pancreas (91.01-91.09)

52.2 Local excision or destruction of pancreas and pancreatic duct

Excludes: biopsy of pancreas (52.11-52.12, 52.14)
pancreatic fistulectomy (52.95)

52.21 Endoscopic excision or destruction of lesion or tissue of pancreatic duct
Excision or destruction of lesion or tissue of pancreatic duct by procedures classifiable to 51.10-51.11, 52.13

52.22 Other excision or destruction of lesion or tissue of pancreas or pancreatic duct
52.3 Marsupialization of pancreatic cyst
   Excludes: drainage of cyst by catheter (52.01)

52.4 Internal drainage of pancreatic cyst
   Pancreatocystoduodenostomy
   Pancreatocystogastrostomy
   Pancreatocystojejunostomy

52.5 Partial pancreatectomy
   Excludes: pancreatic fistulectomy (52.95)

52.51 Proximal pancreatectomy
   Excision of head of pancreas (with part of body)
   Proximal pancreatectomy with synchronous duodenectomy

52.52 Distal pancreatectomy
   Excision of tail of pancreas (with part of body)

52.53 Radical subtotal pancreatectomy

52.59 Other partial pancreatectomy

52.6 Total pancreatectomy
   Pancreatectomy with synchronous duodenectomy

52.7 Radical pancreaticoduodenectomy
   One-stage pancreaticoduodenal resection with choledochojejunal
   anastomosis, pancreaticojejunal anastomosis, and gastrojejunostomy
   Two-stage pancreaticoduodenal resection (first stage) (second stage)
   Radical resection of the pancreas
   Whipple procedure
   Excludes: radical subtotal pancreatectomy (52.53)

52.8 Transplant of pancreas
   Note: To report donor source - see codes 00.91-00.93

52.80 Pancreatic transplant, not otherwise specified

52.81 Reimplantation of pancreatic tissue

52.82 Homotransplant of pancreas

52.83 Heterotransplant of pancreas

52.84 Autotransplantation of cells of Islets of Langerhans
   Homotransplantation of islet cells of pancreas

52.85 Allotransplantation of cells of Islets of Langerhans
   Heterotransplantation of islet cells of pancreas

52.86 Transplantation of cells of Islets of Langerhans, not otherwise
   specified

52.9 Other operations on pancreas

52.92 Cannulation of pancreatic duct
   Excludes: that by endoscopic approach (52.93)

52.93 Endoscopic insertion of stent (tube) into pancreatic duct
   Insertion of cannula or stent into pancreatic duct by procedures
   classifiable to 51.10-51.11, 52.13
   Excludes: endoscopic insertion of nasopancreatic drainage tube (52.97)
   replacement of stent (tube) (97.05)
### 52.94 Endoscopic removal of stone(s) from pancreatic duct
Removal of stone(s) from pancreatic duct by procedures classifiable to 51.10-51.11, 52.13

### 52.95 Other repair of pancreas
- Fistulectomy of pancreas
- Simple suture of pancreas

### 52.96 Anastomosis of pancreas
- Anastomosis of pancreas (duct) to:
  - intestine
  - jejunum
  - stomach

**Excludes:** anastomosis to:
- bile duct (51.39)
- gallbladder (51.33)

### 52.97 Endoscopic insertion of nasopancreatic drainage tube
Insertion of nasopancreatic drainage tube by procedures classifiable to 51.10-51.11, 52.13

**Excludes:** drainage of pancreatic cyst by catheter (52.01) replacement of stent (tube) (97.05)

### 52.98 Endoscopic dilation of pancreatic duct
Dilation of Wirsung's duct by procedures classifiable to 51.10-51.11, 52.13

### 52.99 Other
- Dilation of pancreatic [Wirsung's] duct by open approach
- Repair of pancreatic [Wirsung's] duct by open approach

**Excludes:** irrigation of pancreatic tube (96.42) removal of pancreatic tub (97.56)

### 53 Repair of hernia
Includes: hernioplasty
- herniorrhaphy

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

**Excludes:** manual reduction of hernia (96.27)

#### 53.0 Unilateral repair of inguinal hernia

##### 53.00 Unilateral repair of inguinal hernia, not otherwise specified
- Inguinal herniorrhaphy NOS

##### 53.01 Repair of direct inguinal hernia

##### 53.02 Repair of indirect inguinal hernia

##### 53.03 Repair of direct inguinal hernia with graft or prosthesis

##### 53.04 Repair of indirect inguinal hernia with graft or prosthesis

##### 53.05 Repair of inguinal hernia with graft or prosthesis, not otherwise specified
53.1 Bilateral repair of inguinal hernia
   53.10 Bilateral repair of inguinal hernia, not otherwise specified
   53.11 Bilateral repair of direct inguinal hernia
   53.12 Bilateral repair of indirect inguinal hernia
   53.13 Bilateral repair of inguinal hernia, one direct and one indirect
   53.14 Bilateral repair of direct inguinal hernia with graft or prosthesis
   53.15 Bilateral repair of indirect inguinal hernia with graft or prosthesis
   53.16 Bilateral repair of inguinal hernia, one direct and one indirect, with graft or prosthesis
   53.17 Bilateral inguinal hernia repair with graft or prosthesis, not otherwise specified

53.2 Unilateral repair of femoral hernia
   53.21 Unilateral repair of femoral hernia with graft or prosthesis
   53.29 Other unilateral femoral herniorrhaphy

53.3 Bilateral repair of femoral hernia
   53.31 Bilateral repair of femoral hernia with graft or prosthesis
   53.39 Other bilateral femoral herniorrhaphy

53.4 Repair of umbilical hernia
   Excludes: repair of gastroschisis (54.71)
   53.41 Repair of umbilical hernia with prosthesis
   53.49 Other umbilical herniorrhaphy

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

53.6 Repair of other hernia of anterior abdominal wall with graft or prosthesis
   53.61 Incisional hernia repair with prosthesis
   53.69 Repair of other hernia of anterior abdominal wall with prosthesis

53.7 Repair of diaphragmatic hernia, abdominal approach

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
53.9 Other hernia repair
Repair of hernia:
ischiatic
ischiorectal
lumbar
obturator
omentum
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
male pelvic cavity
mesentery
omentum
peritoneum
retroperitoneal tissue space

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

Excludes: female pelvic cavity (69.01-70.92)
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)
extoration 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)
ovo (65.11)
uterine ligaments (68.15)
uteru (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)
angiocardiography of venae cava (88.51)
C.A.T. scan of abdomen (88.01)
contrast x-ray of abdominal cavity (88.11-88.15)
intra-abdominal arteriography NEC (88.47)
microscopic examination of peritoneal and retroperitoneal specimen (91.11-91.19)
phlebography of:
  - intra-abdominal vessels NEC (88.65)
  - portal venous system (88.64)
sinogram of abdominal wall (88.03)
soft tissue x-ray of abdominal wall NEC (88.09)
tomography of abdomen NE (88.02)
ultrasonography of abdomen and retroperitoneum (88.76)

54.3 Excision or destruction of lesion or tissue of abdominal wall or umbilicus

  Debridement of abdominal wall
  Omphalectomy

*Excludes:* biopsy of abdominal wall or umbilicus (54.22)
  size reduction operation (86.83)
  that of skin of abdominal wall (86.22, 86.26, 86.3)

54.4 Excision or destruction of peritoneal tissue

  Excision of:
  - appendices epiploicae
  - falciform ligament
  - gastrocolic ligament

  lesion of:
  - mesentery
  - omentum
  - peritoneum
  - presacral lesion NOS
  - retroperitoneal lesion NOS

*Excludes:* biopsy of peritoneum (54.23)
  endometrectomy of cul-de-sac (70.32)
54.5 **Lysis of peritoneal adhesions**
   Freeing of adhesions of:
   - biliary tract
   - intestines
   - liver
   - pelvic peritoneum
   - peritoneum
   - spleen
   - uterus

   *Excludes: lysis of adhesions of:*
   - bladder (59.11)
   - fallopian tube and ovary
     - laparoscopic (65.81)
   - other (65.89)
   - kidney (59.02)
   - ureter (59.02)

54.51 Laparoscopic lysis of peritoneal adhesions

54.59 Other lysis of peritoneal adhesions

54.6 **Suture of abdominal wall and peritoneum**

54.61 Reclosure of postoperative disruption of abdominal wall

54.62 Delayed closure of granulating abdominal wound
   - Tertiary subcutaneous wound closure

54.63 **Other suture of abdominal wall**
   Suture of laceration of abdominal wall

   *Excludes: closure of operative wound -- omit code*

54.64 **Suture of peritoneum**
   Secondary suture of peritoneum

   *Excludes: closure of operative wound -- omit code*

54.7 **Other repair of abdominal wall and peritoneum**

54.71 Repair of 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 peritoneovascular shunt
  Peritoneovenous shunt

- **54.95** Incision of peritoneum
  Exploration of ventriculoperitoneal shunt at peritoneal site
  Ladd operation
  Revision of distal catheter of ventricular shunt
  Revision of ventriculoperitoneal shunt at peritoneal site
  
  *Excludes: that incidental to laparotomy (54.11-54.19)*

- **54.96** Injection of air into peritoneal cavity
  Pneumoperitoneum
  
  *Excludes: that for:
  collapse of lung (33.33)
  radiography (88.12-88.13, 88.15)*

- **54.97** Injection of locally-acting therapeutic substance into peritoneal cavity
  
  *Excludes: peritoneal dialysis (54.98)*

- **54.98** Peritoneal dialysis
  
  *Excludes: peritoneal lavage (diagnostic) (54.25)*

- **54.99** Other
  
  *Excludes: removal of:
  abdominal wall suture (97.83)
  peritoneal drainage device (97.82)
  retroperitoneal drainage device (97.81)*
10. OPERATIONS ON THE URINARY SYSTEM (55-59)

55 Operations on kidney

Includes: operations on renal pelvis
Code also any application or administration of an adhesion barrier substance (99.77)

Excludes: perirenal tissue (59.00-59.09, 59.21-59.29, 59.91-59.92)

55.0 Nephrotomy and nephrostomy

Excludes: drainage by:
- anastomosis (55.86)
- aspiration (55.92)
- incision of kidney pelvis (55.11-55.12)

55.01 Nephrotomy
- Evacuation of renal cyst
- Exploration of kidney
- Nephrolithotomy

55.02 Nephrostomy

55.03 Percutaneous nephrostomy without fragmentation
- Percutaneous nephrostomy, 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 Pyelotomy and pyelostomy

Excludes: drainage by anastomosis (55.86)
- percutaneous pyelolithotomy (55.03)
- removal of calculus without incision (56.0)

55.11 Pyelotomy
- Exploration of renal pelvis
- Pyelolithotomy

55.12 Pyelostomy
- Insertion of drainage tube into renal pelvis
55.2 Diagnostic procedures on kidney

55.21 Nephroscopy

55.22 Pyeloscopy

55.23 Closed [percutaneous] [needle] biopsy of kidney
Endoscopic biopsy via existing nephrostomy, nephrotomy, pyelostomy, or pyelotomy

55.24 Open biopsy of kidney

55.29 Other diagnostic procedures on kidney

Excludes: microscopic examination of specimen from kidney (91.21-91.29)

   pyelogram:
      intravenouso (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 NO (56.73)*

55.87 Correction of ureteropelvic junction

55.89 Other

55.9 Other operations on kidney
*Excludes: lysis of perirenal adhesions (59.02)*

55.91 Decapsulation of kidney
- Capsulectomy of kidney
- Decortication of kidney
55.92 Percutaneous aspiration of kidney (pelvis)
Aspiration of renal cyst
Renipuncture

Excludes: percutaneous biopsy of kidney (55.23)

55.93 Replacement of nephrostomy tube

55.94 Replacement of pyelostomy tube

55.95 Local perfusion of kidney

55.96 Other injection of therapeutic substance into kidney
   Injection into renal cyst

55.97 Implantation or replacement of mechanical kidney

55.98 Removal of mechanical kidney

55.99 Other

   Excludes: removal of pyelostomy or nephrostomy tube (97.61)

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

56.0 Transurethral removal of obstruction from ureter and renal pelvis
   Removal of:
   blood clot from ureter or renal pelvis without incision
   calculus from ureter or renal pelvis without incision
   foreign body from ureter or renal pelvis without incision

Excludes: manipulation without removal of obstruction (59.8)
   that by incision (55.11, 56.2)
   transurethral insertion of ureteral stent for passage of calculus (59.8)

56.1 Ureteral meatotomy

56.2 Ureterotomy
   Incision of ureter for:
   drainage
   exploration
   removal of calculus

Excludes: cutting of ureterovesical orifice (56.1)
   removal of calculus without incision (56.0)
   transurethral insertion of ureteral stent for passage of calculus (59.8)
   urinary diversion (56.51-56.79)

56.3 Diagnostic procedures on ureter

56.31 Ureteroscopy

56.32 Closed percutaneous biopsy of ureter

   Excludes: endoscopic biopsy of ureter (56.33)
56.33 Closed endoscopic biopsy of ureter
   Cystourethroscopy with ureteral biopsy
   Transurethral biopsy of ureter
   Ureteral endoscopy with biopsy through ureterotomy
   Ureteroscopy with biopsy
   *Excludes: percutaneous biopsy of ureter (56.32)*

56.34 Open biopsy of ureter

56.35 Endoscopy (cystoscopy) (looposcopy) of ileal conduit

56.39 Other diagnostic procedures on ureter
   *Excludes: microscopic examination of specimen from ureter (91.21-91.29)*

56.4 Ureterectomy
   Code also anastomosis other than end-to-end (56.51-56.79)
   *Excludes: fistulectomy (56.84)
     nephroureterectomy (55.51-55.54)*

56.40 Ureterectomy, not otherwise specified

56.41 Partial ureterectomy
   Excision of lesion of ureter
   Shortening of ureter with reimplantation
   *Excludes: biopsy of ureter (56.32-56.34)*

56.42 Total ureterectomy

56.5 Cutaneous uretero-ileostomy

56.51 Formation of cutaneous uretero-ileostomy
   Construction of ileal conduit
   External ureteral ileostomy
   Formation of open ileal bladder
   Ileal loop operation
   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 Nephroureteranastomosis, not otherwise specified

56.74 Urteroneocystostomy

- 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 (59.01-59.02)
- Ureterolysis (59.01-59.02)

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 tub (97.63)
              replacement of cystostomy tube (59.94)

57.19 Other cystotomy
  Cystolithotomy

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

57.2 Vescicostomy
Excludes: percutaneous cystostomy (57.17)
              suprapubic cystostomy (57.18)

57.21 Vescicostomy
  Creation of permanent opening from bladder to skin using a bladder flap

57.22 Revision or closure of vescicostomy
Excludes: closure of cystostomy (57.82)

57.3 Diagnostic procedures on bladder

57.31 Cystoscopy through artificial stoma
### ICD-9-CM Tabular List of Procedures (FY07)

#### 57.32 Other cystoscopy
- Transurethral cystoscopy
  - *Excludes:* cystourethroscopy with ureteral biopsy (56.33)
  - retrograde pyelogram (87.74)
  - that for control of hemorrhage (postoperative):
    - bladder (57.93)
    - prostate (60.94)

#### 57.33 Closed [transurethral] biopsy of bladder

#### 57.34 Open biopsy of bladder

#### 57.39 Other diagnostic procedures on bladder
- *Excludes:* cystogram NEC (87.77)
  - microscopic examination of specimen from bladder (91.31-91.39)
  - retrograde cystourethrogram (87.76)
  - therapeutic distention of bladder (96.25)

#### 57.4 Transurethral excision or destruction of bladder tissue

##### 57.41 Transurethral lysis of intraluminal adhesions

##### 57.49 Other transurethral excision or destruction of lesion or tissue of bladder
- Endoscopic resection of bladder lesion
  - *Excludes:* transurethral biopsy of bladder (57.33)
  - transurethral fistulectomy (57.83-57.84)

#### 57.5 Other excision or destruction of bladder tissue
- *Excludes:* that with transurethral approach (57.41-57.49)

##### 57.51 Excision of urachus
- Excision of urachal sinus of bladder
  - *Excludes:* excision of urachal cyst of abdominal wall (54.3)

##### 57.59 Open excision or destruction of other lesion or tissue of bladder
- Endometrectomy of bladder
- Suprapubic excision of bladder lesion
  - *Excludes:* biopsy of bladder (57.33-57.34)
  - fistulectomy of bladder (57.83-57.84)

#### 57.6 Partial cystectomy
- Excision of bladder dome
- Trigonectomy
- Wedge resection of bladder

#### 57.7 Total cystectomy
- Includes: total cystectomy with urethrectomy

##### 57.71 Radical cystectomy
- Pelvic exenteration in male
- Removal of bladder, prostate, seminal vesicles, and fat
- Removal of bladder, urethra, and fat in a female
- Code also any:
  - lymph node dissection (40.3, 40.5)
  - urinary diversion (56.51-56.79)
- *Excludes:* that as part of pelvic exenteration in female (68.8)
57.79 Other total cystectomy

57.8 Other repair of urinary bladder

Exclude: 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
- Urethrorineovesical fistulectomy
- Uterovesical fistulectomy
- Vaginovesical fistulectomy

Exclude: vesicoureterovaginal fistulectomy (56.84)

57.85 Cystourethroplasty and plastic repair of bladder neck
- Plication of sphincter of urinary bladder
- V-Y plasty of bladder neck

57.86 Repair of bladder extrophy

57.87 Reconstruction of urinary bladder
- Anastomosis of bladder with isolated segment of ileum
- Augmentation of bladder
- Replacement of bladder with ileum or sigmoid [closed ileal bladder]
- Code also resection of intestine (45.50-45.52)

57.88 Other anastomosis of bladder
- Anastomosis of bladder to intestine NOS
- Cystocolic anastomosis

Exclude: formation of closed ilea bladder (57.87)

57.89 Other repair of bladder
- Bladder suspension, not elsewhere classified
- Cystopexy NOS
- Repair of old obstetric laceration of bladder

Exclude: 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
   \textit{Excludes:} that with synchronou replacement (57.97)

57.99 Other
   \textit{Excludes:} irrigation of:
   \begin{itemize}
   \item cystostomy (96.47)
   \item other indwelling urinary catheter (96.48)
   \item lysis of external adhesions (59.11)
   \item removal of:
   \begin{itemize}
   \item cystostomy tube (97.63)
   \item other urinary drainage devic (97.64)
   \item therapeutic distention of bladder (96.25)
   \end{itemize}
\end{itemize}

58 Operations on urethra
   Includes: operations on:
   \begin{itemize}
   \item bulbourethral gland [Cowper's gland]
   \item periurethral tissue
   \end{itemize}
   Code also any application or administration of an adhesion barrier substance (99.77)

58.0 Urethrotomy
   \begin{itemize}
   \item Excision of urethral septum
   \item Formation of urethrovaginal fistula
   \item Perineal urethrostomy
   \item Removal of calculus from urethra by incision
   \end{itemize}
   \textit{Excludes:} drainage of bulbourethral gland or periurethral tissue (58.91)
   \textit{internal urethral meatotomy (58.5)}
   \textit{removal of urethral calculus without incision (58.6)}

58.1 Urethral meatotomy
   \textit{Excludes:} internal urethral meatotomy (58.5)

58.2 Diagnostic procedures on urethra
   \begin{itemize}
   \item 58.21 Perineal urethroscopy
   \item 58.22 Other urethroscopy
   \item 58.23 Biopsy of urethra
   \item 58.24 Biopsy of periurethral tissue
   \item 58.29 Other diagnostic procedures on urethra and periurethral tissue
   \end{itemize}
   \textit{Excludes:} microscopic examination of specimen from urethra (91.31-91.39)
   \textit{retrograde cystourethrogram (87.76)}
   \textit{urethral pressure profil (89.25)}
   \textit{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)
uurethrectomy as part of:
complete cystectomy (57.79)
 pelvic evisceration (68.8)
radical cystectomy (57.71)

58.31 Endoscopic excision or destruction of lesion or tissue of urethra
Fulguration of urethral lesion

58.39 Other local excision or destruction of lesion or tissue of urethra

Excision of:
congenital valve of urethra
lesion of urethra
stricture of urethra
Urethrectomy

Excludes: that by endoscopic approach (58.31)

58.4 Repair of urethra

Excludes: repair of current obstetric laceration (75.61)

58.41 Suture of laceration of urethra
58.42 Closure of urethrostomy
58.43 Closure of other fistula of urethra

Excludes: repair of urethroperineovesical fistula (57.84)

58.44 Reanastomosis of urethra
Anastomosis of urethra

58.45 Repair of hypospadias or epispadias
58.46 Other reconstruction of urethra
Urethral construction

58.47 Urethral meatoplasty

58.49 Other repair of urethra
Benenenti rotation of bulbous urethra
Repair of old obstetric laceration of urethra
Urethral plication

Excludes: repair of:
current obstetric laceration (75.61)
urethrocele (70.50-70.51)

58.5 Release of urethral stricture
Cutting of urethral sphincter
Internal urethral meatotomy
Urethrolysis

58.6 Dilation of urethra
Dilation of urethrovvesical 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
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>59.2</td>
<td>Diagnostic procedures on perirenal and perivesical tissue</td>
</tr>
<tr>
<td>59.21</td>
<td>Biopsy of perirenal or perivesical tissue</td>
</tr>
<tr>
<td>59.29</td>
<td>Other diagnostic procedures on perirenal tissue, perivesical tissue, and retroperitoneum</td>
</tr>
</tbody>
</table>

*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*

<table>
<thead>
<tr>
<th>59.3</th>
<th>Plication of urethrovesical junction</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Kelly-Kennedy operation on urethra</td>
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<td></td>
<td>Kelly-Stoeckel urethral plication</td>
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</tbody>
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<th>59.4</th>
<th>Suprapubic sling operation</th>
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<tr>
<td></td>
<td>Goebel-Frangenheim-Stoeckel urethrovesical suspension</td>
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<td></td>
<td>Millin-Read urethrovesical suspension</td>
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<td>Oxford operation for urinary incontinence</td>
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<td>Urethrocystopexy by suprapubic suspension</td>
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<th>59.5</th>
<th>Retropubic urethral suspension</th>
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<tr>
<td></td>
<td>Burch procedure</td>
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<td></td>
<td>Marshall-Marchetti-Krantz operation</td>
</tr>
<tr>
<td></td>
<td>Suture of periurethral tissue to symphysis pubis</td>
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<td>Urethral suspension NOS</td>
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<tr>
<th>59.6</th>
<th>Paraurethral suspension</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Pereyra paraurethral suspension</td>
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<tr>
<td></td>
<td>Periurethral suspension</td>
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<thead>
<tr>
<th>59.7</th>
<th>Other repair of urinary stress incontinence</th>
</tr>
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<tbody>
<tr>
<td>59.71</td>
<td>Levator muscle operation for urethrovesical suspension</td>
</tr>
<tr>
<td></td>
<td>Cystourethropexy with levator muscle sling</td>
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<td></td>
<td>Gracilis muscle transplant for urethrovesical suspension</td>
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<td>Puboccocygeal sling</td>
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<tr>
<th>59.72</th>
<th>Injection of implant into urethra and/or bladder neck</th>
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<tr>
<td></td>
<td>Collagen implant</td>
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<td>Endoscopic injection of implant</td>
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<td>Fat implant</td>
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<td>Polytetf implant</td>
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<th>59.79</th>
<th>Other</th>
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<tbody>
<tr>
<td></td>
<td>Anterior urethropexy</td>
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<tr>
<td></td>
<td>Repair of stress incontinence NOS</td>
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<tr>
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<td>Tudor &quot;rabbit ear&quot; urethropexy</td>
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</tbody>
</table>
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 disintegratio (98.51)

59.99 Other

   Excludes: instillation of medication into urinary tract (96.49)
   irrigation of urinary tract (96.45-96.48)
11. OPERATIONS ON THE MALE GENITAL ORGANS (60-64)

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
      Excision of prostatic lesion by any approach
      Excludes: biopsy of prostate (60.11-60.12)
   60.62 Perineal prostatectomy
      Cryoablation of prostate
      Cryoprostatectomy
      Cryosurgery of prostate
      Radical cryosurgical ablation of prostate (RCSA)
      Excludes: local excision of lesion of prostate (60.61)
   60.69 Other

60.7 Operations on seminal vesicles
   60.71 Percutaneous aspiration of seminal vesicle
      Excludes: needle biopsy of seminal vesicle (60.13)
   60.72 Incision of seminal vesicle
   60.73 Excision of seminal vesicle
      Excision of Müllerian duct cyst
      Spermatocystectomy
      Excludes: biopsy of seminal vesicle (60.13-60.14)
      prostatovesiculectomy (60.5)
   60.79 Other operations on seminal vesicles

60.8 Incision or excision of periprostatic tissue
   60.81 Incision of periprostatic tissue
      Drainage of periprostatic abscess
   60.82 Excision of periprostatic tissue
      Excision of lesion of periprostatic tissue
      Excludes: biopsy of periprostatic tissue (60.15)

60.9 Other operations on prostate
   60.91 Percutaneous aspiration of prostate
      Excludes: needle biopsy of prostate (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)
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
<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure</th>
</tr>
</thead>
</table>
| 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 prosthesis* (64.95)
       *plastic repair, penis* (64.43-64.49)
   64.98 Other operations on penis
       *Corpora cavernosa-corpus spongiosum shunt*
       *Corpora-saphenous shunt*
       *Irrigation of corpus cavernosum*
       *Excludes: removal of foreign body:*
       *intraluminal* (98.19)
       *without incision* (98.24)
       *stretching of foreskin* (99.95)
   64.99 Other
       *Excludes: collection of sperm for artificial insemination* (99.96)
### 65 Operations on ovary

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

#### 65.0 Oophorotomy

Salpingo-oophorotomy

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.01</td>
<td>Laparoscopic oophorotomy</td>
</tr>
<tr>
<td>65.09</td>
<td>Other oophorotomy</td>
</tr>
</tbody>
</table>

#### 65.1 Diagnostic procedures on ovaries

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.11</td>
<td>Aspiration biopsy of ovary</td>
</tr>
<tr>
<td>65.12</td>
<td>Other biopsy of ovary</td>
</tr>
<tr>
<td>65.13</td>
<td>Laparoscopic biopsy of ovary</td>
</tr>
<tr>
<td>65.14</td>
<td>Other laparoscopic diagnostic procedures on ovaries</td>
</tr>
<tr>
<td>65.19</td>
<td>Other diagnostic procedures on ovaries</td>
</tr>
</tbody>
</table>

*Excludes: microscopic examination of specimen from ovary (91.41-91.49)*

#### 65.2 Local excision or destruction of ovarian lesion or tissue

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.21</td>
<td>Marsupialization of ovarian cyst</td>
</tr>
</tbody>
</table>

*Excludes: that by laparoscope (65.23)*

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.22</td>
<td>Wedge resection of ovary</td>
</tr>
</tbody>
</table>

*Excludes: that by laparoscope (65.24)*

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.23</td>
<td>Laparoscopic marsupialization of ovarian cyst</td>
</tr>
<tr>
<td>65.24</td>
<td>Laparoscopic wedge resection of ovary</td>
</tr>
<tr>
<td>65.25</td>
<td>Other laparoscopic local excision or destruction of ovary</td>
</tr>
<tr>
<td>65.29</td>
<td>Other local excision or destruction of ovary</td>
</tr>
</tbody>
</table>

*Excludes: biopsy of ovary (65.11-65.13) that by laparoscope (65.25)*

#### 65.3 Unilateral oophorectomy

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.31</td>
<td>Laparoscopic unilateral oophorectomy</td>
</tr>
<tr>
<td>65.39</td>
<td>Other unilateral oophorectomy</td>
</tr>
</tbody>
</table>

*Excludes: that by laparoscope (65.31)*

#### 65.4 Unilateral salpingo-oophorectomy

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>65.41</td>
<td>Laparoscopic unilateral salpingo-oophorectomy</td>
</tr>
<tr>
<td>65.49</td>
<td>Other unilateral salpingo-oophorectomy</td>
</tr>
</tbody>
</table>
65.5 Bilateral oophorectomy
   65.51 Other removal of both ovaries at same operative episode
       Female castration
       \textit{Excludes: that by laparoscope (65.53)}
   65.52 Other removal of remaining ovary
       Removal of solitary ovary
       \textit{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
       \textit{Excludes: that by laparoscope (65.63)}
   65.62 Other removal of remaining ovary and tube
       Removal of solitary ovary and tube
       \textit{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
   \textit{Excludes: salpingo-oophorostomy (66.72)}
   65.71 Other simple suture of ovary
       \textit{Excludes: that by laparoscope (65.74)}
   65.72 Other reimplantation of ovary
       \textit{Excludes: that by laparoscope (65.75)}
   65.73 Other salpingo-oophoroplasty
       \textit{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
       \textit{Excludes: that by laparoscope (65.81)}

65.9 Other operations on ovary
   65.91 Aspiration of ovary
       \textit{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)*
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

---

**New code  Revised code  4\textsuperscript{th} digit required**
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

68.29 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)

68.41 Laparoscopic total abdominal hysterectomy
Total laparoscopic hysterectomy [TLH]

68.49 Other and unspecified total abdominal hysterectomy
Hysterectomy:
extended
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

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)

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

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)

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, 68.9)

Excludes: laparoscopically assisted vaginal hysterectomy (LAVH) (68.51)
radical vaginal hysterectomy (68.7)

Excludes: laparoscopic total abdominal hysterectomy (68.41)
laparoscopic radical abdominal hysterectomy (68.61)

Excludes: abdominal hysterectomy, any approach (68.31-68.39, 68.41-68.49, 68.61-68.69, 68.9)

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 fistulectom (57.84)*

69.49 Other repair of uterus
Repair of old obstetric laceration of uterus

69.5 Aspiration curettage of uterus
*Excludes: menstrual extraction (69.6)*

69.51 Aspiration curettage of uterus for termination of pregnancy
Therapeutic abortion NOS

69.52 Aspiration curettage following delivery or abortion

69.59 Other aspiration curettage of uterus

69.6 Menstrual extraction or regulation

69.7 Insertion of intrauterine contraceptive device
### 69.9 Other operations on uterus, cervix, and supporting structures

**Excludes:** obstetric dilation or incision of cervix (73.1, 73.93)

#### 69.91 Insertion of therapeutic device into uterus

**Excludes:**
- insertion of:
  - intrauterine contraceptive device (69.7)
  - laminaria (69.93)
  - obstetric insertion of bag, bougie, or pack (73.1)

#### 69.92 Artificial insemination

#### 69.93 Insertion of laminaria

#### 69.94 Manual replacement of inverted uterus

**Excludes:** that in immediate postpartal period (75.94)

#### 69.95 Incision of cervix

**Excludes:** that to assist delivery (73.93)

#### 69.96 Removal of cerclage material from cervix

#### 69.97 Removal of other penetrating foreign body from cervix

**Excludes:** removal of intraluminal foreign body from cervix (98.16)

#### 69.98 Other operations on supporting structures of uterus

**Excludes:** biopsy of uterine ligament (68.14)

#### 69.99 Other operations on cervix and uterus

**Excludes:** removal of:
- foreign body (98.16)
- intrauterine contraceptive device (97.71)
- obstetric bag, bougie, or pack (97.72)
- packing (97.72)

### 70 Operations on vagina and cul-de-sac

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

#### 70.0 Culdocentesis

#### 70.1 Incision of vagina and cul-de-sac

##### 70.11 Hymenotomy

##### 70.12 Culdotomy

##### 70.13 Lysis of intraluminal adhesions of vagina

##### 70.14 Other vaginotomy

  - Division of vaginal septum
  - Drainage of hematoma of vaginal cuff

#### 70.2 Diagnostic procedures on vagina and cul-de-sac

##### 70.21 Vaginoscopy

##### 70.22 Culdoscopy

##### 70.23 Biopsy of cul-de-sac

##### 70.24 Vaginal biopsy

##### 70.29 Other diagnostic procedures on vagina and cul-de-sac
70.3 Local excision or destruction of vagina and cul-de-sac

70.31 Hymenectomy

70.32 Excision or destruction of lesion of cul-de-sac
Endometrectomy of cul-de-sac

Excludes: biopsy of cul-de-sac (70.23)

70.33 Excision or destruction of lesion of vagina

Excludes: biopsy of vagina (70.24)

vaginal fistulectomy (70.72-70.75)

70.4 Obliteration and total excision of vagina
Vaginectomy

Excludes: obliteration of vaginal vault (70.8)

70.5 Repair of cystocele and rectocele

70.50 Repair of cystocele and rectocele

70.51 Repair of cystocele
Anterior colporrhaphy (with urethrocele repair)

70.52 Repair of rectocele
Posterior colporrhaphy

70.6 Vaginal construction and reconstruction

70.61 Vaginal construction

70.62 Vaginal reconstruction

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

70.79 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

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
      \textit{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
   \textit{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
   \textit{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
   Episiotoproctotomy
   Episiotomy with subsequent episiorrhaphy
   \textit{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
<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
</tr>
</thead>
</table>
| 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:  
etopic 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 |
ICD-9-CM TABULAR LIST OF PROCEDURES (FY07)

75 Other obstetric operations

75.0 Intra-amniotic injection for abortion
   Injection of:
   prostaglandin for induction of abortion
   saline for induction of abortion
   Termination of pregnancy by intrauterine injection
   
   Excludes: insertion of prostaglandin suppository for abortion (96.49)

75.1 Diagnostic amniocentesis

75.2 Intrauterine transfusion
   Exchange transfusion in utero
   Insertion of catheter into abdomen of fetus for transfusion
   Code also any hysterotomy approach (68.0)

75.3 Other intrauterine operations on fetus and amnion
   Code also any hysterotomy approach (68.0)

   75.31 Amnioscopy
      Fetoscopy
      Laparoamnioscopy

   75.32 Fetal EKG (scalp)

   75.33 Fetal blood sampling and biopsy

   75.34 Other fetal monitoring
      Antepartum fetal nonstress test
      Fetal monitoring, not otherwise specified
      
      Excludes: fetal pulse oximetry (75.38)

   75.35 Other diagnostic procedures on fetus and amnion
      Intrauterine pressure determination
      
      Excludes: amniocentesis (75.1)
      diagnostic procedures on gravid uterus and placenta (87.81, 88.46, 88.78, 92.17)

   75.36 Correction of fetal defect

   75.37 Amnioinfusion
      Code also injection of antibiotic (99.21)

   75.38 Fetal pulse oximetry
      Transcervical fetal oxygen saturation monitoring
      Transcervical fetal SpO2 monitoring

   75.4 Manual removal of retained placenta
      
      Excludes: aspiration curettage (69.52)
      dilation and curettage (69.02)
75.5 Repair of current obstetric laceration of uterus
   75.50 Repair of current obstetric laceration of uterus, not otherwise specified
   75.51 Repair of current obstetric laceration of cervix
   75.52 Repair of current obstetric laceration of corpus uteri

75.6 Repair of other current obstetric laceration
   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
      Episioterineorrhaphy
      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
# 14. OPERATIONS ON THE MUSCULOSKELETAL SYSTEM (76-84)

## 76 Operations on facial bones and joints

*Excludes:* accessory sinuses (22.00-22.9)  
nasal bones (21.00-21.99)  
skull (01.01-02.99)

### 76.0 Incision of facial bone without division

- **76.01** Sequestrectomy of facial bone  
  Removal of necrotic bone chip from facial bone
- **76.09** Other incision of facial bone  
  Reopening of osteotomy site of facial bone
  *Excludes:* osteotomy associated with orthognathic surgery (76.61-76.69)  
  removal of internal fixation device (76.97)

### 76.1 Diagnostic procedures on facial bones and joints

- **76.11** Biopsy of facial bone
- **76.19** Other diagnostic procedures on facial bones and joints
  *Excludes:* contrast arthrogram of temporomandibular joint (87.13)  
  other x-ray (87.11-87.12, 87.14-87.16)

### 76.2 Local excision or destruction of lesion of facial bone

*Excludes:* biopsy of facial bone (76.11)  
  excision of odontogenic lesion (24.4)

### 76.3 Partial ostectomy of facial bone

- **76.31** Partial mandibulectomy  
  Hemimandibulectomy
  *Excludes:* that associated with temporomandibular arthroplasty (76.5)
- **76.39** Partial ostectomy of other facial bone  
  Hemimaxillectomy (with bone graft or prosthesis)

### 76.4 Excision and reconstruction of facial bones

- **76.41** Total mandibulectomy with synchronous reconstruction
- **76.42** Other total mandibulectomy
- **76.43** Other reconstruction of mandible
  *Excludes:* genioplasty (76.67-76.68)  
  that with synchronous total mandibulectomy (76.41)
- **76.44** Total ostectomy of other facial bone with synchronous reconstruction
- **76.45** Other total ostectomy of other facial bone
- **76.46** Other reconstruction of other facial bone
  *Excludes:* that with synchronous total ostectomy (76.44)
ICD-9-CM TABULAR LIST OF PROCEDURES (FY07)

76.5 Temporomandibular arthroplasty

76.6 Other facial bone repair and orthognathic surgery

- **Code also any synchronous:**
  - bone graft (76.91)
  - synthetic implant (76.92)

  *Excludes: reconstruction of facial bones (76.41-76.46)*

76.61 Closed osteoplasty [osteotomy] of mandibular ramus
  Gigli saw osteotomy

76.62 Open osteoplasty [osteotomy] of mandibular ramus

76.63 Osteoplasty [osteotomy] of body of mandible

76.64 Other orthognathic surgery on mandible
  - Mandibular osteoplasty NOS
  - Segmental or subapical osteotomy

76.65 Segmental osteoplasty [osteotomy] of maxilla
  Maxillary osteoplasty NOS

76.66 Total osteoplasty [osteotomy] of maxilla

76.67 Reduction genioplasty
  Reduction mentoplasty

76.68 Augmentation genioplasty
  Mentoplasty:
  - NOS
  - with graft or implant

76.69 Other facial bone repair
  Osteoplasty of facial bone NOS

76.7 Reduction of facial fracture

- **Includes: internal fixation**

- **Code also any synchronous:**
  - bone graft (76.91)
  - synthetic implant (76.92)

  *Excludes: that of nasal bones (21.71-21.72)*

76.70 Reduction of facial fracture, not otherwise specified

76.71 Closed reduction of malar and zygomatic fracture

76.72 Open reduction of malar and zygomatic fracture

76.73 Closed reduction of maxillary fracture

76.74 Open reduction of maxillary fracture

76.75 Closed reduction of mandibular fracture

76.76 Open reduction of mandibular fracture

76.77 Open reduction of alveolar fracture
  Reduction of alveolar fracture with stabilization of teeth

76.78 Other closed reduction of facial fracture
  Closed reduction of orbital fracture

  *Excludes: nasal bone (21.71)*
76.79 Other open reduction of facial fracture
   Open reduction of orbit rim or wall
   *Excludes: nasal bone (21.72)*

76.9 Other operations on facial bones and joints

76.91 Bone graft to facial bone
   Autogenous graft to facial bone
   Bone bank graft to facial bone
   Heterogenous graft to facial bone

76.92 Insertion of synthetic implant in facial bone
   Alloplastic implant to facial bone

76.93 Closed reduction of temporomandibular dislocation

76.94 Open reduction of temporomandibular dislocation

76.95 Other manipulation of temporomandibular joint

76.96 Injection of therapeutic substance into temporomandibular joint

76.97 Removal of internal fixation device from facial bone
   *Excludes: removal of:
     dental wiring (97.33)
     external mandibular fixation device NEC (97.36)*

76.99 Other

77 Incision, excision, and division of other bones

   *Excludes: laminectomy for decompression (03.09)
   operations on:
     accessory sinuses (22.00-22.9)
     ear ossicles (19.0-19.55)
     facial bones (76.01-76.99)
     joint structures (80.00-81.99)
     mastoid (19.9-20.99)
     nasal bones (21.00-21.99)
     skull (01.01-02.99)*

The following fourth-digit subclassification is for use with appropriate categories in section 77 to identify the site. Valid fourth-digit categories are in brackets under each code.

<table>
<thead>
<tr>
<th>0</th>
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<tbody>
<tr>
<td>1</td>
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<tr>
<td></td>
<td>Vertebrae</td>
</tr>
</tbody>
</table>
77.0  Sequestrectomy  
77.1  Other incision of bone without division  
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  
Excludes: that for hallux valgus (77.51)

77.3  Other division of bone  
Osteoarthrotomy

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

77.4  Biopsy of bone  

77.5  Excision and repair of bunion and other toe deformities

77.51  Bunionectomy with soft tissue correction and osteotomy of the first metatarsal

77.52  Bunionectomy with soft tissue correction and arthrodesis

77.53  Other bunionectomy with soft tissue correction

77.54  Excision or correction of bunionette
That with osteotomy

77.56  Repair of hammer toe
Fusion of hammer toe
Phalangectomy (partial) of hammer toe
Filleting of hammer toe

77.57  Repair of claw toe
Fusion of claw toe
Phalangectomy (partial) of claw toe
Capsulotomy of claw toe
Tendon lengthening of claw toe

77.58  Other excision, fusion and repair of toes
Cockup toe repair
Overlapping toe repair
That with use of prosthetic materials

77.59  Other bunionectomy
Resection of hallux valgus joint with insertion of prosthesis

77.6  Local excision of lesion or tissue of bone  
Excludes: biopsy of bone (77.40-77.49)
debreadment of compound fracture (79.60-79.69)

77.7  Excision of bone for graft
### 77.8 Other partial ostectomy

**Condylectomy**

*Excludes: amputation (84.00-84.19, 84.91)*
*arthrectomy (80.90-80.99)*
*excision of bone ends associated with:*
  *arthrodesis (81.00-81.29)*
  *arthroplasty (81.31-81.87)*
*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)*
*resection 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)*

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</tbody>
</table>
190

**78.0 Bone graft**

- Bone:
  - bank graft
  - graft (autogenous) (heterogenous)
  - That with debridement of bone graft site (removal of sclerosed, fibrous or necrotic bone or tissue)
  - Transplantation of bone

  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**

- Fixator with insertion of pins/wires/screws into bone

  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**

- Epiphyseal stapling
- Open epiphysiodesis
- Percutaneous epiphysiodesis
- Resection/osteotomy

**78.3 Limb lengthening procedures**

- Bone graft with or without internal fixation devices or osteotomy
- Distraction technique with or without corticotomy/osteotomy

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

**78.4 Other repair or plastic operations on bone**

- Other operation on bone NEC

  Repair of malunion or nonunion fracture NEC

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

  limb shortening procedures (**78.20-78.29**)

  osteotomy (**77.3**)

  reconstruction of thumb (**82.61-82.69**)

  repair of pectus deformity (**34.74**)

  repair with bone graft (**78.00-78.09**)

**78.5 Internal fixation of bone without fracture reduction**

- Internal fixation of bone (prophylactic)
- Reininsertion of internal fixation device

  Revision of displaced or broken fixation device

  **Excludes:** arthroplasty and arthrodesis (**81.00-81.85**)

  bone graft (**78.00-78.09**)

  limb shortening procedures (**78.20-78.29**)

  that for fracture reduction (**79.10-79.19, 79.30-79.59**)

**78.6 Removal of implanted devices from bone**

- External fixator device (invasive)
- Internal fixation device
- Removal of bone growth stimulator (invasive)
- Removal of internal limb lengthening device

  **Excludes:** removal of cast, splint, and traction device (Kirschner wire)

  (Steinmann pin (**97.88**)

  removal of skull tongs or halo traction device (**02.95**)

**78.7 Osteoclasis**

[0-9]
78.8 Diagnostic procedures on bone, not elsewhere classified

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

Excludes: non-invasive (transcutaneous) (surface) stimulator (99.86)

79 Reduction of fracture and dislocation

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)

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<tr>
<td>9</td>
<td>other specified bone</td>
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</tbody>
</table>
79.0 Closed reduction of fracture without internal fixation

Excludes: that for separation of epiphysis (79.40-79.49)

79.1 Closed reduction of fracture with internal fixation

Excludes: that for separation of epiphysis (79.40-79.49)

79.2 Open reduction of fracture without internal fixation

Excludes: that for separation of epiphysis (79.50-79.59)

79.3 Open reduction of fracture with internal fixation

Excludes: that for separation of epiphysis (79.50-79.59)

79.4 Closed reduction of separated epiphysis

Evaluation: reduction with or without internal fixation

79.5 Open reduction of separated epiphysis

Evaluation: reduction with or without internal fixation

79.6 Debridement of open fracture site

Evaluation: 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

Excludes: that for separation of epiphysis (79.40-79.49)
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 4 ©
0-9 Code also any:
insertion of (cement)(joint) spacer (84.56)
removal of (cement)(joint) spacer (84.57)

80.1 Other arthrotomy 4
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 4
0-9

80.3 Biopsy of joint structure 4
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 or destruction 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)
  
  Excludes: that for insertion of (non-fusion) spinal disc replacement device (84.60 - 84.69)
  that with corpectomy, (vertebral) (80.99)
  intervertebral chemonucleolysis (80.52)
  laminectomy for exploration of intraspinal canal (03.09)
  laminotomy for decompression of spinal nerve root only (03.09)

80.52 Intervertebral chemonucleolysis
  With aspiration of disc fragments
  With diskography
  Injection of proteolytic enzyme into intervertebral space
  (chymopapain)
  
  Excludes: injection of anesthetic substance (03.91)
  injection of other substances (03.92)

80.59 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
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)
Excludes: correction of pseudarthrosis of spine (81.30-81.39) refusion of spine (81.30-81.39)

81.00 Spinal fusion, not otherwise specified

81.01 Atlas-axis spinal fusion
Craniocervical fusion by anterior, transoral, or posterior technique
C1-C2 fusion by anterior, transoral, or posterior technique
Occiput C2 fusion by anterior, transoral, or posterior technique

81.02 Other cervical fusion, anterior technique
Arthrodesis of C2 level or below:
    anterior (interbody) technique
    anterolateral technique

81.03 Other cervical fusion, posterior technique
Arthrodesis of C2 level or below:
    posterior (interbody) technique
    posterolateral technique

81.04 Dorsal and dorsolumbar fusion, anterior technique
Arthrodesis of thoracic or thoracolumbar region:
    anterior (interbody) technique
    anterolateral technique

81.05 Dorsal and dorsolumbar fusion, posterior technique
Arthrodesis of thoracic or thoracolumbar region:
    posterior (interbody) technique
    posterolateral technique

81.06 Lumbar and lumbosacral fusion, anterior technique
Anterior lumbar interbody fusion (ALIF)
Arthrodesis of lumbar or lumbosacral region:
    anterior (interbody) technique
    anterolateral technique
81.07 Lumbar and lumbosacral fusion, lateral transverse process technique®

81.08 Lumbar and lumbosacral fusion, posterior technique®
   Arthrodesis of lumbar or lumbosacral region:
   posterior (interbody) technique
   posterolateral technique
   Posterior lumbar interbody fusion (PLIF)
   Transforaminal lumbar interbody fusion (TLIF)

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

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)

81.30 Refusion of spine, not otherwise specified

81.31 Refusion of atlas-axis spine

Craniocervical fusion by anterior, transoral, or posterior technique
C1-C2 fusion by anterior, transoral, or posterior technique
Occiput C2 fusion by anterior, transoral, or posterior technique

81.32 Refusion of other cervical spine, anterior technique

Arthrodesis of C2 level or below:
- anterior (interbody) technique
- anterolateral technique

81.33 Refusion of other cervical spine, posterior technique

Anterior lumbar interbody fusion (ALIF)
Arthrodesis of C2 level or below:
- posterior (interbody) technique
- posterolateral technique

81.34 Refusion of dorsal and dorsolumbar spine, anterior technique

Arthrodesis of thoracic or thoracolumbar region:
- anterior (interbody) technique
- anterolateral technique

81.35 Refusion of dorsal and dorsolumbar spine, posterior technique

Arthrodesis of thoracic or thoracolumbar region:
- posterior (interbody) technique
- posterolateral technique

81.36 Refusion of lumbar and lumbosacral spine, anterior technique

Arthrodesis of lumbar or lumbosacral region:
- anterior (interbody) technique
- anterolateral technique

81.37 Refusion of lumbar and lumbosacral spine, lateral transverse process technique

81.38 Refusion of lumbar and lumbosacral spine, posterior technique

Arthrodesis of lumbar or lumbosacral region:
- posterior (interbody) technique
- posterolateral technique

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
   - removal of cement spacer

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 (00.74-00.76)

81.52 Partial hip replacement ®
   Bipolar endoprosthesis
   Code also any type of bearing surface, if known (00.74-00.76)

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 (00.74-00.76)

   Excludes: revision of hip replacement, components specified (00.70-00.73)

81.54 Total knee replacement
   Bicompartmental
   Tricompartmental
   Unicompartmental (hemijoint)
**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)*

**Total ankle replacement**

**Replacement of joint of foot and toe**

**Revision of joint replacement of lower extremity, not elsewhere classified**

**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)

*Delete code 81.61*

**Fusion or refusion of 2-3 vertebrae**

**Fusion or refusion of 4-8 vertebrae**

**Fusion or refusion of 9 or more vertebrae**

**Vertebroplasty**

Injection of bone void filler (cement) (polymethylmethacrylate) (PMMA) into the diseased or fractured vertebral body

*Excludes: kyphoplasty (81.66)*

**Kyphoplasty**

Insertion of inflatable balloon, bone tamp, or other device to create a cavity for partial restoration of height of diseased or fractured vertebral body prior to injection of bone void filler (cement)(polymethylmethacrylate) (PMMA)

*Excludes: vertebroplasty (81.65)*

**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)*

**Arthroplasty of metacarpophalangeal and interphalangeal joint with implant**

**Arthroplasty of metacarpophalangeal and interphalangeal joint without implant**
81.73 Total wrist replacement
81.74 Arthroplasty of carpocarpal or carpometacarpal joint with implant
81.75 Arthroplasty of carpocarpal or carpometacarpal joint without implant
81.79 Other repair of hand, fingers and wrist

81.8 Arthroplasty and repair of shoulder and elbow
Includes: arthroplasty of upper limb NEC with:
- external traction or fixation
- graft of bone (chips) or cartilage
- internal fixation device or prosthesis
81.80 Total shoulder replacement
81.81 Partial shoulder replacement
81.82 Repair of recurrent dislocation of shoulder
81.83 Other repair of shoulder
Revision of arthroplasty of shoulder
81.84 Total elbow replacement
81.85 Other repair of elbow

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 with 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 with arthroplasty (81.56-81.59)
81.95 Suture of capsule or ligament of other lower extremity
Excludes: that associated with 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
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 lesion of skin and subcutaneous tissue
     (86.21-86.3)
   82.31 Bursoscopy 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)
### ICD-9-CM Tabular List of Procedures (FY07)

#### 83.0 Incision of muscle, tendon, fascia, and bursa

- **83.01 Exploration of tendon sheath**
  - Incision of tendon sheath
  - Removal of rice bodies from tendon sheath

- **83.02 Myotomy**
  - *Excludes: cricopharyngeal myotomy (29.31)*

- **83.03 Bursotomy**
  - Removal of calcareous deposit of bursa
  - *Excludes: aspiration of burs (percutaneous) (83.94)*

- **83.09 Other incision of soft tissue**
  - Incision of fascia
  - *Excludes: incision of skin an 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 iliobial 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 Biopsy of soft tissue**
  - *Excludes: biopsy of chest wall (34.23)*
  - biopsy of skin and subcutaneous tissue (86.11)

- **83.29 Other diagnostic procedures on muscle, tendon, fascia, and bursa, including that of hand**
  - *Excludes: microscopic examination of specimen (91.51-91.59)*
  - soft tissue x-ray (87.09, 87.38-87.39, 88.09, 88.35, 88.37)
  - thermography of muscle (88.84)
83.3 Excision of lesion of muscle, tendon, fascia, and bursa

*Excludes:* biopsy of soft tissue (83.21)

83.31 Excision of lesion of tendon sheath
Excision of ganglion of tendon sheath, except of hand

83.32 Excision of lesion of muscle
Excision of:
- heterotopic bone
- muscle scar for release of Volkmann's contracture
- myositis ossificans

83.39 Excision of lesion of other soft tissue
Excision of Baker's cyst

*Excludes:* bursectomy (83.5)
- excision of lesion of skin and subcutaneous tissue (86.3)
- synovectomy (80.70-80.79)

83.4 Other excision of muscle, tendon, and fascia

83.41 Excision of tendon for graft

83.42 Other tenonectomy
Excision of:
- aponeurosis
- tendon sheath
- Tenosynovectomy

83.43 Excision of muscle or fascia for graft

83.44 Other fasciectomy

83.45 Other myectomy
Debridement of muscle NOS
Scalenectomy

83.49 Other excision of soft tissue

83.5 Bursectomy

83.6 Suture of muscle, tendon, and fascia

83.61 Suture of tendon sheath

83.62 Delayed suture of tendon

83.63 Rotator cuff repair

83.64 Other suture of tendon
- Achillorrhaphy
- Aponeurorrhaphy

*Excludes:* delayed suture of tendon (83.62)

83.65 Other suture of muscle or fascia
Repair of diastasis recti

83.7 Reconstruction of muscle and tendon

*Excludes:* reconstruction of muscle and tendon associated with arthroplasty

83.71 Advancement of tendon

83.72 Recession of tendon
83.73 Reattachment of tendon
83.74 Reattachment of muscle
83.75 Tendon transfer or transplantation
83.76 Other tendon transposition
83.77 Muscle transfer or transplantation
  Release of Volkmann's contracture by muscle transplantation
83.79 Other muscle transposition

83.8 Other plastic operations on muscle, tendon, and fascia
  *Excludes:* plastic operations on muscle, tendon, and fascia associated with arthroplasty

  83.81 Tendon graft
  83.82 Graft of muscle or fascia
  83.83 Tendon pulley reconstruction
  83.84 Release of clubfoot, not elsewhere classified
    Evans operation on clubfoot
  83.85 Other change in muscle or tendon length
    Hamstring lengthening
    Heel cord shortening
    Plastic achillotenotomy
    Tendon plication

  83.86 Quadricepsplasty

  83.87 Other plastic operations on muscle
    Musculoplasty
    Myoplasty

  83.88 Other plastic operations on tendon
    Myotenoplasty
    Tendon fixation
    Tenodesis
    Tenoplasty

  83.89 Other plastic operations on fascia
    Fascia lengthening
    Fascioplasty
    Plication of fascia

83.9 Other operations on muscle, tendon, fascia, and bursa
  *Excludes:* nonoperative:
    manipulation (93.25-93.29)
    stretching (93.27-93.29)

  83.91 Lysis of adhesions of muscle, tendon, fascia, and bursa
    *Excludes:* that for tarsal tunnel syndrome (04.44)

  83.92 Insertion or replacement of skeletal muscle stimulator
    Implantation, insertion, placement, or replacement of skeletal muscle:
    electrodes
    stimulator
83.93 Removal of skeletal muscle stimulator
83.94 Aspiration of bursa
83.95 Aspiration of other soft tissue
   Excludes: that of skin and subcutaneous tissue (86.01)
83.96 Injection of therapeutic substance into bursa
83.97 Injection of therapeutic substance into tendon
83.98 Injection of locally-acting therapeutic substance into other soft tissue
   Excludes: subcutaneous or intramuscular injection (99.11-99.29)
83.99 Other operations on muscle, tendon, fascia, and bursa
   Suture of bursa

84 Other procedures on musculoskeletal system

84.0 Amputation of upper limb
   Excludes: revision of amputation stump (84.3)
84.00 Upper limb amputation, not otherwise specified
   Closed flap amputation of upper limb NOS
   Kineplastic amputation of upper limb NOS
   Open or guillotine amputation of upper limb NOS
   Revision of current traumatic amputation of upper limb NOS
84.01 Amputation and disarticulation of finger
   Excludes: ligation of supernumerary finge (86.26)
84.02 Amputation and disarticulation of thumb
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 Interthoracosciapular 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
- **84.46** Fitting of prosthesis below knee
- **84.47** Fitting of prosthesis of leg, not otherwise specified
- **84.48** Implantation of prosthetic device of leg

### 84.5 Implantation of other musculoskeletal devices and substances

*Excludes: insertion of (non-fusion) spinal disc replacement device (84.60 - 84.69)*

- **84.51** Insertion of interbody spinal fusion device
  - Insertion of cages (carbon, ceramic, metal, plastic or titanium)
  - interbody fusion cage
  - synthetic cages or spacers
  - threaded bone dowels
  - Code also refusion of spine (81.30 - 81.39)
  - Code also spinal fusion (81.00 - 81.08)

- **84.52** Insertion of recombinant bone morphogenetic protein rhBMP
  - That via collagen sponge, coral, ceramic and other carriers
  - Code also primary procedure performed:
    - fracture repair (79.00-79.99)
    - spinal fusion (81.00 - 81.08)
    - spinal refusion (81.30 - 81.39)

- **84.53** Implantation of internal limb lengthening device with kinetic distraction
  - Code also limb lengthening procedure (78.30 - 78.39)

- **84.54** Implantation of other internal limb lengthening device
  - Implantation of internal limb lengthening device, Not Otherwise Specified (NOS)
  - Code also limb lengthening procedure (78.30 - 78.39)
84.55 Insertion of bone void filler
   Insertion of:
   acrylic cement (PMMA)
   bone void cement
   calcium based bone void filler
   polymethylmethacrylate (PMMA)

   Excludes: that with kyphoplasty (81.66)
   that with vertebroplasty (81.65)

84.56 Insertion of (cement) spacer
   Insertion of joint spacer

84.57 Removal of (cement) spacer
   Removal of joint spacer

84.58 Implantation of interspinous process decompression device

   Excludes: fusion of spine (81.00-81.08, 81.30-81.39)

84.59 Insertion of other spinal devices
   Insertion of non-fusion spinal stabilization device

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)
84.9 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
- 84.99 Other
15. OPERATIONS ON THE INTEGUMENTARY SYSTEM (85-86)

85 Operations on the breast

Includes: operations on the skin and subcutaneous tissue of:
- breast female or male
- previous mastectomy site female or male
- revision of previous mastectomy site

85.0 Mastotomy
Incision of breast (skin)
Mammotomy

Excludes: aspiration of breast (85.91)
removal of implant (85.94)

85.1 Diagnostic procedures on breast

85.11 Closed [percutaneous] [needle] biopsy of breast
85.12 Open biopsy of breast
85.19 Other diagnostic procedures on breast

Excludes: mammary ductogram (87.35)
mammography NEC (87.37)
manual examination (89.36)
microscopic examination of specimen (91.61-91.69)
thermography (88.85)
ultrasonography (88.73)
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
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
85.52 Bilateral injection into breast for augmentation
  Injection into breast for augmentation NOS
85.53 Unilateral breast implant
85.54 Bilateral breast implant
  Breast implant NOS

85.6 Mastopexy

85.7 Total reconstruction of breast

85.8 Other repair and plastic operations on breast

Excludes: that for:
  augmentation (85.50-85.54)
  reconstruction (85.7)
  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)

85.93 Revision of implant of breast
85.94 Removal of implant of breast
85.95 Insertion of breast tissue expander
  Insertion (soft tissue) of tissue expander (one or more) under
  muscle or platysma to develop skin flaps for donor use
85.96 Removal of breast tissue expander
85.99 Other
86 Operations on skin and subcutaneous tissue
Includes: operations on:
- hair follicles
- male perineum
- nails
- sebaceous glands
- subcutaneous fat pads
- sudoriferous glands
- superficial fossae

Excludes: those on skin of:
- anus (49.01-49.99)
- breast (mastectomy site) (85.0-85.99)
- ear (18.01-18.9)
- eyebrow (08.01-08.99)
- eyelid (08.01-08.99)
- female perineum (71.01-71.9)
- lips (27.0-27.99)
- nose (21.00-21.99)
- penis (64.0-64.99)
- scrotum (61.0-61.99)
- vulva (71.01-71.9)

86.0 Incision of skin and subcutaneous tissue

86.01 Aspiration of skin and subcutaneous tissue
Aspiration of:
- abscess of nail, skin, or subcutaneous tissue
- hematoma of nail, skin, or subcutaneous tissue
- seroma of nail, skin, or subcutaneous tissue

86.02 Injection or tattooing of skin lesion or defect
Injection of filling material
Insertion of filling material
Pigmenting of skin of filling material

86.03 Incision of pilonidal sinus or cyst
Excludes: marsupialization (86.21)

86.04 Other incision with drainage of skin and subcutaneous tissue
Excludes: drainage of:
- fascial compartments of face and mouth (27.0)
- palmar or thenar space (82.04)
- pilonidal sinus or cyst (86.03)

86.05 Incision with removal of foreign body or device from skin and subcutaneous tissue
Removal of loop recorder
Removal of neurostimulator pulse generator (single array, dual array)
Removal of tissue expander(s) from skin or soft tissue other than breast tissue
Excludes: removal of foreign body without incision (98.20-98.29)

86.06 Insertion of totally implantable infusion pump
Code also any associated catheterization
Excludes: insertion of totally implantable vascular access device (86.07)
86.07 Insertion of totally implantable vascular access device [VAD]
Totally implanted port

Excludes: insertion of totally implantable infusion pump (86.06)

86.09 Other incision of skin and subcutaneous tissue ®
Creation of thalamic stimulator pulse generator pocket, new site
Escharotomy
Exploration:
sinus tract, skin
superficial fossa
Relocation of subcutaneous device pocket NEC
Reopening subcutaneous pocket for device revision without
replacement
Undercutting of hair follicle

Excludes: creation of loop recorder pocket, new site and
insertion/relocation of device (37.79)
creation of pocket for implantable, patient-activated cardiac
event recorder and insertion/relocation of device (37.79)
removal of catheter from cranial cavity (01.27)
that of:
cardiac pacemaker pocket, new site (37.79)
fascial compartments of face and mouth (27.0)

86.1 Diagnostic procedures on skin and subcutaneous tissue

86.11 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
  - 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 (70.61-70.62)

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 allogermis
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 (70.61-70.62)

86.70 Pedicle or flap graft, not otherwise specified
86.71 Cutting and preparation of pedicle grafts or flaps
   Elevation of pedicle from its bed
   Flap design and raising
   Partial cutting of pedicle or tube
   Pedicle delay
   Excludes: pollicization or digita transfer (82.61, 82.81)
   revision of pedicle (86.75)

86.72 Advancement of pedicle graft

86.73 Attachment of pedicle or flap graft to hand
   Excludes: pollicization or digita transfer (82.61, 82.81)

86.74 Attachment of pedicle or flap graft to other sites
   Attachment by:
   advanced flap
   double pedicled flap
   pedicle graft
   rotating flap
   sliding flap
   tube graft

86.75 Revision of pedicle or flap graft
   Debridement of pedicle or flap graft
   Defatting of pedicle or flap graft

86.8 Other repair and reconstruction of skin and subcutaneous tissue

86.81 Repair for facial weakness

86.82 Facial rhytidectomy
   Face lift
   Excludes: rhytidectomy of eyelid (08.86-08.87)

86.83 Size reduction plastic operation
   Liposuction
   Reduction of adipose tissue of:
   abdominal wall (pendulous)
   arms (batwing)
   buttock
   thighs (trochanteric lipomatosi)
   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 lesio (86.3)

86.85 Correction of syndactyly

86.86 Onychoplasty

86.89 Other repair and reconstruction of skin and subcutaneous tissue
   Excludes: mentoplasty (76.67-76.68)
86.9 Other operations on skin and subcutaneous tissue

86.91 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) for intracranial, spinal, and peripheral neurostimulator
   Code also any associated lead implantation (02.93,03.93,04.92)
   *Excludes:* insertion or replacement of single array rechargeable neurostimulator pulse generator (86.97)

86.95 Insertion or replacement of dual array neurostimulator pulse generator, not specified as rechargeable
   Pulse generator (dual array, dual channel) for intracranial, spinal, and peripheral neurostimulator
   Code also any associated lead implantation (02.93,03.93,04.92)
   *Excludes:* insertion or replacement of dual 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:* insertion of dual 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) for intracranial, spinal, and peripheral neurostimulator
   Code also any associated lead implantation (02.93,03.93,04.92)

86.98 Insertion or replacement of dual array rechargeable neurostimulator pulse generator
   Rechargeable pulse generator (dual array, dual channel) for intracranial, spinal, and peripheral neurostimulator
   Code also any associated lead implantation (02.93,03.93,04.92)
86.99 Other

Excludes: removal of sutures from:
- abdomen (97.83)
- head and neck (97.38)
- thorax (97.43)
- trunk NEC (97.84)
- wound catheter:
  - irrigation (96.58)
  - replacement (97.15)
16. MISCELLANEOUS DIAGNOSTIC AND THERAPEUTIC PROCEDURES (87-99)

87 Diagnostic Radiology

87.0 Soft tissue x-ray of face, head, and neck

Excludes: angiography (88.40-88.68)

87.01 Pneumoencephalogram

87.02 Other contrast radiogram of brain and skull
  Pneumocisternogram
  Pneumoventriculogram
  Posterior fossa myelogram

87.03 Computerized axial tomography of head
  C.A.T. scan of head

87.04 Other tomography of head

87.05 Contrast dacryocystogram

87.06 Contrast radiogram of nasopharynx

87.07 Contrast laryngogram

87.08 Cervical lymphangiogram

87.09 Other soft tissue x-ray of face, head, and neck
  Noncontrast x-ray of:
    adenoid
    larynx
    nasolacrimal duct
    nasopharynx
    salivary gland
    thyroid region
    uvula

Excludes: x-ray study of eye (95.14)

87.1 Other x-ray of face, head, and neck

Excludes: angiography (88.40-88.68)

87.11 Full-mouth x-ray of teeth

87.12 Other dental x-ray
  Orthodontic cephalogram or cephalometrics
  Panorex examination of mandible
  Root canal x-ray

87.13 Temporomandibular contrast arthrogram

87.14 Contrast radiogram of orbit

87.15 Contrast radiogram of sinus

87.16 Other x-ray of facial bones
  X-ray of:
    frontal area
    mandible
    maxilla
nasal sinuses
nose
orbit
supraorbital area
symphysis menti
zygomaticomaxillary complex

87.17 Other x-ray of skull
  Lateral projection of skull
  Sagittal projection
  Tangential projection

87.2 X-ray of spine
  87.21 Contrast myelogram
  87.22 Other x-ray of cervical spine
  87.23 Other x-ray of thoracic spine
  87.24 Other x-ray of lumbosacral spine
    Sacrococcygeal x-ray
  87.29 Other x-ray of spine
    Spinal x-ray NOS

87.3 Soft tissue x-ray of thorax
  Excludes: 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
    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
87.43 X-ray of ribs, sternum, and clavicle  
Examination for:  
cervical rib  
fracture

87.44 Routine chest x-ray, so described  
X-ray of chest NOS

87.49 Other chest x-ray  
X-ray of:  
bronchus NOS  
diaphragm NOS  
heart NOS  
lung NOS  
mediastinum NOS  
trachea NOS

87.5 Biliary tract x-ray

87.51 Percutaneous hepatic cholangiogram

87.52 Intravenous cholangiogram

87.53 Intraoperative cholangiogram

87.54 Other cholangiogram

87.59 Other biliary tract x-ray  
Cholecystogram

87.6 Other x-ray of digestive system

87.61 Barium swallow

87.62 Upper GI series

87.63 Small bowel series

87.64 Lower GI series

87.65 Other x-ray of intestine

87.66 Contrast pancreatogram

87.69 Other digestive tract x-ray

87.7 X-ray of urinary system

Excludes: angiography of renal vessels (88.45, 88.65)

87.71 Computerized axial tomography of kidney  
C.A.T. scan of kidney

87.72 Other nephrotomogram

87.73 Intravenous pyelogram  
Diuretic infusion pyelogram

87.74 Retrograde pyelogram

87.75 Percutaneous pyelogram

87.76 Retrograde cystourethrogram

87.77 Other cystogram

87.78 Ileal conduitogram

87.79 Other x-ray of the urinary system  
KUB x-ray
87.8 X-ray of female genital organs
   87.81 X-ray of gravid uterus
      Intrauterine cephalometry by x-ray
   87.82 Gas contrast hysterosalpingogram
   87.83 Opaque dye contrast hysterosalpingogram
   87.84 Percutaneous hysterogram
   87.85 Other x-ray of fallopian tubes and uterus
   87.89 Other x-ray of female genital organs

87.9 X-ray of male genital organs
   87.91 Contrast seminal vesiculogram
   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)  
      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)

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)

88.54  Combined right and left heart angiocardiography
88.55 Coronary arteriography using a single catheter
Coronary arteriography by Sones technique
Direct selective coronary arteriography using a single catheter

88.56 Coronary arteriography using two catheters
Coronary arteriography by:
Judkins technique
Ricketts and Abrams technique
Direct selective coronary arteriography using two catheters

88.57 Other and unspecified coronary arteriography
Coronary arteriography NOS

88.58 Negative-contrast cardiac roentgenography
Cardiac roentgenography with injection of carbon dioxide

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)
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)*

### 88.92 Magnetic resonance imaging of chest and myocardium

For evaluation of hilar and mediastinal lymphadenopathy

### 88.93 Magnetic resonance imaging of spinal canal

Spinal cord levels:
- cervical
- thoracic
- lumbar (lumbosacral)

Spinal cord

Spine

### 88.94 Magnetic resonance imaging of musculoskeletal

Bone marrow blood supply
Extremities (upper) (lower)

### 88.95 Magnetic resonance imaging of pelvis, prostate, and bladder

### 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

### 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
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

89.2 Anatomic and physiologic measurements and manual examinations
   -- genitourinary system
   Excludes: the listed procedures when done as part of a general physical
   examination (89.7)
89.21 Urinary manometry
       Manometry through:
              indwelling ureteral catheter
              nephrostomy
              pyelostomy
              ureterostomy
89.22 Cystometrogram
89.23 Urethral sphincter electromyogram
89.24 Uroflowmetry [UFR]
89.25 Urethral pressure profile [UPP]
89.26 Gynecological examination
       Pelvic examination
89.29 Other nonoperative genitourinary system measurements
       Bioassay of urine
       Renal clearance
       Urine chemistry
89.3 Other anatomic and physiologic measurements and manual examinations

*Excludes:* the listed procedures when done as part of a general physical examination (89.7)

89.31 Dental examination
- Oral mucosal survey
- Periodontal survey

89.32 Esophageal manometry

89.33 Digital examination of enterostomy stoma
- Digital examination of colostomy stoma

89.34 Digital examination of rectum

89.35 Transillumination of nasal sinuses

89.36 Manual examination of breast

89.37 Vital capacity determination

89.38 Other nonoperative respiratory measurements
- Plethysmography for measurement of respiratory function
- Thoracic impedance plethysmography

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
89.62 Central venous pressure monitoring
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

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:

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<thead>
<tr>
<th>Digit</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>bacterial smear</td>
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<td>2</td>
<td>culture</td>
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<tr>
<td>3</td>
<td>culture and sensitivity</td>
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<tr>
<td>4</td>
<td>parasitology</td>
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<tr>
<td>5</td>
<td>toxicology</td>
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<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

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
#### Microscopic examination-II

The following fourth-digit subclassification is for use with categories in section 91 to identify type of examination

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<td>culture</td>
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<td>3</td>
<td>culture and sensitivity</td>
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<td>4</td>
<td>parasitology</td>
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<tr>
<td>5</td>
<td>toxicology</td>
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<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**

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 (91.70-91.79)*

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
   \textit{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
   \textit{Excludes: that for:}
   \begin{itemize}
   \item \textit{ablation of pituitary gland (07.64-07.69)}
   \item \textit{destruction of chorioretinal lesion (14.26-14.27)}
   \end{itemize}

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]
<table>
<thead>
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<th>Description</th>
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<td>Orthovoltage radiation</td>
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<td>Deep radiation [200-300 KVP]</td>
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<td>Radioisotopic teleradiotherapy</td>
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<td>radioactive cesium</td>
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<td>Teleradiotherapy using photons</td>
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<td>linear accelerator</td>
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<td>Teleradiotherapy using electrons</td>
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<td>Beta particles</td>
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<td>92.26</td>
<td>Teleradiotherapy of other particulate radiation</td>
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<td>Neutrons</td>
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<td>Protons NOS</td>
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<td>92.27</td>
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<td>Intravascular brachytherapy</td>
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<td>Intravenous injection or instillation</td>
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<td>Iodine-131 [I-131] tositumomab</td>
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<td>Radioimmunotherapy</td>
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<td>Other radiotherapeutic procedure</td>
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<td>Stereotactic radiosurgery, not elsewhere classified</td>
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</table>
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)
   urethral sphincter EMG (89.23)

93.09  Other diagnostic physical therapy procedure

93.1  Physical therapy exercises
   93.11  Assisting exercise
   Excludes: assisted exercise in pool (93.31)
   93.12  Other active musculoskeletal exercise
   93.13  Resistive exercise
   93.14  Training in joint movements
   93.15  Mobilization of spine
   93.16  Mobilization of other joints
   Excludes: manipulation of temporomandibular joint (76.95)
   93.17  Other passive musculoskeletal exercise
   93.18  Breathing exercise
   93.19  Exercise, not elsewhere classified

93.2  Other physical therapy musculoskeletal manipulation
   93.21  Manual and mechanical traction
   Excludes: skeletal traction (93.43-93.44)
   skin traction (93.45-93.46)
   spinal traction (93.41-93.42)
   93.22  Ambulation and gait training
   93.23  Fitting of orthotic device
   93.24  Training in use of prosthetic or orthotic device
   Training in crutch walking
   93.25  Forced extension of limb
   93.26  Manual rupture of joint adhesions
93.27 Stretching of muscle or tendon
93.28 Stretching of fascia
93.29 Other forcible correction of deformity

93.3 Other physical therapy therapeutic procedures
93.31 Assisted exercise in pool
93.32 Whirlpool treatment
93.33 Other hydrotherapy
93.34 Diathermy
93.35 Other heat therapy
    Acupuncture with smouldering moxa
    Hot packs
    Hyperthermia NEC
    Infrared irradiation
    Moxibustion
    Paraffin bath
    Excludes: hyperthermia for treatment of cancer (99.85)
93.36 Cardiac retraining
93.37 Prenatal training
    Training for natural childbirth
93.38 Combined physical therapy without mention of the components
93.39 Other physical therapy

93.4 Skeletal traction and other traction
93.41 Spinal traction using skull device
    Traction using:
    caliper tongs
    Crutchfield tongs
    halo device
    Vinke tongs
    Excludes: insertion of tongs or halo traction device (02.94)
93.42 Other spinal traction
    Cotrel's traction
    Excludes: cervical collar (93.52)
93.43 Intermittent skeletal traction
93.44 Other skeletal traction
    Bryant's traction
    Dunlop's traction
    Lyman Smith traction
    Russell's traction
93.45 Thomas' splint traction
93.46 Other skin traction of limbs
    Adhesive tape traction
    Boot traction
    Buck's traction
    Gallows traction
93.5 Other immobilization, pressure, and attention to wound

*Excludes:* external fixator device (84.71-84.73)

wound cleansing (96.58-96.59)

93.51 Application of plaster jacket

*Excludes:* Minerva jacket (93.52)

93.52 Application of neck support

Application of:
- cervical collar
- Minerva jacket
- molded neck support

93.53 Application of other cast

93.54 Application of splint

Plaster splint
Tray splint

*Excludes:* periodontal splint (24.7)

93.55 Dental wiring

*Excludes:* that for orthodontia (24.7)

93.56 Application of pressure dressing

Application of:
- Gibney bandage
- Robert Jones' bandage
- Shanz dressing

93.57 Application of other wound dressing

Porcine wound dressing

93.58 Application of pressure trousers

Application of:
- anti-shock trousers
- MAST trousers
- vasopneumatic device

93.59 Other immobilization, pressure, and attention to wound

Elastic stockings
Electronic gaiter
Intermittent pressure device
Oxygenation of wound (hyperbaric)
Stereotactic head frame application
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 mechanical ventilation (96.70-96.72)
93.90 Continuous positive airway pressure [CPAP]
    Bi-level airway pressure
    Non-invasive positive pressure (NIPPV)
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)*
93.97 Decompression chamber
93.98 Other control of atmospheric pressure and composition
   Antigen-free air conditioning
   Helium therapy
   *Excludes: inhaled nitric oxide therapy (INO) (00.12)*
93.99 Other respiratory procedures
   Continuous negative pressure ventilation \[CNP\]
   Postural drainage

94 Procedures related to the psyche
94.0 Psychologic evaluation and testing
94.01 Administration of intelligence test
   Administration of:
   Stanford-Binet
   Wechsler Adult Intelligence Scale
   Wechsler Intelligence Scale for Children
94.02 Administration of psychologic test
   Administration of:
   Bender Visual-Motor Gestalt Test
   Benton Visual Retention Test
   Minnesota Multiphasic Personality Inventory
   Wechsler Memory Scale
94.03 Character analysis
94.08 Other psychologic evaluation and testing
94.09 Psychologic mental status determination, not otherwise specified

94.1 Psychiatric interviews, consultations, and evaluations
94.11 Psychiatric mental status determination
   Clinical psychiatric mental status determination
   Evaluation for criminal responsibility
   Evaluation for testimentary capacity
   Medicolegal mental status determination
   Mental status determination NOS
94.12 **Routine psychiatric visit, not otherwise specified**
94.13 **Psychiatric commitment evaluation**
   Pre-commitment interview
94.19 **Other psychiatric interview and evaluation**
   Follow-up psychiatric interview NOS

### 94.2 Psychiatric somatotherapy

94.21 **Narcoanalysis**
   *Narcosynthesis*
94.22 **Lithium therapy**
94.23 **Neuroleptic therapy**
94.24 **Chemical shock therapy**
94.25 **Other psychiatric drug therapy**
94.26 **Subconvulsive electroshock therapy**
94.27 **Other electroshock therapy**
   *Electroconvulsive therapy (ECT)*
   EST
94.29 **Other psychiatric somatotherapy**

### 94.3 Individual psychotherapy

94.31 **Psychoanalysis**
94.32 **Hypnotherapy**
   *Hypnodrome*
   *Hypnosis*
94.33 **Behavior therapy**
   *Aversion therapy*
   *Behavior modification*
   *Desensitization therapy*
   *Extinction therapy*
   *Relaxation training*
   *Token economy*
94.34 **Individual therapy for psychosexual dysfunction**
   *Excludes: that performed in group setting (94.41)*
94.35 **Crisis intervention**
94.36 **Play psychotherapy**
94.37 **Exploratory verbal psychotherapy**
94.38 **Supportive verbal psychotherapy**
94.39 **Other individual psychotherapy**
   *Biofeedback*

### 94.4 Other psychotherapy and counselling

94.41 **Group therapy for psychosexual dysfunction**
94.42 **Family therapy**
94.43 **Psychodrama**
94.44 **Other group therapy**
94.45 Drug addiction counselling
94.46 Alcoholism counselling
94.49 Other counselling

94.5 Referral for psychologic rehabilitation
94.51 Referral for psychotherapy
94.52 Referral for psychiatric aftercare:
   That in:
   halfway house
   outpatient (clinic) facility
94.53 Referral for alcoholism rehabilitation
94.54 Referral for drug addiction rehabilitation
94.55 Referral for vocational rehabilitation
94.59 Referral for other psychologic rehabilitation

94.6 Alcohol and drug rehabilitation and detoxification
94.61 Alcohol rehabilitation
94.62 Alcohol detoxification
94.63 Alcohol rehabilitation and detoxification
94.64 Drug rehabilitation
94.65 Drug detoxification
94.66 Drug rehabilitation and detoxification
94.67 Combined alcohol and drug rehabilitation
94.68 Combined alcohol and drug detoxification
94.69 Combined alcohol and drug rehabilitation and detoxification

95 Ophthalmologic and otologic diagnosis and treatment
95.0 General and subjective eye examination
95.01 Limited eye examination
   Eye examination with prescription of spectacles
95.02 Comprehensive eye examination
   Eye examination covering all aspects of the visual system
95.03 Extended ophthalmologic work-up
   Examination (for):
   glaucoma
   neuro-ophthalmology
   retinal disease
95.04 Eye examination under anesthesia
   Code also type of examination
95.05 Visual field study
95.06 Color vision study
95.07 Dark adaptation study
95.09 Eye examination, not otherwise specified
   Vision check NOS
95.1 Examinations of form and structure of eye
  95.11 Fundus photography
  95.12 Fluorescein angiography or angioscopy of eye
  95.13 Ultrasound study of eye
  95.14 X-ray study of eye
  95.15 Ocular motility study
  95.16 P³² and other tracer studies of eye

95.2 Objective functional tests of eye
  Excludes: that with polysomnogram (89.17)
  95.21 Electroretinogram [ERG]
  95.22 Electro-oculogram [EOG]
  95.23 Visual evoked potential [VEP]
  95.24 Electronystagmogram [ENG]
  95.25 Electromyogram of eye [EMG]
  95.26 Tonography, provocative tests, and other glaucoma testing

95.3 Special vision services
  95.31 Fitting and dispensing of spectacles
  95.32 Prescription, fitting, and dispensing of contact lens
  95.33 Dispensing of other low vision aids
  95.34 Ocular prosthetics
  95.35 Orthoptic training
  95.36 Ophthalmologic counselling and instruction
    Counselling in:
    adaptation to visual loss
    use of low vision aids

95.4 Nonoperative procedures related to hearing
  95.41 Audiometry
    Békésy 5-tone audiometry
    Impedance audiometry
    Stapedial reflex response
    Subjective audiometry
    Tympanogram
  95.42 Clinical test of hearing
    Tuning fork test
    Whispered speech test
  95.43 Audiological evaluation
    Audiological evaluation by:
    Bárány noise machine
    blindfold test
    delayed feedback
    masking
    Weber lateralization
ICD-9-CM TABULAR LIST OF PROCEDURES (FY07)

95.44 Clinical vestibular function tests
   Thermal test of vestibular function

95.45 Rotation tests
   Bârâny 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
248

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
96.35 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 mechanical ventilation
Includes: Endotracheal respiratory assistance
Intermittent mandatory ventilation [IMV]
Positive end expiratory pressure [PEEP]
Pressure support ventilation [PSV]
That by tracheostomy
Weaning of an intubated (endotracheal tube) patient

*Excludes: bi-level airway pressure (93.90)*
continuous negative pressure ventilation [CNP] (iron lung) (cuirass) (93.99)
continuous positive airway pressure [CPAP] (93.90)
intermittent positive pressure breathing [IPPB] (93.91)
non-invasive positive pressure (NIPPV) (93.90)
that by face mask (93.90-93.99)
that by nasal cannula(93.90-93.99)
that by nasal catheter (93.90-93.99)

Code also any associated:
endotracheal tube insertion (96.04)
tracheostomy (31.1-31.29)

**Note:** Endotracheal Intubation
To calculate the number of hours (duration) of continuous mechanical ventilation during a hospitalization, begin the count from the start of the (endotracheal) intubation. The duration ends with (endotracheal) extubation.
If a patient is intubated prior to admission, begin counting the duration from the time of the admission. If a patient is transferred (discharged) while intubated, the duration would end at the time of transfer (discharge).

For patients who begin on (endotracheal) intubation and subsequently have a tracheostomy performed for mechanical ventilation, the duration begins with the (endotracheal) intubation and ends when the mechanical ventilation is turned off (after the weaning period).

**Tracheostomy**

To calculate the number of hours of continuous mechanical ventilation during a hospitalization, begin counting the duration when mechanical ventilation is started. The duration ends when the mechanical ventilator is turned off (after the weaning period).

If a patient has received a tracheostomy prior to admission and is on mechanical ventilation at the time of admission, begin counting the duration from the time of admission. If a patient is transferred (discharged) while still on mechanical ventilation via tracheostomy, the duration would end at the time of the transfer (discharge).

96.70 Continuous mechanical ventilation of unspecified duration
   Mechanical ventilation NOS
96.71 Continuous mechanical ventilation for less than 96 consecutive hours
96.72 Continuous 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
   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)*
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>97.2</td>
<td>Other nonoperative replacement</td>
</tr>
<tr>
<td>97.21</td>
<td>Replacement of nasal packing</td>
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<tr>
<td>97.22</td>
<td>Replacement of dental packing</td>
</tr>
<tr>
<td>97.23</td>
<td>Replacement of tracheostomy tube</td>
</tr>
<tr>
<td>97.24</td>
<td>Replacement and refitting of vaginal diaphragm</td>
</tr>
<tr>
<td>97.25</td>
<td>Replacement of other vaginal pessary</td>
</tr>
<tr>
<td>97.26</td>
<td>Replacement of vaginal or vulvar packing or drain</td>
</tr>
<tr>
<td>97.29</td>
<td>Other nonoperative replacements</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>97.3</td>
<td>Nonoperative removal of therapeutic device from head and neck</td>
</tr>
<tr>
<td>97.31</td>
<td>Removal of eye prosthesis</td>
</tr>
<tr>
<td>97.32</td>
<td>Removal of nasal packing</td>
</tr>
<tr>
<td>97.33</td>
<td>Removal of dental wiring</td>
</tr>
<tr>
<td>97.34</td>
<td>Removal of dental packing</td>
</tr>
<tr>
<td>97.35</td>
<td>Removal of dental prosthesis</td>
</tr>
<tr>
<td>97.36</td>
<td>Removal of other external mandibular fixation device</td>
</tr>
<tr>
<td>97.37</td>
<td>Removal of tracheostomy tube</td>
</tr>
<tr>
<td>97.38</td>
<td>Removal of sutures from head and neck</td>
</tr>
<tr>
<td>97.39</td>
<td>Removal of other therapeutic device from head and neck</td>
</tr>
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<tr>
<td>97.4</td>
<td>Nonoperative removal of therapeutic device from thorax</td>
</tr>
<tr>
<td>97.41</td>
<td>Removal of thoracotomy tube or pleural cavity drain</td>
</tr>
<tr>
<td>97.42</td>
<td>Removal of mediastinal drain</td>
</tr>
<tr>
<td>97.43</td>
<td>Removal of sutures from thorax</td>
</tr>
<tr>
<td>97.44</td>
<td>Nonoperative removal of heart assist system</td>
</tr>
<tr>
<td>97.49</td>
<td>Removal of other device from thorax</td>
</tr>
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<th>Description</th>
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<tbody>
<tr>
<td>97.5</td>
<td>Nonoperative removal of therapeutic device from digestive system</td>
</tr>
<tr>
<td>97.51</td>
<td>Removal of gastrostomy tube</td>
</tr>
<tr>
<td>97.52</td>
<td>Removal of tube from small intestine</td>
</tr>
<tr>
<td>97.53</td>
<td>Removal of tube from large intestine or appendix</td>
</tr>
<tr>
<td>97.54</td>
<td>Removal of cholecystostomy tube</td>
</tr>
<tr>
<td>97.55</td>
<td>Removal of T-tube, other bile duct tube, or liver tube</td>
</tr>
<tr>
<td>97.56</td>
<td>Removal of bile duct stent</td>
</tr>
</tbody>
</table>
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
<table>
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<tr>
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<tr>
<td>98</td>
<td>Nonoperative removal of foreign body or calculus</td>
</tr>
<tr>
<td>98.0</td>
<td>Removal of intraluminal foreign body from digestive system without incision</td>
</tr>
<tr>
<td>98.01</td>
<td>Removal of intraluminal foreign body from mouth without incision</td>
</tr>
<tr>
<td>98.02</td>
<td>Removal of intraluminal foreign body from esophagus without incision</td>
</tr>
<tr>
<td>98.03</td>
<td>Removal of intraluminal foreign body from stomach and small intestine without incision</td>
</tr>
<tr>
<td>98.04</td>
<td>Removal of intraluminal foreign body from large intestine without incision</td>
</tr>
<tr>
<td>98.05</td>
<td>Removal of intraluminal foreign body from rectum and anus without incision</td>
</tr>
<tr>
<td>98.1</td>
<td>Removal of intraluminal foreign body from other sites without incision</td>
</tr>
<tr>
<td>98.11</td>
<td>Removal of intraluminal foreign body from ear without incision</td>
</tr>
<tr>
<td>98.12</td>
<td>Removal of intraluminal foreign body from nose without incision</td>
</tr>
<tr>
<td>98.13</td>
<td>Removal of intraluminal foreign body from pharynx without incision</td>
</tr>
<tr>
<td>98.14</td>
<td>Removal of intraluminal foreign body from larynx without incision</td>
</tr>
<tr>
<td>98.15</td>
<td>Removal of intraluminal foreign body from trachea and bronchus without incision</td>
</tr>
<tr>
<td>98.16</td>
<td>Removal of intraluminal foreign body from uterus without incision</td>
</tr>
<tr>
<td>98.17</td>
<td>Removal of intraluminal foreign body from vagina without incision</td>
</tr>
<tr>
<td>98.18</td>
<td>Removal of intraluminal foreign body from artificial stoma without incision</td>
</tr>
<tr>
<td>98.19</td>
<td>Removal of intraluminal foreign body from urethra without incision</td>
</tr>
<tr>
<td>98.2</td>
<td>Removal of other foreign body without incision</td>
</tr>
<tr>
<td>98.20</td>
<td>Removal of foreign body, not otherwise specified</td>
</tr>
<tr>
<td>98.21</td>
<td>Removal of superficial foreign body from eye without incision</td>
</tr>
<tr>
<td>98.22</td>
<td>Removal of other foreign body without incision from head and neck</td>
</tr>
<tr>
<td>98.23</td>
<td>Removal of foreign body from vulva without incision</td>
</tr>
<tr>
<td>98.24</td>
<td>Removal of foreign body from scrotum or penis without incision</td>
</tr>
<tr>
<td>98.25</td>
<td>Removal of other foreign body without incision from trunk except scrotum, penis, or vulva</td>
</tr>
<tr>
<td>98.26</td>
<td>Removal of foreign body from hand without incision</td>
</tr>
</tbody>
</table>
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
99.07 Transfusion of other serum
   Transfusion of plasma
       Excludes: injection [transfusion] of:
       antivenin (99.16)
       gamma globulin (99.14)
<table>
<thead>
<tr>
<th>Code</th>
<th>Procedure Description</th>
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</table>
| 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 (41.0)* |
| 99.1  | Injection or infusion of therapeutic or prophylactic substance  
Includes: injection or infusion given:  
- hypodermically acting locally or systemically  
- intramuscularly acting locally or systemically  
- intravenously acting locally or systemically |
| 99.10 | Injection or infusion of thrombolytic agent  
Alteplase  
Anistreplase  
Reteplase  
Streptokinase  
Tenecteplase  
Tissue plasminogen activator (TPA)  
Urokinase  
*Excludes: aspirin - omit code  
  GP IIB/IIIa platelet inhibitor (99.20)  
  heparin (99.19)  
  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 of gamma globulin  
Injection of immune sera |
| 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)

99.20 Injection or infusion of platelet inhibitor

- Glycoprotein IIB/IIla inhibitor
- GP IIB/IIla inhibitor

Excludes: infusion of heparin (99.19)
- injection or infusion of thrombolytic agent (99.10)

99.21 Injection of antibiotic

Excludes: injection or infusion of oxazolidinone class of antibiotics (00.14)

99.22 Injection of other anti-infective

Excludes: injection or infusion of oxazolidinone class of antibiotics (00.14)

99.23 Injection of steroid

- Injection of cortisone
- Subdermal implantation of progesterone

99.24 Injection of other hormone

99.25 Injection or infusion of cancer chemotherapeutic substance

- Chemoembolization
- Injection or infusion of antineoplastic agent

Excludes: immunotherapy, antineoplastic (00.15, 99.28)
- implantation of chemotherapeutic agent (00.10)
- injection of radioisotope (92.28)
- injection or infusion of biological response modifier [BRM] as an antineoplastic agent (99.28)
99.26 Injection of tranquilizer
99.27 Iontophoresis
99.28 Injection or infusion of biological response modifier [BRM] as an antineoplastic agent
   Low-dose interleukin-2 (IL-2) therapy
   Infusion of cintredekin besudotox
   Immunotherapy, antineoplastic
   Interleukin therapy
   Tumor vaccine
   Excludes: high-dose infusion interleukin-2 [IL-2] (00.15)
99.29 Injection or infusion of other therapeutic or prophylactic substance
   Excludes: administration of neuroprotective agent (99.75)
   immunization (99.31-99.59)
   injection of sclerosing agent into:
      esophageal varices (42.33)
      hemorrhoids (49.42)
      veins (39.92)
   injection or infusion of human B-type natriuretic peptide (hBNP)(00.13)
   injection or infusion of nesiritide (00.13)
   injection or infusion of platelet inhibitor (99.20)
   injection or infusion of thrombolytic agent (99.10)
99.3 Prophylactic vaccination and inoculation against certain bacterial diseases
99.31 Vaccination against cholera
99.32 Vaccination against typhoid and paratyphoid fever
   Administration of TAB vaccine
99.33 Vaccination against tuberculosis
   Administration of BCG vaccine
99.34 Vaccination against plague
99.35 Vaccination against tularemia
99.36 Administration of diphtheria toxoid
   Excludes: administration of:
      diphtheria antitoxin (99.58)
      diphtheria-tetanus-pertussis, combined (99.39)
99.37 Vaccination against pertussis
   Excludes: administration of diphtheria tetanus-pertussis, combined (99.39)
99.38 Administration of tetanus toxoid
   Excludes: administration of:
      diphtheria-tetanus-pertussis, combined (99.39)
      tetanus antitoxin (99.56)
99.39 Administration of diphtheria-tetanus- pertussis, combined
99.4 Prophylactic vaccination and inoculation against certain viral diseases
  99.41 Administration of poliomyelitis vaccine
  99.42 Vaccination against smallpox
  99.43 Vaccination against yellow fever
  99.44 Vaccination against rabies
  99.45 Vaccination against measles
    Excludes: administration of measles-mumps rubella vaccine (99.48)
  99.46 Vaccination against mumps
    Excludes: administration of measles-mumps rubella vaccine (99.48)
  99.47 Vaccination against rubella
    Excludes: administration of measles-mumps rubella vaccine (99.48)
  99.48 Administration of measles-mumps-rubella vaccine

99.5 Other vaccination and inoculation
  99.51 Prophylactic vaccination against the common cold
  99.52 Prophylactic vaccination against influenza
  99.53 Prophylactic vaccination against arthropod-borne viral encephalitis
  99.54 Prophylactic vaccination against other arthropod-borne viral diseases
  99.55 Prophylactic administration of vaccine against other diseases
      Vaccination against:
      anthrax
      brucellosis
      Rocky Mountain spotted fever
      Staphylococcus
      Streptococcus
      typhus
  99.56 Administration of tetanus antitoxin
  99.57 Administration of botulism antitoxin
  99.58 Administration of other antitoxins
      Administration of:
      diphtheria antitoxin
      gas gangrene antitoxin
      scarlet fever antitoxin
  99.59 Other vaccination and inoculation
      Vaccination NOS
      Excludes: injection of:
      gamma globulin (99.14)
      Rh immune globulin (99.11)
      immunization for:
      allergy (99.12)
      autoimmune disease (99.13)
99.6 Conversion of cardiac rhythm
   *Excludes*: open chest cardiac:
      electric stimulation (37.91)
      massage (37.91)

99.60 Cardiopulmonary resuscitation, not otherwise specified
99.61 Atrial cardioversion
99.62 Other electric countershock of heart
   Cardioversion:
      NOS
      external
      Conversion to sinus rhythm
      Defibrillation
      External electrode stimulation

99.63 Closed chest cardiac massage
   Cardiac massage NOS
   Manual external cardiac massage

99.64 Carotid sinus stimulation
99.69 Other conversion of cardiac rhythm

99.7 Therapeutic apheresis or other injection, administration, or infusion of other therapeutic or prophylactic substance
99.71 Therapeutic plasmapheresis
   *Excludes*: extracorporeal immunoadsorption [ECI] 99.76

99.72 Therapeutic leukopheresis
   Therapeutic leukocytapheresis

99.73 Therapeutic erythrocytapheresis
   Therapeutic erythropheresis

99.74 Therapeutic plateletpheresis

99.75 Administration of neuroprotective agent

99.76 Extracorporeal immunoadsorption
   Removal of antibodies from plasma with protein A columns

99.77 Application or administration of adhesion barrier substance

99.78 Aquapheresis
   Plasma water removal
   Ultrafiltration [for water removal]
   *Excludes*: hemodiafiltration (39.95)
   hemodialysis (39.95)
   therapeutic plasmapheresis (99.71)

99.79 Other
   Apheresis (harvest) of stem cells

99.8 Miscellaneous physical procedures
99.81 Hypothermia (central) (local)
   *Excludes*: gastric cooling (96.31)
   gastric freezing (96.32)
   that incidental to open heart surgery (39.62)
99.82 Ultraviolet light therapy
   Actinotherapy

99.83 Other phototherapy
   Phototherapy of the newborn
   Excludes: extracorporeal photochemotherapy (99.88)
              photocoagulation of retinal lesion (14.23-14.25, 14.33-
              14.35, 14.53-14.55)

99.84 Isolation
   Isolation after contact with infectious disease
   Protection of individual from his surroundings
   Protection of surroundings from individual

99.85 Hyperthermia for treatment of cancer
   Hyperthermia (adjunct therapy) induced by microwave,
   ultrasound, low energy radio frequency, probes
   (interstitial), or other means in the treatment of cancer
   Code also any concurrent chemotherapy or radiation therapy

99.86 Non-invasive placement of bone growth stimulator
   Transcutaneous (surface) placement of pads or patches for
   stimulation to aid bone healing
   Excludes: insertion of invasive or semi invasive bone growth
             stimulators (device) (percutaneous electrodes)
             (78.90-78.99)

99.88 Therapeutic photopheresis
   Extracorporeal photochemotherapy
   Extracorporeal photopheresis
   Excludes: other phototherapy (99.83)
              ultraviolet light therap (99.82)

99.9 Other miscellaneous procedures
99.91 Acupuncture for anesthesia
99.92 Other acupuncture
   Excludes: that with smouldering mox (93.35)
99.93 Rectal massage (for levator spasm)
99.94 Prostatic massage
99.95 Stretching of foreskin
99.96 Collection of sperm for artificial insemination
99.97 Fitting of denture
99.98 Extraction of milk from lactating breast
99.99 Other
   Leech therapy
Index to Procedures
<table>
<thead>
<tr>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Abbe operation</strong> construction of vagina 70.61 intestinal anastomosis—see Anastomosis, intestine</td>
</tr>
<tr>
<td><strong>Abciximab, infusion</strong> 99.20</td>
</tr>
<tr>
<td><strong>Abdominocentesis</strong> 54.91</td>
</tr>
<tr>
<td><strong>Abdominohysterectomy</strong> 68.49 laparoscopic 68.41</td>
</tr>
<tr>
<td><strong>Abdominoplasty</strong> 86.83</td>
</tr>
<tr>
<td><strong>Abdominouterotomy</strong> 68.0 obstetrical 74.99</td>
</tr>
<tr>
<td><strong>Abduction, arytenoid</strong> 31.69</td>
</tr>
<tr>
<td><strong>Ablation</strong> biliary tract (lesion) by ERCP 51.64 endometrial (hysteroscopic) 68.23 inner ear (cryosurgery) (ultrasound) 20.79 by injection 20.72 lesion esophagus 42.39 endoscopic 42.33 heart by peripherally inserted catheter 37.34 endovascular approach 37.34 maze procedure (Cox-maze) endovascular approach 37.34 open (trans-thoracic) approach 37.33 trans-thoracic approach 37.33 intestine large 45.49 endoscopic 45.43 large intestine 45.49 endoscopic 45.43 liver 50.26 laparoscopic 50.25 open 50.23 percutaneous 50.24 lung 32.26 open 32.23 percutaneous 32.24 thoracoscopic 32.25 renal 55.35 laparoscopic 55.34 open 55.32 percutaneous 55.33 pituitary 07.69 by Cobalt-60 92.32 implantation (strontium-yttrium) (Y) NEC 07.68 transfrontal approach 07.64 transphenoidal approach 07.65 proton beam (Bragg peak) 92.33</td>
</tr>
<tr>
<td><strong>Ablation—Cont. prostate</strong> by cryoablation 60.62 laser, transurethral 60.21 radical cryosurgical ablation (RCSA) 60.62 radiofrequency thermotherapy 60.97 transurethral needle ablation (TUNA) 60.97 tissue heart - see ablation, lesion, heart liver - see Ablation, lesion, liver lung - see Ablation, lesion, lung renal - see Ablation, lesion, renal</td>
</tr>
<tr>
<td><strong>Abortion, therapeutic</strong> 69.51 by aspiration curettage 69.51 dilation and curettage 69.01 hysterectomy—see Hysterectomy hysterotomy 74.91 insertion laminaria 69.93 prostaglandin suppository 96.49 intra-amniotic injection (saline) 75.0</td>
</tr>
<tr>
<td><strong>Abrasion</strong> corneal epithelium 11.41 for smear or culture 11.21 epicardial surface 36.39 pleural 34.6 skin 86.25</td>
</tr>
<tr>
<td><strong>Abscission, cornea</strong> 11.49</td>
</tr>
<tr>
<td><strong>Absorptiometry photon</strong> (dual) (single) 88.98</td>
</tr>
<tr>
<td><strong>Aburel operation</strong> (intra-amniotic injection for abortion) 75.0</td>
</tr>
<tr>
<td><strong>Accouchement forcé</strong> 73.99</td>
</tr>
<tr>
<td><strong>Acetabullectomy</strong> 77.85</td>
</tr>
<tr>
<td><strong>Acetabuloplasty NEC</strong> 81.40 with prosthetic implant 81.52</td>
</tr>
<tr>
<td><strong>Achillorrhaphy</strong> 83.64 delayed 83.62</td>
</tr>
<tr>
<td><strong>Achillotenotomy</strong> 83.11 plastic 83.85</td>
</tr>
<tr>
<td><strong>Achillotomy</strong> 83.11 plastic 83.85</td>
</tr>
<tr>
<td><strong>Acid peel, skin</strong> 86.24</td>
</tr>
<tr>
<td><strong>Acromionectomy</strong> 77.81</td>
</tr>
<tr>
<td><strong>Acromioplasty</strong> 81.83 for recurrent dislocation of shoulder 81.82 partial replacement 81.81 total replacement 81.80</td>
</tr>
<tr>
<td><strong>Actinotherapy</strong> 99.82</td>
</tr>
<tr>
<td><strong>Activities of daily living (ADL)</strong> therapy 93.83 training for the blind 93.78</td>
</tr>
</tbody>
</table>
Acupuncture 99.92
with smouldering moxa 93.35
for anesthesia 99.91

Adams operation
advancement of round ligament 69.22
crushing of nasal septum 21.88
excision of palmar fascia 82.35

Adenectomy -- see also Excision, by site
prostate NEC 60.69
retropubic 60.4

Adenoidectomy (without tonsillectomy) 28.6

Adhesiolysis -- see also Lysis, adhesions
for collapse of lung 33.39
middle ear 20.23

Adipectomy 86.83

Adjustment
cardiac pacemaker program
(reprogramming) -- omit code
cochlear prosthetic device (external components) 95.49
dental 99.97
gastric restrictive device (laparoscopic) 44.98
occlusal 24.8
spectacles 95.31

Administration (of) -- see also Injection
Activase® 99.10
adhesion barrier substance 99.77
Alteplase (tPA, generic) 99.10
Anistreplase (tPA, generic) 99.10
antitoxins NEC 99.58
botulism 99.57
diphtheria 99.58
gas gangrene 99.58
scarlet fever 99.58
tetanus 99.56
Bender Visual-Motor Gestalt test 94.02
Benton Visual Retention test 94.02
DrotAA 00.11
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
neuroprotective agent 99.75
psychologic test 94.02
Retavase® 99.10
Reteplase (tPA, generic) 99.10
Stanford-Binet test 94.01
Streptase® 99.10
Streptokinase (tPA, generic) 99.10
Tenecteplase (tPA, generic) 99.10
TNKase™ 99.10

Administration---Cont.
toxoid
diphtheria 99.36
with tetanus and pertussis, combined (DTP) 99.39
tetanus 99.38
with diphtheria and pertussis, combined (DTP) 99.39
vaccine -- see also Vaccination
BCG 99.33
measles-mumps-rubella (MMR) 99.48
poliomyelitis 99.41
TAB 99.32
Wechsler
Intelligence Scale (adult) (children) 94.01
Memory Scale 94.02
Xigris® 00.11

Adrenalectomy (unilateral) 07.22
with partial removal of remaining gland 07.29
bilateral 07.3
partial 07.29
subtotal 07.29
complete 07.3
partial NEC 07.29

Adrenalectomy---Cont.
remaining gland 07.3
subtotal NEC 07.29
total 07.3

Adrenalorrhaphy 07.44

Adrenolotomy (with drainage) 07.41

Advancement
extraocular muscle 15.12
multiple (with resection or recession) 15.3
eyelid muscle 08.59
eye muscle 15.12
multiple (with resection or recession) 15.3
graft -- see Graft
leaflet (heart) 35.10
pedicle (flap) 86.72
profundus tendon (Wagner) 82.51
round ligament 59.22
tendon 83.71
hand 82.51
profundus (Wagner) 82.51
Wagner (profundus tendon) 82.51

Albee operation
bone peg, femoral neck 78.05
graft for slipping patella 78.06
sliding inlay graft, tibia 78.07

Albert operation (arthrodesis of knee) 81.22

Aldridge (-Studdiford) operation
(urethral sling) 59.5

Alexander operation
prostatectomy
perineal 60.62
suprapubic 60.3
shortening of round ligaments 69.22
<table>
<thead>
<tr>
<th>Procedure</th>
<th>ICD-9-CM Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alexander-Adams operation (shortening of round ligaments)</td>
<td><strong>69.22</strong></td>
</tr>
<tr>
<td>Alimentation, parenteral</td>
<td><strong>99.29</strong></td>
</tr>
<tr>
<td>Allograft -- see Graft</td>
<td></td>
</tr>
<tr>
<td>Allmoe operation (extrapetrosal drainage)</td>
<td><strong>20.22</strong></td>
</tr>
<tr>
<td>Altemeier operation (perineal rectal pull-through)</td>
<td><strong>48.49</strong></td>
</tr>
<tr>
<td>Alveolectomy (interradicular) (intraseptal) (radical) (simple) (with graft) (with implant)</td>
<td><strong>24.5</strong></td>
</tr>
<tr>
<td>Alveoloplasty (with graft or implant)</td>
<td><strong>24.5</strong></td>
</tr>
<tr>
<td>Alveolotomy (apical)</td>
<td><strong>24.0</strong></td>
</tr>
<tr>
<td>Ambulatory cardiac monitoring (ACM)</td>
<td><strong>89.50</strong></td>
</tr>
<tr>
<td>Ammon operation (dacryocystotomy)</td>
<td><strong>09.53</strong></td>
</tr>
<tr>
<td>Amniocentesis (transuterine) (diagnostic)</td>
<td><strong>75.1</strong></td>
</tr>
<tr>
<td>with intra-amniotic injection of saline</td>
<td><strong>75.0</strong></td>
</tr>
<tr>
<td>Amniography</td>
<td><strong>87.81</strong></td>
</tr>
<tr>
<td>Amnioinfusion</td>
<td><strong>87.81</strong></td>
</tr>
<tr>
<td>Amniolysis, internal</td>
<td><strong>75.31</strong></td>
</tr>
<tr>
<td>Amniotomy</td>
<td><strong>73.09</strong></td>
</tr>
<tr>
<td>to induce labor</td>
<td><strong>73.01</strong></td>
</tr>
<tr>
<td>Amputation (cineplastic) (closed flap) (guillotine) (kineplastic) (open)</td>
<td><strong>84.91</strong></td>
</tr>
<tr>
<td>abdominopelvic</td>
<td><strong>84.19</strong></td>
</tr>
<tr>
<td>above-elbow</td>
<td><strong>84.07</strong></td>
</tr>
<tr>
<td>above-knee (AK)</td>
<td><strong>84.17</strong></td>
</tr>
<tr>
<td>ankle (disarticulation)</td>
<td><strong>84.13</strong></td>
</tr>
<tr>
<td>through malleoli of tibia &amp; fibula</td>
<td><strong>84.14</strong></td>
</tr>
<tr>
<td>arm NEC</td>
<td><strong>84.00</strong></td>
</tr>
<tr>
<td>through</td>
<td></td>
</tr>
<tr>
<td>carpal</td>
<td><strong>84.03</strong></td>
</tr>
<tr>
<td>elbow (disarticulation)</td>
<td><strong>84.06</strong></td>
</tr>
<tr>
<td>forearm</td>
<td><strong>84.05</strong></td>
</tr>
<tr>
<td>humerus</td>
<td><strong>84.07</strong></td>
</tr>
<tr>
<td>shoulder (disarticulation)</td>
<td><strong>84.08</strong></td>
</tr>
<tr>
<td>wrist (disarticulation)</td>
<td><strong>84.04</strong></td>
</tr>
<tr>
<td>upper</td>
<td><strong>84.07</strong></td>
</tr>
<tr>
<td>Batch-Spittler-McFaddin (knee disarticulation)</td>
<td><strong>84.16</strong></td>
</tr>
<tr>
<td>below-knee (BK) NEC</td>
<td><strong>84.15</strong></td>
</tr>
<tr>
<td>conversion into above-knee amputation</td>
<td><strong>84.17</strong></td>
</tr>
<tr>
<td>Boyd (hip disarticulation)</td>
<td><strong>84.18</strong></td>
</tr>
<tr>
<td>Callander's (knee disarticulation)</td>
<td><strong>84.16</strong></td>
</tr>
<tr>
<td>carpals</td>
<td><strong>84.03</strong></td>
</tr>
<tr>
<td>cervix</td>
<td><strong>67.4</strong></td>
</tr>
<tr>
<td>Chopart's (midtarsal)</td>
<td><strong>84.12</strong></td>
</tr>
<tr>
<td>clitoris</td>
<td><strong>71.4</strong></td>
</tr>
<tr>
<td>Dieffenbach (hip disarticulation)</td>
<td><strong>84.18</strong></td>
</tr>
<tr>
<td>Dupuytren's(shoulder disarticulation)</td>
<td><strong>84.08</strong></td>
</tr>
<tr>
<td>ear, external</td>
<td><strong>18.39</strong></td>
</tr>
<tr>
<td>elbow (disarticulation)</td>
<td><strong>84.06</strong></td>
</tr>
<tr>
<td>finger, except thumb</td>
<td><strong>84.01</strong></td>
</tr>
<tr>
<td>thumb</td>
<td><strong>84.02</strong></td>
</tr>
<tr>
<td>foot (middle)</td>
<td><strong>84.12</strong></td>
</tr>
<tr>
<td>forearm</td>
<td><strong>84.05</strong></td>
</tr>
<tr>
<td>forefoot</td>
<td><strong>84.12</strong></td>
</tr>
<tr>
<td>Amputation --- Cont.</td>
<td></td>
</tr>
<tr>
<td>forequarter</td>
<td><strong>84.08</strong></td>
</tr>
<tr>
<td>Gordon-Taylor (hindquarter)</td>
<td><strong>84.19</strong></td>
</tr>
<tr>
<td>Gritti-Stokes (knee disarticulation)</td>
<td><strong>84.16</strong></td>
</tr>
<tr>
<td>Guyon (ankle)</td>
<td><strong>84.13</strong></td>
</tr>
<tr>
<td>hallux</td>
<td><strong>84.11</strong></td>
</tr>
<tr>
<td>hand</td>
<td><strong>84.03</strong></td>
</tr>
<tr>
<td>Hey's (foot)</td>
<td><strong>84.12</strong></td>
</tr>
<tr>
<td>hindquarter</td>
<td><strong>84.19</strong></td>
</tr>
<tr>
<td>hip (disarticulation)</td>
<td><strong>84.18</strong></td>
</tr>
<tr>
<td>humerus</td>
<td><strong>84.07</strong></td>
</tr>
<tr>
<td>interscapulothoracic</td>
<td><strong>84.09</strong></td>
</tr>
<tr>
<td>interthoracoscapular</td>
<td><strong>84.09</strong></td>
</tr>
<tr>
<td>King-Steelquist (hindquarter)</td>
<td><strong>84.19</strong></td>
</tr>
<tr>
<td>Kirk (thigh)</td>
<td><strong>84.17</strong></td>
</tr>
<tr>
<td>knee (disarticulation)</td>
<td><strong>84.16</strong></td>
</tr>
<tr>
<td>Kutler (revision of current traumatic amputation of finger)</td>
<td><strong>84.01</strong></td>
</tr>
<tr>
<td>Larry (shoulder disarticulation)</td>
<td><strong>84.08</strong></td>
</tr>
<tr>
<td>leg NEC</td>
<td><strong>84.10</strong></td>
</tr>
<tr>
<td>above knee (AK)</td>
<td><strong>84.17</strong></td>
</tr>
<tr>
<td>below knee (BK)</td>
<td><strong>84.15</strong></td>
</tr>
<tr>
<td>through</td>
<td></td>
</tr>
<tr>
<td>ankle (disarticulation)</td>
<td><strong>84.13</strong></td>
</tr>
<tr>
<td>femur (AK)</td>
<td><strong>84.17</strong></td>
</tr>
<tr>
<td>foot</td>
<td><strong>84.12</strong></td>
</tr>
<tr>
<td>hip (disarticulation)</td>
<td><strong>84.18</strong></td>
</tr>
<tr>
<td>tibia and fibula (BK)</td>
<td><strong>84.15</strong></td>
</tr>
<tr>
<td>Lisfranc</td>
<td></td>
</tr>
<tr>
<td>foot</td>
<td><strong>84.12</strong></td>
</tr>
<tr>
<td>shoulder (disarticulation)</td>
<td><strong>84.08</strong></td>
</tr>
<tr>
<td>Littlewood (forequarter)</td>
<td><strong>84.09</strong></td>
</tr>
<tr>
<td>lower limb NEC</td>
<td></td>
</tr>
<tr>
<td>-- see also Amputation, leg</td>
<td><strong>84.10</strong></td>
</tr>
<tr>
<td>Mazet (knee disarticulation)</td>
<td><strong>84.16</strong></td>
</tr>
<tr>
<td>metacarpal</td>
<td><strong>84.03</strong></td>
</tr>
<tr>
<td>metatarsal</td>
<td><strong>84.11</strong></td>
</tr>
<tr>
<td>head (bunionectomy)</td>
<td><strong>77.59</strong></td>
</tr>
<tr>
<td>metatarsophalangeal (joint)</td>
<td><strong>84.11</strong></td>
</tr>
<tr>
<td>midtarsal</td>
<td><strong>84.12</strong></td>
</tr>
<tr>
<td>nose</td>
<td><strong>21.4</strong></td>
</tr>
<tr>
<td>penis (circle) (complete) (flap) (partial) (radical)</td>
<td><strong>64.3</strong></td>
</tr>
<tr>
<td>Pirogoff(s) (ankle amputation through malleoli of tibia and fibula)</td>
<td><strong>84.14</strong></td>
</tr>
<tr>
<td>ray</td>
<td></td>
</tr>
<tr>
<td>finger</td>
<td><strong>84.01</strong></td>
</tr>
<tr>
<td>foot</td>
<td><strong>84.11</strong></td>
</tr>
<tr>
<td>toe (metatarsal head)</td>
<td><strong>84.11</strong></td>
</tr>
<tr>
<td>root (tooth) (apex)</td>
<td><strong>23.73</strong></td>
</tr>
<tr>
<td>with root canal therapy</td>
<td><strong>23.72</strong></td>
</tr>
<tr>
<td>shoulder (disarticulation)</td>
<td><strong>84.08</strong></td>
</tr>
<tr>
<td>Sorondo-Ferre (hindquarter)</td>
<td><strong>84.19</strong></td>
</tr>
<tr>
<td>S. P. Rogers (knee disarticulation)</td>
<td><strong>84.16</strong></td>
</tr>
<tr>
<td>supracondyly above-knee</td>
<td><strong>84.17</strong></td>
</tr>
<tr>
<td>supramalleolar, foot</td>
<td><strong>84.14</strong></td>
</tr>
<tr>
<td>Syme's (ankle amputation through malleoli of tibia and fibula)</td>
<td><strong>84.14</strong></td>
</tr>
</tbody>
</table>
Amputation—Cont.
- thigh 84.17
- thumb 84.02
- toe (through metatarsophalangeal joint) 84.11
- transcarpal 84.03
- transmetatarsal 84.12
- upper limb NEC—see also Amputation, arm 84.00
- wrist (disarticulation) 84.04

Amygdalohippocampotomy 01.39

Amygdalotomy 01.39

Analysis
- cardiac rhythm device (CRT-D) (CRT-P)
  (AICD) (pacemaker) — see Interrogation character 94.03
- gastric 89.39
- psychologic 94.31
- transactional
  group 94.44
  individual 94.39

Anastomosis
- abdominal artery to coronary artery 36.17
- accessory-facial nerve 04.72
- accessory-hypoglossal nerve 04.73
- anus (with formation of endorectal ileal pouch) 45.95
- aorta (descending)-pulmonary(artery) 39.0
- aorta-renal artery 39.24
- aorta-subclavian artery 39.22
- aortoceliac 39.26
- aorto(ilio)femoral 39.25
- aortomesenteric 39.26
- appendix 47.99
- arteriovenous NEC 39.29
- for renal dialysis 39.27
- artery (suture of distal to proximal end) 39.31
  with
  bypass graft 39.29
  extracranial-intracranial[EC-IC] 39.28
  excision or resection of vessel
  — see Arterectomy, with anastomosis, by site
  revision 39.49
- bile ducts 51.39
- bladder NEC 57.88
  with
  isolated segment of intestine 57.87 [45.50]
  colon (sigmoid) 57.87 [45.52]
  ileum 57.87 [45.51]
  open loop of ileum 57.87 [45.51]
  to intestine 57.88
  ileum 57.87 [45.51]
  bowel—see also Anastomosis, intestine 45.90
  bronchotracheal 33.48

Anastomosis—Cont.
- bronchus 33.48
- carotid-subclavian artery 39.22
- caval-mesenteric vein 39.1
- caval-pulmonary artery 39.21
- cervicosophageal 42.59
- colohypopharyngeal (intrathoracic) 42.55
  antesternal or antethoracic 42.65
- common bile duct 51.39
- common pulmonary trunk and left atrium (posterior wall) 35.82
- cystic bile duct 51.39
- cystolic 57.88
- epididymis to vas deferens 63.83
- esophagocolic (intrathoracic) NEC 42.56
  with interposition 42.55
  antesternal or antethoracic NEC 42.66
  with interposition 42.65
- esophagocologastric (intrathoracic) 42.55
  antesternal or antethoracic 42.65
- esophagoduodenal(intrathoracic)NEC 42.54
  with interposition 42.53
- esophagoenteric (intrathoracic) NEC
  — see also Anastomosis, esophagus, to intestinal segment 42.54
  antesternal or antethoracic NEC — see also Anastomosis, esophagus, antesternal, to intestinal segment 42.64
- esphagoesophageal (intrathoracic) 42.51
  antesternal or antethoracic 42.61
- esophagogastroduodenal (intrathoracic) NEC 42.54
  with interposition 42.53
- gastrectomy (partial) 43.5
- complete or total 43.99
- interposition (of) NEC 42.58
  colon 42.55
  jejunum 42.53
- small bowel 42.53
- antesternal or antethoracic NEC 42.69
  with
  interposition (of) NEC 42.68
  colon 42.65
  jejunum loop 42.63
  small bowel 42.63
  rubber tube 42.68
  to intestinal segment NEC 42.64
  with interposition 42.68
  colon NEC 42.66
  with interposition 42.65
- small bowel NEC 42.64
  with interposition 42.63
- to intestinal segment(intrathoracic) NEC 42.54
  with interposition 42.58
Anastomosis—Cont.

- antesternal or antethoracic NEC 42.64
  - with interposition 42.68
- colon (intrathoracic) NEC 42.56
  - with interposition 42.55
  - antesternal or antethoracic 42.66
    - with interposition 42.65
- small bowel NEC 42.54
  - with interposition 42.53
  - antesternal or antethoracic 42.64
    - with interposition 42.63
- facial-accessory nerve 04.72
- facial-hypoglossal nerve 04.71
- fallopian tube 66.73
  - by reanastomosis 66.79
- gallbladder 51.35
  - to
    - hepatic ducts 51.31
    - intestine 51.32
    - pancreas 51.33
    - stomach 51.34
- gastroepiploic artery to coronary artery 36.17
- hepatic duct 51.39
- hypoglossal-accessory nerve 04.73
- hypoglossal-facial nerve 04.71
- ileal loop to bladder 57.87 [45.51]
- ileal pouch (bladder) 56.51
- ileoanal 45.95
- ileorectal 45.93
- inferior vena cava and portal vein 39.1
- internal mammary artery (to)
  - coronary artery (single vessel) 36.15
    - double vessel 36.16
  - myocardium 36.2
- intestine 45.90
  - large-to-anus 45.95
  - large-to-large 45.94
  - large-to-rectum 45.94
  - large-to-small 45.93
  - small-to-anus 45.95
  - small-to-large 45.93
  - small-to-rectal stump 45.92
  - small-to-small 45.91
- intrahepatic 51.79
- intrathoracic vessel NEC 39.23
- kidney (pelvis) 55.86
- lacrimal sac to conjunctiva 09.82
- left-to-right (systemic-pulmonary artery) 39.0
- lymphatic (channel) (peripheral) 40.9
- mesenteric-caval 39.1
- mesocaval 39.1
- nasolacrimal 09.81
- nerve (cranial) (peripheral) NEC 04.74
  - accessory-facial 04.72
  - accessory-hypoglossal 04.73
  - hypoglossal-facial 04.71

Anastomosis—Cont.

- pancreas (duct) (to) 52.96
  - bile duct 51.39
  - gall bladder 51.33
  - intestine 52.96
  - jejunum 52.96
  - stomach 52.96
- pleurothecal (with valve) 03.79
- portacaval 39.1
- portal vein to inferior vena cava 39.1
- pulmonary-aortic (Pott's) 39.0
- pulmonary artery and superior vena cava 39.21
- pulmonary-innominate artery (Blalock) 39.0
- pulmonary-subclavian artery (Blalock-Taussig) 39.0
- pulmonary vein andazygos vein 39.23
- pyeloileocutaneous 56.51
- pyeloureterovesical 55.86
- radial artery 36.19
- rectum, rectal NEC 48.74
  - stump to small intestine 45.92
  - renal (pelvis) 55.86
    - vein and splenic vein 39.1
    - renoportal 39.1
    - salpingothecal (with valve) 03.79
    - splenic to renal veins 39.1
    - splenorenal (venous) 39.1
    - arterial 39.26
- subarachnoid-peritoneal (with valve) 03.71
- subarachnoid-ureteral (with valve) 03.72
- subclavian-aortic 39.22
- superior vena cava to pulmonary artery 39.21
- systemic-pulmonary artery 39.0
- thoracic artery (to)
  - coronary artery (single) 36.15
    - double 36.16
  - myocardium 36.2
- ureter (to) NEC 56.79
  - bladder 56.74
  - colon 56.71
  - ileal pouch (bladder) 56.51
  - ileum 56.71
  - intestine 56.71
  - skin 56.61
- ureterocalyceal 55.86
- ureterocolic 56.71
- ureterovesical 56.74
- urethra (end-to-end) 58.44
- vas deferens 63.82
- veins (suture of proximal to distal end)
  - (with bypass graft) 39.29
  - with excision or resection of vessel
    -- see Phlebectomy, with
    anastomosis, by site
Anastomosis - veins ---Cont.
mesenteric to vena cava 39.1
portal to inferior vena cava 39.1
revision 39.49
splenic and renal 39.1
ventricle, ventricular (intracerebral) (with valve) -- see also Shunt, ventricular 02.2
ventriculoatrial (with valve) 02.32
ventriculocaval (with valve) 02.32
ventriculomastoid (with valve) 02.31
ventriculopleural (with valve) 02.33
vesicle -- see Anastomosis, bladder

Anderson operation (tibial lengthening) 78.37

Anel operation (dilation of lacrimal duct) 09.42

Anesthesia
acupuncture for 99.91
cryoanalgesia nerve (cranial) (peripheral) 04.2
spinal -- omit code

Aneurysmectomy 38.60
with
anastomosis 38.30
abdominal
artery 38.36
vein 38.37
aorta (arch)(ascending)(descending) 38.34
head and neck NEC 38.32
intracranial NEC 38.31
lower limb
artery 38.38
vein 38.39
thoracic NEC 38.35
upper limb (artery) (vein) 38.33
graft replacement (interposition) 38.40
abdominal
aorta 38.44
artery 38.46
vein 38.47
aorta (arch)(ascending)(descending) thoracic
abdominal 38.44
thoracic 38.45
thoracoabdominal 38.45 [38.44]
head and neck NEC 38.42
intracranial NEC 38.41
lower limb
artery 38.48
vein 38.49
thoracic NEC 38.45
upper limb (artery) (vein) 38.43
abdominal
artery 38.66
vein 38.67
aorta (arch) (ascending) (descending) 38.64

Aneurysmectomy ---Cont.
atrial, auricular 37.32
head and neck NEC 38.62
heart 37.32
intracranial NEC 38.61
lower limb
artery 38.68
vein 38.69
sinus of Valsalva 35.39
thoracic NEC 38.65
upper limb (artery) (vein) 38.63
ventricle (myocardium) 37.32

Aneurysmorrhaphy NEC 39.52
by or with
anastomosis -- see Aneurysmectomy,
with anastomosis, by site
clipping 39.51
coaagulation 39.52
electrocoagulation 39.52
endoavascular graft
abdominal aorta 39.71
lower extremity artery(s) 39.79
thoracic aorta 39.73
upper extremity artery(s) 39.79
excision or resection -- see also
Aneurysmectomy, by site
with
anastomosis -- see Aneurysmectomy,
with anastomosis, by site
graft replacement -- see
Aneurysmectomy, with graft replacement, by site
filipuncture 39.52
graft replacement -- see Aneurysmectomy,
with graft replacement, by site
methyl methacrylate 39.52
suture 39.52
wiring 39.52
wrapping 39.52
Matas' 39.52

Aneurysmolytom -- see Aneurysmectomy

Angiectomy
with
anastomosis 38.30
abdominal
artery 38.36
vein 38.37
aorta (arch) (ascending)
(descending) 38.34
head and neck NEC 38.42
intracranial NEC 38.41
lower limb
artery 38.48
vein 38.49
thoracic NEC 38.45
upper limb (artery) (vein) 38.43
abdominal
artery 38.66
vein 38.67
aorta (arch) (ascending) (descending) 38.64

Angioplasty
--- see Angiectomy

Angioplasty
--- see Angiectomy

Angioplasty
--- see Angiectomy

Angioplasty
--- see Angiectomy

Angioplasty
--- see Angiectomy

Angioplasty
--- see Angiectomy

Angioplasty
--- see Angiectomy

Angioplasty
--- see Angiectomy
Angiectomy — with —— Cont. ——
graft replacement (interposition)

38.40
abdominal
aorta 38.44
artery 38.46
vein 38.47
aorta (arch) (ascending)
(descending thoracic)
abdominal 38.44
thoracic 38.45
thoracoabdominal 38.45 [38.44]
head and neck NEC 38.42
intracranial NEC 38.41
lower limb
artery 38.48
vein 38.49
thoracic vessel NEC 38.45
upper limb (artery) (vein) 38.43

Angiocardiography (selective) 88.50

- carbon dioxide (negative contrast) 88.58
- combined right and left heart 88.54
- left heart (aortic valve) (atrium) (ventricle)
  (ventricular outflow tract) 88.53
- combined with right heart 88.54
- right heart (atrium) (pulmonary valve)
  (ventricle) (ventricular outflow tract) 88.52
- combined with left heart 88.54
- vena cava (inferior) (superior) 88.51

Angiography (arterial) — see also
Arteriography 88.40
by radioisotope —— see Scan,
radioisotope, by site
by ultrasound —— see Ultrasonography,
by site
basilar 88.41
brachial 88.49
carotid (internal) 88.41
celiac 88.47
cerebral (posterior circulation) 88.41
intra-abdominal NEC 88.47
intracranial 88.41
intra-thoracic vessels NEC 88.44
lower extremity NEC 88.48
neck 88.41
placenta 88.46
pulmonary 88.43
renal 88.45
specified artery NEC 88.49
transfemoral 88.48
upper extremity NEC 88.49
veins —— see Phlebography
vertebral 88.41

Angioplasty (laser) —— see also Repair, blood vessel

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.

- balloon (percutaneous transluminal) NEC 39.50
  coronary artery 00.66
  coronary 36.09
  open chest approach 36.03
  percutaneous transluminal (balloon) 00.66

- percutaneous transluminal (balloon)
  (single vessel)
  basilar 00.61
  carotid 00.61
  cerebral (intracranial) 00.62
  cerebrovascular
  cerebral (intracranial) 00.62
  precerebral (extracranial) 00.61
  carotid 00.61
  coronary (balloon)) 00.66
  femoropopliteal 39.50
  iliac 39.50
  lower extremity NOS 39.50
  mesenteric 39.50
  peripheral NEC 39.50
  precerebral (extracranial) 00.61
  carotid 00.61
  renal 39.50
  subclavian 39.50
  upper extremity NOS 39.50
  vertebral 00.61

- specified site NEC 39.50
  cerebrovascular
  cerebral (intracranial) 00.62
  precerebral (extracranial) 00.61
  peripheral 39.50

Angiorrhaphy 39.30
artery 39.31
vein 39.32

Angioscopy, percutaneous 38.22
eye (fluorescein) 95.12

Angiotomy 38.00
abdominal
artery 38.06
vein 38.07
aorta (arch) (ascending) (descending) 38.04
head and neck NEC 38.02
intracranial NEC 38.01
lower limb
artery 38.08
vein 38.09
thoracic NEC 38.05
upper limb (artery) (vein) 38.03
Angiotripsy 39.98
Ankylosis, production of -- see Arthrodesis
Anuloplasty (heart) (posteromedial) 35.33
Anoplasty 39.46
Anoscopy 49.21
Antibiogram --see Examination, microscopic
Antiembolic filter, vena cava 38.7
Antiphobic treatment 94.39
Antrectomy mastoid 20.49
maxillary 22.39
radical 22.31
pyloric 43.6
Antrostomy -- see Antrotomy
Antrotomy (exploratory) (nasal sinus) 22.2
Caldwell-Luc (maxillary sinus) 22.39
with removal of membrane lining 22.31
intranasal 22.2
with external approach (Caldwell-Luc) 22.39
radical 22.31
maxillary (simple) 22.2
with Caldwell-Luc approach 22.39
with removal of membrane lining 22.31
external (Caldwell-Luc approach) 22.39
with removal of membrane lining 22.31
radical (with removal of membrane lining) 22.31
Antrum window operation -- see Antrotomy, maxillary
Aorticopulmonary window operation 39.59
Aortogram, aortography (abdominal) (retrograde) (selective) (translumbar) 88.42
Aortoplasty (aortic valve) (gusset type) 35.11
Aortotomy 38.04
Apexcardiogram (with ECG lead) 89.57
Apheresis, therapeutic - see category 99.7
Apicectomy lung 32.3
petrous pyramid 20.59
tooth (root) 23.73
with root canal therapy 23.72
Apicoectomy 23.73
with root canal therapy 23.72
Apicolysis (lung) 33.39
Apicostomy, alveolar 24.0
Aponeurectomy 83.42
hand 82.33
Aponeurorrhaphy -- see also Suture, tendon 83.64
hand - see also Suture, tendon, hand 82.45
Aponeurotomy 83.13
hand 82.11

Appendectomy (with drainage) 47.09
 incidental 47.19
 laparoscopic 47.11
 laparoscopic 47.01
Appendicectomy (with drainage) 47.09
 incidental 47.19
 laparoscopic 47.11
 laparoscopic 47.01
Appendicocecostomy 47.91
Appendicoenterostomy 47.91
Appendicolysis 54.59
 with appendectomy 47.09
 laparoscopic 47.01
 other 47.09
 laparoscopic 54.51
Appendicostomy 47.91
 closure 47.92
Appendicotomy 47.2
Application
 adhesion barrier substance 99.77
 anti-shock trousers 93.58
 arch bars (orthodontic) 24.7
 for immobilization (fracture) 93.55
 barrier substance, adhesion 99.77
 Barton’s tongs (skull) (with synchronous skeletal traction) 02.94
 bone growth stimulator (surface) (transcutaneous) 99.86
 bone morphogenetic protein (Infuse ™) (OP-1™) (recombinant) (rhBMP) 84.52
 Bryant’s traction 93.44
 with reduction of fracture or dislocation
 -- see Reduction, fracture and Reduction, dislocation
 Buck’s traction 93.46
 caliper tongs (skull) (with synchronous skeletal traction) 02.94
 cast (fiberglass) (plaster) (plastic) NEC 93.53
 with reduction of fracture or dislocation
 -- see Reduction, fracture and Reduction, dislocation
 spica 93.51
 cervical collar 93.52
 with reduction of fracture or dislocation
 -- see Reduction, fracture and Reduction, dislocation
 clamp, cerebral aneurysm (Crutchfield) (Silverstone) 39.51
 croupette, croup tent 93.94
 crown (artificial) 23.41
 Crutchfield croup tent 93.94
 Dunlop’s traction 93.44
 with reduction of fracture or dislocation
 -- see Reduction, fracture and Reduction, dislocation
 elastic stockings 93.59
 electronic gaiter 93.59
Application---Cont.

external fixator device (bone) 78.10
carpal, metacarpal 78.14
clavicle 78.11
computer assisted (dependent) 84.73
femur 78.15
fibula 78.17
humerus 78.12
hybrid device or system 84.73
Ilizarov type 84.72
monoplanar system or device 84.71
patella 78.16
pelvic 78.19
phalanges (foot) (hand) 78.19
radius 78.13
ring device or system 84.72
scapula 78.11
Sheffield type 84.72
specified site NEC 78.19
tarsal, metatarsal 78.18
thorax (ribs) (sternum) 78.11
tibia 78.17
ulna 78.13
vertebrae 78.19

forceps, with delivery --see Delivery, forceps
graft -- see Graft
gravity (G-) suit 93.59
intermittent pressure device 93.59
Jewett extension brace 93.59
Jobst pumping unit (reduction of edema) 93.59
Lyman Smith traction 93.44
skeletal NEC 93.44
intermittent 93.43
skin, limbs NEC 93.46
spinal NEC 93.42

Russell's traction 93.44
-- see Reduction, fracture and dislocation

Adhesive tape (skin) 93.46
boots 93.46
Bryant's 93.44
Buck's 93.46
Cotrel's 93.42
Dunlop's 93.44
gallows 93.46
Lyman Smith 93.44
Russell's 93.44
skeletal NEC 93.44
intermittent 93.43
skin, limbs NEC 93.46
spinal NEC 93.42

Russell's traction 93.44
-- see Reduction, fracture and dislocation

with skull device (halo)(caliper)
(Crutchfield) (Gardner-Wells) (Vinke) (tongs) 93.41
with synchronous insertion 02.94
Thomas' splint 93.45
Unna's paste boot 93.53
vasopneumatic device 93.58
Velpeau dressing 93.59
Vinke tongs (skull) (with synchronous skeletal traction) 02.94
wound dressing NEC 93.57

Aquapheresis 99.78

Arc lamp -- see Photocoagulation

Arrest

gene growth (epiphyseal) 78.20
by stapling -- see Stapling, epiphyseal plate
femur 78.25
fibula 78.27
humerus 78.22
radius 78.23
tibia 78.27
ulna 78.23

cardiac, induced (anoxic) (circulatory) 39.63
circulatory, induced (anoxic) 39.63
hemorrhage -- see Control, hemorrhage
Arslan operation (fenestration of inner ear) 20.61

Arterectomy 38.60
with
  anastomosis 38.30
  abdominal 38.36
  aorta (arch) (ascending) 
    (descending) 38.34
  head and neck NEC 38.32
  intracranial NEC 38.31
  lower limb 38.38
  thoracic NEC 38.35
  upper limb 38.33
  graft replacement (interposition) 38.40
  abdominal
    aorta 38.44
    aorta (arch) (ascending)
      (descending thoracic)
        (thoracic)
          abdominal 38.44
          thoracic 38.45
          thoracoabdominal 38.45 [38.44]
          head and neck NEC 38.42
          intracranial NEC 38.41
          lower limb 38.48
          thoracic NEC 38.45
          upper limb 38.43
  abdominal 38.66
  aorta (arch) (ascending) (descending) 38.64
  head and neck NEC 38.62
  intracranial NEC 38.61
  lower-limb 38.68
  thoracic NEC 38.65
  upper limb 38.63

Arteriography (contrast) (fluoroscopic) (retrograde) 88.40
by
  radioisotope -- see Scan, radioisotope
  ultrasound (Doppler)
    -- see Ultrasonography, by site
  aorta (arch) (ascending) (descending) 88.42
  basilar 88.41
  brachial 88.49
  carotid (internal) 88.41
  cerebral (posterior circulation) 88.41
  coronary (direct) (selective) NEC 88.57
  double catheter technique (Judkins)
    (Ricketts and Abrams) 88.56
  single catheter technique (Sones) 88.55
  Doppler (ultrasonic) -- see Ultrasonography, by site
  femoral 88.48
  head and neck 88.41
  intra-abdominal NEC 88.47
  intrathoracic NEC 88.44
  lower extremity 88.48
  placenta 88.46
  pulmonary 88.43

Arteriography -- Cont.
  radioisotope -- see Scan, radioisotope
  renal 88.45
  specified site NEC 88.49
  superior mesenteric artery 88.47
  transfemoral 88.48
  ultrasound -- see Ultrasonography, by site
  upper extremity 88.49

Arterioplasty -- see Repair, artery

Arteriorrhaphy 39.31

Arteriotomy 38.00
  abdominal 38.06
  aorta (arch) (ascending) (descending) 38.04
  head and neck NEC 38.02
  intracranial NEC 38.01
  lower limb 38.08
  thoracic NEC 38.05
  upper limb 38.03

Arteriovenostomy 39.29
  for renal dialysis 39.27

Arthrectomy 80.90
  ankle 80.97
  elbow 80.92
  foot and toe 80.98
  hand and finger 80.94
  hip 80.95
  intervertebral disc -- see category 80.5
  knee 80.96
  semilunar cartilage 80.6
  shoulder 80.91
  specified site NEC 80.99
  spine NEC 80.99
  wrist 80.93

Arthrocentesis 81.91
  for arthrography -- see Arthrogram

Arthrodesis (compression) (extra-articular)
  (extra-articular) (with bone graft) (with fixation device) 81.20
  ankle 81.11
  carporadial 81.25
  cricoarytenoid 31.69
  elbow 81.24
  finger 81.28
  foot NEC 81.17
  hip 81.21
  interphalangeal
    finger 81.28
    toe NEC 77.58
    claw toe repair 77.57
    hammer toe repair 77.56
  ischiofemoral 81.21
  knee 81.22
  lumbosacral, lumbar NEC 81.08
  ALIF (anterior lumbar interbody fusion) 81.06
  anterior (interbody), anterolateral
    technique 81.06
  lateral transverse process technique 81.07
### Arthrodesis
- lumbosacral, lumbar --- Cont.
  - PLIF (posterior lumbar interbody fusion) 81.08
  - posterior (interbody), posterolateral technique 81.08
  - TLIF (transforaminal lumbar interbody fusion) 81.08
- McKeever (metatarsophalangeal) 81.16
- metacarpocarpal 81.26
- metacarpophalangeal 81.27
- metatarsophalangeal 81.16
- midtarsal 81.14
- plantar 81.11
- sacroiliac 81.08
- shoulder 81.23
- specified joint NEC 81.29
- spinal -- see also Fusion, spinal 81.00
- subtalar 81.13
- tarsometatarsal 81.15
- tibiotalar 81.11
- toe NEC 77.58
  - claw toe repair 77.57
  - hammer toe repair 77.56
- triple 81.12
- wrist 81.26

### Arthroendoscopy
- -- see Arthroscopy

### Arthroereisis
- subtalar joint 81.18

### Arthrogram, arthrography
- 88.32
- temporomandibular 76.5

### Arthrolysis
- 93.26

### Arthroplasty
- (with fixation device) (with traction) 81.96
- ankle 81.49
- carpals 81.75
  - with prosthetic implant 81.74
- carpal, carpometacarpal 81.75
  - with prosthetic implant 81.74
- Carroll and Taber (proximal interphalangeal joint) 81.72
- cup (partial hip) 81.52
- Curtis (interphalangeal joint) 81.72
- elbow 81.85
  - with prosthetic replacement (total) 81.84
- femoral head NEC 81.40
  - with prosthetic implant 81.52
- finger(s) 81.72
  - with prosthetic implant 81.71
- foot (metatarsal) with joint replacement 81.57
- Fowler (metacarpophalangeal joint) 81.72
- hand (metacarpophalangeal) (interphalangeal) 81.72
  - with prosthetic implant 81.71
- hip (with bone graft) 81.40
  - cup (partial hip) 81.52
- femoral head NEC 81.40
  - with prosthetic implant 81.52
  - with total replacement 81.51

### Arthroplasty - hip
- partial replacement 81.52
- total replacement 81.51
- interphalangeal joint 81.72
  - with prosthetic implant 81.71
- Kessler (carpometacarpal joint) 81.74
- knee -- see also Repair, knee 81.47
  - prosthetic replacement
    - (bicompartamental) (hemijoint)
    - (partial) (total) (tricompartmental)
    - (unicompartamental) 81.54
  - revision 81.85
- metacarpophalangeal joint 81.72
  - with prosthetic implant 81.71
- shoulder 81.83
  - prosthetic replacement (partial) 81.81
  - total 81.80
  - for recurrent dislocation 81.82
- temporomandibular 76.5
- toe NEC 77.58
  - with prosthetic replacement 81.57
  - for hallux valgus repair 77.59
- wrist 81.75
  - with prosthetic implant 81.74
  - total replacement 81.73

### Arthroscopy
- 80.20
- ankle 80.27
- elbow 80.22
- finger 80.24
- foot 80.28
- hand 80.24
- hip 80.25
- knee 80.26
- shoulder 80.21
- specified site NEC 80.29
- toe 80.28
- wrist 80.23

### Arthrostomy
- -- see also Arthrotomy 80.10

### Arthrotomy
- 80.10
  - as operative approach -- omit code
  - with
    - arthography -- see Arthrogram
    - arthroscopy -- see Arthroscopy
    - injection of drug 81.92
    - removal of prosthesis -- see also
      - Removal, prosthesis, joint structures 80.00
- ankle 80.17
- elbow 80.12
- foot and toe 80.18
- hand and finger 80.14
- hip 80.15
- knee 80.16
- shoulder 80.11
- specified site NEC 80.19
- spine 80.19
- wrist 80.13
Artificial
  insemination 69.92
  kidney 39.95
  rupture of membranes 73.09
Arytenoidectomy 30.29
Arytenoidopexy 31.68
Asai operation (larynx) 31.75

Aspiration
  abscess -- see Aspiration, by site
  anterior chamber, eye (therapeutic) 12.91
diagnostic 12.21
  aqueous (eye) (humor) (therapeutic) 12.91
diagnostic 12.21
  ascites 54.91
  Bartholin's gland (cyst) (percutaneous) 71.21
  biopsy -- see Biopsy, by site
  bladder (catheter) 57.0
  percutaneous (needle) 57.11
  bone marrow (for biopsy) 41.31
  from donor for transplant 41.91
  stem cell 99.79
  branchial cleft cyst 29.0
  breast 85.91
  bronchus 96.05
  with lavage 96.56
  bursa (percutaneous) 83.94
  hand 82.92
  calculus, bladder 57.0
  cataract 13.3
  with
  phacoemulsification 13.41
  phacofragmentation 13.43
  posterior route 13.42
  chest 34.91
  cisternal 01.01
  cranial (puncture) 01.09
  craniobuccal pouch 07.72
  cul-de-sac (abscess) 70.0
  curettage, uterus 69.59
  after abortion or delivery 69.52
diagnostic 69.59
  to terminate pregnancy 69.51
  cyst -- see Aspiration, by site
  diverticulum, pharynx 29.0
  endotracheal 96.04
  with lavage 96.56
  extradural 01.09
  eye (anterior chamber) (therapeutic) 12.91
diagnostic 12.21
  fallopian tube 66.91
  fascia 83.95
  hand 82.93
  gallbladder (percutaneous 51.01
  hematoma -- see also Aspiration, by site
  obstetrical 75.92
  incisional 75.91

Aspiration -- Cont.
  hydrocele, tunica vaginalis 61.91
  hygroma -- see Aspiration, by site
  hyphema 12.91
  hypophysis 07.72
  intracranial space (epidural) (extradural)
  (subarachnoid) (subdural)
  (ventricular) 01.09
  through previously implanted catheter
  or reservoir (Ommaya) (Rickham) 01.02
  joint 81.91
  for arthrography -- see Arthrogram
  kidney (cyst) (pelvis) (percutaneous)
  (therapeutic) 55.92
  diagnostic 55.23
  liver (percutaneous 50.91
  lung (percutaneous) (puncture) (needle)
  (trocar) 33.93
  middle ear 20.09
  with intubation 20.01
  muscle 83.95
  hand 82.93
  nail 86.01
  nasal sinus 22.00
  by puncture 22.01
  through natural ostium 22.02
  nasotracheal 96.04
  with lavage 96.56
  orbit, diagnostic 16.22
  ovary 65.91
  percutaneous -- see Aspiration, by site
  pericardium (wound) 37.0
  pituitary gland 07.72
  pleural cavity 34.91
  prostate (percutaneous) 60.91
  Rathke's pouch 07.72
  seminal vesicles 60.71
  seroma -- see Aspiration, by site
  skin 86.01
  soft tissue NEC 83.95
  hand 82.93
  spermatocele 63.91
  spinal (puncture) 03.31
  spleen (cyst) 41.1
  stem cell 99.79
  subarachnoid space (cerebral) 01.09
  subcutaneous tissue 86.01
  subdural space (cerebral) 01.09
  tendon 83.95
  hand 82.93
  testis 62.91
  thymus 07.92
  thyroid (field) (gland) 06.01
  postoperative 06.02
  trachea 96.04
  with lavage 96.56
  percutaneous 31.99
Aspiration—Cont.
tunica vaginalis (hydrocele) (percutaneous) 61.91
vitreous (and replacement) 14.72
diagnostic 14.11

Assessment
fitness to testify 94.11
mental status 94.11
nutritional status 89.39
personality 94.03
temperament 94.02
vocational 93.85

Assistance
cardiac -- see also Resuscitation, cardiac extracorporeal circulation 39.61
endotracheal respiratory -- see category 96.7
hepatic, extracorporeal 50.92
respiratory (endotracheal) (mechanical) -- see Ventilation, mechanical 96.7

Asymmetrogammagram
-- see Scan, radioisotope

Atherectomy
cerebrovascular - see angioplasty coronary -- see Angioplasty peripheral 39.50

Atriocommissuroplasty (mitral valve) 35.12

Atrioplastic NEC 37.99
combined with repair of valvular and ventricular septal defects -- see Repair, endocardial cushion defect septum (heart) NEC 35.71

Atrioseptotectomy -- see also Repair, atrial septal defect 35.71

Atrioseptoplasty -- see also Repair, atrial septal defect 35.71

Atrioseptostomy (balloon) 35.41

Atriotomy 37.11

Atrioventriculotomy (cerebral-heart) 02.32

Attachment
eye muscle
orbicularis oculi to eyebrow 08.36
rectus to frontalis 15.9
pedicle (flap) graft 86.74
hand 86.73
lip 27.57
mouth 27.57
pharyngeal flap (for cleft palate repair) 27.62
secondary or subsequent 27.63
retina -- see Reattachment, retina

Atticoantrostomy (ear) 20.49
Atticoantrotomy (ear) 20.49
Atticotom (ear) 20.23

Audiometry (Bekesy 5-tone) (impedance) (stapedial reflex response) (subjective) 95.41

Augmentation
bladder 57.87
breast -- see Mammoplasty, augmentation buttock ("fanny-lift") 86.89
chin 76.68
genioplasty 76.68
mammoplasty -- see Mammoplasty, augmentation outflow tract (pulmonary valve) (gusset type) 35.26
in total repair of tetralogy of Fallot 35.81
vocal cord(s) 31.0

Auriculectomy 18.39

Autograft -- see Graft

Autologous -- see Blood, transfusion

Autopsy 89.8

Autotransfusion (whole blood) 99.02
-- see Blood, transfusion

Autotransplant, autotransplantation
-- see also Reimplantation adrenal tissue (heterotopic) (orthotopic) 07.45
kidney 55.61
lung -- see Transplant, transplantation, lung 33.5
ovary 65.72
laparoscopic 65.75
pancreatic tissue 52.81
parathyroid tissue (heterotopic) (orthotopic) 06.95
thyroid tissue (heterotopic) (orthotopic) 06.94
tooth 23.5

Avulsion, nerve (cranial) (peripheral) NEC 04.07
acoustic 04.01
phrenic 33.61
sympathetic 05.29

Azygography 88.63
Bacterial smear -- see Examination, microscopic

Baffles operation (interatrial transposition of venous return) 35.91

Baffle, atrial or interatrial 35.91

Balloon angioplasty -- see Angioplasty, balloon pump, intra-aortic 37.61

Balloonectomy (atrial) 35.41

Balloon operation
herniorrhaphy--see Repair, hernia, inguinal undercutting 49.02

Bandage 93.37
elastic 93.56

Bandagegeschirr 93.57

Bandagegeschirr
elastic 93.56

Banding

gastric 44.68
vertical 44.68

Banding

pulmonary artery 38.85

Bankhart operation (capsular repair into glenoid, for shoulder dislocation) 81.82

Banki operation (lavage of bowel) 81.82

Barium swallow 87.61

Barkan operation (goniotomy) 12.52

with goniopture 12.53

Barr operation (transfer of tibialis posterior tendon) 83.75

Barr operation

lateral 83.75

Barnby operation (capsular repair into glenoid, for shoulder dislocation) 81.82

Barrett operation (partial gastrectomy with gastroduodenostomy) 43.6

Barr operation

lateral 83.75

Basal metabolic rate 89.39

Basal metabolic rate

Basiotripsy 73.8

Bassett operation (vulvectomy with inguinal lymph node dissection) 71.5 [40.3]

Bassini operation--see Repair, hernia, inguinal

Batch-Spittler-McFaddin operation (knee disarticulation) 84.16

Batista operation (partial ventriculotomy) (ventricular reduction) (ventricular remodeling) 37.35

Bearing surface, hip replacement

ceramic-on-ceramic 00.76

ceramic-on-polyethylene 00.77

metal-on-metal 00.75

metal on polyethylene 00.74

Beck operation
aorta-coronary sinus shunt 36.39
epicardial poudrage 36.39

Beck-Jianu operation (permanent gastrostomy) 43.19

Behavior modification 94.33

Bell-Beuttner operation (subtotal abdominal hysterectomy) 68.39
laparoscopic 68.31

Belsey operation (esophagogastric sphincter) 44.65

Benenenti operation (rotation of bulbous urethra) 58.49

Berke operation (levator resection of eyelid) 08.33

Bicuspization of heart valve 35.10

aortic 35.11
mitral 35.12

Bicycle dynamometer 93.10

Billroth I operation (partial gastrectomy with gastroduodenostomy) 43.6

Billroth II operation (partial gastrectomy with gastrojejunostomy) 43.7

Binnie operation (hepatopexy) 50.69

Biocapture, psychotherapy 94.39

Biopsy

abdominal wall 54.22
adenoid 28.11
adrenal gland NEC 07.11
closed 07.11
open 07.12
percutaneous (aspiration) (needle) 07.11

alveolus 24.12
anus 49.23
appendix 45.26
artery (any site) 38.21
aspiration -- see Biopsy, by site

bile ducts 51.14
closed (endoscopic) 51.14
open 51.13
percutaneous (needle) 51.12

bladder 57.33
closed 57.33
open 57.34
transurethral 57.33
blood vessel (any site) 38.21
bone 77.40
carpal, metacarpal 77.44
clavicle 77.41
facial 76.11
femur 77.45
fibula 77.47
<table>
<thead>
<tr>
<th>Biopsy - Bone --- Cont.</th>
<th>Biopsy --- Cont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>humerus 77.42</td>
<td>ear (external) 18.12</td>
</tr>
<tr>
<td>marrow 41.31</td>
<td>middle or inner 20.32</td>
</tr>
<tr>
<td>patella 77.46</td>
<td>endocervix 67.11</td>
</tr>
<tr>
<td>pelvic 77.49</td>
<td>endometrium NEC 68.16</td>
</tr>
<tr>
<td>phalanges (foot) (hand) 77.49</td>
<td>by</td>
</tr>
<tr>
<td>radius 77.43</td>
<td>aspiration curettage 69.59</td>
</tr>
<tr>
<td>scapula 77.41</td>
<td>dilation and curettage 69.09</td>
</tr>
<tr>
<td>specified site NEC 77.49</td>
<td>closed (endoscopic) 68.16</td>
</tr>
<tr>
<td>tarsal, metatarsal 77.48</td>
<td>open 68.13</td>
</tr>
<tr>
<td>thorax (ribs) (sternum) 77.41</td>
<td>epididymis 63.01</td>
</tr>
<tr>
<td>tibia 77.47</td>
<td>esophagus 42.24</td>
</tr>
<tr>
<td>ulna 77.43</td>
<td>closed (endoscopic) 42.24</td>
</tr>
<tr>
<td>vertebrae 77.49</td>
<td>open 42.25</td>
</tr>
<tr>
<td>bowel -- see Biopsy, intestine</td>
<td>extraocular muscle or tendon 15.01</td>
</tr>
<tr>
<td>brain NEC 01.13</td>
<td>eye 16.23</td>
</tr>
<tr>
<td>closed 01.13</td>
<td>muscle (oblique) (rectus) 15.01</td>
</tr>
<tr>
<td>open 01.14</td>
<td>eyelid 08.11</td>
</tr>
<tr>
<td>percutaneous (needle) 01.13</td>
<td>fallopian tube 66.11</td>
</tr>
<tr>
<td>breast 85.11</td>
<td>fascia 83.21</td>
</tr>
<tr>
<td>blind 85.11</td>
<td>fetus 75.33</td>
</tr>
<tr>
<td>closed 85.11</td>
<td>gallbladder 51.12</td>
</tr>
<tr>
<td>open 85.12</td>
<td>closed (endoscopic) 51.14</td>
</tr>
<tr>
<td>percutaneous (needle) (Vimm-Silverman) 85.11</td>
<td>open 51.13</td>
</tr>
<tr>
<td>bronchus NEC 33.24</td>
<td>percutaneous (needle) 51.12</td>
</tr>
<tr>
<td>closed (endoscopic) 33.24</td>
<td>ganglion (cranial) (peripheral) NEC 04.11</td>
</tr>
<tr>
<td>open 33.25</td>
<td>closed 04.11</td>
</tr>
<tr>
<td>washings 33.24</td>
<td>open 04.12</td>
</tr>
<tr>
<td>bursa 83.21</td>
<td>percutaneous (needle) 04.11</td>
</tr>
<tr>
<td>cardioesophageal (junction) 44.14</td>
<td>sympathetic nerve 05.11</td>
</tr>
<tr>
<td>closed (endoscopic) 44.14</td>
<td>gum 24.11</td>
</tr>
<tr>
<td>open 44.15</td>
<td>heart 37.25</td>
</tr>
<tr>
<td>cephalocele (junction) 44.14</td>
<td>hypophysis -- see also Biopsy, pituitary gland 07.15</td>
</tr>
<tr>
<td>cephalocele (endoscopic) 44.14</td>
<td>ileum 45.14</td>
</tr>
<tr>
<td>cephalocele (endoscopic) 45.26</td>
<td>closed (endoscopic) 45.14</td>
</tr>
<tr>
<td>cerebral meninges NEC 01.11</td>
<td>open 45.15</td>
</tr>
<tr>
<td>closed 01.11</td>
<td>intestine NEC 45.27</td>
</tr>
<tr>
<td>open 01.12</td>
<td>large 45.25</td>
</tr>
<tr>
<td>percutaneous (needle) 01.11</td>
<td>closed (endoscopic) 45.25</td>
</tr>
<tr>
<td>cervix (punch) 67.12</td>
<td>open 45.26</td>
</tr>
<tr>
<td>conization (sharp) 67.2</td>
<td>small 45.14</td>
</tr>
<tr>
<td>chest wall 34.23</td>
<td>closed (endoscopic) 45.14</td>
</tr>
<tr>
<td>clitoris 71.11</td>
<td>open 45.15</td>
</tr>
<tr>
<td>colon 45.25</td>
<td>intra-abdominal mass 54.24</td>
</tr>
<tr>
<td>brush 45.25</td>
<td>closed 54.24</td>
</tr>
<tr>
<td>closed (endoscopic) 45.25</td>
<td>percutaneous (needle) 54.24</td>
</tr>
<tr>
<td>open 45.26</td>
<td></td>
</tr>
</tbody>
</table>
Biopsy -joint structure ---Cont.
foot and toe 80.38
hand and finger 80.34
hip 80.35
knee 80.36
shoulder 80.31
specified site NEC 80.39
spine 80.39
wrist 80.33

kidney 55.23
closed 55.23
open 55.24
percutaneous (aspiration) (needle) 55.23

labia 71.11

lacrimal
  gland 09.11
  sac 09.12

larynx 31.43
  brush 31.43
  closed (endoscopic) 31.43
  open 31.45

lip 27.23

liver 50.11
  closed 50.11
  laparoscopic 50.19
  open 50.12
  percutaneous (aspiration) (needle) 50.11

lung NEC 33.27
  brush 33.24
  closed (percutaneous) (needle) 33.26
    brush 33.24
    endoscopic 33.27
  brush 33.24
  endoscopic 33.27
  brush 33.24
  open 33.28
  transbronchial 33.27

lymphatic structure (channel) (node) (vessel) 40.11
mediastinum NEC 34.25
  closed 34.25
  open 34.26
  percutaneous (needle) 34.25
meninges (cerebral) NEC 01.11
  closed 01.11
  open 01.12
  percutaneous (needle) 01.11
spinal 03.32
mesentery 54.23
mouth NEC 27.24
muscle 83.21
  extraocular 15.01
  ocular 15.01
nasopharynx 29.12

Biopsy ---Cont.
nerve (cranial) (peripheral) NEC 04.11
  closed 04.11
  open 04.12
  percutaneous (needle) 04.11
  sympathetic 05.11
nose, nasal 21.22
  sinus 22.11
    closed (endoscopic) (needle) 22.11
    open 22.12
ocular muscle or tendon 15.01
omentum
  closed 54.24
  open 54.23
  percutaneous (needle) 54.24
orbit 16.23
  by aspiration 16.22
ovary 65.12
  by aspiration 65.11
  laparoscopic 65.13
palate (bony) 27.21
  soft 27.22
pancreas 52.11
  closed (endoscopic) 52.11
  open 52.12
  percutaneous (aspiration) (needle) 52.11
pancreatic duct 52.14
  closed (endoscopic) 52.14
parathyroid gland 06.13
penis 64.11
perianal tissue 49.22
pericardium 37.24
periprostatic 60.15
perirectal tissue 48.26
perirenal tissue 59.21
peritoneal implant
  closed 54.24
  open 54.23
  percutaneous (needle) 54.24
peritoneum
  closed 54.24
  open 54.23
  percutaneous (needle) 54.24
periurethral tissue 58.24
perivesical tissue 59.21
pituitary gland 07.17
pituitary gland approach 07.13
transsphenoidal approach 07.14
pleura, pleural 34.24
prostate NEC 60.11
  closed (transurethral) 60.11
  open 60.12
  percutaneous (needle) 60.11
transrectal 60.11
### Biopsy --- Cont.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>rectum</td>
<td>48.24</td>
</tr>
<tr>
<td>closed (endoscopic)</td>
<td>48.24</td>
</tr>
<tr>
<td>open</td>
<td>48.25</td>
</tr>
<tr>
<td>retroperitoneal tissue</td>
<td>54.24</td>
</tr>
<tr>
<td>salivary gland or duct</td>
<td>26.11</td>
</tr>
<tr>
<td>closed (needle)</td>
<td>26.11</td>
</tr>
<tr>
<td>open</td>
<td>26.12</td>
</tr>
<tr>
<td>scrotum</td>
<td>61.11</td>
</tr>
<tr>
<td>seminal vesicle NEC</td>
<td>60.13</td>
</tr>
<tr>
<td>closed</td>
<td>60.13</td>
</tr>
<tr>
<td>open</td>
<td>60.14</td>
</tr>
<tr>
<td>percutaneous (needle)</td>
<td>60.13</td>
</tr>
<tr>
<td>sigmoid colon</td>
<td>45.25</td>
</tr>
<tr>
<td>brush</td>
<td>45.25</td>
</tr>
<tr>
<td>closed (endoscopic)</td>
<td>45.25</td>
</tr>
<tr>
<td>open</td>
<td>45.26</td>
</tr>
<tr>
<td>sinus, nasal</td>
<td>22.11</td>
</tr>
<tr>
<td>closed (endoscopic) (needle)</td>
<td>22.11</td>
</tr>
<tr>
<td>open</td>
<td>22.12</td>
</tr>
<tr>
<td>skin (punch)</td>
<td>86.11</td>
</tr>
<tr>
<td>skull</td>
<td>01.15</td>
</tr>
<tr>
<td>soft palate</td>
<td>27.22</td>
</tr>
<tr>
<td>soft tissue NEC</td>
<td>83.21</td>
</tr>
<tr>
<td>spermatic cord</td>
<td>63.01</td>
</tr>
<tr>
<td>sphincter of Oddi</td>
<td>51.14</td>
</tr>
<tr>
<td>closed (endoscopic)</td>
<td>51.14</td>
</tr>
<tr>
<td>open</td>
<td>51.13</td>
</tr>
<tr>
<td>spinal cord (meninges)</td>
<td>03.32</td>
</tr>
<tr>
<td>spleen</td>
<td>41.32</td>
</tr>
<tr>
<td>closed</td>
<td>41.32</td>
</tr>
<tr>
<td>open</td>
<td>41.33</td>
</tr>
<tr>
<td>percutaneous (aspiration) (needle)</td>
<td>41.32</td>
</tr>
<tr>
<td>stomach</td>
<td>44.14</td>
</tr>
<tr>
<td>brush</td>
<td>44.14</td>
</tr>
<tr>
<td>closed (endoscopic)</td>
<td>44.14</td>
</tr>
<tr>
<td>open</td>
<td>44.15</td>
</tr>
<tr>
<td>subcutaneous tissue (punch)</td>
<td>86.11</td>
</tr>
<tr>
<td>supraglottic mass</td>
<td>29.12</td>
</tr>
<tr>
<td>sympathetic nerve</td>
<td>05.11</td>
</tr>
<tr>
<td>tendon</td>
<td>83.21</td>
</tr>
<tr>
<td>extraocular</td>
<td>15.01</td>
</tr>
<tr>
<td>ocular</td>
<td>15.01</td>
</tr>
<tr>
<td>testis NEC</td>
<td>62.11</td>
</tr>
<tr>
<td>closed</td>
<td>62.11</td>
</tr>
<tr>
<td>open</td>
<td>62.12</td>
</tr>
<tr>
<td>percutaneous (needle)</td>
<td>62.11</td>
</tr>
<tr>
<td>thymus</td>
<td>07.16</td>
</tr>
<tr>
<td>thyroid gland NEC</td>
<td>06.11</td>
</tr>
<tr>
<td>closed</td>
<td>06.11</td>
</tr>
<tr>
<td>open</td>
<td>06.12</td>
</tr>
<tr>
<td>percutaneous(aspiration) (needle)</td>
<td>06.11</td>
</tr>
<tr>
<td>tongue</td>
<td>25.01</td>
</tr>
<tr>
<td>closed (needle)</td>
<td>25.01</td>
</tr>
<tr>
<td>open</td>
<td>25.02</td>
</tr>
<tr>
<td>tonsil</td>
<td>28.11</td>
</tr>
<tr>
<td>trachea</td>
<td>31.44</td>
</tr>
<tr>
<td>brush</td>
<td>31.44</td>
</tr>
<tr>
<td>closed (endoscopic)</td>
<td>31.44</td>
</tr>
<tr>
<td>open</td>
<td>31.45</td>
</tr>
<tr>
<td>tunica vaginalis</td>
<td>61.11</td>
</tr>
<tr>
<td>umbilicus</td>
<td>54.22</td>
</tr>
<tr>
<td>ureter</td>
<td>56.33</td>
</tr>
<tr>
<td>closed (percutaneous)</td>
<td>56.32</td>
</tr>
<tr>
<td>endoscopic</td>
<td>56.33</td>
</tr>
<tr>
<td>open</td>
<td>56.34</td>
</tr>
<tr>
<td>transurethral</td>
<td>56.33</td>
</tr>
<tr>
<td>urethra</td>
<td>58.23</td>
</tr>
<tr>
<td>uterus, uterine (endometrial)</td>
<td>68.16</td>
</tr>
<tr>
<td>aspiration curettage</td>
<td>69.59</td>
</tr>
<tr>
<td>dilation and curettage</td>
<td>69.09</td>
</tr>
<tr>
<td>closed (endoscopic)</td>
<td>68.16</td>
</tr>
<tr>
<td>ligaments</td>
<td>68.15</td>
</tr>
<tr>
<td>closed (endoscopic)</td>
<td>68.15</td>
</tr>
<tr>
<td>open</td>
<td>68.14</td>
</tr>
<tr>
<td>open</td>
<td>68.13</td>
</tr>
<tr>
<td>uvula</td>
<td>27.22</td>
</tr>
<tr>
<td>vagina</td>
<td>70.24</td>
</tr>
<tr>
<td>vas deferens</td>
<td>63.01</td>
</tr>
<tr>
<td>vein (any site)</td>
<td>38.21</td>
</tr>
<tr>
<td>vulva</td>
<td>71.11</td>
</tr>
</tbody>
</table>

#### Bischoff operation
- (ureteroneocystostomy) 56.74

#### Bisection
- see also Excision

#### Blalock operation
- (systemic-pulmonary anastomosis) 39.0

#### Blalock-Hanlon operation
- (creation of atrial septal defect) 35.42

#### Blalock-Taussig operation
- (subclavian-pulmonary anastomosis) 39.0

#### Blascovic operation
- (resection and advancement of levator palpebrae superioris) 08.33

#### Blepharectomy
- 08.20

#### Blepharoplasty
- see also
  - Reconstruction, eyelid 08.70
  - extensive 08.44

#### Blepharorrhaphy
- 08.52
  - division or severing 08.02

#### Blepharotomy
- 08.09

#### Blind rehabilitation therapy NEC
- 93.78
Block
caudal -- see Injection, spinal celiac
ganglion or plexus 05.31
dissection
  breast  85.46
  bilateral 85.45
  bronchus 32.6
  larynx 30.3
  lymph nodes 40.50
  neck  40.40
  vulva  71.5
epidural, spinal -- see Injection, spinal
gasserian ganglion 04.81
intercostal nerves 04.81
intrathecal -- see injection, spinal
nerve (cranial) (peripheral) NEC 04.81
paravertebral stellate ganglion 05.31
peripheral nerve 04.81
spinal nerve root (intrathecal)
  -- see Injection, spinal
  stellate (ganglion) 05.31
  subarachnoid, spinal -- see Injection,spinal
  sympathetic nerve 05.31
  trigeminal nerve 04.81

Bone
age studies 88.33
mineral density study 88.98
Bonney operation (abdominal hysterectomy) 68.49
  laparoscopic 68.41
Borthein operation (iridotasis) 12.63
Bost operation
plantar dissection 80.48
radiocarpal fusion 81.26

Bosworth operation
arthroplasty for acromioclavicular
  separation 81.83
  fusion of posterior lumar and
  lumbosacral spine 81.08
  for pseudarthrosis 81.38
  Resection of radial head ligaments
  (for tennis elbow) 80.92
  shelf procedure, hip 81.40

Bottle repair of hydrocele, tunica-vaginalis 61.2

Boyd operation (hip disarticulation) 84.18

Brachytherapy
intravascular 92.27

Brauer operation (cardiolysis) 37.10

Breech extraction -- see Extraction, breech

Bricker operation (ileoureterostomy) 56.51

Brisement (forcé) 93.26

Bristow operation (repair of shoulder
dislocation) 81.82

Brock operation (pulmonary valvotomy) 35.03

Brockman operation (soft tissue release
  for clubfoot) 83.84

Bronchogram, bronchography 87.32
  endotracheal 87.31
  transcricoid 87.32

Bronchoplasty 33.48

Bronchorrhaphy 33.41

Bronchoscopy NEC 33.23
  with biopsy 33.24
  lung 33.27
  brush 33.24
  fiberoptic 33.22
  with biopsy 33.24
  lung 33.27
  brush 33.24
  through tracheostomy 33.21
  with biopsy 33.24
  lung 33.27
  brush 33.24

Bronchospirometry 89.38

Bronchostomy 33.0
  closure 33.42

Bronchotomy 33.0

Browne (-Denis) operation
  (hypospadias repair) 58.45

Brunschwig operation (temporary
gastrostomy) 43.19
Buckling, scleral 14.49
with
air tamponade 14.49
implant (silicone) (vitreous) 14.41
resection of sclera 14.49
vitrectomy 14.49
vitreous implant (silicone) 14.41
Bunionectomy (radical) 77.59
with
arthrodesis 77.52
osteotomy of first metatarsal 77.51
resection of joint with prosthetic implant 77.59
soft tissue correction NEC 77.53
Bunnell operation (tendon transfer) 82.56
Burch procedure (retropubic urethral suspension for urinary stress incontinence) 59.5
Burgess operation (amputation of ankle) 84.14
Burn dressing 93.57
Burr holes 01.24
Bursectomy 83.5
hand 82.31
Bursocentesis 83.94
hand 82.92
Bursotomy 83.03
hand 83.03
Burying of fimbriae in uterine wall 66.97
Bypass
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
arterial (graft) (mandril grown graft) (vein graft) NEC 39.29
carotid-cerebral 39.28
carotid-vertebral 39.28
extracranial-intracranial [EC-IC] 39.28
intra-abdominal NEC 39.26
intrathoracic NEC 39.23
peripheral NEC 39.29
cardiopulmonary 39.61
open 39.61
percutaneous (closed) 39.66
carotid-cerebral 39.28
carotid-vertebral 39.28
coronary -- see also Bypass, aortocoronary 36.10
extracranial-intracranial [EC-IC] 39.28
gastric 44.39
high 44.31
laparoscopic 44.38
Printen and Mason 44.31
Bypass ---Cont.
gastroduodenostomy (jaboulay’s) 44.39
laparoscopic 44.38
gastroenterostomy 44.39
laparoscopic 44.38
gastroepiploic - coronary artery 36.17
gastrogastrostomy 44.39
laparoscopic 44.38
graft, pressurized treatment 00.16
heart-lung (complete) (partial) 39.61
open 39.61
percutaneous (closed) 39.66
high gastric 44.31
ileo-jejunal 45.91
internal mammary-coronary artery
(single) 36.13
double vessel 36.16
jejunal-ileal 45.91
pulmonary 39.61
open 39.61
percutaneous (closed) 39.66
shunt
intestine
large-to-large 45.94
small-to-large 45.93
small-to-small 45.91
stomach 44.39
high gastric 44.31
laparoscopic 44.38
terminal ileum 45.93
vascular (arterial) (graft) (mandril grown graft) (vein graft) NEC 39.29
aorta-carotid-brachial 39.22
aorta-iliac-femoral 39.25
aorta-renal 39.24
aorta-subclavian-femoral 39.22
aortic-superior mesenteric 39.26
aortoarteriod 39.22
aortoceliac 39.26
aortocoronary -- see also Bypass, aortocoronary 36.10
aortofemoral 39.25
aortoiliofemoral-popliteal 39.25
aortoiliac 39.25
aortoiliac to popliteal 39.25
aortoiliacofemoral 39.25
aortomesenteric 39.26
aortopopliteal 39.25
aortorenal 39.24
aortosubclavian 39.22
axillary-brachial 39.29
axillary-femoral (superficial) 39.29
axillofemoral (superficial) 39.29
carotid-cerebral 39.28
carotid-vertebral 39.28
carotid to subclavian artery 39.22
common hepatic-common iliac-renal 39.26
Bypass---Cont.
coronary -- see also Bypass,
aortocoronary 36.10
eextracranial-intracranial [EC-IC] 39.28
femoral-femoral 39.29
femoroperoneal 39.29
femoropopliteal (reversed saphenous
vein) (saphenous) 39.29
femorotibial (anterior) (posterior) 39.29
iliofemoral 39.25
ilioiliac 39.26
internal mammary-coronary
artery (single) 36.15
double vessel 36.16
intra-abdominal (arterial) NEC 39.26
venous NEC 39.1
intrathoracic NEC 39.23
peripheral artery NEC 39.29
popliteal-tibial 39.29
renal artery 39.24
splenorenal (venous) 39.1
arterial 39.26
subclavian-axillary 39.29
subclavian-carotid 39.22
subclavian-subclavian 39.22
Y graft to renal arteries 39.24
Caldwell operation (sulcus extension) 24.91
Caldwell-Luc operation (maxillary sinusotomy) 22.39
with removal of membrane lining 22.31
Calibration, urethra 89.29
Calicectomy (renal) 55.4
Calender operation (knee disarticulation) 84.16
Caloric test, vestibular function 95.44
Calycectomy (renal) 55.4
Calycotomy (renal) 55.11
Campbell operation bone block, ankle 81.11
fasciotomy (iliac crest) 83.14
reconstruction of anterior cruciate ligament 81.45
Campimetry 95.05
Canaliculodacryocystorhinostomy 09.81
Canaliculoplasty 09.73
Canaliculorhinostomy 09.81
Canaloplasty, external auditory meatus 18.6
Cannulation -- see also Insertion, catheter
ampulla of Vater 51.99
antrum 22.01
arteriovenous 39.93
artery 38.91
caval-mesenteric vein 39.1
cisterna chyli 40.61
Eustachian tube 20.8
lacrimal apparatus 09.42
lymphatic duct, left (thoracic) 40.61
nasal sinus (by puncture) 22.01
through natural ostium 22.02
pancreatic duct 52.92
by retrograde endoscopy (ERP) 52.93
renopancreatic duct 39.1
sinus (nasal) (by puncture) 22.01
through natural ostium 22.02
splenorenal (venous) 39.1
arterial 39.26
thoracic duct (cervical approach)
(thoracic approach) 40.61
Cannulization -- see Cannulation
Canthocystostomy 09.82
Canthoplasty 08.59
Canthorrhaphy 08.52
division or severing 08.02
Canthotomy 08.51
Capsulectomy -- see also Arthrectomy 80.90
joint kidney 55.91
lens 13.65
with extraction of lens 13.51
Capsulotomy -- see also Arthroplasty
ovary 65.29
laparoscopic 65.25
Capsulo-iridectomy 13.65
Capsuloplasty 81.96
with arthroplasty -- see Arthroplasty
ankle 81.94
foot 81.94
lower extremity NEC 81.95
upper extremity 81.93
Carpal tunnel syndrome 85.27
Carpometacarpal joint 82.11
Capping with surgical instrument 83.62
Carpotomy 82.45
Carter operation (prostate) 85.42
Carter operation with resection of muscularis propria 85.47
Cartilage -- see also Zygomatic bone
ear 99.32
nose 99.32
with removal of bone 99.31
Carotid endarterectomy 44.10
with stent placement 44.13
Carotid pulse tracing with ECG lead 89.56
Carpointomy (partial) 77.84
total 77.94
Carroll and Taber arthroplasty (proximal interphalangeal joint) 81.72
Casting (for immobilization) NEC 93.53
with fracture-reduction -- see Reduction, fracture
### Castration

- **female (oophorectomy, bilateral)**: 65.51
  - laparoscopic: 65.53
- **male**: 62.41

### C.A.T. (computerized axial tomography) -- see also Scan, C.A.T.

### Catheterization -- see also Insertion, catheter

- arteriovenous: 39.93
- artery: 38.91
- bladder, indwelling: 57.94
  - percutaneous (cystostomy): 57.17
  - suprapubic NEC: 57.18
- bronchus: 96.05
  - with lavage: 96.56
- cardiac (right): 37.21
  - combined left and right: 37.23
  - left: 37.22
    - combined with right heart: 37.23
    - right: 37.21
  - combined with left heart: 37.23
- central venous NEC: 38.93
  - peripherally inserted central catheter (PICC): 38.93
  - chest: 34.04
    - revision (with lysis of adhesions): 34.04
- Eustachian tube: 20.8
- heart (right): 37.21
  - combined left and right: 37.23
  - left: 37.22
    - combined with right heart: 37.23
    - right: 37.21
  - combined with left heart: 37.23
- hepatic vein: 38.93
- inferior vena cava: 38.93
- intercostal space (with water seal), for drainage: 34.04
  - revision (with lysis of adhesions): 34.04
- lacrimalonasal duct: 09.44
- laryngeal: 96.05
- nasolacrimal duct: 09.44
- pancreatic cyst: 52.01
- renal vein: 38.93
- Swan-Ganz (pulmonary): 89.64
- transtracheal for oxygenation: 31.99
- umbilical vein: 38.92
- ureter (to kidney): 59.8
  - for retrograde pyelogram: 87.74
- urethra, indwelling: 57.94
- vein NEC: 38.93
  - for renal dialysis: 38.95

### Cattell operation (herniorrhaphy): 53.51

### Cauterization -- Cont.

- broad ligament: 69.19
- bronchus: 32.09
  - endoscopic: 32.01
- canaliculi: 09.01
- cervix: 67.32
- chalazion: 08.25
- choroid plexus: 02.14
- conjunctiva: 10.33
  - lesion: 10.32
- cornea (fistula) (ulcer): 11.42
- ear, external: 18.29
- endometrial implant -- see Excision, lesion, by site
- entropion: 08.41
- esophagus: 42.39
  - endoscopic: 42.33
- eyelid: 08.25
  - for entropion or ectropion: 08.41
- fallopian tube: 66.61
  - by endoscopy (hysteroscopy) (laparoscopy): 66.29
- hemorrhoids: 49.43
- iris: 12.41
- lacrimal:
  - gland: 09.21
  - punctum: 09.72
    - for eversion: 09.71
- sac: 09.6
- larynx: 30.09
- liver: 50.29
- lung:
  - endoscopic: 32.28
- meibomian gland: 08.25
- nose, for epistaxis (with packing): 21.03
- ovary: 65.29
  - laparoscopic: 65.25
- palate (bony): 27.31
- pannus (superficial): 11.42
- pharynx: 29.39
- punctum, lacrimal: 09.72
  - for eversion: 09.71
- rectum: 48.32
  - radical: 48.31
- round ligament: 69.19
- sclera: 12.84
  - with iridectomy: 12.62
- skin: 86.3
  - subcutaneous tissue: 86.3
  - tonsillar fossa: 28.7
- urethra: 58.39
  - endoscopic: 58.31
- uterosacral ligament: 69.19
- uterine artery: 66.61
- uterine ostia: 66.61
- uterus: 68.29
- vagina: 70.33
- vocal cords: 30.09
- vulva: 71.3
<table>
<thead>
<tr>
<th>Procedure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cavernoscopy</td>
<td>34.21</td>
</tr>
<tr>
<td>Cavernostomy</td>
<td>33.1</td>
</tr>
<tr>
<td>Cavernotomy, kidney</td>
<td>55.39</td>
</tr>
<tr>
<td>Cavography (inferior vena cava)</td>
<td>88.51</td>
</tr>
<tr>
<td>Cecectomy (with resection of terminal ileum)</td>
<td>45.72</td>
</tr>
<tr>
<td>Cecil operation (urethral reconstruction)</td>
<td>58.46</td>
</tr>
<tr>
<td>Cecocleocopy</td>
<td>46.63</td>
</tr>
<tr>
<td>Cecocoloplicopexy</td>
<td>46.63</td>
</tr>
<tr>
<td>Cecocolostomy</td>
<td>45.94</td>
</tr>
<tr>
<td>Cecorectomy</td>
<td>46.62</td>
</tr>
<tr>
<td>Cecorrhaphy</td>
<td>46.75</td>
</tr>
<tr>
<td>Cecosigmoidostomy</td>
<td>45.94</td>
</tr>
<tr>
<td>Cecostomy (tube)--see also Colostomy</td>
<td>46.10</td>
</tr>
<tr>
<td>Cecotomy</td>
<td>45.03</td>
</tr>
<tr>
<td>Celiocentesis</td>
<td>54.91</td>
</tr>
<tr>
<td>Celioscopy</td>
<td>54.21</td>
</tr>
<tr>
<td>Celiotomy, exploratory</td>
<td>54.11</td>
</tr>
<tr>
<td>Cell block and Papanicolaou smear</td>
<td>46.10</td>
</tr>
<tr>
<td>Cephalogram</td>
<td>87.17</td>
</tr>
<tr>
<td>dental</td>
<td>87.12</td>
</tr>
<tr>
<td>orthodontic</td>
<td>87.12</td>
</tr>
<tr>
<td>Cephalometry, cephalometrics</td>
<td>87.17</td>
</tr>
<tr>
<td>echo</td>
<td>88.78</td>
</tr>
<tr>
<td>orthodontic</td>
<td>87.12</td>
</tr>
<tr>
<td>ultrasound (sonar)</td>
<td>88.78</td>
</tr>
<tr>
<td>x-ray</td>
<td>87.81</td>
</tr>
<tr>
<td>Cephalotomy, fetus</td>
<td>73.8</td>
</tr>
<tr>
<td>Cerclage</td>
<td>49.72</td>
</tr>
<tr>
<td>anus</td>
<td>67.51</td>
</tr>
<tr>
<td>cervix</td>
<td>67.51</td>
</tr>
<tr>
<td>transabdominal</td>
<td>67.51</td>
</tr>
<tr>
<td>transvaginal</td>
<td>67.59</td>
</tr>
<tr>
<td>isthmus uteri (cervix)</td>
<td>67.59</td>
</tr>
<tr>
<td>retinal reattachment -- see also Buckling</td>
<td>14.49</td>
</tr>
<tr>
<td>sclera -- see also Buckling, scleral</td>
<td>14.49</td>
</tr>
<tr>
<td>Cervicectomy (with synchronous colorrhaphy)</td>
<td>67.67</td>
</tr>
<tr>
<td>Cervicoplasty</td>
<td>67.69</td>
</tr>
<tr>
<td>Cesarean section ---Cont.</td>
<td></td>
</tr>
<tr>
<td>classical</td>
<td>74.0</td>
</tr>
<tr>
<td>corporeal</td>
<td>74.0</td>
</tr>
<tr>
<td>extraperitoneal</td>
<td>74.2</td>
</tr>
<tr>
<td>fundal</td>
<td>74.0</td>
</tr>
<tr>
<td>laparotrichelotomy</td>
<td>74.1</td>
</tr>
<tr>
<td>Latzko</td>
<td>74.2</td>
</tr>
<tr>
<td>low cervical</td>
<td>74.1</td>
</tr>
<tr>
<td>lower uterine segment</td>
<td>74.1</td>
</tr>
<tr>
<td>peritoneal exclusion</td>
<td>74.4</td>
</tr>
<tr>
<td>specified type NEC</td>
<td>74.4</td>
</tr>
<tr>
<td>supravesical</td>
<td>74.2</td>
</tr>
<tr>
<td>Cesarean section</td>
<td>74.99</td>
</tr>
<tr>
<td>Change -- see also Replacement</td>
<td></td>
</tr>
<tr>
<td>cast NEC</td>
<td>97.13</td>
</tr>
<tr>
<td>lower limb</td>
<td>97.12</td>
</tr>
<tr>
<td>upper limb</td>
<td>97.11</td>
</tr>
<tr>
<td>cystostomy catheter or tube</td>
<td>59.94</td>
</tr>
<tr>
<td>gastrostomy tube</td>
<td>97.02</td>
</tr>
<tr>
<td>length</td>
<td></td>
</tr>
<tr>
<td>bone -- see either category</td>
<td>78.2</td>
</tr>
<tr>
<td>Shortening, bone or category</td>
<td>78.3</td>
</tr>
<tr>
<td>Lengthening, bone</td>
<td></td>
</tr>
<tr>
<td>muscle</td>
<td>83.85</td>
</tr>
<tr>
<td>hand</td>
<td>82.55</td>
</tr>
<tr>
<td>tendon</td>
<td>83.85</td>
</tr>
<tr>
<td>hand</td>
<td>82.55</td>
</tr>
<tr>
<td>nephrostomy catheter or tube</td>
<td>55.93</td>
</tr>
<tr>
<td>pyelostomy catheter or tube</td>
<td>55.94</td>
</tr>
<tr>
<td>tracheostomy tube</td>
<td>97.23</td>
</tr>
<tr>
<td>ureterostomy catheter or tube</td>
<td>55.93</td>
</tr>
<tr>
<td>urethral catheter, indwelling</td>
<td>57.95</td>
</tr>
<tr>
<td>Character analysis, psychologic</td>
<td>94.03</td>
</tr>
<tr>
<td>Charles operation (correction of lymphedema)</td>
<td>40.9</td>
</tr>
<tr>
<td>Charnley operation (compression arthrodesis)</td>
<td></td>
</tr>
<tr>
<td>ankle</td>
<td>81.11</td>
</tr>
<tr>
<td>hip</td>
<td>81.21</td>
</tr>
<tr>
<td>knee</td>
<td>81.22</td>
</tr>
<tr>
<td>Cheatle-Henry operation -- see Repair, hernia, femoral</td>
<td></td>
</tr>
<tr>
<td>Check</td>
<td></td>
</tr>
<tr>
<td>automatic implantable</td>
<td></td>
</tr>
<tr>
<td>cardioverter/defibrillator (AICD)</td>
<td></td>
</tr>
<tr>
<td>(interrogation only)</td>
<td>89.49</td>
</tr>
<tr>
<td>CRT-D (cardiac resynchronization defibrillator) (interrogation only)</td>
<td>89.49</td>
</tr>
<tr>
<td>CRT-P (cardiac resynchronization pacemaker) (interrogation only)</td>
<td>89.45</td>
</tr>
<tr>
<td>pacemaker, artificial (cardiac)(function) (interrogation only)(rate)</td>
<td>89.45</td>
</tr>
<tr>
<td>amperage threshold</td>
<td>89.48</td>
</tr>
<tr>
<td>artifact wave form</td>
<td>89.46</td>
</tr>
<tr>
<td>electrode impedance</td>
<td>89.47</td>
</tr>
<tr>
<td>voltage threshold</td>
<td>89.48</td>
</tr>
<tr>
<td>vision NEC</td>
<td>95.09</td>
</tr>
<tr>
<td>Cheiloplasty</td>
<td>27.59</td>
</tr>
<tr>
<td>Cheilorrhaphy</td>
<td>27.51</td>
</tr>
<tr>
<td>Cheilostomatoenoplasty</td>
<td>27.59</td>
</tr>
<tr>
<td>Cheilotomy</td>
<td>27.0</td>
</tr>
<tr>
<td>Chemical peel, skin</td>
<td>86.24</td>
</tr>
</tbody>
</table>
Chemocauterization -- see also Destruction, lesion, by site
corneal epithelium 11.41
palate 27.31
Chemodectomy 39.8
Chemoembolization 99.25
Chemolysis
nerve (peripheral) 04.2
spinal canal structure 03.8
Chemoneurolysis 04.2
Chemonucleolysis (nucleus pulposus) 80.52
Chemothalamectomy 01.41
Chemotherapy - see also Immunotherapy
Antabuse 94.25
for cancer NEC 99.25
brain wafer implantation 00.10
implantation of chemotherapeutic agent 00.10
interstitial implantation 00.10
intracavitary implantation 00.10
wafer chemotherapy 00.10
lithium 94.22
methadone 94.25
palate (bony) 27.31
Chevalier-Jackson operation
(partial laryngectomy) 30.29
Child operation (radical subtotal pancreatectomy) 52.53
Cholangiocholangiostomy 51.39
Cholangiocholecystocholedochectomy 51.22
Cholangioenterostomy 51.39
Cholangiogastrostomy 51.39
Cholangiogram 87.54
endoscopic retrograde (ERC) 51.11
intraoperative 87.53
intravenous 87.52
percutaneous hepatic 87.51
transhepatic 87.53
Cholangiography -- see also
Cholangiogram 87.54
Cholangiojejunostomy (intrahepatic) 51.39
Cholangiopancreatography, endoscopic retrograde (ERC) 51.10
Cholangiostomy 51.59
Cholangiometry 51.59
Cholecystectomy (total) 51.22
partial 51.21
laparoscopic 51.24
total 51.22
laparoscopic 51.23
Cholecystenterorrhaphy 51.91
Cholecystocelectomy 51.32
Cholecystocholangiogram 87.59
Cholecystocolostomy 51.32
Cholecystoduodenostomy 51.32
Cholecystoenterostomy (Winiwater) 51.32
Cholecystogastrostomy 51.34
Cholecystogram 87.59
Cholecystoileostomy 51.32
Cholecystojejunostomy (Roux-en-Y) (with jejunojunostomy) 51.32
Cholecystopancreatectomy 51.33
Cholecystopexy 51.99
Cholecystorrhaphy 51.91
Cholecystostomy NEC 51.03
by trocar 51.02
Cholecystotomy 51.04
percutaneous 51.01
Choledochectomy 51.63
Choledochoduodenostomy 51.36
Choledochoenterostomy 51.36
Choledochojunostomy 51.36
Choledocholithotomy 51.41
endoscopic 51.88
Choledocholithotripsy 51.41
endoscopic 51.88
Choleodochopancreatectomy 51.39
Choleodochoplasty 51.72
Choleodochorrhaphy 51.71
Choleodochoscopy 51.11
Choledochocholangiostomy 51.51
Choledochohystotomy 51.51
Cholelithotomy 51.04
Chondrectomy 80.90
ankle 80.97
elbow 80.92
foot and toe 80.98
hand and finger 80.94
hip 80.95
intervertebral cartilage -- see category 80.5
knee (semilunar cartilage) 80.6
nasal (submucous) 21.5
semilunar cartilage (knee) 80.6
shoulder 80.91
specified site NEC 80.99
spine -- see category 80.5
wrist 80.93
Chondroplasty -- see Arthroplasty
Chondrosternoplasty (for pectus excavatum repair) 34.74
Chondrotomy -- see also Division,cartilage 80.40
nasal 21.1
Chopart operation (midtarsal amputation) 84.12
Chordectomy, vocal 30.22
Chordotomy (spinothalmic) (anterior) (posterior) NEC 03.29
percutaneous 03.21
stereotactic 03.21
Ciliartomy 12.55
Cilleotomy (ciliary body) 12.44
eyelid margin 08.20
Cinch, cinching
for scleral buckling -- see also Buckling, scleral 14.49
ocular muscle (oblique) (rectus) 15.22
multiple (two or more muscles) 15.4
Cineangiography -- see also Angiography 88.50
Cineplasty, cineplastic prosthesis
amputation -- see Amputation arm 84.44
biceps 84.44
extremity 84.40
lower 84.48
upper 84.44
leg 84.48
Cineradiograph -- see Radiography
Cingulumotomy (brain) (percutaneous radio-frequency) 01.32
Circumcision (male) 64.0
female 71.4
CISH [classic infrafascial SEMM hysterectomy] 68.31
Clagett operation (closure of chest wall following open flap drainage) 34.72
Clamp and cautery, hemorrhoids 49.43
Clamping
aneurysm (cerebral) 39.51
blood vessel -- see Ligation, blood vessel
ventricular shunt 02.43
Clavicotomy 77.31
fetal 73.8
Claviculectomy (partial) 77.81
total 77.91
Clayton operation (resection of metatarsal heads and bases of phalanges) 77.88
Cleaning, wound 96.59
Clearance
bladder (transurethral) 57.0
pelvic
female 68.8
male 57.71
prescalene fat pad 40.21
renal pelvis (transurethral) 56.0
ureter (transurethral) 56.0
Cleidotomy 77.31
fetal 73.8
Clipping
aneurysm (basilar) (carotid) (cerebellar) (cerebellopontine) (communicating artery) (vertebral) 39.51
Clipping --Cont.
arteriovenous fistula 39.53
frenulum, frenum
labia (lips) 27.91
lingual (tongue) 25.91
tip of uvula 27.72
Clitoridectomy 71.4
Clitoridotomy 71.4
Clivogram 87.02
Closure -- see also Repair
abdominal wall 54.63
delayed (granulating wound) 54.62
secondary 54.61
tertiary 54.62
amputation stump, secondary 84.3
aortcopulmonary fenestration(fistula)39.59
appendicostomy 47.92
artificial opening
bile duct 51.79
bladder 57.82
bronchus 33.42
common duct 51.72
esophagus 42.83
gallbladder 51.92
hepatic duct 51.79
intestine 46.50
large 46.52
small 46.51
kidney 55.82
larynx 31.62
rectum 48.72
stomach 44.62
thorax 34.72
trachea 31.72
ureter 56.83
urethra 58.42
atrial septal defect -- see also Repair, atrial septal defect 35.71
with umbrella device(King-Mills type)35.52
combined with repair of valvular and ventricular septal defects -- see Repair, endocardial cushion defect
bronchostomy 33.42
cecostomy 46.52
cholecystostomy 51.92
cleft hand 82.82
colostomy 46.52
cystostomy 57.82
diastema (alveolar) (dental) 24.8
disrupted abdominal wall (postoperative)54.61
duodenostomy 46.51
encephalocoele 02.12
dermatocoele defect -- see also Repair, endocardial cushion defect 35.73
enterostomy 46.50
esophagostomy 42.83
Closure---Cont.

- Fistula
  - Abdominothoracic 34.83
  - Anorectal 48.73
  - Anovaginal 70.73
  - Antrobuccal 22.71
  - Anus 49.73
  - Aorticopulmonary (fenestration) 39.59
  - Aortoduodenal 39.59
  - Appendix 47.92
  - Biliary tract NEC 51.79
  - Branchial cleft 29.52
  - Bronchocutaneous 33.42
  - Bronchoesophageal 33.42
  - Bronchomediastinal 34.73
  - Bronchopleural 34.73
  - Bronchopleurocutaneous 34.73
  - Bronchopleuromediastinal 34.73
  - Bronchovisceral 33.42
  - Bronchus 33.42
  - Cecosigmoidal 46.76
  - Cerebrospinal fluid NEC 02.12
  - Cervicoaural 18.79
  - Cervicosigmoidal 67.62
  - Cervicovesical 57.84
  - Cervix 67.62
  - Choledochocolic 51.93
  - Choledyctocolic 51.93
  - Choledochoenteric 51.93
  - Choledochoesophageal 51.93
  - Cisterna chyli 40.63
  - Colon 46.76
  - Colovaginal 70.72
  - Common duct 51.72
  - Cornea 11.49
  - with lamellar graft (homograft) 11.62
  - autograft 11.61
  - Diaphragm 34.83
  - Duodenum 46.72
  - Ear, middle 19.9
  - Ear drum 19.4
  - Enterocolic 46.74
  - Enterocutaneous 46.74
  - Enterouterine 69.42
  - Enterovaginal 70.74
  - Enterovesical 57.83
  - Esophagobronchial 33.42
  - Esophagocutaneous 42.84
  - Esophagopyleurocutaneous 34.73
  - Esophagotracheal 31.73

Closure---fistula---Cont.

- Esophagus NEC 42.84
- Fecal 46.79
- Gallbladder 51.93
- Gastric NEC 44.63
- Gastrocolic 44.63
- Gastroenterocolic 44.63
- Gastroesophageal 42.84
- Gastrojejunral 44.63
- Gastrojejunoileal 44.63
- Heart valve -- see Repair, heart, valve
- Hepatic duct 51.79
- Hepatopleural 34.73
- Hepatopulmonary 34.73
- Ileocolonic 46.74
- Ileosigmoidal 46.74
- Ileovesical 57.83
- Ileum 46.74
- In ano 49.73
- Intestine 46.79
- Large 46.76
- Small NEC 46.74
- Intestinocolonic 46.74
- Intestinoureteral 56.84
- Intestinouterine 69.42
- Intestinovaginal 70.74
- Intestinovesical 57.83
- Jejunum 46.74
- Kidney 55.83
- Lacrimal 09.99
- Laryngotracheal 31.62
- Larynx 31.62
- Lymphatic duct, left (thoracic) 40.63
- Mastoid (antrum) 19.9
- Mediastinobronchial 34.73
- Mediastinocutaneous 34.73
- Mouth (external) 27.53
- Nasal 21.82
- Sinus 22.71
- Nasolabial 21.82
- Nasopharyngeal 21.82
- Oroantral 22.71
- Oronasal 21.82
- Oval window (ear) 20.93
- Pancreaticoduodenal 52.95
- Perilymph 20.93
- Perineorctal 48.73
- Perineosigmoidal 46.76
- Perineourethral 58.43
- Perineum 71.72
- Perirectal 48.93
- Pharyngoesophageal 29.53
- Pharynx NEC 29.53
- Pleura, pleural NEC 34.93
- Pleurocutaneous 34.73
- Pleuropapricardial 37.49
- Pleuropertitoneal 34.83
- Pulmonoperitoneal 34.83
Closure – fistula --Cont.
rectolabial 48.73
rectoureteral 56.84
rectourethral 58.43
rectovaginal 70.73
rectovesical 57.83
rectovesicovaginal 57.83
rectovulvar 48.73
rectum NEC 48.73
renal 55.83
renointestinal 55.83
round window 20.93
salivary (gland) (duct) 26.42
scrotum 61.42
sigmoidovaginal 70.74
sigmoidovesical 57.83
splenocolic 41.95
stomach NEC 44.63
thoracic duct 40.63
thoracoabdominal 34.83
thoracogastric 34.83
thoracointestinal 34.83
thorax NEC 34.73
trachea NEC 31.73
tracheoesophageal 31.73
tympanic membrane -- see also Tympanoplasty 19.4
umbilicourinary 57.51
ureter 56.84
ureterocervical 56.84
ureterorectal 56.84
uretersigmoidal 56.84
ureterovaginal 56.84
uretero vesical 56.84
urethra 58.43
urethral prostatic 58.43
urethropereineal 58.43
urethropereineovesical 57.84
urethrocystal 58.43
urethrovaginal 58.43
uterocervical 69.42
uterointestinal 69.42
uterorectal 69.42
uteroureteral 56.84
uterovaginal 69.42
uterovesical 57.84
vagina 70.75
vaginocutaneous 70.75
vaginocervical 70.74
vaginoperineal 70.75
vaginovesical 57.84
vesicocervicovaginal 57.84
vesicocolic 57.83
vesicocutaneous 57.84
vesicoenteric 57.83
vesicometrorectal 57.83
vesicoperineal 57.84
vesicorectal 57.83

Closure – fistula --Cont.
vesicosigmoideal 57.83
vesicosigmoidovaginal 57.83
vesicoureteral 56.84
vesicoureterovaginal 56.84
vesicourethral 57.84
vesicurethrorectal 57.83
vesicouterine 57.84
vesicovaginal 57.84
vulva 71.72
vulvovaginal 48.73
foramen ovale (patent) 35.71
with
prosthesis(open heart technique) 35.51
closed heart technique 35.52
tissue graft 35.61
gastroduodenostomy 44.5
gastrojejunostomy 44.5
gastrostomy 44.62
ileostomy 46.51
jejunostomy 46.51
laparotomy, delayed 54.62
meningocele (spinal) 03.51
cerebral 02.12
myelomeningocele 03.52
nephrostomy 55.82
palmar cleft 82.82
patent ductus arteriosus 38.85
pelvioscopy 55.82
peptic ulcer (bleeding) (perforated) 44.40
perforation
ear drum--see also Tympanoplasty 19.4
esophagus 42.82
nasal septum 21.88
tympanic membrane -- see also
Tympanoplasty 19.4
proctostomy 48.72
punctum, lacrimal (papilla) 09.91
pyelostomy 55.82
rectostomy 48.72
septum defect (heart) -- see also Repair, heart, septum 35.70
sigmoidostomy 46.52
skin (V-Y type) 86.59
stoma
bile duct 51.79
bladder 57.82
bronchus 33.42
common duct 51.72
esophagus 42.83
gallbladder 51.92
hepatic duct 51.79
intestine 46.50
large 46.52
small 46.51
kidney 55.82
Closure — stoma --- Cont.
- larynx 31.62
- rectum 48.72
- stomach 44.62
- thorax 34.72
- trachea 31.72
- ureter 56.83
- urethra 58.42
- thoracostomy 34.72
- tracheostomy 31.72
- ulcer (bleeding) (peptic) (perforated) 44.40
- duodenum 44.42
- gastric 44.41
- intestine (perforated) 46.79
- skin 86.59
- stomach 44.41
- ureterostomy 56.83
- urethrostomy 58.42
- vagina 70.8
- vascular
- percutaneous puncture - omit code
- vesiycostomy 57.22
- wound -- see also Suture, by site
- with graft -- see Graft
- with tissue adhesive 86.59

Coagulation, electrocoagulation -- see also Destruction, lesion, by site
- aneurysm (cerebral) (peripheral vessel) 39.52
- arteriovenous fistula 39.53
- brain tissue (incremental) (radiofrequency) 01.59
- broad ligament 69.19
- cervix 67.32
- ear
- external 18.29
- inner 20.79
- middle 20.51
- fallopian tube 66.61
- gasserian ganglion 04.05
- nose, for epistaxis (with packing) 21.03
- ovary 65.29
- laparoscopic 65.25
- pharynx (by diathermy) 29.39
- prostatic bed 60.94
- rectum (polyp) 48.32
- radical 48.31
- retina (for)
- destruction of lesion 14.21
- reattachment 14.51
- repair for tear 14.31
- round ligament 69.19
- semicircular canals 20.79
- spinal cord (lesion) 03.4
- urethrovesical junction, transurethral 57.49
- uterosacral ligament 69.19
- uterus 68.29
- vagina 70.33
- vulva 71.3

Coating, aneurysm of brain 39.52
CoCl — 60 therapy (treatment) 92.23
Coccygectomy (partial) 77.89
total 77.99
Coccygectomy 77.39
"Cocked hat" procedure (metacarpal lengthening and transfer of local flap) 82.69
Cockette operation (varicose vein)
- lower limb 38.59
- upper limb 38.53
Cody tack (perforation of footplate) 19.0
CoJey operation (uterine suspension)
- (Meig's modification) 69.22
Cole operation (anterior tarsal wedge osteotomy) 77.28
Colectomy (partial) (segmental)
- (subtotal) 45.79
- cecum (with terminal ileum) 45.72
- left (Hartmann) (lower) (radical) 45.75
- multiple segmental 45.71
- right (radical) 45.73
- sigmoid 45.76
- terminal ileum with cecum 45.72
- total 45.8
- transverse 45.74
Collapse, lung, surgical 33.39
by
- destruction of phrenic nerve 33.31
- pneumoperitoneum 33.33
- pneumothorax, artificially-induced 33.32
- throracoplasty 33.34
Collection, sperm for artificial insemination 99.96
Collis-Nissen operation (hiatal hernia repair with esophagogastroplasty) 53.80
Colocentesis 45.03
Colocistostomy 45.94
proximal to distal segment 45.79
Colocystoplasty 57.87 [45.52]
Colofixation 46.64
Coiolietomy 45.00
Colonna operation
- adductor tenotomy (first stage) 83.12
- hip arthroplasty (second stage) 81.40
- reconstruction of hip (second stage) 81.40
Colonoscopy 45.23
with biopsy 45.25
- rectum 48.24
- fiberoptic (flexible) 45.23
- intraoperative 45.21
- through stoma (artificial) 45.22
- transabdominal 45.21
Colopexy 46.63
Coloplication 46.64
Coloproctostomy 45.94
Colorectosigmoidostomy 45.94
Colorectostomy 45.94
Colorrhaphy 46.75
Coloscopy -- see Colonoscopy
Colosigmoidostomy 45.94
Colostomy (ileo-ascending) (ileotransverse) (perineal) (transverse) 46.10
with anterior rectal resection 46.62
loop 46.03
permanent (magnetic) 46.13
temporary 46.11
Colotomy 45.03
Colpectomy 70.4
Colpoceliocentesis 70.0
Colpocentesis 70.0
Colpocolysis (complete) (partial) 70.8
Colpolohystrectomy 68.59
laparoscopically assisted (LAVH) 68.51
Colpoperineoplasty 70.79
with repair of urethrocele 70.50
Colpopereinorhaphy 70.71
following delivery 75.69
Colpopexy 70.77
Colpoplasty 70.79
Colpopoiesis 70.61
Colporrhaphy 70.71
anterior (cystocele repair) 70.51
for repair of
cystocele 70.51
with rectocele 70.50
tendocele 70.92
rectocele 70.52
with cystocele 70.50
urethrocele 70.51
posterior (rectocele repair) 70.52
Colposcopy 70.21
Colpotomy 70.14
for pelvic peritoneal drainage 70.12
Commando operation (radical glossectomy) 25.4
Commissurotomy
closed heart technique -- see Valvulotomy, heart
open heart technique -- see Valvuloplasty, heart
Compression, trigeminal nerve 04.02
Conchectomy 21.69
Conchotomy 21.1
Conduction study, nerve 89.15
Conduitogram, ileum 87.78
Condylectomy -- see category 77.8
mandible 76.5
Condylectomy NEC -- see also Division, joint capsule 80.40
mandible (open) 76.62
closed 76.61
Conization
cervix (knife) (sharp) (biopsy) 67.2
by
cryosurgery 67.33
electrocoagulation 67.32
Conjunctivocystorhinostomy 09.82
with insertion of tube or stent 09.83
Conjunctivodacryocystorhinostomy (CDCR) 09.82
with insertion of tube or stent 09.83
Conjunctivodacryocystostomy 09.82
with insertion of tube or stent 09.83
Conjunctivoplasty 10.49
Conjunctivohinostomy 09.82
with insertion of tube or stent 09.83
Constriction of globe, for scleral buckling -- see also Buckling, scleral 14.49
Construction
auricle, ear (with graft) (with implant) 18.71
ear
auricle (with graft) (with implant) 18.71
meatus (osseous) (skin-lined) 18.6
endoceologial ileal pouch (J-pouch) (H-pouch) (S-pouch) (with anastomosis to anus) 45.95
esophagus, artificial -- see Anastomosis, esophagus
ileal bladder (open) 56.51
closed 57.87 [45.51]
ileal conduit 56.51
larynx, artificial 31.75
patent meatus (ear) 18.6
penis (rib graft) (skin graft) (myocutaneous flap) 64.43
pharyngeal valve, artificial 31.75
urethra 58.46
vagina, artificial 70.61
venous valves (peripheral) 39.59
Consultation 89.09
comprehensive 89.07
limited (single organ system) 89.06
specified type NEC 89.08
Continuous positive airway pressure (CPAP) 93.90
Control
atmospheric pressure and composition
NEC 93.98
antigen-free air conditioning 93.98
decompression chamber 93.97
mountain sanatorium 93.98
epistaxis 21.00
by
cauterization (and packing) 21.03
coagulation (with packing) 21.03
electrocoagulation (with packing) 21.03
excision of nasal mucosa with grafting 21.07
Control — epistaxis by — Cont.
- ligation of artery 21.09
- ethmoidal 21.04
- external carotid 21.06
- maxillary (transantral) 21.05
- packing (nasal) (anterior) 21.01
- posterior (and anterior) 21.02
- specified means NEC 21.09

hemorrhage 39.98
- abdominal cavity 54.19
- adenoids (postoperative) 28.7
- anus (postoperative) 49.95
- bladder (postoperative) 57.93
- chest 34.09
- colon 45.49
- endoscopic 45.43
- duodenum (ulcer) 44.49
  - by
    - embolization (transcatheter) 44.44
    - suture (ligation) 44.42
    - endoscopic 44.43
- esophagus 42.39
- endoscopic 42.33
- gastric (ulcer) 44.49
  - by
    - embolization (transcatheter) 44.44
    - suture (ligation) 44.41
    - endoscopic 44.43
- intrapleural 34.09
  - postoperative (recurrent) 34.03
- laparotomy site 54.12
- nose — see also Control, epistaxis 21.00
- peptic (ulcer) 44.49
  - by
    - embolization (transcatheter) 44.44
    - suture (ligation) 44.40
    - endoscopic 44.43
- pleura, pleural cavity 34.09
  - postoperative (recurrent) 34.03
- postoperative NEC 39.98
- postvascular surgery 39.41
- prostate 60.94
- specified site NEC 39.98
- stomach — see Control, hemorrhage, gastric
- thorax NEC 34.09
  - postoperative (recurrent) 34.03
- thyroid (postoperative) 06.02
- tonsils (postoperative) 28.7

Correction
- anastomosis — see Revision, anastomosis
- cardiac rhythm NEC 99.69
  - to sinus rhythm 99.62
- gastrostomy to jejunostomy (endoscopic) 44.32
- obstetrical position — see Version

CorCap™ 37.41
Cordectomy, vocal 30.22
Cordopexy, vocal 31.69
Cordotomy
- spinal (bilateral) NEC 03.29
  - percutaneous 03.21
- vocal 31.3
Corectomy 12.12
Corelysis 12.35
Coreopexy 12.35
Coreoplasty 12.35
Corneoconjunctivoplasty 11.53
Corpectomy, (vertebral) 80.99
  - with diskectomy 80.99
Correction — see also Repair atresia
- esophageal 42.85
  - by magnetic forces 42.99
  - external meatus (ear) 18.6
  - nasopharynx, nasopharyngeal 29.4
  - rectum 48.0
  - tricuspid 35.94
- atrial septal defect — see also Repair, atrial septal defect 35.71
  - combined with repair of valvular and ventricular septal defects
    - see Repair, endocardial cushion defect
- blepharoptosis — see also Repair, blepharoptosis 08.36
- bunionette (with osteotomy) 77.54
- chordree 64.42
- claw toe 77.57
- cleft
  - lip 27.54
  - palate 27.62
- clubfoot NEC 83.84
- coarctation of aorta
  - with
    - anastomosis 38.34
    - graft replacement 38.44
- cornea NEC 11.59
  - refractive NEC 11.79
    - epikeratophakia 11.76
    - keratomileusis 11.71
    - keratophakia 11.72
    - radial keratotomy 11.75
- esophageal atresia 42.85
  - by magnetic forces 42.99
- everted lacrimal punctum 09.71
- eyelid
  - ptosis — see also Repair, blepharoptosis 08.36
  - retraction 08.38
- fetal defect 75.36
- forcible, of musculoskeletal deformity
  - NEC 93.29
- hammer toe 77.56

Cooling, gastric 96.31
Correction ---Cont.
hydraulic pressure, open surgery for
penile inflatable prosthesis 64.99
urinary artificial sphincter 58.99
intestinal malrotation 46.80
large 46.82
small 46.81
inverted uterus -- see Repair, inverted
uterus
lymphedema (of limb) 40.9
excision with graft 40.9
obliteration of lymphatics 40.9
transplantation of autogenous
lymphatics 40.9
nasopharyngeal atresia 29.4
overlapping toes 77.58
palate (cleft) 27.62
prognathism NEC 76.64
prominent ear 18.5
punctum (everted) 09.71
spinal pseudarthrosis -- see Refusion, spinal
syndactyly 86.85
tetralogy of Fallot
one-stage 35.81
partial -- see specific procedure
total 35.81
total anomalous pulmonary venous connection
one-stage 35.82
partial -- see specific procedure
total 35.82
transposition, great arteries, total 35.84
tricuspid atresia 35.94
truncus arteriosus
one-stage 35.83
partial -- see specific procedure
total 35.83
ureteropelvic junction 55.87
ventricular septal defect -- see also
Repair, ventricular septal defect
35.72
combined with repair of valvular and
atrial septal defects -- see Repair, endocardial cushion defect
Costectomy 77.91
with lung excision -- see Excision, lung
associated with thoracic operation -- omit code
Costochondrectomy 77.91
associated with thoracic operation
-- omit code
Costosternoplasty (pectus excavatum repair) 34.74
Costotomy 77.31
Costotransversectomy 77.91
associated with thoracic operation
-- omit code

Counseling (for) NEC 94.49
alcoholism 94.46
drug addiction 94.45
employers 94.49
Counseling ---Cont.
family (medical) (social) 94.49
marriage 94.49
ophthalmologic (with instruction) 95.36
pastoral 94.49
Countershock, cardiac NEC 99.62
Coventry operation (tibial wedge
osteotomy) 77.27
CPAP (continuous positive airway pressure) 93.90
Craniectomy 01.25
linear (opening of cranial suture) 02.01
reopening of site 01.23
strip (opening of cranial suture) 02.01
Cranioclasis, fetal 73.8
Cranioplasty 02.06
with synchronous repair of encephalocele 02.12
Craniotomy 01.24
as operative approach -- omit code
fetal 73.8
for decompression of fracture 02.02
reopening of site 01.23
Craterization, bone -- see also Excision, lesion, bone 77.60
Crawford operation (tarso-frontalis sling of eyelid) 08.32
Creation -- see also Formation
cardiac device (defibrillator) (pacemaker)
pocket
with initial insertion of cardiac device
-- omit code
new site (skin) (subcutaneous) 37.79
conduit
ileal (urinary) 56.51
left ventricle and aorta 35.93
right atrium and pulmonary artery 35.94
right ventricle and pulmonary (distal) artery 35.92
in repair of
pulmonary artery atresia 35.92
transposition of great vessels 35.92
truncus arteriosus 35.83
endorectal ileal pouch (J-pouch) (H-pouch) (S-pouch) (with anastomosis to anus) 45.95
esophagogastric sphincteric competence
NEC 44.66
laparoscopic 44.67
Hartmann pouch -- see Colectomy, by site
interatrial fistula 35.42
pericardial window 37.12
pleural window, for drainage 34.09
Creation  ---Cont.
  pocket
  cardiac device (defibrillator) (pacemaker) with initial insertion of cardiac device - omit code
  new site (skin)(subcutaneous) 37.79
  loop recorder 37.79
  thalamic stimulator pulse generator with initial insertion of battery package - omit code
  new site (skin)(subcutaneous) 86.09
  shunt -- see also Shunt arteriovenous fistula, for dialysis 39.93
  left-to-right (systemic to pulmonary circulation) 39.0
  subcutaneous tunnel for esophageal anastomosis 42.86
  with anastomosis -- see Anastomosis, esophagus, antesternal
  sympathetic (finger) (toe) 86.89
  thalamic stimulator pulse generator with initial insertion of battery package - omit code
  new site (skin)(subcutaneous) 86.09
  tracheoesophageal fistula 31.95
  window
  pericardial 37.12
  pleura, for drainage 34.09
Credé maneuver 73.59
Cricoidec-tomy 30.29
Cricothyreotomy (for assistance in breathing) 31.1
Cricothyroidectomy 30.29
Cricothyrosectomy 31.1
Cricothyrotomy (for assistance in breathing) 31.1
Cricotomy (for assistance in breathing) 31.1
Cricotracheotomy (for assistance in breathing) 31.1
Crisis intervention 94.35
Croupette, croup tent 93.94
Crown, dental (ceramic) (gold) 23.41
Crushing
  bone -- see category 78.4
  calculus
    bile (hepatic) passage 51.49
    endoscopic 51.88
    bladder (urinary) 57.0
    pancreatic duct 52.09
    endoscopic 52.94
    fallopian tube -- see also Ligation, fallopian tube 66.39
    ganglion -- see Crushing, nerve hemorrhoids 49.45
    nasal septum 21.88
Crushing  ---Cont.
  nerve (cranial) (peripheral) NEC 04.03
    acoustic 04.01
    auditory 04.01
    phrenic 04.03
    for collapse of lung 33.31
    sympathetic 05.0
    trigeminal 04.02
    vestibular 04.01
    vas deferens 63.71
Cryoablation -- see Ablation
Cryoanalgesia nerve (cranial) (peripheral) 04.2
Cryoconization, cervix 67.33
Cryodestruction -- see Destruction, lesion, by site
Cryoextraction, lens -- see also Extraction, cataract, intracapsular 13.19
Cryohypophysectomy (complete) (total) -- see also Hypophysectomy 07.69
Cryoleucotomy 01.32
Cryopexy, retinal -- see Cryotherapy, retina
Cryoprostatectomy 60.62
Cryoretinopexy (for) reattachment 14.52
  repair of tear or defect 14.32
Cryosurgery -- see Cryotherapy
Cryothalamectomy 01.41
Cryotherapy -- see also Destruction, lesion, by site
  bladder 57.59
  brain 01.59
  cataract 13.19
  cervix 67.33
  choroid -- see Cryotherapy, retina
  ciliary body 12.72
  corneal lesion (ulcer) 11.43
  to reshape cornea 11.79
  ear
    external 18.29
    inner 20.79
  esophagus 42.39
  endoscopic 42.33
  eyelid 08.25
  hemorrhoids 49.44
  iris 12.41
  nasal turbinates 21.61
  palate (bony) 27.31
  prostate 60.62
  retina (for)
    destruction of lesion 14.22
    reattachment 14.52
    repair of tear 14.32
  skin 86.3
  stomach 43.49
  endoscopic 43.41
  subcutaneous tissue 86.3
  turbinates (nasal) 21.61
  warts 86.3
  genital 71.3
Cryptectomy (anus) 49.39
endoscopic 49.31
Cryptorchidectomy (unilateral) 62.3
bilateral 62.41
Cryptotomy (anus) 49.39
endoscopic 49.31
Cuirass 93.99
Culdocentesis 70.0
Culdoplasty 70.92
Culdoscopy (exploration) (removal of foreign body or lesion) 70.22
Culdotomy 70.12
Culp-Deweerd operation (spiral flap pyeloplasty) 55.87
Culp-Scardino operation (ureteral flap pyeloplasty) 55.87
Culture (and sensitivity) -- see Examination, microscopic
Curettage (with packing) (with secondary closure)--see also Dilation and curettage
adenoids 28.6
anus 49.39
endoscopic 49.31
bladder 57.59
transurethral 57.49
bone--see also Excision, lesion, bone
brain--see also Excision, lesion, bone
bursa 83.39
hand 82.29
cartilage -- see also Excision, lesion, joint
brain 01.59
bursa 83.39
hand 82.29
cartilage -- see also Excision, lesion, joint
ear, external 18.29
eyelid 08.25
joint--see also Excision, lesion, joint
meninges (cerebral) 01.51
challazion 08.25
conjunctiva (trachoma follicles) 10.33
corneal epithelium 11.41
for smear or culture
ear, external 18.29
eyelid 08.25
joint--see also Excision, lesion, joint
meninges (cerebral) 01.51
spinal 03.4
muscle 83.32
hand 82.22
nerve (peripheral) 04.07
sympathetic 05.29
sclera 12.84
skin 86.3
spinal cord (meninges) 03.4
subgingival 24.31
tendon 83.39
sheath 83.31
hand 82.21
uterus (with dilation) 69.09
aspiration (diagnostic) NEC 69.59
after abortion or delivery 69.52
to terminate pregnancy 69.51
following delivery or abortion 69.02
Curette evacuation, lens 13.2
Curtis operation (interphalangeal joint arthroplasty) 81.72
Cutaneolipectomy 86.83
Cutdown, venous 38.94
Cutting
nerve (cranial) (peripheral) NEC 04.03
acoustic 04.01
auditory 04.01
root, spinal 03.1
sympathetic 05.0
trigeminal 04.02
vestibular 04.01
pedicle (flap) graft 86.71
pylorus (with wedge resection) 43.3
spinal nerve root 03.1
uretero-vesical orifice 56.1
urethral sphincter 58.5
CVP (central venous pressure monitoring) 89.62
Cyclectomy (ciliary body) 12.44
Cyclocryotherapy 12.72
Cyclodiathermy (penetrating) (surface) 12.71
Cyclodiathermy (penetrating) (surface) 12.71
Cyclocryosurgery 12.74
Cyclocystotomy 12.55
Cystectomy -- see also Excision, lesion, by site
biliary duct -- see Choledochectomy
urinary (partial) (subtotal) 57.6
complete (with urethrectomy) 57.79
radical 57.71
with pelvic exenteration (female) 68.8
total (with urethrectomy) 57.79
Cystocolostomy 57.88
Cystogram, cystography NEC 87.77
Cystolitholapaxy 57.0
Cystolithotomy 57.19
Cystography 87.74
Cystotomy 12.44
Cystoplasty NEC 57.89
Cystourethroscopy 57.89
Cystoproctostomy 57.88
Cystoprostaticotony, radical 57.71
Cystourethroscope 87.74
Cystorhaphy 57.81
Cystoscopy (transurethral) 57.32
with biopsy 57.33
for
control of hemorrhage
bladder 57.93
prostate 60.94
retrograde pyelography 87.74
ileal conduit 56.35
through stoma (artificial) 57.31
Cystostomy
  closed (suprapubic) (percutaneous) 57.17
  open (suprapubic) 57.18
  percutaneous (closed) (suprapubic) 57.17
  suprapubic
    closed 57.17
    open 57.18
Cystotomy (open) (for removal of calculi) 57.19
Cystourethropexy (by) 59.79
  levator muscle sling 59.71
  retropubic suspension 59.5
  suprapubic suspension 59.4
Cystourethroplasty 57.85
Cystourethroscopy 57.32
  with biopsy
    bladder 57.33
    ureter 56.33
Cytology -- see Examination, microscopic
Dacryoadenectomy 09.20
  partial 09.22
  total 09.23
Dacryoadenotomy 09.0
Dacryocystectomy (complete) (partial) 09.6
Dacryocystogram 87.05
Dacryocystorhinostomy (DCR) (by intubation) (external) (intransal) 09.81
Dacryocystostomy 09.53
Dacryocystosyringotomy 09.53
Dahlman operation (excision of esophageal diverticulum) 42.31
Dana operation (posterior rhizotomy) 03.1
Danforth operation (fetal) 73.8
Darrach operation (ulnar resection) 77.83
Davis operation (intubated ureterotomy) 56.2
Deaf training 95.49
Debridement
  abdominal wall 54.3
  bone--see also Excision, lesion, bone 77.60
  fracture -- see Debridement, open fracture
  brain 01.59
  burn (skin) 86.28
  bursa 83.5
  excisional 86.22
  nonexcisional 86.28
  cerebral meninges 01.51
  dental 96.54
  fascia 83.39
  flap graft 86.75
  graft (flap) (pedicle) 86.75
  heart valve (calcified)
    -- see Valvuloplasty, heart
  infection (skin) 86.28
    excisional 86.22
    nail (bed) (fold) 86.27
    nonexcisional 86.28
  joint -- see Excision, lesion, joint meninges (cerebral) 01.51
    spinal 03.4
  muscle 83.45
  hand 82.36
  nail (bed) (fold) 86.27
  nerve (peripheral) 94.07

Debridement --Cont.
  open fracture (compound) 79.60
    arm NEC 79.62
    carpal, metacarpal 79.63
    facial bone 76.2
    femur 79.65
    fibula 79.66
    foot NEC 79.67
    hand NEC 79.63
    humerus 79.61
    leg NEC 79.66
    phalanges
      foot 79.68
      hand 79.64
    radius 79.62
    specified site NEC 79.69
    tarsal, metatarsal 79.67
    tibia 79.66
    ulna 79.62
    patella 79.66
    pedicle graft 86.75
    skin or subcutaneous tissue (burn)
      (infection) (wound) 86.28
      cardioverter/defibrillator
        (automatic) pocket 37.79
      excisional 86.22
      graft 86.75
      nail, nail bed, or nail fold 86.27
      nonexcisional 86.28
      pacemaker pocket 37.79
    pocket
      cardiac device NEC 37.79
      cardiac pacemaker 37.79
      cardioverter/defibrillator
        (automatic) 37.79
    skull 01.25
      compound fracture 02.02
      spinal cord (meninges) 03.4
      VersaJet™ 86.28
      wound (skin) 86.28
      excisional 86.22
      nonexcisional 86.28

Decapitation, fetal 73.8
Decapsulation, kidney 55.91
Declotting -- see also Removal, thrombus arteriovenous cannula or shunt 39.49
Decompression
  anus (imperforate) 48.0
  biliary tract 51.49
  by intubation 51.43
    endoscopic 51.87
    percutaneous 51.98
  brain 01.24
  carpal tunnel 04.43
Decompression ----Cont.
cauda equina 03.09
chamber 93.97
colon 96.08
by incision 45.03
endoscopic (balloon) 46.85
common bile duct 51.42
by intubation 51.43
endoscopic 51.87
percutaneous 51.98
cranial 01.24
for skull fracture 02.02
endolymphatic sac 20.79
ganglion (peripheral) NEC 04.49
cranial NEC 04.42
gastric 96.07
heart 37.0
intestine 96.08
by incision 45.00
endoscopic (balloon) 46.85
intracranial 01.24
labyrinth 20.79
laminectomy 03.09
laminotomy 03.09
median nerve 04.43
muscle 83.02
hand 82.02
nerve (peripheral) NEC 04.49
auditory 04.42
cranial NEC 04.42
median 04.43
trigeminal (root) 04.41
orbit -- see also Orbitotomy 16.09
pancreatic duct 52.92
endoscopic 52.93
pericardium 37.0
rectum 48.0
skull fracture 02.02
spinal cord (canal) 03.09
tarsal tunnel 04.44
tendon (sheath) 83.01
hand 82.01
thoracic outlet by
myotomy (division of scalenus anticus muscle) 83.19
tenotomy 83.13
trigeminal (nerve root) 04.41

Decortication ----Cont.
ovary 65.29
laparoscopic 65.25
periarterial 05.25
pericardium 37.31
ventricle, heart (complete) 37.31
Decoy, E2F 00.16
Deepening
alveolar ridge 24.5
buccalobal sulcus 24.91
lingual sulcus 24.91
Defatting, flap or pedicle graft 86.75
Defibrillation, electric (external)(internal) 99.62
automatic cardioverter/defibrillator - see category 37.9
de Grandmont operation (tarsectomy) 08.35
Delaying of pedicle graft 86.71
Delivery (with)
assisted spontaneous 73.59
breech extraction (assisted) 72.52
partial 72.52
with forceps to aftercoming head 72.51
total 72.54
with forceps to aftercoming head 72.53
unassisted (spontaneous delivery) -- omit code
cesarean section -- see Cesarean section
Credé maneuver 73.59
De Lee maneuver 72.4
forceps 72.9
application to aftercoming head (Piper) 72.6
with breech extraction partial 72.51
total 72.53
Barton's 72.4
failed 73.3
high 72.39
with episiotomy 72.31
low (outlet) 72.0
with episiotomy 72.1
mid 72.29
with episiotomy 72.21
outlet (low) 72.0
with episiotomy 72.1
rotation of fetal head 72.4
trial 73.3
instrumental NEC 72.9
specified NEC 72.8
key-in-lock rotation 72.4
Kielland rotation 72.4
Malstrom's extraction 72.79
with episiotomy 72.71
manually assisted (spontaneous) 73.59
spontaneous (unassisted) 73.59
assisted 73.59
vacuum extraction 72.79
with episiotomy 72.71
ICD-9-CM INDEX TO PROCEDURES (FY07)

Delorme operation
pericardiectomy 37.31
proctopexy 48.76
repair of prolapsed rectum 48.76
thoracoplasty 33.34

Denervation
aortic body 39.8
carotid body 39.8
facet,
percuteaneous(radiofrequency) 03.96
ovarian 65.94
paracervical uterine 69.3
uterosacral 69.3

Denker operation (radical maxillary antrotomy) 22.31

Dennis-Barco operation
--see Repair, hernia, femoral

Denonvillier operation (limited rhinoplasty) 21.86

Densitometry, bone (serial)
(radiographic) 88.98

Depilation, skin 86.92

Derlacki operation (tympanoplasty) 19.4

Derabond 86.59

Dermabrasion (laser) 86.25
for wound debridement 86.28

Derotation -- see Reduction, torsion

Desensitization
allergy 99.12
psychologic 94.33

Desmotomy -- see also Division, ligament
80.40

Destruction
breast 85.20
chorioretinopathy -- see also Destruction, lesion, choroid 14.29
ciliary body 12.74
epithelial downgrowth, anterior chamber 12.93
fallopian tube 66.39
with
  crushing (and ligation) 66.31
  by endoscopy (laparoscopy) 66.21
division (and ligation) 66.32
  by endoscopy (culdoscopy)
    (hysteroscopy)
    (laparoscopy)
    (peritoneoscopy) 66.22
ligation 66.39
with
  crushing 66.31
    by endoscopy (laparoscopy) 66.21
division 66.32
  by endoscopy (culdoscopy)
    (hysteroscopy)
    (laparoscopy)
    (peritoneoscopy) 66.22

Destruction ---Cont.
  fetus 73.8
  hemorrhoids 49.49
    by
cryotherapy 49.44
sclerotherapy 49.42
inner ear NEC 20.79
  by injection 20.72
  intervertebral disc (NOS) 80.50
    by injection 80.52
    by other specified method 80.59
  herniated (nucleus pulposus) 80.51
lacrimal sac 09.6
lesion (local)
anus 49.39
  endoscopic 49.31
Bartholin's gland 71.24
  by
    aspiration 71.21
    excision 71.24
    incision 71.22
    marsupialization 71.23
biliary ducts 51.69
  endoscopic 51.64
bladder 57.59
  transurethral 57.49
bone -- see Excision, lesion, bone
bowel -- see Destruction, lesion, intestine
brain (transtemporal approach) NEC 01.59
  by stereotactic radiosurgery 92.30
  cobalt 60 92.32
  linear accelerator (LINAC) 92.31
  multi-source 92.32
  particle beam 92.33
  particulate 92.33
  radiosurgery NEC 92.39
  single source photon 92.31
breast NEC 85.20
bronchus NEC 32.09
  endoscopic 32.01
cerebral NEC 01.59
  meninges 01.51
  cervix 67.39
    by
      cauterization 67.32
      cryosurgery, cryoconization 67.33
      electroconization 67.32
choroid 14.29
  by
cryotherapy 14.22
  diathermy 14.21
  implantation of radiation source 14.27
  photocoagulation 14.25
    laser 14.24
    xenon arc 14.23
radiation therapy 14.26
ciliary body (nonexcisional) 12.43
  by excision 12.44
**Destruction - lesion (local) --- Cont.**

### conjunctiva
- by excision 10.32
- cornea NEC 11.49
  - by
    - cryotherapy 11.43
    - electrocauterization 11.42
    - thermocauterization 11.42
- cul-de-sac 70.32
- duodenum NEC 45.32
  - by excision 45.31
  - endoscopic 45.30
- esophagus (chemosurgery)
  - (cryosurgery)
  - (electroresection)
  - (fulguration) NEC 42.39
  - by excision 42.32
  - endoscopic 42.33
  - endoscopic 42.33
- eye NEC 16.93
  - eyebrow 08.25
  - eyelid 08.25
  - excisional--see Excision, lesion, eyelid
- heart 37.33
  - by catheter ablation 37.34
- intestine (large) 45.49
  - by excision 45.41
  - endoscopic 45.43
  - polypectomy 45.42
  - endoscopic 45.43
  - small 45.34
  - by excision 45.33
- intranasal 21.31
- iris (nonexcisional) NEC 12.41
  - by excision 12.42
- kidney 55.39
  - by marsupialization 55.31
- lacrimal sac 09.6
- larynx 30.09
- liver 50.29
- lung 32.29
  - endoscopic 32.28
- meninges (cerebral) 01.51
- spinal 03.4
- nerve (peripheral) 04.07
- sympathetic 05.29
- nose 21.30
  - intranasal 21.31
  - specified NEC 21.32
- ovary
  - by
    - aspiration 65.91
    - excision 65.29
    - laparoscopic 65.25
  - cyst by rupture (manual) 65.93
- palate
  - (bony) (local) 27.31
  - wide 27.32
- pancreas 52.22
  - by marsupialization 52.3
  - endoscopic 52.21
- pancreatic duct 52.22
  - endoscopic 52.21
- penis 64.2
- pharynx (excisional) 29.39
- pituitary gland
  - by stereotactic radiosurgery 92.30
  - cobalt 60 92.32
  - linear accelerator (LINAC) 92.31
  - multi-source 92.32
  - particle beam 92.33
  - particulate 92.33
  - radiosurgery NEC 92.39
  - single source photon 92.31
- rectum (local) 48.32
  - by
    - cryosurgery 48.34
    - electrocoagulation 48.32
    - excision 48.35
    - fulguration 48.32
    - laser (Argon) 48.33
    - polyp 48.36
    - radical 48.31
- retina 14.29
  - by
    - cryotherapy 14.22
    - diathermy 14.21
    - implantation of radiation source 14.27
    - photocoagulation 14.25
    - laser 14.24
    - xenon arc 14.23
    - radiation therapy 14.26
- salivary gland NEC 26.29
  - by marsupialization 26.21
- sclera 12.84
- scrotum 61.3
- skin NEC 86.3
- sphincter of Oddi 51.69
  - endoscopic 51.64
- spinal cord (meninges) 03.4
- spleen 41.42
  - by marsupialization 41.41
- stomach NEC 43.49
  - by excision 43.42
  - endoscopic 43.41
  - endoscopic 43.41
- subcutaneous tissue NEC 86.3
- testis 62.2
- tongue 25.1
- urethra (excisional) 58.39
  - endoscopic 58.31
- uterus 68.29
### Destruction ---Cont.

- **nerve (cranial) (peripheral) (by cryo-analgesia) (by radiofrequency)** 04.2
- **sympathetic, by injection of neurolytic agent** 05.32

- **neuroma**
  - **acoustic** 04.01
    - by craniotomy 04.01
    - by stereotactic radiosurgery 92.30
    - cobalt 60 92.32
    - linear accelerator (LINAC) 92.31
    - multi-source 92.32
    - particulate 92.33
    - radiosurgery NEC 92.39
    - single source photon 92.31
  - **cranial** 04.07
  - **Morton's** 04.07
  - **peripheral**
    - **Morton's** 04.07

- **prostate (prostatic tissue)**
  - by cryotherapy 60.62
  - microwave 60.96
  - radiofrequency 60.97
  - transurethral microwave theromtherapy (TUMT) 60.96
  - transurethral needle ablation (TUNA) 60.97
  - TULIP (transurethral ultrasound guided laser induced prostatectomy) 60.21
  - TUMT (transurethral microwave theromtherapy) 60.96
  - TUNA (transurethral needle ablation) 60.97
  - semicircular canals, by injection 20.72
  - vestibule, by injection 20.72

### Detachment, uterosacral ligaments 69.3

### Determination

- **mental status (clinical) (medico-legal) (psychiatric)** NEC 94.11
- **psychologic NEC** 94.09
- **vital capacity (pulmonary)** 89.37

### Detorsion

- **intestine (twisted) (volvulus)** 46.80
  - **large** 46.82
    - endoscopic (balloon) 46.85
  - **small** 46.81
- **kidney** 55.84
- **ovary** 65.95
- **spermatic cord** 63.52
  - with orchiopexy 62.5
- **testis** 63.52
  - with orchiopexy 62.5
- **volvulus** 46.80
  - endoscopic (balloon) 46.85

### Detoxification therapy 94.25

- **alcohol** 94.62
  - with rehabilitation 94.63
  - combined alcohol and drug 94.68
  - with rehabilitation 94.69
- **drug** 94.65
  - with rehabilitation 94.66
  - combined alcohol and drug 94.68
  - with rehabilitation 94.69

### Devascularization, stomach 44.99

### Device

- **CorCap™** 37.41
  - external fixator - see Fixator, external

### Dewebling

- esophagus 42.01
  - syndactyly (fingers) (toes) 86.85

### Dextrorotation

--- see Reduction, torsion

### Dialysis

- hemodiafiltration, hemofiltration (extracorporeal) 39.95
- kidney (extracorporeal) 39.95
- liver 50.92
- peritoneal 54.98
- renal (extracorporeal) 39.95

### Diaphanoscopy

- nasal sinuses 89.35
- skull (newborn) 89.16

### Diaphysectomy

--- see category 77.8

### Diathermy

- choroid - see Diathermy, retina
- nasal turbinates 21.61
- retina
  - for destruction of lesion 14.21
  - reattachment 14.51
  - repair of tear 14.31
- surgical - see Destruction, lesion, by site
- turbinates (nasal) 21.61

### Dickson operation

- (fascial transplant) 83.82

### Dickson-Diveley operation

- (tendon transfer and arthrodesis to correct claw toe) 77.57

### Dieffenbach operation

- (hip disarticulation) 84.18

### Dilation

- achalasia 42.92
- ampulla of Vater 51.81
- endoscopic 51.84
- anus, anal (sphincter) 96.23
- biliary duct
  - endoscopic 51.84
  - pancreatic duct 52.99
  - endoscopic 52.98
- percutaneous (endoscopy) 51.98
- sphincter
  - of Oddi 51.81
  - endoscopic 51.84
  - pancreatic 51.82
  - endoscopic 51.85
### Dilation ---Cont.
- bladder 96.25
- bronchus 33.91
- cervix (canal) 67.0
- colostomy stoma 96.24
- colon (endoscopic) (balloon) 46.85
- duodenum (endoscopic) (balloon) 46.85
- endoscopic -- see Dilation, by site
- enterostomy stoma 96.24
- esophagus (by bougie) (by sound) 42.92
- fallopian tube 66.96
- foreskin (newborn) 99.95
- gastrojejunostomy site, endoscopic 44.22
- heart valve -- see Valvulotomy, heart
- ileostomy stoma 96.24
- ileum (endoscopic) (balloon) 46.85
- intestinal stoma (artificial) 96.24
- intestine (endoscopic) (balloon) 46.85
- jejunum (endoscopic) (balloon) 46.85
- lacrimal duct 09.42
- lacrimal punctum 09.41
- larynx 31.98
- lymphatic structure(s) (peripheral) 40.9
- nares 21.99
- nasal lacrimal duct (retrograde) 09.43
- nasopharynx 29.91
- pancreatic duct 52.99
- endoscopic 52.98
- pharynx 29.91
- prostatic urethra (transurethral) (balloon) 60.95
- punctum, lacrimal papilla 09.41
- pylorus
  - by incision 44.21
  - endoscopic 44.22
- rectum 96.22
- salivary duct 26.91
- sphenoid ostia 22.52
- sphincter
  - anal 96.23
  - cardiac 42.92
  - of Oddi 51.81
    - endoscopic 51.84
  - pancreatic 51.82
    - endoscopic 51.85
  - pylorus, endoscopic 44.22
    - by incision 44.21

### Dilation ---Cont.
- Stenson’s duct 26.91
- trachea 31.99
- ureter 59.8
- meatus 56.91
- ureterovesical orifice 59.8
- urethra 58.6
- prostatic (transurethral) (balloon) 60.95
- urethrovésical junction 58.6
- vagina (instrumental) (manual) NEC 96.16
- vesical neck 57.92
- Wharton’s duct 26.91
- Wirsung’s duct 52.99
- endoscopic 52.98

### Dilation and curettage, uterus (diagnostic)
- after abortion 69.02
- delivery 69.02
- to terminate pregnancy 69.01

### Diminution, ciliary body 12.74

### Disarticulation 84.91
- ankle 84.13
- elbow 84.06
- finger, except thumb 84.01
- thumb 84.02
- hip 84.18
- knee 84.16
- shoulder 84.08
- thumb 84.02
- toe 84.11
- wrist 84.04

### Discography, diskogram 87.21

### Discolysis (by injection) 80.52

### Diskectomy, discectomy, intervertebral
- with corpectomy 80.99
- herniated (nucleus pulposus) 80.51
- percutaneous 80.59

### Dispensing (with fitting)
- contact lens 95.32
- low vision aids NEC 95.33
- spectacles 95.31
**Dissection** -- see also Excision
- aneurysm **38.60**
- artery-vein-nerve bundle **39.91**
- branchial cleft fistula or sinus **29.52**
- bronchus **32.1**
- femoral hernia **53.29**
- groin, radical **40.54**
- larynx block (en bloc) **30.3**
- mediastinum with pneumonectomy **32.5**
- neck, radical **40.40**
  - with laryngectomy **30.4**
  - bilateral **40.42**
  - unilateral **40.41**
- orbital fibrous bands **16.92**
- ptterygium (with reposition) **11.31**
- radical neck -- see Dissection, neck, radical
- retroperitoneal NEC **59.00**
- thoracic structures (block) (en bloc) (radical) (brachial plexus, bronchus, lobe of lung, ribs, and sympathetic nerves) **32.6**
- vascular bundle **39.91**

**Distention, bladder** (therapeutic)
- (intermittent) **96.25**

**Division**
- biliopancreatic(BPD) **43.7 [45.51] [45.91]**
  - with duodenal switch **43.89[45.51][45.91]**
- urinary
  - cutaneous **56.61**
  - ileal conduit **56.51**
  - internal NEC **56.71**
  - ureter to
    - intestine **56.71**
    - skin **56.61**
    - uretero-ileostomy **56.51**
- Diversional therapy **93.81**

**Diverticulectomy**
- bladder (suprapubic) **57.59**
- transurethral approach **57.49**
- duodenum **45.31**
- endoscopic **45.30**
- esophagus **42.31**
- endoscopic **42.33**
- esophagomyotomy **42.7**
- hypopharyngomyotony (by cricopharyngeal myotomy) **29.32**
- intestine
  - large **45.41**
  - endoscopic **45.43**
  - small **45.33**
- kidney **55.39**
- Meckel's **45.33**
- pharyngeal (by cricopharyngeal myotomy) **29.32**
- pharyngoesophageal (by cricopharyngeal myotomy) **29.32**

**Diverticulectomy -- Cont.**
- stomach **43.42**
  - endoscopic **43.41**
- urethra **58.39**
  - endoscopic **58.31**

**Division**
- Achilles tendon **83.11**
- adductor tendon (hip) **83.12**
- adhesions -- see Lysis, adhesions
  - angle of mandible (open) **76.62**
  - closed **76.61**
- anterior synchiae **12.32**
- aponeurosis **83.13**
- arcuate ligament (spine) -- omit code
- arteriovenous fistula (with ligation) **39.53**
- artery (with ligation) **38.80**
  - abdominal **38.86**
  - aorta (arch) (ascending) (descending) **38.84**
  - head and neck NEC **38.82**
  - intracranial NEC **38.81**
  - lower limb **38.88**
  - thoracic NEC **38.85**
  - upper limb **38.83**
- bladder neck **57.91**
- blepharorrhaphy **08.02**
- blood vessels, cornea **10.1**
- bone -- see also Osteotomy **77.30**
- brain tissue **01.32**
  - cortical adhesions **02.91**
- canaliculus **09.52**
- canthorrhaphy **08.02**
- cartilage **80.40**
  - ankle **80.47**
  - elbow **80.42**
  - foot and toe **80.48**
  - hand and finger **80.44**
  - hip **80.45**
  - knee **80.46**
  - shoulder **80.41**
  - specified site NEC **80.49**
  - spine **80.49**
  - wrist **80.43**
- cerebral tracts **01.32**
- chordae tendineae **35.32**
- common wall between posterior left atrium and coronary sinus (with roofing of resultant defect with patch graft) **35.82**
- congenital web
  - larynx **31.98**
  - pharynx **29.54**
- endometrial synchiae **68.21**
- fallopian tube
  - -- see Ligation, fallopian tube
- fascia **83.14**
  - hand **82.12**
<table>
<thead>
<tr>
<th>Division</th>
<th>---</th>
<th>---</th>
</tr>
</thead>
<tbody>
<tr>
<td>Division</td>
<td>---Cont.</td>
<td>---Cont.</td>
</tr>
<tr>
<td>frenulum, frenum</td>
<td>---nerve</td>
<td>---nerve</td>
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<tr>
<td>labial</td>
<td>laryngeal (external) (recurrent) (superior)</td>
<td>31.91</td>
</tr>
<tr>
<td>lingual</td>
<td>phrenic</td>
<td>04.03</td>
</tr>
<tr>
<td>tongue</td>
<td>for collapse of lung</td>
<td>33.31</td>
</tr>
<tr>
<td>ganglion, sympathetic</td>
<td>root, spinal or intraspinal</td>
<td>03.1</td>
</tr>
<tr>
<td>glossopharyngeal nerve</td>
<td>sympathetic</td>
<td>05.0</td>
</tr>
<tr>
<td>gonirosynechiae</td>
<td>tracts</td>
<td>---</td>
</tr>
<tr>
<td>hypophyseal stalk</td>
<td>cerebral</td>
<td>01.32</td>
</tr>
<tr>
<td>-- see also</td>
<td>spinal cord</td>
<td>03.29</td>
</tr>
<tr>
<td>Hypophysectomy, partial</td>
<td>percutaneous</td>
<td>03.21</td>
</tr>
<tr>
<td>iliotibial band</td>
<td>trigeminal</td>
<td>04.02</td>
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<tr>
<td>isthmus</td>
<td>vagus -- see also Vagotomy</td>
<td>44.00</td>
</tr>
<tr>
<td>horseshoe kidney</td>
<td>vestibular</td>
<td>04.01</td>
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<tr>
<td>thyroid</td>
<td>otosclerotic process or material, middle ear</td>
<td>19.0</td>
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<td>joint capsule</td>
<td>papillary muscle (heart)</td>
<td>35.31</td>
</tr>
<tr>
<td>ankle</td>
<td>patent ductus arteriosus</td>
<td>38.85</td>
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<td>elbow</td>
<td>penile adhesions</td>
<td>64.93</td>
</tr>
<tr>
<td>foot and toe</td>
<td>posterior synechiae</td>
<td>12.33</td>
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<tr>
<td>hand and finger</td>
<td>pylorus (with wedge resection)</td>
<td>43.3</td>
</tr>
<tr>
<td>hip</td>
<td>rectum (stricture)</td>
<td>48.91</td>
</tr>
<tr>
<td>knee</td>
<td>scalenus anticus muscle</td>
<td>83.19</td>
</tr>
<tr>
<td>shoulder</td>
<td>Skene's gland</td>
<td>71.3</td>
</tr>
<tr>
<td>specified site NEC</td>
<td>soft tissue NEC</td>
<td>83.19</td>
</tr>
<tr>
<td>wrist</td>
<td>hand</td>
<td>82.19</td>
</tr>
<tr>
<td>labial frenum</td>
<td>sphincter</td>
<td>---</td>
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<tr>
<td>lacrimal ductules</td>
<td>anal (external) (internal)</td>
<td>49.59</td>
</tr>
<tr>
<td>laryngeal nerve (external)</td>
<td>left lateral</td>
<td>49.51</td>
</tr>
<tr>
<td>(recurrent) (superior)</td>
<td>posterior</td>
<td>49.52</td>
</tr>
<tr>
<td>ligament</td>
<td>cardiac</td>
<td>42.7</td>
</tr>
<tr>
<td>ankle</td>
<td>of Oddi</td>
<td>51.82</td>
</tr>
<tr>
<td>arcuate (spine)</td>
<td>endoscopic</td>
<td>51.85</td>
</tr>
<tr>
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<td>pancreatic</td>
<td>51.82</td>
</tr>
<tr>
<td>canthal</td>
<td>endoscopic</td>
<td>51.85</td>
</tr>
<tr>
<td>elbow</td>
<td>spinal cord tracts</td>
<td>03.29</td>
</tr>
<tr>
<td>foot and toe</td>
<td>percutaneous</td>
<td>03.21</td>
</tr>
<tr>
<td>hand and finger</td>
<td>nerve root</td>
<td>03.1</td>
</tr>
<tr>
<td>hip</td>
<td>symblepharon (with insertion of conformer)</td>
<td>10.5</td>
</tr>
<tr>
<td>knee</td>
<td>synechiae</td>
<td>---</td>
</tr>
<tr>
<td>palpebrae</td>
<td>endometrial</td>
<td>68.21</td>
</tr>
<tr>
<td>shoulder</td>
<td>iris (posterior)</td>
<td>12.33</td>
</tr>
<tr>
<td>specific site NEC</td>
<td>anterior</td>
<td>12.32</td>
</tr>
<tr>
<td>spine</td>
<td>tarsorrhaphy</td>
<td>08.02</td>
</tr>
<tr>
<td>arcuate -- omit code</td>
<td>tendon</td>
<td>83.13</td>
</tr>
<tr>
<td>flavum -- omit code</td>
<td>Achilles</td>
<td>83.11</td>
</tr>
<tr>
<td>uterosacral</td>
<td>adductor (hip)</td>
<td>83.12</td>
</tr>
<tr>
<td>ligamentum flavum (spine)</td>
<td>hand</td>
<td>82.11</td>
</tr>
<tr>
<td>-- omit code</td>
<td>trabeculae carnea cordis (heart)</td>
<td>35.35</td>
</tr>
<tr>
<td>meninges (cerebral)</td>
<td>tympanum</td>
<td>20.23</td>
</tr>
<tr>
<td>muscle</td>
<td>uterosacral ligaments</td>
<td>69.3</td>
</tr>
<tr>
<td>hand</td>
<td>vaginal septum</td>
<td>70.14</td>
</tr>
<tr>
<td>nasolacrimal duct stricture (with drainage)</td>
<td>vas deferens</td>
<td>63.71</td>
</tr>
<tr>
<td>nerve (cranial) (peripheral) NEC</td>
<td>vein (with ligation)</td>
<td>38.80</td>
</tr>
<tr>
<td>acoustic</td>
<td>abdominal</td>
<td>38.87</td>
</tr>
<tr>
<td>adrenal gland</td>
<td>head and neck NEC</td>
<td>38.82</td>
</tr>
</tbody>
</table>
D. -vein ---Cont.

intracranial NEC 38.81
lower limb 38.89
varicose 38.59
thoracic NEC 38.85
upper limb 38.83
varicose 38.50
abdominal 38.57
head and neck NEC 38.52
intracranial NEC 38.51
lower limb 38.59
thoracic NEC 38.55
upper limb 38.53

vitreous, cicatricial bands (posterior approach) 14.74
anterior approach 14.73

Doleris operation (shortening of round ligaments) 69.22

D'Ombrain operation (excision of pterygium with corneal graft) 11.32

Domestic tasks therapy 93.83

Dopplergram, Doppler flow mapping -- see also Ultrasonography
aortic arch 88.73
head and neck 88.71
heart 88.72
thorax NEC 88.73

Dorrance operation (push-back operation for cleft palate) 27.62

Dotter operation (transluminal angioplasty) 39.59

Douche, vagina 96.44

Douglas' operation (suture of tongue to lip for micrognathia) 25.59

Doyle operation (paracervical uterine denervation) 69.3

Drainage
by
anastomosis -- see Anastomosis
aspiration -- see Aspiration
incision -- see Incision

abdomen 54.19
percutaneous 54.91

abscess -- see also Drainage, by site and Incision, by site
appendix 47.2
with appendectomy 47.09
laparoscopic 47.01
parapharyngeal(oral)(transcervical) 28.0
peritonsillar (oral) (transcervical) 28.0
retropharyngeal(oral)(transcervical) 28.0
thyroid (field) (gland) 06.09
percutaneous (needle) 06.01
postoperative 06.02
tonsil,tonsillar(oral)(transcervical) 28.0

Drainage ---Cont.
antecubital fossa 86.04
appendix 47.91
with appendectomy 47.09
laparoscopic 47.01
abscess 47.2
with appendectomy 47.09
laparoscopic 47.01
axilla 86.04
bladder (without incision) 57.0
by indwelling catheter 57.94
percutaneous suprapubic (closed) 57.17
suprapubic NEC 57.18
buccal space 27.0
bursa 83.03
by aspiration 83.94
hand 82.92
hand 82.03
by aspiration 82.92
radial 82.03
ulnar 82.03

cerebrum, cerebral (meninges) (ventricle) (incision) (trephination) 01.39
by
anastomosis -- see Shunt, ventricular
aspiration 01.09
through previously implanted catheter 01.02
chest (closed) 34.04
open (by incision) 34.09
cranial sinus (incision) (trephination) 01.21
by aspiration 01.09
cul-de-sac 70.12
by aspiration 70.0
cyst -- see also Drainage, by site and Incision, by site
pancreas (by catheter) 52.01
by marsupialization 52.3
internal (anastomosis) 52.4
pilonidal 86.03
spleen, splenic(by marsupialization)41.41
duodenum (tube) 46.39
by incision 45.01
eye
externa 18.09
inner 20.79
middle (by myringotomy) 20.09
with intubation 20.01
epidural space, cerebral (incision) (trephination) 01.24
by aspiration 01.09
extradural space, cerebral (incision) (trephination) 01.24
by aspiration 01.09
extraperitoneal 54.0
facial region 27.0
fascial compartments, head and neck 27.0
ICD-9-CM INDEX TO PROCEDURES (FY07)

Drainage ---Cont.
fetal hydrocephalic head (needling) (trocar) 73.8
by
anastomosis 51.35
aspiration 51.01
incision 51.04
groin region (inguinal) (abdominal wall) (groin region)
54.0
skin 86.04
subcutaneous tissue 86.04
hematoma -- see Drainage, by site
and Incision, by site
hydrocephalic head (needling) (trocar) 73.8
hypochondrium 54.0
intra-abdominal 54.19
iliac fossa 54.0
infratemporal fossa 27.0
intracranial space (epidural) (extradural) (incision) (trephination)
01.24
by aspiration 01.09
subarachnoid or subdural (incision) (trephination) 01.31
by aspiration 01.09
intraperitoneal 54.19
percutaneous 54.91
kidney (by incision) 55.01
by
anastomosis 55.86
catheter 59.8
pelvis (by incision) 55.11
liver 50.0
by aspiration 50.91
Ludwig's angina 27.0
lung (by incision) 33.1
by punch (needle) (trocar) 33.93
midpalmar space 82.04
mouth floor 27.0
mucocele, nasal sinus 22.00
by puncture 22.01
through natural ostium 22.02
omentum 54.19
percutaneous 54.91
ovary (aspiration) 65.91
by incision 65.09
laparoscopic 65.01
palmar space (middle) 82.04
pancreas (by catheter) 52.01
by anastomosis 52.96
parapharyngeal 28.0
paronychia 86.04
parotid space 27.0
pelvic peritoneum (female) 70.12
male 54.19
pericardium 37.0
perigastric 54.19
percutaneous 54.91
perineum
female 71.09
male 86.04
perisplenic tissue 54.19
percutaneous 54.91
peritoneum 54.19
pelvic (female) 70.12
percutaneous 54.91
peritonsillar 28.0
pharyngeal space, lateral 27.0
pilonidal cyst or sinus 86.03
pleura (closed) 34.04
open (by incision) 34.09
popliteal space 86.04
postural 93.99
postzygomatic space 27.0
pseudocyst, pancreas 52.3
by anastomosis 52.4
pterigopalatine fossa 27.0
retropharyngeal 28.0
scrotum 61.0
skin 86.04
spinal (canal) (cord) 03.09
by anastomosis -- see Shunt, spinal diagnostic 03.31
spleen 41.2
cyst (by marsupialization) 41.41
subarachnoid space, cerebral (incision) (trephination) 01.31
by aspiration 01.09
subcutaneous tissue 86.04
subdiaphragmatic 54.19
percutaneous 54.91
subdural space, cerebral (incision) (trephination) 01.31
by aspiration 01.09
supraclavicular fossa 86.04
temporal pouches 27.0
tendon (sheath) 83.01
hand 82.01
thenar space 82.04
thorax (closed) 34.04
open (by incision) 34.09
thyroglossal tract (by incision) 06.09
by aspiration 06.01
thyroid (field) (gland) (by incision) 06.09
by aspiration 06.01
postoperative 06.02
tonsil 28.0

Drainage ---Cont.
perigastric 54.19
percutaneous 54.91
perineum
female 71.09
male 86.04
perisplenic tissue 54.19
percutaneous 54.91
peritoneum 54.19
pelvic (female) 70.12
percutaneous 54.91
peritonsillar 28.0
pharyngeal space, lateral 27.0
pilonidal cyst or sinus 86.03
pleura (closed) 34.04
open (by incision) 34.09
popliteal space 86.04
postural 93.99
postzygomatic space 27.0
pseudocyst, pancreas 52.3
by anastomosis 52.4
pterigopalatine fossa 27.0
retropharyngeal 28.0
scrotum 61.0
skin 86.04
spinal (canal) (cord) 03.09
by anastomosis -- see Shunt, spinal diagnostic 03.31
spleen 41.2
cyst (by marsupialization) 41.41
subarachnoid space, cerebral (incision) (trephination) 01.31
by aspiration 01.09
subcutaneous tissue 86.04
subdiaphragmatic 54.19
percutaneous 54.91
subdural space, cerebral (incision) (trephination) 01.31
by aspiration 01.09
supraclavicular fossa 86.04
temporal pouches 27.0
tendon (sheath) 83.01
hand 82.01
thenar space 82.04
thorax (closed) 34.04
open (by incision) 34.09
thyroglossal tract (by incision) 06.09
by aspiration 06.01
thyroid (field) (gland) (by incision) 06.09
by aspiration 06.01
postoperative 06.02
tonsil 28.0
Drainage ---Cont.
  tunica vaginalis 61.0
  ureter (by catheter) 59.8
  by
    anastomosis NEC -- see also
    Anastomosis, ureter 56.79
    incision 56.2
  ventricle (cerebral) (incision) NEC 02.39
  by
    anastomosis -- see Shunt,
    ventricular
    aspiration 01.09
    through previously implanted
catheter 01.02
  vertebral column 03.09
Drawing test 94.08
Dressing
  burn 93.57
  ulcer 93.56
  wound 93.57
Drilling
  bone -- see also Incision, bone 77.10
  ovary 65.99
Drotrecogin alfa (activated),
  infusion 00.11
Ductogram, mammary 87.35
Duhamel operation
  (abdominoperineal pull-through) 48.65
Duhrssen's
  incisions (cervix, to assist delivery) 73.93
  operation (vaginofixation of uterus) 69.22
Dunn operation (triple arthrodesis) 81.12
Duodenectomy 45.62
  with
    gastrectomy -- see Gastrectomy
    pancreatectomy -- see Pancreatectomy
Duodenocholedochotomy 51.51
Duodenoduodenostomy 45.91
  proximal to distal segment 45.62
Duodenoileostomy 45.91
Duodenojejunostomy 45.91
Duodenorrhaphy 46.71
Duodenoplasty 46.79
Duodenoscopy 45.13
  through stoma (artificial) 45.12
  transabdominal (operative) 45.11
Duodenostomy 46.39
Duodenotomy 45.01
Dupuytren operation
  fasciectomy 82.35
  fasciotomy 82.12
  with excision 82.35
  shoulder disarticulation 84.08
Durabond 86.59
Duraplasty 02.12
Durham (-Caldwell) operation (transfer
  of biceps femoris tendon) 83.75
DuToit and Roux operation (staple
  capsulorrhaphy of shoulder) 81.82
DuVries operation (tenoplasty) 83.88
Dwyer operation
  fasciotomy 83.14
  soft tissue release NEC 83.84
  wedge osteotomy, calcaneus 77.28
<table>
<thead>
<tr>
<th>E</th>
<th>Electrocoagulation --- Cont.</th>
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<tbody>
<tr>
<td></td>
<td>gasserian ganglion 04.02</td>
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<td>nasal turbinates 21.61</td>
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<td>nose, for epistaxis (with packing) 21.03</td>
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<td>ovary 65.29</td>
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<td></td>
<td>laparoscopic 65.25</td>
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<td>prostatic bed 60.94</td>
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<td></td>
<td>rectum (polyp) 48.32</td>
</tr>
<tr>
<td></td>
<td>radical 48.31</td>
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<tr>
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<td>retina (for)</td>
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<td>destruction of lesion 14.21</td>
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<td></td>
<td>reattachment 14.51</td>
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<td>round ligament 69.19</td>
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<td>semicircular canals 20.79</td>
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<td>uterosacral ligament 69.19</td>
</tr>
<tr>
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<td>uterus 68.29</td>
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<td>vagina 70.33</td>
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<tr>
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<td>vulva 71.3</td>
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<tr>
<td>E</td>
<td>Electrocochleography 20.31</td>
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<tr>
<td>E</td>
<td>Electroconvulsive therapy (ECT) 94.27</td>
</tr>
<tr>
<td>E</td>
<td>Electroencephalogram (EEG) 89.14</td>
</tr>
<tr>
<td></td>
<td>monitoring (radiographic) (video) 89.19</td>
</tr>
<tr>
<td>E</td>
<td>Electrogastrogram 44.19</td>
</tr>
<tr>
<td>E</td>
<td>Electrokeratotomy 11.49</td>
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<tr>
<td>E</td>
<td>Electrolysis</td>
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<tr>
<td></td>
<td>ciliary body 12.71</td>
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<td>hair follicle 86.92</td>
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<td>subcutaneous tissue 86.92</td>
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<td>E</td>
<td>Electromyogram, electromyography (EMG) (muscle) 93.08</td>
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<td></td>
<td>eye 95.25</td>
</tr>
<tr>
<td></td>
<td>urethral sphincter 89.23</td>
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<tr>
<td>E</td>
<td>Electronarcosis 94.29</td>
</tr>
<tr>
<td>E</td>
<td>Electronic gaiter 93.59</td>
</tr>
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<td>E</td>
<td>Electronystagmogram (ENG) 95.24</td>
</tr>
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<td>Electro-oculogram (EOG) 95.22</td>
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<td>Electoresection -- see also Destruct, lesion, by site</td>
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<td>bladder neck (transurethral) 57.49</td>
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<td>esophagus 42.39</td>
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<tr>
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<td>endoscopic 42.33</td>
</tr>
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<td>prostate (transurethral) 60.29</td>
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<td>stomach 43.49</td>
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<tr>
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<tr>
<td>E</td>
<td>Electroretinogram (ERG) 95.21</td>
</tr>
</tbody>
</table>

**E2F decoy 00.16**

**Eagleton operation** (extrapetrosal drainage) 20.22

**ECG** -- see Electrocardiogram

**Echocardiography** 88.72
- intracardiac (heart chambers) (ICE) 37.28
- intravascular (coronary vessels) 00.24
- transesophageal 88.72
- monitoring (Doppler)(ultrasound) 89.68

**Echoencephalography** 88.71

**Echography** -- see Ultrasoundography

**Echogynography** 88.79

**ECMO** (extracorporeal membrane oxygenation) 39.65

**Eden-Hybinette operation** (glenoid bone block) 78.01

**Educational therapy** (bed-bound children) (handicapped) 93.82

**EEG** (electroencephalogram) 89.52
- monitoring (radiographic) (video) 89.19

**Effler operation** (heart) 36.2

**Effleurage** 93.39

**EGD** (esophagogastroduodenoscopy) 45.13
- with closed biopsy 45.16

**Eggers operation**
- tendon release (patellar retinacula) 83.13
- tendon transfer (biceps femoris tendon) (hamstring tendon) 83.75

**EKG** -- see also Electrocardiogram 89.52

**Elastic hosiery** 93.59

**Electrocardiogram** (with 12 or more leads) 89.52
- with vectorcardiogram 89.53
- fetal (scalp), intraterine 75.32
- rhythm (with one to three leads) 89.51

**Electrocautery** -- see also Cauterization
cervix 67.32
- corneal lesion (ulcer) 11.42
- esophagus 42.39
- endoscopic 42.33

**Electrocoagulation** -- see also Destruction, lesion, by site
- aneurysm (cerebral) (peripheral vessels) 39.52
- cervix 67.32
- cystoscopic 57.49
- ear
  - external 18.29
  - inner 20.79
  - middle 20.51
- fallopian tube (lesion) 66.61
  - for tubal ligation --see Ligation, fallopian tube

**Electrocochleography** 20.31

**Electroconvulsive therapy (ECT)** 94.27

**Electroencephalogram** 89.14
- monitoring (radiographic) (video) 89.19

**Electrogastrogram** 44.19

**Electroretinogram** 95.21
Electroshock therapy (EST) 94.27
  subconvulsive 94.26

Elevation
  bone fragments (fractured)
    orbit 76.79
    sinus (nasal)
      frontal 22.79
      maxillary 22.79
    skull (with debridement) 02.02
    spinal 03.53
  pedicle graft 86.71

Elliot operation (scleral trephination with iridectomy) 12.61

Ellis Jones operation (repair of peroneal tendon) 83.88

Ellison operation (reinforcement of collateral ligament) 81.44

Elmslie-Cholmeley operation (tarsal wedge osteotomy) 77.28

Eloesser operation
  thoracoplasty 33.34
  thoracostomy 34.09

Elongation -- see Lengthening

Embolectomy 38.00
  with endarterectomy -- see Endarterectomy abdominal
    artery 38.06
    vein 38.07
  aorta (arch) (ascending) (descending) 38.04
  arteriovenous shunt or cannula 39.49
  bovine graft 39.49
  head and neck NEC 38.02
  intracranial NEC 38.01
  lower limb
    artery 38.08
    vein 38.09
    mechanical
      endovascular
        head and neck 39.74
        pulmonary (artery) (vein) 38.05
        thoracic NEC 38.05
        upper limb (artery) (vein) 38.03
  Embolization (transcatheter)
    adhesive (glue) 39.79
    head and neck 39.72
    arteriovenous fistula 39.53
    endovascular 39.72
    artery (selective) 38.80
    by
      endovascular approach 39.79
      head and neck vessels 39.72
      percutaneous transcatheter infusion 99.29
    abdominal NEC 38.86
    duodenal (transcatheter) 44.44
    gastric (transcatheter) 44.44
    renal (transcatheter) 38.86

Embolization (transcatheter)---Cont.
  aorta (arch) (ascending) (descending) 38.84
  duodenal (transcatheter) 44.44
  gastric (transcatheter) 44.44
  head and neck NEC 38.82
  intracranial NEC 38.81
  lower limb 38.88
  renal (transcatheter) 38.86
  thoracic NEC 38.85
  upper limb 38.83

AVM, intracranial, endovascular approach 39.72
  carotid cavernous fistula 39.53
  chemoembolization 99.25
  coil, endovascular 39.79
  head and neck 39.72
  vein (selective) 38.80
    by
      endovascular approach 39.79
      head and neck 39.72
      abdominal NEC 38.87
      duodenal (transcatheter) 44.44
      gastric (transcatheter) 44.44
      duodenal (transcatheter) 44.44
      gastric (transcatheter) 44.44

Embryotomy 73.8

EMG -- see Electromyogram

Emmet operation (cervix) 67.61

Encephalocentesis -- see also Puncture
  01.09
  fetal head, transabdominal 73.8

Encephalography (cisternal puncture) (fractional) (lumbar)
  (pneumoencephalogram) 87.01

Encephalopuncture 01.09

Encircling procedure -- see also Cerclage
  sclera, for buckling 14.49
  with implant 14.41

Endarterectomy (gas) (with patch graft) 38.10
  abdominal 38.16
  aorta (arch) (ascending) (descending) 38.14
  coronary artery -- see category 36.0
  open chest approach 36.03
  head and neck (open) NEC 38.12

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.

  percutaneous approach, intracranial vessel(s) 00.62
  percutaneous approach, precerebral (extracranial) vessel(s) 00.61
Endarterectomy --- Cont.
intracranial (open) NEC 38.11

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.

percutaneous approach, intracranial vessel(s) 00.62
lower limb 38.18
thoracic NEC 38.15
upper limb 38.13

Endoaneurysmorrhaphy -- see also
Aneurysmorrhaphy 39.52
by or with
endovascular graft
abdominal aorta 39.71
lower extremity artery(s) 39.79
thoracic aorta 39.73
upper extremity artery(s) 39.79

Endolymaphatic (-subarachnoid) shunt 20.71

Endometrectomy (uterine) (internal) 68.29
bladder 57.59
cul-de-sac 70.32

Endoprosthesis
bile duct 51.87
femoral head (bipolar) 81.52

Endoscopy
with biopsy -- see Biopsy, by site, closed
anus 49.21
biliary tract (operative) 51.11
by retrograde cholangiography (ERC) 51.11
by retrograde cholangiopancreatography (ERCP) 51.10
intraoperative 51.11
percutaneous (via T-tube or other tract) 51.98
with removal of common duct stones 51.96
bladder 57.32
through stoma (artificial) 57.31
bronchus NEC 33.23
with biopsy 33.24
fiberoptic 33.22
through stoma (artificial) 33.21
colon 45.23
through stoma (artificial) 45.22
transabdominal (operative) 45.21
cul-de-sac 70.22
ear 18.11

Endoscopy --- Cont.
esophagus NEC 42.23
through stoma (artificial) 42.22
transabdominal (operative) 42.21
ileum 45.13
through stoma (artificial) 45.12
transabdominal (operative) 45.11
intestine NEC 45.24
large 45.24
fiberoptic (flexible) 45.23
through stoma (artificial) 45.22
transabdominal (intraoperative) 45.21
small 45.13
esophagogastroduodenoscopy (EGD) 45.13
with closed biopsy 45.16
through stoma (artificial) 45.12
transabdominal (operative) 45.11
jejenum 45.13
through stoma (artificial) 45.12
transabdominal (operative) 45.11
kidney 55.21
larynx 31.42
through stoma (artificial) 31.41
lung -- see Bronchoscopy
mediastinum (transpleural) 34.22
nasal sinus 22.19
nose 21.21
pancreatic duct 52.13
pelvis 55.22
peritoneum 54.21
pharynx 29.11
rectum 48.23
through stoma (artificial) 48.22
transabdominal (operative) 48.21
sinus, nasal 22.19
stomach NEC 44.13
through stoma (artificial) 44.12
transabdominal (operative) 44.11
thorax (transpleural) 34.21
trachea NEC 31.42
through stoma (artificial) 31.41
transpleural
mediastinum 34.22
thorax 34.21
ureter 56.31
urethra 58.22
uterus 68.12
vagina 70.21

Enema (transanal) NEC 96.39
for removal of impacted feces 96.38
ENG (electronystagmogram) 95.24

Enlargement
aortic lumen, thoracic 38.14
atrial septal defect (pre-existing) 35.41
in repair of total anomalous pulmonary
venous connection 35.82
eye socket 16.64
<table>
<thead>
<tr>
<th>Procedure</th>
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<td>Cecum -- see also Colostomy</td>
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<td>Colon (transverse) -- see also Colostomy</td>
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<td>46.20</td>
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<td>jejenum (feeding)</td>
<td>46.39</td>
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<td>eyeball</td>
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<td>with attachment of muscles</td>
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<tr>
<td>Epicardectomy</td>
<td>36.39</td>
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<tr>
<td>Epididymectomy</td>
<td>63.4</td>
</tr>
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<td>with orchidectomy (unilateral)</td>
<td>62.3</td>
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<td>bilateral</td>
<td>62.41</td>
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<td>eyelid (forceps) NEC</td>
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<td>Epiphysiodesis -- see also Arrest, bone growth -- see category</td>
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<td>Episiperineoplasty</td>
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<td>73.6</td>
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<td>following routine episiotomy</td>
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<td>-- see Episiotomy for obstetrical laceration</td>
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Episiotomy (with subsequent episiorrhaphy)  
73.6  
  high forceps 72.31  
  low forceps 72.1  
  mid forceps 72.21  
  nonobstetrical 71.09  
  outlet forceps 72.1  
EPS (electrophysiologic stimulation)  
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  
noninvasive programmed electrical stimulation (NIPS)  
37.20  
Eptifibatide, infusion  
99.20  
Equalization, leg  
lengthening -- see category 78.3  
shortening -- see category 78.2  
Equilibration (occlusal)  
24.8  
Equiloudness balance  
95.43  
ERC (endoscopic retrograde cholangiography)  
51.11  
ERCP (endoscopic retrograde cholangiopancreatography)  
51.10  
cannulation of pancreatic duct 52.93  
ERG (electroretinogram)  
95.21  
ERP (endoscopic retrograde pancreatography)  
52.13  
Eruption, tooth, surgical  
24.6  
Erythrocytapheresis, therapeutic  
99.73  
Escharectomy  
86.09  
Escharotomy  
86.22  
Esophageal voice training (postlaryngectomy)  
93.73  
Esophagectomy  
42.40  
  abdominothoracocervical (combined) (synchronous) 42.42  
  partial or subtotal 42.41  
total 42.42  
Esophagocologastrectomy (intrathoracic)  
42.55  
antesternal or antethoracic 42.65  
Esophagogastrectomy NEC 42.56  
  with interposition of colon 42.55  
antesternal or antethoracic NEC 42.66  
  with interposition of colon 42.65  
Esophagoduodenostomy (intrathoracic) NEC  
42.54  
  with complete gastrectomy 43.99  
  interposition of small bowel 42.53  
Esophagoenterostomy (intrathoracic) NEC  
-- see also Anastomosis, esophagus, to intestinal segment 42.54  
antesternal or antethoracic -- see also  
Anastomosis, esophagus, antesternal,  
to intestinal segment 42.64  
Esophagoesophagostomy (intrathoracic)  
42.51  
antesternal or antethoracic 42.61  
Esophagogastrectomy  
43.99  
Esophagogastroduodenoscopy (EGD)  
45.13  
  with closed biopsy 45.16  
  through stoma (artificial) 45.12  
  transabdominal (operative) 45.11  
Esophagogastromyotomy  
42.7  
Esophagostapexy  
44.65  
Esophagogastroplasty  
44.65  
Esophagogastroscopy NEC 44.13  
  through stoma (artificial) 44.12  
  transabdominal (operative) 44.11  
Esophagogastrostomy (intrathoracic)  
42.52  
with partial gastrectomy 43.5  
antesternal or antethoracic 42.62  
Esophagoileostomy (intrathoracic) NEC  
42.54  
  with interposition of small bowel 42.53  
antesternal or antethoracic NEC 42.64  
  with interposition of small bowel 42.63  
Esophagojejunostomy (intrathoracic) NEC  
42.54  
  with complete gastrectomy 43.99  
  interposition of small bowel 42.53  
antesternal or antethoracic NEC 42.64  
  with interposition of small bowel 42.63  
Esophagomyotomy  
42.7  
Esophagoplasty NEC 42.89  
Esophagorrhaphy  
42.82  
Esophagoscopy NEC 42.23  
  by incision (operative) 42.21  
  with closed biopsy 42.24  
  through stoma (artificial) 42.22  
  transabdominal (operative) 42.21  
Esophagostomy  
42.10  
  cervical 42.11  
  thoracic 42.19  
Esophagotomy NEC 42.09  
Estes operation (ovary)  
65.72  
laparoscopic 65.75  
Estlander operation (thoracoplasty)  
33.34  
ESWL (extracorporeal shockwave lithotripsy)  
NEC 98.59  
  bile duct 98.52  
  bladder 98.51  
  gallbladder 98.52  
  kidney 98.51  
  Kock pouch (urinary diversion) 98.51  
  renal pelvis 98.51  
  specified site NEC 98.59  
  ureter 98.51
Ethmoidectomy 22.63  
Ethmoidotomy 22.51  
Evacuation  
abscess -- see Drainage, by site  
anterior chamber (eye) (aqueous) (hyphema) 12.91  
cyst -- see also Excision, lesion, by site  
breast 85.91  
kidney 55.01  
liver 50.29  
hematoma -- see also Incision, hematoma  
incisional 75.91  
hemorrhoids (thrombosed) 49.47  
pelvic blood clot (by incision) 54.19  
by  
culdocentesis 70.0  
culdoscopy 70.22  
retained placenta  
with curettage 69.02  
manual 75.4  
streptothrix from lacrimal duct 09.42  

Evaluation (of)  
audiological 95.43  
cardiac rhythm device (CRT-D) (CRT-P) (AICD) (pacemaker) - see Interrogation  
criminal responsibility, psychiatric 94.11  
functional (physical therapy) 93.01  
hearing NEC 95.49  
orthotic (for brace fitting) 93.02  
prosthetic (for artificial limb fitting) 93.03  
psychiatric NEC 94.19  
commitment 94.13  
psychologic NEC 94.08  
testimentary capacity, psychiatric 94.11  

Evans operation (release of clubfoot) 83.84  

Evulsion  
nail (bed) (fold) 86.23  
skin 86.3  
subcutaneous tissue 86.3  

Examination (for)  
breast  
manual 89.36  
radiographic NEC 87.37  
thermographic 88.85  
ultrasonic 88.73  
cervical rib (by x-ray) 87.43  
colostomy stoma (digital) 89.33  

dental (oral mucosa) (peridental) 89.31  
radiographic NEC 87.12  
enterostomy stoma (digital) 89.33  
eye 95.09  
color vision 95.06  
comprehensive 95.02  
dark adaptation 95.07  
limited (with prescription of spectacles) 95.01  
under anesthesia 95.04  
fetus, intrauterine 75.35  
general physical 89.7  
glaucoma 95.03  
gynecological 89.26  
hearing 95.47  
microscopic (specimen) (of) 91.9  

Note -- Use the following fourth-digit subclassification with categories 90-91 to identify type of examination:  
1 bacterial smear  
2 culture  
3 culture and sensitivity  
4 parasitology  
5 toxicology  
6 cell block and Papanicolaou smear  
9 other microscopic examination  

adenoid 90.3  
adrenal gland 90.1  
amnion 91.4  
anus 90.9  
appendix 90.9  
bile ducts 91.0  
bladder 91.3  
blood 90.5  
bone 91.5  
marrow 90.6  
brain 90.0  
breast 91.6  
bronchus 90.4  
bursa 91.5  
cartilage 91.5  
cervix 91.4  
chest wall 90.4  
chorion 91.4  
colon 90.9  
cul-de-sac 91.1  
dental 90.8  
diaphragm 90.4  
duodenum 90.8  
ear 90.3  
endocrine gland NEC 90.1  
esophagus 90.8  
eye 90.2  
fallopian tube 91.4  
fascia 91.5  
female genital tract 91.4
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<tr>
<td>fetus 91.4</td>
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<td>ileum 90.9</td>
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<td>jejunum 90.9</td>
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<td>joint fluid 91.5</td>
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<td>large intestine 90.9</td>
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<td>larynx 90.3</td>
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<td>ligament 91.5</td>
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<td>lung 90.4</td>
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<td>lymph (node) 90.7</td>
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<tr>
<td>instrumental (by pelvimeter) 88.25</td>
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<td>pelvimetric 88.25</td>
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<tr>
<td>physical, general 89.7</td>
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<td>postmortem 89.8</td>
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<tr>
<td>rectum (digital) 89.34</td>
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<td>visual field 95.05</td>
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**Exchange transfusion 99.01**

*intrauterine 75.2*

**Excision**

- aberrant tissue (see Excision, lesion, by site of tissue origin)
- abscess (see Excision, lesion, by site accessory tissue (see also Excision, lesion, by site of tissue origin)
- lung 32.29
- endoscopic 32.28
- spleen 41.93
- adenoids (tag) 28.6
- with tonsillectomy 28.3
- adenoma (see Excision, lesion, by site adrenal gland--see also Adrenalectomy 07.22
- ampulla of Vater (with reimplantation of common duct) 51.62
- anal papilla 49.39
- endoscopic 49.31
- aneurysm (arteriovenous) (see also Aneurysmectomy 38.60
- coronary artery 36.91
- heart 37.32
- myocardium 37.32
- sinus of Valsalva 35.39
- ventricle (heart) 37.32
### Excision ---Cont.

<table>
<thead>
<tr>
<th>Procedure</th>
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<td>appendix -- see also Appendectomy</td>
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<tr>
<td>cataract--see also Extraction, cataract</td>
<td></td>
</tr>
<tr>
<td>secondary membrane (after cataract)</td>
<td>13.65</td>
</tr>
<tr>
<td>cervical</td>
<td></td>
</tr>
<tr>
<td>rib</td>
<td>77.91</td>
</tr>
<tr>
<td>stump</td>
<td>67.4</td>
</tr>
<tr>
<td>cervix (stump) NEC</td>
<td>67.4</td>
</tr>
<tr>
<td>cold (knife)</td>
<td>67.2</td>
</tr>
<tr>
<td>conization</td>
<td>67.2</td>
</tr>
<tr>
<td>cryoconization</td>
<td>67.33</td>
</tr>
<tr>
<td>electroconization</td>
<td>67.32</td>
</tr>
<tr>
<td>chalazion (multiple) (single)</td>
<td>08.21</td>
</tr>
<tr>
<td>cholesteatoma--see Excision, lesion, by site</td>
<td></td>
</tr>
<tr>
<td>choroid plexus</td>
<td>02.14</td>
</tr>
<tr>
<td>cicatrix (skin)</td>
<td>86.3</td>
</tr>
<tr>
<td>cilia base</td>
<td>08.20</td>
</tr>
<tr>
<td>ciliary body, prolapsed</td>
<td>12.98</td>
</tr>
<tr>
<td>clavicle (head) (partial)</td>
<td>77.81</td>
</tr>
<tr>
<td>total (complete)</td>
<td>77.91</td>
</tr>
<tr>
<td>clitoris</td>
<td>71.4</td>
</tr>
<tr>
<td>coarctation of aorta (end-to-end anastomosis)</td>
<td>38.64</td>
</tr>
<tr>
<td>with graft replacement (interposition)</td>
<td></td>
</tr>
<tr>
<td>abdominal</td>
<td>38.44</td>
</tr>
<tr>
<td>thoracic</td>
<td>38.45</td>
</tr>
<tr>
<td>thoracoabdominal</td>
<td>38.45</td>
</tr>
</tbody>
</table>
**ICD-9-CM INDEX TO PROCEDURES (FY07)**

### Excision

--- *Cont.*

common
duct 51.63
wall between posterior and coronary
sinus (with roofing or resultant
defect with patch graft) 35.82
condyle -- see category 77.8
mandible 76.5
conjunctival ring 10.31
cornea 11.49
epithelium (with chemocauterization) 11.41
for smear or culture 11.21
costal cartilage 80.99
cul-de-sac (Douglas’) 70.92
cusp, heart valve 35.10
aortic 35.11
mitral 35.12
tricuspid 35.14
cyst -- see also Excision, lesion, by site
apical (tooth) 23.73
with root canal therapy 23.72
Baker's (popliteal) 83.39
breast 85.21
broad ligament 69.19
bronchogenic 32.09
endoscopic 32.01
cervix 67.39
dental 24.4
dentigerous 24.4
epididymis 63.2
fallopian tube 66.61
Gartner's duct 70.33
hand 82.29
labia 71.3
lung 32.29
endoscopic 32.28
mesonephric duct 69.19
Morgagni
female 66.61
male 62.2
mullerian duct 60.73
nasolabial 27.49
nasopatine 27.31
by wide excision 27.32
ovary 65.29
laparoscopic 65.25
parovarian 69.19
pericardium 37.31
periodontal (apical) (lateral) 24.4
popliteal (Baker's) knee 83.39
radicular 24.4
spleen 41.42
synovial (membrane) 83.39
thyroglossal (with resection of hyoid
bone) 06.7
urachal (bladder) 57.51
abdominal wall 54.3

--- *Cont.*

--- cyst

--- *Cont.*
vagina (Gartner's duct) 70.33
cystic
duct remnant 51.61
hygroma 40.29
dentinoma 24.4
diaphragm 34.81
disc, intervertebral NOS 80.50
herniated (nucleus pulposus) 80.51
other specified (diskectomy) 80.51
diverticulum
ampulla of Vater 51.62
anus 49.39
endoscopic 49.31
bladder 57.49
transurethral 57.49
duodenum 45.31
endoscopic 45.30
esophagus (local) 42.31
endoscopic 42.33
hypopharyngeal (by cricopharyngeal
myotomy) 29.32
intestine
large 45.41
endoscopic 45.43
small NEC 45.33
Meckel's 45.33
pharyngeal (by cricopharyngeal
myotomy) 29.32
pharyngoesophageal (by
cricopharyngeal myotomy) 29.32
stomach 43.42
endoscopic 43.41
urethra 58.39
endoscopic 58.31
ventricle, heart 37.33
duct
mullerian 69.19
paramesonephric 69.19
thyroglossal (with resection of hyoid
bone) 06.7
ear, external (complete) NEC 18.39
partial 18.29
radical 18.31
ectopic
abdominal fetus 74.3
tissue -- see also Excision, lesion,
by site of tissue origin
bone, from muscle 83.32
breast 85.24
lung 32.29
endoscopic 32.28
spleen 41.93
empyema pocket, lung 34.09
epididymis 63.4
epiglottis 30.21
epithelial downgrowth, anterior
chamber (eye) 12.93
Excision  ---Cont.
epulis (gingiva) 24.31
esophagus -- see also Esophagectomy 42.40
exostosis -- see also Excision, lesion, bone 77.60
auditory canal, external 18.29
facial bone 76.2
first metatarsal (hallux valgus repair)
-- see Bunionection
eye 16.49
with implant (into Tenon's capsule) 16.42
with attachment of muscles 16.41
eyelid 08.20
redundant skin 08.86
falciform ligament 54.4
fallopian tube -- see Salpingectomy
fascia 83.44
for graft 83.43
hand 82.34
hand 82.35
for graft 82.34
fat pad NEC 86.3
knee (infrapatellar) (prepatellar) 86.3
scalene 40.21
fibroadenoma, breast 85.21
fissure, anus 49.39
endoscopic 49.31
fistula -- see also Fistulectomy
anal 49.12
arteriovenous -- see also Aneurysmectomy 38.60
ileorectal 46.74
lacrima
    gland 09.21
    sac 09.6
rectal 48.73
vesicovaginal 57.84
frenulum, frenum
    labial (lip) 27.41
    lingual (tongue) 25.92
ganglion (hand) (tendon sheath) (wrist) 82.21
gasserian 04.05
site other than hand or nerve 83.31
sympathetic nerve 05.29
trigeminal nerve 04.05
gastrocolic ligament 54.4
gingiva 24.31
glomus jugulare tumor 20.51
goiter -- see Thyroidectomy
gum 24.31
hallux valgus -- see also Bunionection
    with prosthetic implant 77.59
hamartoma, mammary 85.21
heart assist system - see Removal
hematocele, tunica vaginalis 61.92

Excision  ---Cont.
hematoma -- see Drainage, by site
hemorrhoids (external) (internal) (tag) 49.46
heterotopic bone, from
    muscle 83.32
    hand 82.22
    skin 86.3
    tendon 83.31
    hand 82.21
hydatid of Morgagni
    female 66.61
    male 62.2
hydatid cyst, liver 50.29
hydrocele
    canal of Nuck (female) 69.19
    male 63.1
    round ligament 69.19
    spermatic cord 63.1
    tunica vaginalis 61.2
hygroma, cystic 40.29
hymen (tag) 70.31
hymeno-urethral fusion 70.31
intervertebral disc -- see Excision, disc, intervertebral (NOS) 80.50
intestine--see also Resection, intestine 45.8
    for interposition 45.50
    large 45.52
    small 45.51
    large (total) 45.8
    for interposition 45.52
    local 45.41
    endoscopic 45.43
    segmental 45.79
    multiple 45.71
    small (total) 45.63
    for interposition 45.51
    local 45.33
    partial 45.62
    segmental 45.62
    multiple 45.61
intraductal papilloma 85.21
iris prolapse 12.13
joint -- see also Arthrectomy 80.90
keloid (scar), skin 86.3
labia -- see Vulvectomy
lacrimal
    gland 09.20
    sac 09.6
rectal 48.73
vesicovaginal 57.84
frenulum, frenum
    labial (lip) 27.41
    lingual (tongue) 25.92
ganglion (hand) (tendon sheath) (wrist) 82.21
gasserian 04.05
site other than hand or nerve 83.31
sympathetic nerve 05.29
trigeminal nerve 04.05
gastrocolic ligament 54.4
gingiva 24.31
glomus jugulare tumor 20.51
goiter -- see Thyroidectomy
gum 24.31
hallux valgus -- see also Bunionection
    with prosthetic implant 77.59
hamartoma, mammary 85.21
heart assist system - see Removal
hematocele, tunica vaginalis 61.92
**Excision** - lesion — Cont.

- ampulla of Vater 51.62
- anterior chamber (eye) NEC 12.40
- anus 49.39
- endoscopic 49.31
- apocrine gland 86.3
- artery 38.60
  - abdominal 38.66
  - aorta (arch) (ascending) (descending thoracic) 38.64
  - with end-to-end anastomosis 38.45
    - abdominal 38.44
    - thoracic 38.45
    - thoracoabdominal 38.45 [38.44]
  - with graft interposition graft replacement 38.45
    - abdominal 38.44
    - thoracic 38.45
    - thoracoabdominal 38.45 [38.44]
- head and neck NEC 38.62
- intracranial NEC 38.61
- lower limb 38.68
- thoracic NEC 38.65
- upper limb 38.63
- atrium 37.33
- auditory canal or meatus, external 18.29
- radial 18.31
- auricle, ear 18.29
- radical 18.31
- biliary ducts 51.69
- endoscopic 51.64
- bladder (transurethral) 57.49
  - open 57.59
  - suprapubic 57.59
- blood vessel 38.60
- abdominal
  - artery 38.66
  - vein 38.67
  - aorta (arch) (ascending) (descending) 38.64
- head and neck NEC 38.62
- intracranial NEC 38.61
- lower limb 38.68
  - artery 38.68
  - vein 38.69
  - thoracic NEC 38.65
  - upper limb (artery) (vein) 38.63
- bone 77.60
  - carpal, metacarpal 77.64
  - clavicle 77.61
  - facial 76.2
  - femur 77.65
  - fibula 77.67
  - humerus 77.62
  - jaw 76.2
  - dental 24.4
  - patella 77.66
  - pelvic 77.69

**Excision** - lesion - bone — Cont.

- phalanges (foot) (hand) 77.69
- radius 77.63
- scapula 77.61
- skull 01.6
- specified site NEC 77.69
- tarsal, metatarsal 77.68
- thorax (ribs) (sternum) 77.61
- tibia 77.67
- ulna 77.63
- vertebrae 77.69
- brain (transventral approach) NEC 01.59
  - by stereotactic radiosurgery 92.30
  - cobalt 60 92.32
  - linear accelerator (LINAC) 92.31
  - multi-source 92.32
  - particle beam 92.33
  - particulate 92.33
  - radiosurgery NEC 92.39
  - single source photon 92.31
- breast (segmental) (wedge) 85.21
- broad ligament 69.19
- bronchus NEC 32.09
  - endoscopic 32.01
- cerebral (cortex) NEC 01.59
- meninges 01.51
- cervix (myoma) 67.39
- chest wall 34.4
- choroid plexus 02.14
- ciliary body 12.44
- colon 45.41
  - endoscopic NEC 45.43
  - polypectomy 45.42
- conjunctiva 10.31
- cornea 11.49
- cranium 01.6
- cul-de-sac (Douglas') 70.32
- dental (jaw) 24.4
- diaphragm 34.81
- duodenum (local) 45.31
  - endoscopic 45.30
- ear, external 18.29
  - radical 18.31
- endometrium 68.29
- epicardium 37.31
- epididymis 63.3
- epiglottis 30.09
- esophagus NEC 42.32
  - endoscopic 42.33
- eye, eyeball 16.93
  - anterior segment NEC 12.40
- eyelid 08.20
  - by halving procedure 08.24
  - wedge resection 08.24
Excision - lesion - eyelid --- Cont.

- major
  - full-thickness 08.24
  - partial-thickness 08.23
  - minor 08.22
- fallopian tube 66.61
- fascia 83.39
- hand 82.29
- groin region (abdominal wall) (inguinal) 54.3
- skin 86.3
- subcutaneous tissue 86.3
- gum 24.31
- heart 37.33
- hepatic duct 51.69
- inguinal canal 54.3
- intestine
  - large 45.41
  - endoscopic NEC 45.43
  - polypectomy 45.42
  - small NEC 45.33
- intracranial NEC 01.59
- intranasal 21.31
- intraspinal 03.4
- iris 12.42
- jaw 76.2
  - dental 24.4
- joint 80.80
  - ankle 80.87
  - elbow 80.82
  - foot and toe 80.88
  - hand and finger 80.84
  - hip 80.85
  - knee 80.86
  - shoulder 80.81
  - specified site NEC 80.89
- muscle 83.32
- hand 82.22
- oral 15.13
- myocardium 37.33
- nail 86.23
- nasal sinus 22.60
  - antrum 22.62
  - with Caldwell-Luc approach 22.61
  - specified approach NEC 22.62
- ethmoid 22.63
- frontal 22.42
- maxillary 22.62
  - with Caldwell-Luc approach 22.61
  - specified approach NEC 22.62
- sphenoid 22.64
- nasopharynx 29.3
- nerve (cranial) (peripheral) 04.07
- sympathetic 05.29
- nonodontogenic 24.31
- palate (bony) 27.31
  - by wide excision 27.32
- specified site NEC 21.32
- odontogenic 24.4
- omentum 54.4
- orbit 16.92
- ovary 65.29
  - by wedge resection 65.22
  - laparoscopic 65.24
  - that by laparoscope 65.25
- palate (bony) 27.31
  - by wide excision 27.32
  - soft 27.49
- pancreas (local) 52.22
  - endoscopic 52.21
- parathyroid 06.89
- parotid gland or duct NEC 26.29
- pelvic wall 54.3
ICD-9-CM INDEX TO PROCEDURES (FY07)

Excision -lesion --Cont.
pelvirectal tissue 48.82
penis 64.2
pericardium 37.31
perineum (female) 71.3
male 86.3
periprostatic tissue 60.82
perirectal tissue 48.82
perirenal tissue 59.91
peritoneum 54.4
perivesical tissue 59.91
pharynx 29.39
diverticulum 29.32
pineal gland 07.53
pinna 18.29
radical 18.31
pituitary (gland) -- see also
Hypophysectomy, partial 07.63
by stereotactic radiosurgery 92.30
cobalt 60 92.32
linear accelerator (LINAC) 92.31
multi-source 92.32
particle beam 92.33
particulate 92.33
radiosurgery NEC 92.39
single source photon 92.31
pleura 34.59
pouch of Douglas 70.32
preauricular (ear) 18.21
presacral 54.4
prostate (transurethral) 60.61
pulmonary (fibrosis) 32.29
endoscopic 32.28
rectovaginal septum 48.82
rectum 48.35
polyp (endoscopic) 43.41
rectocele NEC 43.42
endoscopic 43.41
polyp (endoscopic) 43.41
subcutaneous tissue 86.3
breast 85.21
subgingival 24.31
sweat gland 86.3
tendon 83.39
hand 82.29
ocular 15.13
sheath 83.31
hand 82.21
testis 62.2
thorax 34.4
thymus 07.81
thyroid 06.31
substernal or transsternal route 06.51
tongue 25.1
tonsil 28.92
trachea 31.5
tunica vaginalis 61.92
ureter 56.41
urethra 58.39
endoscopic 58.31
uterine ligament 69.19
uterosacral ligament 69.19
uterus 68.29
vagina 70.33
vein 38.60
abdominal 38.67
head and neck NEC 38.62
intracranial NEC 38.61
lower limb 38.69
thoracic NEC 38.65
upper limb 38.63
ventricle (heart) 37.33
vocal cords 30.09
vulva 71.3
ligament -- see also Arthrectomy 80.90
broad 69.19
round 69.19
uterine 69.19
uterosacral 69.19
ligamentum flavum (spine) -- omit code
lingual tonsil 28.5
lip 27.43
liver (partial) 50.22
loose body
bone -- see Sequestrectomy, bone
joint 80.10
lung (complete) (with mediastinal
dissection) 32.5
accessory or ectopic tissue 32.29
endoscopic 32.28
segmental 32.3
<table>
<thead>
<tr>
<th>Excision -lung</th>
<th>---Cont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>specified type NEC</td>
<td>32.29</td>
</tr>
<tr>
<td>endoscopic</td>
<td>32.28</td>
</tr>
<tr>
<td>volume reduction surgery</td>
<td>32.22</td>
</tr>
<tr>
<td>wedge</td>
<td>32.29</td>
</tr>
<tr>
<td>lymph, lymphatic</td>
<td></td>
</tr>
<tr>
<td>drainage area</td>
<td>40.29</td>
</tr>
<tr>
<td>radical —see Excision, lymph, node, radical</td>
<td></td>
</tr>
<tr>
<td>regional (with lymph node, skin, subcutaneous tissue, and fat)</td>
<td>40.3</td>
</tr>
<tr>
<td>node (simple) NEC</td>
<td>40.29</td>
</tr>
<tr>
<td>with</td>
<td></td>
</tr>
<tr>
<td>lymphatic drainage area (including skin,subcutaneous tissue, and fat)</td>
<td>40.3</td>
</tr>
<tr>
<td>mastectomy -- see Mastectomy, radical</td>
<td></td>
</tr>
<tr>
<td>muscle and deep fascia -- see Excision, lymph, node, radical</td>
<td></td>
</tr>
<tr>
<td>axillary</td>
<td>40.23</td>
</tr>
<tr>
<td>radical</td>
<td>40.51</td>
</tr>
<tr>
<td>regional (extended)</td>
<td>40.3</td>
</tr>
<tr>
<td>cervical (deep) (with excision of scalene fat pad)</td>
<td>40.21</td>
</tr>
<tr>
<td>with laryngectomy</td>
<td>30.4</td>
</tr>
<tr>
<td>radial (including muscle and deep fascia)</td>
<td>40.40</td>
</tr>
<tr>
<td>bilateral</td>
<td>40.42</td>
</tr>
<tr>
<td>unilateral</td>
<td>40.41</td>
</tr>
<tr>
<td>regional (extended)</td>
<td>40.3</td>
</tr>
<tr>
<td>superficial</td>
<td>40.29</td>
</tr>
<tr>
<td>groin</td>
<td>40.24</td>
</tr>
<tr>
<td>radical</td>
<td>40.54</td>
</tr>
<tr>
<td>regional (extended)</td>
<td>40.3</td>
</tr>
<tr>
<td>iliac</td>
<td>40.29</td>
</tr>
<tr>
<td>radical</td>
<td>40.53</td>
</tr>
<tr>
<td>regional (extended)</td>
<td>40.3</td>
</tr>
<tr>
<td>inguinal (deep) (superficial)</td>
<td>40.24</td>
</tr>
<tr>
<td>radical</td>
<td>40.54</td>
</tr>
<tr>
<td>regional (extended)</td>
<td>40.3</td>
</tr>
<tr>
<td>jugular -- see Excision, lymph, node, cervical</td>
<td></td>
</tr>
<tr>
<td>mammary (internal)</td>
<td>40.22</td>
</tr>
<tr>
<td>external</td>
<td>40.29</td>
</tr>
<tr>
<td>radical</td>
<td>40.59</td>
</tr>
<tr>
<td>regional (extended)</td>
<td>40.3</td>
</tr>
<tr>
<td>radical</td>
<td>40.59</td>
</tr>
<tr>
<td>regional (extended)</td>
<td>40.3</td>
</tr>
<tr>
<td>paratracheal -- see Excision, lymph, node, cervical</td>
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</tr>
<tr>
<td>periaortic</td>
<td>40.29</td>
</tr>
<tr>
<td>radical</td>
<td>40.52</td>
</tr>
<tr>
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<td>40.3</td>
</tr>
<tr>
<td>radical</td>
<td>40.50</td>
</tr>
<tr>
<td>with mastectomy</td>
<td></td>
</tr>
<tr>
<td>-- see Mastectomy, radical</td>
<td></td>
</tr>
<tr>
<td>specified site NEC</td>
<td>40.59</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Excision -lymph -node</th>
<th>---Cont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>regional (extended)</td>
<td>40.3</td>
</tr>
<tr>
<td>sternal -- see Excision, lymph, node, mammary</td>
<td></td>
</tr>
<tr>
<td>structure(s) (simple) NEC</td>
<td>40.29</td>
</tr>
<tr>
<td>radical</td>
<td>40.59</td>
</tr>
<tr>
<td>regional (extended)</td>
<td>40.3</td>
</tr>
<tr>
<td>lymphangioma (simple) -- see also Excision, lymph, lymphatic, node</td>
<td>40.29</td>
</tr>
<tr>
<td>lymphocele</td>
<td>40.29</td>
</tr>
<tr>
<td>mastoid -- see also Mastoidectomy</td>
<td>20.49</td>
</tr>
<tr>
<td>median bar, transurethral approach</td>
<td>60.29</td>
</tr>
<tr>
<td>meibomian gland</td>
<td>08.20</td>
</tr>
<tr>
<td>meniscus (knee)</td>
<td>80.6</td>
</tr>
<tr>
<td>acromioclavicular</td>
<td>80.91</td>
</tr>
<tr>
<td>jaw</td>
<td>76.5</td>
</tr>
<tr>
<td>sternoclavicular</td>
<td>80.91</td>
</tr>
<tr>
<td>temporomandibular (joint)</td>
<td>76.5</td>
</tr>
<tr>
<td>wrist</td>
<td>80.93</td>
</tr>
<tr>
<td>mullerian duct cyst</td>
<td>60.73</td>
</tr>
<tr>
<td>muscle</td>
<td>83.45</td>
</tr>
<tr>
<td>for graft</td>
<td>83.43</td>
</tr>
<tr>
<td>hand</td>
<td>82.34</td>
</tr>
<tr>
<td>hand</td>
<td>82.36</td>
</tr>
<tr>
<td>for graft</td>
<td>82.34</td>
</tr>
<tr>
<td>myositis ossificans</td>
<td>83.32</td>
</tr>
<tr>
<td>hand</td>
<td>82.22</td>
</tr>
<tr>
<td>nail (bed) (fold)</td>
<td>86.23</td>
</tr>
<tr>
<td>nasolabial cyst</td>
<td>27.49</td>
</tr>
<tr>
<td>nasopalatine cyst</td>
<td>27.31</td>
</tr>
<tr>
<td>by wide excision</td>
<td>27.32</td>
</tr>
<tr>
<td>neoplasm -- see Excision, lesion, by site</td>
<td></td>
</tr>
<tr>
<td>nerve (cranial) (peripheral) NEC</td>
<td>04.07</td>
</tr>
<tr>
<td>sympathetic</td>
<td>05.29</td>
</tr>
<tr>
<td>neuroma(Morton's)(peripheral nerve)</td>
<td>04.07</td>
</tr>
<tr>
<td>acoustic</td>
<td></td>
</tr>
<tr>
<td>by craniotomy</td>
<td>04.01</td>
</tr>
<tr>
<td>by stereotactic radiosurgery</td>
<td>92.30</td>
</tr>
<tr>
<td>cobalt 60</td>
<td>92.32</td>
</tr>
<tr>
<td>linear accelerator (LINAC)</td>
<td>92.31</td>
</tr>
<tr>
<td>multi-source</td>
<td>92.32</td>
</tr>
<tr>
<td>particle beam</td>
<td>92.33</td>
</tr>
<tr>
<td>particulate</td>
<td>92.33</td>
</tr>
<tr>
<td>radiosurgery NEC</td>
<td>92.39</td>
</tr>
<tr>
<td>single source photon</td>
<td>92.31</td>
</tr>
<tr>
<td>sympathetic nerve</td>
<td>05.29</td>
</tr>
<tr>
<td>nipple</td>
<td>85.25</td>
</tr>
<tr>
<td>accessory</td>
<td>85.24</td>
</tr>
<tr>
<td>odontoma</td>
<td>24.4</td>
</tr>
<tr>
<td>orbital contents -- see also</td>
<td></td>
</tr>
<tr>
<td>Exenteration, orbit</td>
<td>16.59</td>
</tr>
<tr>
<td>osteochondritis dissecans -- see also</td>
<td></td>
</tr>
<tr>
<td>Excision, lesion, joint</td>
<td>80.80</td>
</tr>
<tr>
<td>ovary -- see also Oophorectomy</td>
<td></td>
</tr>
<tr>
<td>partial</td>
<td>65.29</td>
</tr>
<tr>
<td>by wedge resection</td>
<td>65.22</td>
</tr>
<tr>
<td>laparoscopic</td>
<td>65.24</td>
</tr>
<tr>
<td>that by laparoscope</td>
<td>65.25</td>
</tr>
</tbody>
</table>
Excision ---Cont.
Pancoast tumor (lung) 32.6
pancreas (total) (with synchronous duodenectomy) 52.6
partial NEC 52.59
distal (tail) (with part of body) 52.52
proximal (head) (with part of body) (with synchronous duodenectomy) 52.51
radical subtotal 52.53
radical (one-stage) (two-stage) 52.7
subtotal 52.53
paramesonephric duct 69.19
parathyroid gland (partial) (subtotal) NEC -- see also Parathyroidectomy 06.89
parotid gland -- see also Excision, salivary gland 26.30
parovarian cyst 69.19
patella (complete) 77.96
partial 77.86
pelvirectal tissue 48.82
perianal tissue 49.04
skin tags 49.03
pericardial adhesions 37.31
periprostatic tissue 60.82
perirectal tissue 48.82
perineal tissue 49.04
peripheral adhesions 37.31
perirenal tissue 59.91
petrous apex cells 20.59
pharyngeal bands 29.54
pharynx (partial) 29.33
pharyngeal bands 29.54
pharynx (partial) 29.33
scalene fat pad 40.21
scar -- see also Excision, lesion, by site epicardium 37.31
mastoid 20.92
pericardium 37.31
pleura 34.59
skin 86.3
thorax 34.4
secondary membrane, lens 13.65
seminal vesicle 60.73
with radical prostatectomy 60.5
septum -- see also Excision, by site nasal -- see Sinusectomy 86.4
pituitary gland (complete) (total) 07.54
pituitary gland (complete) (total) -- see also Hypophysectomy 07.69
pleura NEC 34.59
polyp -- see also Excision, lesion, by site esophagus 42.32
endoscopic 42.33
large intestine 45.41
endoscopic 45.42
nose 21.31
rectum (endoscopic) 48.36
stomach (endoscopic) 43.41
preauricular appendage (remnant) 18.29
cyst, fistula, or sinus (congenital) 18.21
remnant 18.29
prolapsed iris (in wound) 12.13
prostate -- see Prostatectomy 11.39
with corneal graft 11.32
radius (head) (partial) 77.83
total 77.93
ranula, salivary gland NEC 26.29
rectal mucosa 48.35
rectum -- see Resection, rectum
redundant mucosa
colostomy 45.41
endoscopic 45.43
duodenostomy 45.31
endoscopic 45.30
ileostomy 45.33
jejunostomy 45.33
perineum 71.3
rectum 48.35
vulva 71.3
renal vessel, aberrant 38.66
rib (cervical) 77.91
ring of conjunctiva around cornea 10.31
round ligament 69.19
salivary gland 26.30
complete 26.32
partial 26.31
radical 26.32
scalene fat pad 40.21
scar -- see also Excision, lesion, by site epicardium 37.31
mastoid 20.92
pericardium 37.31
pleura 34.59
skin 86.3
thorax 34.4
secondary membrane, lens 13.65
seminal vesicle 60.73
with radical prostatectomy 60.5
septum -- see also Excision, by site nasal -- see Sinusectomy 86.4
pituitary gland (complete) (total) 07.54
pituitary gland (complete) (total) -- see also Hypophysectomy 07.69
pleura NEC 34.59
polyp -- see also Excision, lesion, by site esophagus 42.32
endoscopic 42.33
large intestine 45.41
endoscopic 45.42
nose 21.31
rectum (endoscopic) 48.36
stomach (endoscopic) 43.41
preauricular appendage (remnant) 18.29
cyst, fistula, or sinus (congenital) 18.21
remnant 18.29
prolapsed iris (in wound) 12.13
prostate -- see Prostatectomy 11.39
with corneal graft 11.32
radius (head) (partial) 77.83
total 77.93
ranula, salivary gland NEC 26.29
rectal mucosa 48.35
rectum -- see Resection, rectum
redundant mucosa
colostomy 45.41
endoscopic 45.43
duodenostomy 45.31
endoscopic 45.30
ileostomy 45.33
jejunostomy 45.33
perineum 71.3
rectum 48.35
vulva 71.3
renal vessel, aberrant 38.66
rib (cervical) 77.91
ring of conjunctiva around cornea 10.31
round ligament 69.19
salivary gland 26.30
complete 26.32
partial 26.31
radical 26.32
scalene fat pad 40.21
scar -- see also Excision, lesion, by site epicardium 37.31
mastoid 20.92
pericardium 37.31
pleura 34.59
skin 86.3
thorax 34.4
secondary membrane, lens 13.65
seminal vesicle 60.73
with radical prostatectomy 60.5
septum -- see also Excision, by site nasal -- see Sinusectomy 86.4
pituitary gland (complete) (total) 07.54
pituitary gland (complete) (total) -- see also Hypophysectomy 07.69
pleura NEC 34.59
polyp -- see also Excision, lesion, by site esophagus 42.32
endoscopic 42.33
large intestine 45.41
endoscopic 45.42
nose 21.31
rectum (endoscopic) 48.36
stomach (endoscopic) 43.41
preauricular appendage (remnant) 18.29
cyst, fistula, or sinus (congenital) 18.21
remnant 18.29
prolapsed iris (in wound) 12.13
prostate -- see Prostatectomy 11.39
with corneal graft 11.32
radius (head) (partial) 77.83
total 77.93
ranula, salivary gland NEC 26.29
Excision ---Cont.
spleen (total) 41.5
accessory 41.93
partial 41.43
stomach -- see Gastrectomy
sublingual gland (salivary) -- see also
Excision, salivary gland 26.30
submaxillary gland -- see also Excision, salivary gland 26.30
supernumerary
breast 85.24
digits 86.26
sweat gland 86.3
synechiae -- see also Lysis, synechiae
endometrial 68.21
tarsal plate (eyelid) 08.20
by wedge resection 08.24
tattoo 86.3
by dermabrasion 86.25
tendon (sheath) 83.42
for graft 83.41
hand 82.32
hand 82.33
for graft 82.32
thymus -- see also Thymectomy 07.80
thyroglossal duct or tract (with resection of hyoid bone) 06.7
thyroid NEC--see also Thyroidectomy 06.39
tongue (complete) (total) 25.3
partial or subtotal 25.2
radical 25.4
tonsil 28.2
with adenoidectomy 28.3
lingual 28.5
tag 28.4
tooth NEC -- see also Removal, tooth, surgical 23.19
from nasal sinus 22.60
torus
lingual 76.2
mandible, mandibularis 76.2
palate, palatinus 27.31
by wide excision 27.32
trabeculae carneae cordis (heart) 35.35
trochanteric lipomatosis 86.83
tumor -- see Excision, lesion, by site
ulcer -- see also Excision, lesion, by site
duodenum 45.31
endoscopic 45.30
stomach 43.42
endoscopic 43.41
umbilicus 54.3
urachus, urachal (cyst) (bladder) 57.51
abdominal wall 54.3
ureter, ureteral 56.40
with nephrectomy -- see Nephrectomy
partial 56.41
stricture 56.41

Excision -ureter ---Cont.
total 56.42
ureterocelec 56.41
urethra, urethral 58.39
endoscopic 58.31
with complete cystectomy 57.79
septum 58.0
stricture 58.39
endoscopic 58.31
valve (congenital) 58.39
endoscopic (transurethral)
(transvesical) 58.31
urethrovesical septum 70.33
uterus (corpus) -- see also Hysterectomy 68.9
cervix 67.4
lesion 67.39
lesion 68.29
septum 68.22
uvula 27.72
vagina (total) 70.4
varicocele, spermatic cord 63.1
vein -- see also Phlebectomy 38.60
varicose 38.50
abdominal 38.57
head and neck NEC 38.52
intracranial NEC 38.51
lower limb 38.59
ovarian 38.67
thoracic NEC 38.55
upper limb 38.53
verucca -- see also Excision, lesion, by site
eyelid 08.22
vesicovaginal septum 70.33
vitreous opacity 14.74
anterior approach 14.73
vocal cord(s) (submucous) 30.22
vulva (bilateral) (simple) -- see also
Vulvectomy 71.62
wart -- see also Excision, lesion, by site
eyelid 08.22
wolffian duct 69.19
xanthoma (tendon sheath, hand) 82.21
site other than hand 83.31
Excisional biopsy -- see Biopsy
Exclusion, pyloric 44.39
laparoscopic 44.38
Exenteration
ethmoid air cells 22.63
orbit 16.59
with
removal of adjacent structures 16.51
temporalis muscle transplant 16.59
therapeutic removal of bone 16.52
pelvic (organs) (female) 68.8
male 57.71
petrous pyramid air cells 20.59
**Exercise (physical therapy) NEC** 93.19
  - active musculoskeletal NEC 93.12
  - assisting 93.11
    - in pool 93.31
  - breathing 93.18
  - musculoskeletal
    - active NEC 93.12
    - passive NEC 93.17
  - neurologic 89.13
  - passive musculoskeletal NEC 93.17
  - resistive 93.13

**Exfoliation, skin, by chemical** 86.24

**Exostectomy** -- see also Excision, lesion, bone 77.60
  - first metatarsal (hallux valgus repair) -- see Bunionectomy
  - hallux valgus repair (with wedge osteotomy) -- see Bunionectomy

**Expiratory flow rate** 89.38

**Explant, explantation** - see Removal

**Exploration** -- see also Incision
  - abdomen 54.11
  - abdominal wall 54.0
  - adrenal (gland) 07.41
    - field 07.00
    - bilateral 07.02
    - unilateral 07.01
  - artery 38.00
    - abdominal 38.06
      - aorta (arch) (ascending) (descending) 38.04
  - head and neck NEC 38.02
  - intracranial NEC 38.01
  - lower limb 38.08
  - thoracic NEC 38.05
  - upper limb 38.03
  - auditory canal, external 18.02
  - axilla 86.09
  - bile duct(s) 51.59
    - common duct 51.51
    - endoscopic 51.11
      - for
        - relief of obstruction 51.42
          - endoscopic 51.84
        - removal of calculus 51.41
          - endoscopic 51.88
    - laparoscopic 51.11
      - for relief of obstruction 51.49
        - endoscopic 51.84
    - bladder (by incision) 57.19
      - endoscopic 57.32
        - through stoma (artificial) 57.31
    - bone -- see also Incision, bone 77.10
    - brain (tissue) 01.39
    - breast 85.0
    - bronchus 33.0
      - endoscopic -- see Bronchoscopy
ICD-9-CM INDEX TO PROCEDURES (FY07)

**Exploration ---Cont.**

- **liver** 50.0
- **lung (by incision)** 33.1
- **lymphatic structure(s) (channel) (node) (vessel)** 40.0
- **mastoid** 20.21
- **maxillary antrum or sinus (Caldwell-Luc approach)** 22.39
- **mediastinum** 34.1
- **endoscopic** 34.22
- **middle ear (trans tympanic)** 20.23
- **muscle** 83.02
  - hand 82.02
- **neck** -- see also Exploration, thyroid 06.09
- **nerve (cranial) (peripheral) NEC** 04.04
  - **auditory** 04.01
  - **root (spinal)** 03.09
- **nose** 21.1
- **orbit** -- see also Orbitotomy 16.09
- **pancreas** 52.09
  - **endoscopic** 52.13
  - **pancreatic duct** 52.09
  - **endoscopic** 52.13
- **pelvis (by laparotomy)** 54.11
  - by colpotomy 70.12
- **penis** 64.92
- **perinephric area** 59.09
- **perineum (female)** 71.09
  - **male** 86.09
- **peripheral vessels**
  - **lower limb**
    - **artery** 38.08
    - **vein** 38.09
    - **upper limb (artery) (vein)** 38.03
  - **peri prostatic tissue** 60.81
  - **perirenal tissue** 59.09
  - **perivesical tissue** 59.19
  - **petrous pyramid air cells** 20.22
  - **pilonidal sinus** 86.03
  - **pineal (gland)** 07.52
    - **field** 07.51
  - **pituitary (gland)** 07.72
    - **fossa** 07.71
  - **pleura** 34.09
  - **popliteal space** 86.09
  - **prostate** 60.0
  - **rectum** -- see also Proctoscopy 48.23
    - by incision 48.0
  - **retroperitoneum** 54.0
  - **retropubic** 59.19
  - **salivary gland** 26.0
  - **sclera (by incision)** 12.89
  - **scrotum** 61.0
  - **shunt**
    - **ventriculoperitoneal at peritoneal site** 54.95
    - **ventricular site** 02.41

- **exploration**
  - **sinus**
    - **ethmoid** 22.51
    - **frontal** 22.41
  - **maxillary (Caldwell-Luc approach)** 22.39
  - **sphenoid** 22.52
  - **tract, skin and subcutaneous tissue** 86.09
  - **skin** 86.09
  - **soft tissue NEC** 83.09
    - hand 82.09
  - **spermatic cord** 63.93
  - **sphenoidal sinus** 22.52
  - **spinal (canal) (nerve root)** 03.09
  - **spleen** 41.2
  - **stomach (by incision)** 43.0
    - **endoscopic** -- see Gastroscopy
  - **subcutaneous tissue** 86.09
  - **subdiaphragmatic space** 54.11
  - **superficial fossa** 86.09
  - **tarsal tunnel** 04.44
  - **tendon (sheath)** 83.01
    - hand 82.01
  - **testes** 62.0
  - **thymus (gland)** 07.92
    - **field** 07.91
  - **thyroid (field) (gland)** (by incision) 06.09
    - **postoperative** 06.02
  - **trachea (by incision)** 31.3
    - **endoscopic** -- see Tracheoscopy
  - **tunica vaginalis** 61.0
  - ** tympanum** 20.09
    - **trans tympanic route** 20.23
  - **ureter (by incision)** 56.2
    - **endoscopic** 56.31
  - **urethra (by incision)** 58.0
    - **endoscopic** 58.22
  - **uterus (corpus)** 68.0
    - **cervix** 69.95
    - **digital** 68.11
    - **postpartal, manual** 75.7
  - **vagina (by incision)** 70.14
    - **endoscopic** 70.21
  - **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
  - **vulva (by incision)** 71.09

**Exposure**

-- see also Incision, by site

**Expression, trachoma follicles** 10.33

**Exsanguination transfusion** 99.01
Extension
- buccolabial sulcus 24.91
- limb, forced 93.25
- lingual sulcus 24.91
- mandibular ridge 76.43

Exteriorization
- esophageal pouch 42.12
- intestine 46.03
  - large 46.03
  - small 46.01
- maxillary sinus 22.9
- pilonidal cyst or sinus (open excision)
  (with partial closure) 86.21

Exirpation -- see also Excision, by site
aneurysm -- see Aneuysmectomy
arteriovenous fistula
-- see Aneuysmectomy
lacrimal sac 09.6
larynx 30.3
  - with radical neck dissection (with
  synchronous thyroidectomy) (with
  synchronous tracheostomy) 30.4
nerve, tooth -- see also Therapy,
  root canal 23.70
varicose vein (peripheral) (lower limb) 38.59
  upper limb 38.53

Extracorporeal
- circulation (regional), except hepatic 39.61
  - hepatic 50.92
  - percutaneous 39.66
  - hemodialysis 39.95
  - membrane oxygenation (ECMO) 39.65
  - photopheresis, therapeutic 99.88
  - shockwave lithotripsy (ESWL) NEC 98.59
    - bile duct 98.52
    - bladder 98.51
    - gallbladder 98.52
    - kidney 98.51
    - renal pelvis 98.51
    - specified site NEC 98.59
    - ureter 98.51

Extracranial-intracranial bypass [EC-IC] 39.28

Extraction
- breech (partial) 72.52
  - with forceps to aftercoming head 72.51
    - total 72.54
    - with forceps to aftercoming head
      72.53
- cataract 13.19
  - after cataract (by)
    - capsulectomy 13.65
    - capsulotomy 13.64
    - discission 13.64
    - excision 13.65
    - iridocapsulectomy 13.65
    - mechanical fragmentation 13.66
    - needling 13.64
    - phacoemulsification (mechanical) 13.66

Extraction - cataract -- Cont.
- aspiration (simple) (with irrigation) 13.3
- cryoextracapsular approach (intracapsular approach)
  13.19
  - temporal inferior route (in presence
    of fistulization bleb) 13.11
- currette evacuation (extracapsular
  approach) 13.2
- emulsification (and aspiration) 13.41
- erysiphake (intracapsular approach)
  13.19
  - temporal inferior route (in presence
    of fistulization bleb) 13.11
- extracapsular approach (with
  iridectomy) NEC 13.59
  - by temporal inferior route (in
    presence of fistulization bleb)
    13.51
  - aspiration (simple) (with irrigation) 13.3
  - currette evacuation 13.2
- emulsification and aspiration 13.41
  - linear extraction 13.2
- mechanical fragmentation with
  aspiration by
  - posterior route 13.42
  - specified route NEC 13.43
- phacoemulsification (ultrasonic)
  (with aspiration) 13.41
- phacoemulsification (mechanical)
  with aspiration by
  - posterior route 13.42
  - specified route NEC 13.43
- ultrasonic (with aspiration) 13.41
- rotoextracapsular approach (mechanical) with
  aspiration by
  - posterior route 13.42
  - specified route NEC 13.43
- intracapsular (combined) (simple)
  - (with iridectomy) (with succion)
    (with zonulolysis) 13.19
  - by temporal inferior route (in
    presence of fistulization bleb) 13.11
  - linear extraction (extracapsular
    approach) 13.2
  - phacoemulsification (and aspiration)
    13.41
  - phacoemulsification (mechanical)
    with aspiration by
    - posterior route 13.42
    - specified route NEC 13.43
  - ultrasonic 13.41
  - rotoextracapsular approach (mechanical)
    with aspiration by
    - posterior route 13.42
    - specified route NEC 13.43
Extraction - cataract -- Cont.
  secondary membranous (after
cataract) (by)
capsulectomy 13.65
capsulotomy 13.64
discission 13.64
excision 13.65
iridocapsulectomy 13.65
mechanical fragmentation 13.66
needling 13.64
phacoemulsification (mechanical)
  13.66
common duct stones (percutaneous)
  (through sinus tract) (with basket)
  51.96
foreign body -- see Removal, foreign
body
kidney stone(s), percutaneous 55.03
  with fragmentation procedure 55.04
lens (eye) -- see also Extraction,
cataract 13.19
Malstrom's 72.79
  with episiotomy 72.71
menstrual, menses 69.6
milk from lactating breast (manual)
  (pump) 99.98
tooth (by forceps) (multiple) (single)
  NEC 23.09
  with mucoperiosteal flap elevation
  23.19
deciduous 23.01
surgical NEC -- see also Removal,
tooth, surgical 23.19
vacuum, fetus 72.79
  with episiotomy 72.71
vitreous -- see also Removal, vitreous
  14.72
### ICD-9-CM INDEX TO PROCEDURES (FY07)

**F**

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Face lift</td>
<td>86.82</td>
</tr>
<tr>
<td>Facetectomy</td>
<td>77.89</td>
</tr>
<tr>
<td>Facilitation, intraocular circulation NEC</td>
<td>12.59</td>
</tr>
<tr>
<td>Failed (trial) forceps</td>
<td>73.3</td>
</tr>
<tr>
<td>Family counselling (medical) (social)</td>
<td>94.49</td>
</tr>
<tr>
<td>Farabeuf operation (ischiopubiotomy)</td>
<td>77.39</td>
</tr>
<tr>
<td>Fasanella-Servatt operation</td>
<td>08.35</td>
</tr>
<tr>
<td>Fasciaplasty</td>
<td>83.89</td>
</tr>
<tr>
<td>Fascia sling operation--see Operation, sling</td>
<td></td>
</tr>
<tr>
<td>Fasciectomy</td>
<td>83.44</td>
</tr>
<tr>
<td>for graft</td>
<td>83.43</td>
</tr>
<tr>
<td>hand</td>
<td>82.34</td>
</tr>
<tr>
<td>for graft</td>
<td>82.35</td>
</tr>
<tr>
<td>palmar (release of Dupuytren's contracture)</td>
<td>82.35</td>
</tr>
<tr>
<td>Fasciodesis</td>
<td>83.89</td>
</tr>
<tr>
<td>hand</td>
<td>82.89</td>
</tr>
<tr>
<td>Fascioplasty--see also Repair, fascia</td>
<td>83.89</td>
</tr>
<tr>
<td>hand--see also Repair, fascia, hand</td>
<td>82.89</td>
</tr>
<tr>
<td>Fasciorrhaphy--see also Suture, fascia</td>
<td></td>
</tr>
<tr>
<td>Fasciotomy</td>
<td>83.14</td>
</tr>
<tr>
<td>Dupuytren's</td>
<td>82.12</td>
</tr>
<tr>
<td>with excision</td>
<td>82.35</td>
</tr>
<tr>
<td>Dwyer</td>
<td>83.14</td>
</tr>
<tr>
<td>hand</td>
<td>82.12</td>
</tr>
<tr>
<td>Ober-Yount</td>
<td>83.14</td>
</tr>
<tr>
<td>orbital -- see also Orbitotomy</td>
<td>16.09</td>
</tr>
<tr>
<td>palmar (release of Dupuytren's contracture)</td>
<td>82.12</td>
</tr>
<tr>
<td>with excision</td>
<td>82.35</td>
</tr>
<tr>
<td>Fenestration</td>
<td></td>
</tr>
<tr>
<td>aneurysm (dissecting), thoracic aorta</td>
<td>39.54</td>
</tr>
<tr>
<td>aortic aneurysm</td>
<td>39.54</td>
</tr>
<tr>
<td>cardiac valve</td>
<td>35.10</td>
</tr>
<tr>
<td>chest wall</td>
<td>34.01</td>
</tr>
<tr>
<td>ear</td>
<td></td>
</tr>
<tr>
<td>inner (with graft)</td>
<td>20.61</td>
</tr>
<tr>
<td>revision</td>
<td>20.62</td>
</tr>
<tr>
<td>tympanic</td>
<td>19.55</td>
</tr>
<tr>
<td>labyrinth (with graft)</td>
<td>20.61</td>
</tr>
<tr>
<td>Lempert's (endaural)</td>
<td>19.9</td>
</tr>
<tr>
<td>operation (aorta)</td>
<td>39.54</td>
</tr>
<tr>
<td>oval window, ear canal</td>
<td>19.55</td>
</tr>
<tr>
<td>palate</td>
<td>27.1</td>
</tr>
<tr>
<td>pericardium</td>
<td>37.12</td>
</tr>
<tr>
<td>semicircular canals (with graft)</td>
<td>20.61</td>
</tr>
<tr>
<td>stapes foot plate (with vein graft)</td>
<td>19.19</td>
</tr>
<tr>
<td>with incus replacement</td>
<td>19.11</td>
</tr>
<tr>
<td>tympanic membrane</td>
<td>19.55</td>
</tr>
<tr>
<td>vestibule (with graft)</td>
<td>20.61</td>
</tr>
<tr>
<td>Ferguson operation (hernia repair)</td>
<td>53.00</td>
</tr>
<tr>
<td>Fetography</td>
<td>87.81</td>
</tr>
<tr>
<td>Fetoscopy</td>
<td>75.31</td>
</tr>
<tr>
<td>Fiberoscopy -- see Endoscopy, by site</td>
<td></td>
</tr>
<tr>
<td>Fibroectomy, uterine</td>
<td>68.29</td>
</tr>
<tr>
<td>Fick operation (perforation of foot plate)</td>
<td>19.0</td>
</tr>
<tr>
<td>Filipuncture (aneurysm)</td>
<td>39.52</td>
</tr>
<tr>
<td>Filleting</td>
<td></td>
</tr>
<tr>
<td>hammer toe</td>
<td>77.56</td>
</tr>
<tr>
<td>pancreas</td>
<td>52.3</td>
</tr>
<tr>
<td>Filling, tooth (amalgam)(plastic)(silicate)</td>
<td>23.2</td>
</tr>
<tr>
<td>root canal -- see also Therapy, root canal</td>
<td>23.70</td>
</tr>
<tr>
<td>Fimbriectomy -- see also Salpingectomy, partial</td>
<td>66.69</td>
</tr>
<tr>
<td>Uchida (with tubal ligation)</td>
<td>66.32</td>
</tr>
<tr>
<td>Finney operation (pyloroplasty)</td>
<td>44.29</td>
</tr>
<tr>
<td>Fissurectomy, anal</td>
<td>49.39</td>
</tr>
<tr>
<td>endoscopic</td>
<td>49.31</td>
</tr>
<tr>
<td>skin(subcutaneous tissue)</td>
<td>49.04</td>
</tr>
<tr>
<td>Fistulectomy--see also Closure, fistula, by site</td>
<td>34.83</td>
</tr>
<tr>
<td>abdominothoracic</td>
<td>34.83</td>
</tr>
<tr>
<td>abdominouterine</td>
<td>69.42</td>
</tr>
<tr>
<td>anus</td>
<td>49.12</td>
</tr>
<tr>
<td>appendix</td>
<td>47.92</td>
</tr>
<tr>
<td>bile duct</td>
<td>51.79</td>
</tr>
<tr>
<td>biliary tract NEC</td>
<td>51.79</td>
</tr>
<tr>
<td>bladder (transurethral approach)</td>
<td>57.84</td>
</tr>
<tr>
<td>bone--see also Excision, lesion, bone</td>
<td>77.60</td>
</tr>
<tr>
<td>branchial cleft</td>
<td>29.52</td>
</tr>
<tr>
<td>bronchocutaneous</td>
<td>33.42</td>
</tr>
<tr>
<td>bronchoesophageal</td>
<td>33.42</td>
</tr>
<tr>
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<td>34.73</td>
</tr>
<tr>
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<td>34.73</td>
</tr>
<tr>
<td>bronchopleurocutaneous</td>
<td>34.73</td>
</tr>
<tr>
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<td>34.73</td>
</tr>
<tr>
<td>bronchovisceral</td>
<td>33.42</td>
</tr>
<tr>
<td>cervicosigmoidial</td>
<td>67.62</td>
</tr>
<tr>
<td>cholecystogastroenteric</td>
<td>51.93</td>
</tr>
<tr>
<td>cornea</td>
<td>11.49</td>
</tr>
<tr>
<td>diaphragm</td>
<td>34.83</td>
</tr>
<tr>
<td>enterouterine</td>
<td>69.42</td>
</tr>
<tr>
<td>esophagopleurocutaneous</td>
<td>34.73</td>
</tr>
<tr>
<td>esophagus NEC</td>
<td>42.84</td>
</tr>
<tr>
<td>fallopian tube</td>
<td>66.73</td>
</tr>
<tr>
<td>gallbladder</td>
<td>51.93</td>
</tr>
<tr>
<td>gastric NEC</td>
<td>44.63</td>
</tr>
<tr>
<td>hepatic duct</td>
<td>51.79</td>
</tr>
<tr>
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<td>34.73</td>
</tr>
<tr>
<td>hepatopulmonary</td>
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<tr>
<td>intestine</td>
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<tr>
<td>large</td>
<td>46.76</td>
</tr>
<tr>
<td>small</td>
<td>46.74</td>
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<tr>
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<td>69.42</td>
</tr>
<tr>
<td>joint--see also Excision, lesion, joint</td>
<td>80.80</td>
</tr>
</tbody>
</table>
**Fistulectomy---Cont.**

- lacrimal gland 09.21
- sac 09.6
- laryngotracheal 31.62
- larynx 31.62
- mediastinocutaneous 34.73
- mouth NEC 27.53
- nasal 21.82
- sinus 22.71
- nasolabial 21.82
- nasopharyngeal 21.82
- oroantral 22.71
- oronasal 21.82
- pancreas 52.95
- perineal 71.72
- perineosigmoidal 71.72
- perineorectal, not opening into rectum 48.93
- pharyngoesophageal 29.53
- pharynx NEC 29.53
- pleura 34.73
- rectal 71.72
- rectourethral 58.43
- rectouterine 69.42
- rectovaginal 70.73
- rectovesical 57.83
- rectovulvar 71.72
- rectum 48.73
- salivary (duct) (gland) 26.42
- scrotal 61.42
- skin 86.3
- stomach NEC 44.63
- subcutaneous tissue 86.3
- thoracoabdominal 34.83
- thoracocutaneous 34.83
- thoracointestinal 34.83
- thorax NEC 34.73
- trachea NEC 31.73
- tracheoesophageal 31.73
- ureter 56.84
- urethra 58.43
- uteroenteric 69.42
- uterointestinal 69.42
- uterovaginal 69.42
- vagina 70.75
- vesicosigmoidovaginal 57.83
- vocal cords 31.62
- vulvovaginal 71.72

**Fistulization---Cont.**

- interatrial 35.41
- labyrinth (for decompression) 20.79
- lacrimal sac into nasal cavity 09.81
- larynx 31.29
- lymphatic duct, left (thoracic) 40.62
- orbit 16.09
- peritoneal 54.93
- salivary gland 26.49
- sclera 12.69
  - by trephination 12.61
  - with iridectomy 12.65
- sinus, nasal NEC 22.9
- subarachnoid space 02.2
- thoracic duct 40.62
- trachea 31.29
- tracheoesophageal 31.95
- urethrovaginal 58.0
- ventricle, cerebral -- see also Shunt, ventricular 02.2

**Fistulogram**

- abdominal wall 88.03
- chest wall 87.38
- retroperitoneum 88.14
- specified site NEC 88.49

**Fistulotomy, anal** 49.11

**Fitting**

- arch bars (orthodontic) 24.7
- for immobilization (fracture) 93.55
- artificial limb 84.40
- contact lens 95.32
- denture (total) 99.97
  - bridge (fixed) 23.42
  - removable 23.43
  - partial (fixed) 23.42
  - removable 23.43
- hearing aid 95.48
- obturator (orthodontic) 24.7
- ocular prosthetics 95.34
- orthodontic appliance 24.7
- obturator 24.7
- wiring 24.7
- orthotic device 93.23
- periodontal splint (orthodontic) 24.7
- prosthesis, prosthetic device
  - above knee 84.45
    - arm 84.43
      - lower (and hand) 84.42
      - upper (and shoulder) 84.41
    - below knee 84.46
  - hand (and lower arm) 84.42
  - leg 84.47
    - above knee 84.45
    - below knee 84.46
  - limb NEC 84.40
  - ocular 95.34
  - penis (external) 64.94
Fitting - prosthesis -- Cont.
shoulder (and upper arm) 84.41
spectacles 95.31
Five-in-one repair, knee 81.42
Fixation
bone
external, without reduction 93.59
with fracture reduction
-- see Reduction, fracture
cast immobilization NEC 93.53
external fixator - see Fixator, external
traction (skeletal) NEC 93.44
intermittent 93.43
internal (without fracture reduction) 78.50
with fracture reduction
-- see Reduction, fracture
carpal, metacarpal 78.54
clavicle 78.51
femur 78.55
fibula 78.57
humerus 78.52
patella 78.56
pelvic 78.59
phalanges (foot) (hand) 78.59
radius 78.53
scapula 78.51
specified site NEC 78.59
tarsal, metatarsal 78.58
thorax (ribs) (sternum) 78.51
tibia 78.57
ulna 78.53
vertebrae 78.59
breast (pendulous) 85.6
cardinal ligaments 69.22
cervical collar 93.52
duodenum 46.62
to abdominal wall 46.61
external (without manipulation for reduction) 93.59
with fracture reduction
-- see Reduction, fracture
cast immobilization NEC 93.53
pressure dressing 93.56
splint 93.54
strapping (non-traaction) 93.59
traction (skeletal) NEC 93.44
intermittent 93.43
hip 81.40
ileum 46.62
to abdominal wall 46.61
internal
with fracture reduction
-- see Reduction, fracture
without fracture reduction
-- see Fixation, bone, internal
Fixation -- Cont.
intestine 46.60
large 46.64
to abdominal wall 46.63
small 46.62
to abdominal wall 46.61
iris (bombé) 12.11
jejenum 46.62
to abdominal wall 46.61
joint -- see Arthroplasty
kidney 55.7
ligament
cardinal 69.22
palpebrae 08.36
omentum 54.74
parametrial 69.22
plaster jacket 93.51
other cast 93.53
rectum (slings) 48.76
spine, with fusion -- see also Fusion, spinal
81.00
spleen 41.95
splint 93.54
tendon 83.88
hand 82.85
testis in scrotum 62.5
tongue 25.59
urethrovaginal (to Cooper's ligament) 70.77
uterus (abdominal) (vaginal)
(ventrofixation) 69.22
vagina 70.77
Fixator, external
computer assisted (dependent) 84.73
hybrid device or system 84.73
Ilizarov type 84.72
monoplanar system 84.71
ring device or system 84.72
Sheffield type 84.72
Flooding (psychologic desensitization) 94.33
Flowmetry, Doppler (ultrasonic)
-- see also Ultrasonography
aortic arch 88.73
head and neck 88.71
heart 88.72
thorax NEC 88.73
Fluoroscopy -- see Radiography
Fog therapy (respiratory) 93.94
Folding, eye muscle 15.22
multiple (two or more muscles) 15.4
Foley operation (pyeloplasty) 55.87
Fontan operation (creation of conduit
between right atrium and pulmonary
artery) 35.94
Foraminotomy 03.09
Forced extension, limb 93.25
Forceps delivery -- see Delivery, forceps
**Formation**

- pericardial adhesions 36.39
- pleura 34.6
- anus, artificial -- see also Colostomy 46.13
- duodenostomy 46.39
- ileostomy -- see also Ileostomy 46.23
- jejunostomy 46.39
- percutaneous (endoscopic) (PEJ) 46.32
- arteriovenous fistula (for kidney dialysis) (peripheral) (shunt) 39.27
- external cannula 39.93
- cardiac device (defibrillator) (pacemaker) pocket
  - with initial insertion of cardiac device -- omit code
  - new site (skin)(subcutaneous) 37.79
- colostomy -- see also Colostomy 46.13
- conduit
  - ileal (urinary) 56.51
  - left ventricle and aorta 35.93
  - right atrium and pulmonary artery 35.94
  - right ventricle and pulmonary (distal) artery 35.92
  - in repair of pulmonary artery atresia 35.92
  - transposition of great vessels 35.92
  - truncus arteriosus 35.83
- endorectal ileal pouch (J-pouch) (H-pouch) (S-pouch) (with anastomosis to anus) 45.95
- fistula
  - arteriovenous (for kidney dialysis) (peripheral shunt) 39.27
  - external cannula 39.93
  - bladder to skin NEC 57.18
  - with bladder flap 57.21
  - percutaneous 57.17
  - cutaneoperitoneal 54.93
  - gastric 43.19
  - percutaneous (endoscopic) (transabdominal) 43.11
  - mucous -- see also Colostomy 46.13
  - rectovaginal 48.99
  - tracheoesophageal 31.95
  - tubulovascular fistula (Beck-Jianu) (Frank's) (Janeway) (Spivack's) (Ssabanejew-Frank) 43.19
  - ureterovaginal 58.0
- ileal
  - bladder
    - closed 57.87 (45.51)
    - open 56.51
  - conduit 56.51
- interatrial fistula 35.42
- mucous fistula -- see also Colostomy 46.13
- pericardial
  - baffle, interatrial 35.91

**Formation** - pericardial ---Cont.

- pleural window 37.12
- pleural window (for drainage) 34.09
- pocket
  - cardiac device (defibrillator) (pacemaker) with initial insertion of cardiac device
    - omit code
  - new site (skin)(subcutaneous) 37.79
  - loop recorder 37.79
  - thalamic stimulator pulse generator with initial insertion of battery package
    - omit code
  - new site (skin)(subcutaneous) 86.09
- pupil 12.39
  - by iridectomy 12.14
  - rectovaginal fistula 48.99
- reversed gastric tube (intrathoracic) (retrosternal) 42.58
- septal defect, interatrial 35.42
- shunt
  - abdominovenous 54.94
  - arteriovenous 39.93
  - peritoneojugular 54.94
  - peritoneo-vascular 54.94
  - pleuroperitoneal 34.05
  - transjugular intrahepatic portosystemic (TIPS) 39.1
- subcutaneous tunnel
  - esophageal 42.86
    - with anastomosis -- see Anastomosis, esophagus, antesternal
  - pulse generator lead wire 86.99
    - with initial procedure
      - omit code
  - thalamic stimulator pulse generator pocket
    - with initial insertion of battery package
      - omit code
    - new site (skin)(subcutaneous) 86.09
  - syndactyly (finger) (toe) 86.89
  - tracheoesophageal 31.95
  - tubulovascular fistula (Beck-Jianu) (Frank's) (Janeway) (Spivack's) (Ssabanejew-Frank) 43.19
- uretero-ileostomy, cutaneous 56.51
- ureterostomy, cutaneous 56.61
- ileal 56.51
- urethrovaginal fistula 58.0
- window
  - pericardial 37.12
  - pleural (for drainage) 34.09

**Fothergill (-Donald) operation** (uterine suspension) 69.22

**Fowler operation**

- arthroplasty of metacarpophalangeal joint 81.72
- release (mallet finger repair) 82.84
- tenodesis (hand) 82.85
- thoracoplasty 33.34
ICD-9-CM INDEX TO PROCEDURES (FY07)

Fox operation (entropion repair with wedge resection) 08.43
Fracture, surgical -- see also Osteoclasis 78.70
turbinates (nasal) 21.62
Fragmentation
  cataract (with aspiration) 13.43
  posterior route 13.42
  secondary membrane 13.66
  secondary membrane (after cataract) 13.66
ultrasonic
  cataract (with aspiration) 13.41
  stones, urinary (Kock pouch) 59.95
  urinary stones 59.95
  percutaneous nephrostomy 55.04
Franco operation (suprapubic cystotomy) 57.18
Frank operation (permanent gastrostomy) 43.19
Frazier (-Spiller) operation (subtemporal trigeminal rhizotomy) 04.02
Ffredet-Ramstedt operation (pyloromyotomy) (with wedge resection) 43.3
Freeing
  adhesions -- see Lysis, adhesions
  anterior synechiae (with injection of air or liquid) 12.32
  artery-vein-nerve bundle 39.91
  extraocular muscle, entrapped 15.7
  goniosynechiae (with injection of air or liquid) 12.31
  intestinal segment for interposition 45.50
  large 45.52
  small 45.51
  posterior synechiae 12.33
  synechiae (posterior) 12.33
  anterior (with injection of air or liquid) 12.32
  vascular bundle 39.91
  vessel 39.91
Freezing
  gastric 96.32
  prostate 60.62
Frenckner operation (intrapetrosal drainage) 20.22
Frenectomy operation (intraperitoneal drainage) 20.22
Frenectomy
  labial 27.41
  lingual 25.92
  lip 27.41
Frenectomy -- Cont.
  maxillary 27.41
  tongue 25.92
Frenotomy
  labial 27.91
  lingual 25.91
Frenulometry -- see Frenectomy
Frickman operation (abdominal proctectomy) 48.75
Frommel operation (shortening of uterosacral ligaments) 69.22
Ful Georgetown -- see also Electrocoagulation and Destruction, lesion, by site
  adenoid fossa 28.7
  anus 49.39
  endoscopic 49.31
  bladder (transurethral) 57.49
  suprapubic 57.59
  choroid 14.21
  duodenum 45.32
  endoscopic 45.30
  esophagus 42.39
  endoscopic 42.33
  large intestine 45.49
  endoscopic 45.43
  polypectomy 45.42
  penis 64.2
  perineum, female 71.3
  prostate, transurethral 60.29
  rectum 48.32
    radical 48.31
  retina 14.21
  scrotum 61.3
  Skene's gland 71.3
  skin 86.3
  small intestine NEC 45.34
    duodenum 45.32
    endoscopic 45.30
  stomach 43.49
    endoscopic 43.41
  subcutaneous tissue 86.3
  tonsillar fossa 28.7
  urethra 58.39
    endoscopic 58.31
  vulva 71.3
Function
  study -- see also Scan, radioisotope
    gastric 89.39
    muscle 93.08
    ocularg 95.25
    nasal 89.12
    pulmonary -- see categories 89.37-89.38
    renal 92.03
    thyroid 92.01
    urethral sphincter 89.23
Fundectomy, uterine 68.39
Fundoplication (esophageal) (Nissen's) 44.66
laparoscopic 44.67
Fundectomy, gastric 43.89
Fusion

atlas-axis (spine) - see Fusion, spinal, atlas-axis
bone -- see also Osteoplasty 78.40
cervical (spine) (C2 level or below) - see Fusion, spinal, cervical
claw toe 77.57
craniocervical-see Fusion, spinal, craniocervical
dorsal, dorsolumbar - see Fusion, spinal, dorsal, dorsolumbar
epiphyseal-diaphyseal -- see also Arrest, bone growth 78.20
epiphysiodesis -- see also Arrest, bone growth 78.20
hammer toe 77.56
joint (with bone graft) -- see also Arthrodesis 81.20
ankle 81.11
claw toe 77.57
foot NEC 81.17
hammer toe 77.56
hip 81.21
interphalangeal, finger 81.28
ischiofemoral 81.21
metatarsophalangeal 81.16
midtarsal 81.14
overlapping toe(s) 77.58
pantalar 81.11
spinal -- see also Fusion, spinal 81.00
subtalar 81.13
tarsal joints NEC 81.17
tarsometatarsal 81.15
tibiotalar 81.11
toe NEC 77.58
claw toe 77.57
hammer toe 77.56
overlapping toe(s) 77.58
lip to tongue 25.59
lumbar, lumbosacral - see Fusion, spinal, lumbar, lumbosacral
occiput-C2 (spinal) - see Fusion, spinal, occiput

Fusion ---Cont.

spinal (with graft) (with internal fixation)
(with instrumentation) 81.00
anterior lumbar interbody fusion (ALIF) 81.06
atlas-axis (anterior transoral) (posterior) 81.01
for pseudarthrosis 81.31
cervical (C2 level or below) NEC 81.02
anterior (interbody), anterolateral technique 81.02
for pseudarthrosis 81.32
C1-C2 level (anterior)(posterior) 81.01
for pseudarthrosis 81.31
for pseudarthrosis 81.32
posterior (interbody), posterolateral technique 81.03
for pseudarthrosis 81.33
craniocervical (anterior transoral) (posterior) 81.01
for pseudarthrosis 81.31
dorsal, dorsolumbar NEC 81.05
anterior (interbody), anterolateral technique 81.04
for pseudarthrosis 81.34
for pseudarthrosis 81.35
posterior (interbody), posterolateral technique 81.05
for pseudarthrosis 81.35
lumbar, lumbosacral NEC 81.08
anterior (interbody), anterolateral technique 81.06
for pseudarthrosis 81.36
for pseudarthrosis 81.38
lateral transverse process technique 81.07
for pseudarthrosis 81.37
posterior (interbody), posterolateral technique 81.08
for pseudarthrosis 81.38
number of vertebrae - see codes 81.62 - 81.64
occiput-C2 (anterior transoral) (posterior) 81.01
for pseudarthrosis 81.31
posterior lumbar interbody fusion (PLIF) 81.08
transforaminal lumbar interbody fusion (TLIF) 81.08

Note: Also use either 81.62, 81.63, or 81.64 as an additional code to show the total number of vertebrae fused

tongue (to lip) 25.59
### G

<table>
<thead>
<tr>
<th>Term</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gait training</td>
<td>93.22</td>
</tr>
<tr>
<td>Galeaplasty</td>
<td>86.89</td>
</tr>
<tr>
<td>Galvanoionization</td>
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</tr>
<tr>
<td>Games</td>
<td></td>
</tr>
<tr>
<td>competitive</td>
<td>94.39</td>
</tr>
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<td>organized</td>
<td>93.89</td>
</tr>
<tr>
<td>Gamma irradiation, stereotactic</td>
<td>92.32</td>
</tr>
<tr>
<td>Ganglionectomy</td>
<td></td>
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<td>04.05</td>
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<td>lumbar sympathetic</td>
<td>05.23</td>
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<td>nerve (cranial) (peripheral) NEC</td>
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<tr>
<td>sympathetic</td>
<td>05.29</td>
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<tr>
<td>sphenopalatine (Meckel's)</td>
<td>05.21</td>
</tr>
<tr>
<td>tendon sheath (wrist)</td>
<td>82.21</td>
</tr>
<tr>
<td>site other than hand</td>
<td>83.31</td>
</tr>
<tr>
<td>trigeminal</td>
<td>04.05</td>
</tr>
<tr>
<td>Ganglionotomy, trigeminal</td>
<td>04.02</td>
</tr>
<tr>
<td>(radiofrequency)</td>
<td></td>
</tr>
<tr>
<td>Gant operation</td>
<td></td>
</tr>
<tr>
<td>(wedge osteotomy of trochanter)</td>
<td>77.25</td>
</tr>
<tr>
<td>Garceau operation</td>
<td></td>
</tr>
<tr>
<td>(tibial tendon transfer)</td>
<td>83.75</td>
</tr>
<tr>
<td>Gardner operation</td>
<td></td>
</tr>
<tr>
<td>(spinal meningocele repair)</td>
<td>03.51</td>
</tr>
<tr>
<td>Gas endarterectomy</td>
<td></td>
</tr>
<tr>
<td>abdominal</td>
<td>38.16</td>
</tr>
<tr>
<td>aorta (arch) (ascending)(descending)</td>
<td>38.14</td>
</tr>
<tr>
<td>coronary artery</td>
<td>36.09</td>
</tr>
<tr>
<td>head and neck NEC</td>
<td>38.12</td>
</tr>
<tr>
<td>intracranial NEC</td>
<td>38.11</td>
</tr>
<tr>
<td>lower limb</td>
<td>38.18</td>
</tr>
<tr>
<td>thoracic NEC</td>
<td>38.15</td>
</tr>
<tr>
<td>upper limb</td>
<td>38.13</td>
</tr>
<tr>
<td>Gastrectomy (partial) (subtotal) NEC</td>
<td>43.89</td>
</tr>
<tr>
<td>with anastomosis (to) NEC</td>
<td></td>
</tr>
<tr>
<td>duodenum</td>
<td>43.6</td>
</tr>
<tr>
<td>esophagus</td>
<td>43.5</td>
</tr>
<tr>
<td>gastrogastric</td>
<td>43.89</td>
</tr>
<tr>
<td>jejunum</td>
<td>43.7</td>
</tr>
<tr>
<td>esophagogastronomy</td>
<td>43.5</td>
</tr>
<tr>
<td>gastroduodenostomy (bypass)</td>
<td>43.6</td>
</tr>
<tr>
<td>gastroenterostomy (bypass)</td>
<td>43.7</td>
</tr>
<tr>
<td>gastrogastrosomy (bypass)</td>
<td>43.7</td>
</tr>
<tr>
<td>gastrolapexy</td>
<td>44.64</td>
</tr>
<tr>
<td>Gastropexy</td>
<td></td>
</tr>
<tr>
<td>Gastropexy NEC</td>
<td>44.69</td>
</tr>
<tr>
<td>laparoscopic</td>
<td>44.68</td>
</tr>
<tr>
<td>vertical banded gastroplasty (VBG)</td>
<td>44.68</td>
</tr>
<tr>
<td>Gastroplication</td>
<td>44.69</td>
</tr>
<tr>
<td>laparoscopic</td>
<td>44.68</td>
</tr>
<tr>
<td>Gastropylorectomy</td>
<td>43.6</td>
</tr>
<tr>
<td>Gastorrhaphy</td>
<td>44.61</td>
</tr>
<tr>
<td>Gastroscopey NEC</td>
<td>44.13</td>
</tr>
<tr>
<td>through stoma (artificial)</td>
<td>44.12</td>
</tr>
<tr>
<td>transabdominal (operative)</td>
<td>44.11</td>
</tr>
<tr>
<td>Gastrostomy (Brunschwig's) (decompression)</td>
<td></td>
</tr>
<tr>
<td>(fine caliber tube) (Kader) (permanent)</td>
<td></td>
</tr>
<tr>
<td>(Stamm) (Stamm-Kader) (temporary) (tube)</td>
<td></td>
</tr>
<tr>
<td>(Witzel)</td>
<td>43.19</td>
</tr>
<tr>
<td>Beck-Jianu</td>
<td>43.19</td>
</tr>
<tr>
<td>Frank's</td>
<td>43.19</td>
</tr>
<tr>
<td>Janeway</td>
<td>43.19</td>
</tr>
<tr>
<td>Spivack's</td>
<td>43.19</td>
</tr>
<tr>
<td>Ssabanejew-Frank</td>
<td>43.19</td>
</tr>
<tr>
<td>Gastrotomy (hip fusion)</td>
<td>43.0</td>
</tr>
<tr>
<td>for control of hemorrhage</td>
<td>44.49</td>
</tr>
<tr>
<td>Gavage, gastric</td>
<td>96.35</td>
</tr>
<tr>
<td>Gelman operation</td>
<td></td>
</tr>
<tr>
<td>(release of clubfoot)</td>
<td>83.84</td>
</tr>
<tr>
<td>Genioplasty (augmentation) (with graft)</td>
<td></td>
</tr>
<tr>
<td>(with implant)</td>
<td>76.68</td>
</tr>
<tr>
<td>reduction</td>
<td>76.67</td>
</tr>
<tr>
<td>Ghormley operation (hip fusion)</td>
<td>81.21</td>
</tr>
</tbody>
</table>
Gifford operation
destruction of lacrimal sac 09.6
eratotomy (delimiting) 11.1
radial (refractive) 11.75
Gill operation
arthrodesis of shoulder 81.23
laminectomy 03.09
Gill-Stein operation (carporadial
arthrodesis) 81.25
Gilliam operation (uterine suspension)
69.22
Gingivectomy 24.31
Gingivoplasty (with bone graft) (with soft
tissue graft) 24.2
Girdlestone operation
laminectomy with spinal fusion 81.00
muscle transfer for claw toe repair 77.57
resection of femoral head and neck
(without insertion of joint prosthesis) 77.85
with replacement prosthesis
- see Implant, joint, hip
resection of hip prosthesis 80.05
with replacement prosthesis
- see Implant, joint, hip
Girdlestone-Taylor operation (muscle
transfer for claw toe repair) 77.57
Glenn operation (anastomosis of superior
vena cava to right pulmonary artery) 39.21
Glennonplasty, shoulder 81.83
with
- partial replacement 81.81
- total replacement 81.80
for recurrent dislocation 81.82
Glomectomy
carotid 39.8
jugulare 20.51
Glomectomy (complete) (total) 25.3
partial or subtotal 25.2
radical 25.4
Glomopexy 25.59
Glossoplasty NEC 25.59
Glossofibrosis 25.51
Glossectomy 25.94
for tongue tie 25.91
Glycoprotein IIB/IIIa inhibitor 99.20
Goebel-Frangenheim-Stoeckel operation
(urethrovesical suspension) 59.4
Goldner operation (clubfoot release) 80.48
Goldthwaite operation
ankle stabilization 81.11
patellar stabilization 81.44
tendon transfer for stabilization of
patella 81.44
Gonadectomy
ovary
- bilateral 65.51
- laparoscopic 65.53
unilateral 65.39
- laparoscopic 65.31
testis
- bilateral 62.41
- unilateral 62.3
Goniopuncture 12.51
with goniotomy 12.53
Gonioscopy 12.29
Goniospongiosis 12.59
Goniotomy (Barkan’s) 12.52
with gonipuncture 12.53
Goodal-Power operation (vagina) 70.8
Gordon-Taylor operation (hindquarter
amputation) 84.19
GP IIB/IIIa inhibitor, infusion 99.20
Graber-Duvernay operation (drilling of
femoral head) 77.15
Graft, grafting
aneurysm 39.52
endovascular
- abdominal aorta 39.71
- lower extremity artery(s) 39.79
- thoracic aorta 39.73
- upper extremity artery(s) 39.79
artery, arterial (patch) 39.58
with
- excision or resection of vessel -- see
  Arterectomy, with graft replacement
  synthetic patch (Dacron) (Teflon) 39.57
  tissue patch (vein) (autogenous)
  (homograft) 39.56
blood vessel (patch) 39.58
with
- excision or resection of vessel -- see
  Angiectomy, with graft replacement
  synthetic patch (Dacron) (Teflon) 39.57
  tissue patch (vein) (autogenous)
  (homograft) 39.56
bone (autogenous) (bone bank) (dual onlay)
  (heterogenous) (inlay) (massive onlay)
  (multiple) (osteoperiosteal) (peg)
  (subperiosteal) (with metallic fixation)
  78.00
with
- arthrodesis -- see Arthrodesis
- arthroplasty -- see Arthroplasty
- gingeplasty 24.2
- lengthening -- see Lengthening, bone
carpals, metacarpals 78.04
clavicle 78.01
facial NEC 76.91
- with total ostectomy 76.44
femur 78.05
fibula 78.07
Graft, grafting –bone ---Cont.

- humerus 78.02
- joint -- see Arthroplasty
- mandible 76.91
  - with total mandibulectomy 76.41
- marrow -- see Transplant, bone, marrow
- nose -- see Graft, nose
- patella 78.06
- pelvic 78.09
- pericranial 02.04
- phalanges (foot) (hand) 78.09
- radius 78.03
- scapula 78.01
- skull 02.04
- specified site NEC 78.09
- spine 78.09
  - with fusion -- see Fusion, spinal
- tarsal, metatarsal 78.08
- thorax (ribs) (sternum) 78.01
- thumb (with transfer of skin flap) 82.69
- tibia 78.07
- ulna 78.03
- vertebrae 78.09
  - with fusion -- see Fusion, spinal
- breast -- see also Mamoplasty 85.89
- buccal sulcus 27.99
- cartilage (joint) -- see also Arthroplasty
- nose -- see Graft, nose
- chest wall (mesh) (silastic) 34.79
- conjunctiva (free) (mucosa) 10.44
  - for symblepharon repair 10.41
- cornea -- see also Keratoplasty 11.60
  - with interposition (intrathoracic) NEC
- dermal-fat 86.69
- dermal regenerative 86.67
- dura 02.12
- ear
  - auricle 18.79
  - external auditory meatus 18.6
  - inner 20.61
  - pedicle preparation 86.71
- esophagus NEC 42.87
  - with interposition (intrathoracic) NEC
  - antesternal or antethoracic NEC
- colon (intrathoracic) 42.55
  - antesternal or antethoracic
- small bowel (intrathoracic) 42.53
  - antesternal or antethoracic
- eyebrow -- see also Reconstruction, eyelid,
  - with graft 08.69
- eyelid -- see also Reconstruction,
  - eyelid, with graft 08.69
  - free mucous membrane 08.62
- eye socket (skin) (cartilage) (bone) 16.63
- fallopian tube 66.79

Graft, grafting ---Cont.

- fascia 83.82
  - with hernia repair -- see Repair, hernia
- eyelid 08.32
  - hand 82.72
- tarsal cartilage 08.69
- fat pad NEC 86.89
  - with skin graft -- see Graft, skin,
    - full-thickness
- flap (advanced) (rotating) (sliding)
  - -- see also Graft, skin, pedicle
- tarsconjunctival 08.64
- hair-bearing skin 86.64
- hand
  - fascia 82.72
  - free skin 86.62
  - muscle 82.72
  - pedicle (flap) 86.73
  - tendon 82.79
- heart, for revascularization-see category 36.3
- joint -- see Arthroplasty
- larynx 31.69
- lip 27.56
  - full-thickness 27.55
- lymphatic structure(s) (channel) (node) (vessel) 40.9
- mediastinal fat to myocardium 36.39
- meninges (cerebral) 02.12
- mouth, except palate 27.56
  - full-thickness 27.55
- muscle 83.82
  - hand 82.72
- myocardium, for revascularization 36.39
- nasolabial flaps 21.86
- nerve (cranial) (peripheral) 04.5
- nipple 85.86
- nose 21.89
  - with
    - augmentation 21.85
    - rhinoplasty -- see Rhinoplasty
    - total reconstruction 21.83
- septum 21.88
- tip 21.86
- omentum 54.74
  - to myocardium 36.39
- orbit (bone) (cartilage) (skin) 16.63
- outflow tract (patch) (pulmonary valve) 35.26
  - in total repair of tetralogy of Fallot 35.81
- ovary 65.92
- palate 27.69
  - for cleft palate repair 27.62
- pedicle -- see Graft, skin, pedicle
- penis (rib) (skin) 64.49
- pigskin 86.65
- pinch -- see Graft, skin, free
- pocket -- see Graft, skin, pedicle
- porcine 86.65
- postauricular (Wolff) 18.79
Graft, grafting—Cont.

razor -- see Graft, skin, free
rope -- see Graft, skin, pedicle
saphenous vein in aortocoronary bypass -- see Bypass, aortocoronary
scrotum 61.49
skin (partial-thickness) (split-thickness) 86.69
amnionic membrane 86.66
auditory meatus (ear) 18.6
dermal-fat 86.69
for breast augmentation 85.50
dermal regenerative 86.67
ear
auditory meatus 18.6
postauricular 18.79
eyelid 08.61
flap -- see Graft, skin, pedicle
free (autogenous) NEC 86.60
lip 27.56
thumb 86.62
for
pollicization 82.61
reconstruction 82.69
full-thickness 86.63
breast 85.83
hand 86.61
hair-bearing 86.64
eyelid or eyebrow 08.63
hand 86.62
full-thickness 86.61
heterograft 86.65
homograft 86.66
island flap 86.70
mucous membrane 86.69
eyelid 08.62
nose -- see Graft, nose
pedicle (flap) (tube) 86.70
advancement 86.72
attachment to site (advanced)
(double) (rotating) (sliding) 86.74
hand (cross finger) (pocket) 86.73
lip 27.57
mouth 27.57
thumb 86.73
for
pollicization 82.61
reconstruction NEC 82.69
breast 85.84
transverse rectus abdominis
musculocutaneous (TRAM) 85.7

Graft, grafting -skin -pedicle ---Cont.
defatting 86.75
delayed 86.71
design and raising 86.71
elevation 86.71
preparation of (cutting) 86.71
revision 86.75
sculpturing 86.71
transection 86.71
transfer 86.74
trimming 86.71
postauricular 18.79
rotation flap 86.70
specified site NEC 86.69
full-thickness 86.63
tarsal cartilage 08.69
temporals muscle to orbit 16.63
with exenteration of orbit 16.59
tendon 83.81
for joint repair -- see Arthroplasty
hand 82.79
testicle 62.69
thumb (for reconstruction) NEC 82.69
tongue (mucosal) (skin) 25.59
trachea 31.79
tubular (tube) -- see Graft, skin, pedicle
tunnel -- see Graft, skin, pedicle
tympanum -- see also Tympanoplasty 19.4
ureter 56.89
vein (patch) 39.58
with
excision or resection of vessel
-- see Phlebectomy, with graft replacement
synthetic patch (Dacron) (Teflon) 39.57
tissue patch (vein) (autogenous)
(homograft) 39.56
vermilion border (lip) 27.56

Grattage, conjunctiva 10.31
Green operation (scapulopexy) 78.41
Grice operation (subtalar arthrodesis) 81.13
Grip, strength 93.04
Gritt-Stokes operation (knee disarticulation) 84.16

Gross operation (herniorrhaphy) 53.49
Group therapy 94.44
Guttering, bone -- see also Excision, lesion, bone 77.60
Guyon operation (amputation of ankle) 84.13
Hagner operation (epididymotomy) 63.92
Halsted operation -- see Repair, hernia, inguinal
Hampton operation (anastomosis small intestine to rectal stump) 45.92
Hanging hip operation (muscle release) 83.19
Harelip operation 27.54
Harrison-Richardson operation (vaginal suspension) 70.77
Hartmann resection (of intestine) (with pouch) -- see Colectomy, by site
Harvesting
bone marrow 41.91
stem cells 99.79
Hauser operation
achillotenotomy 83.11
bunionectomy with adductor tendon transfer 77.53
stabilization of patella 81.44
Heaney operation (vaginal hysterectomy) 68.51
laparoscopically assisted (LAVH) 68.51
Hearing aid (with battery replacement) 95.49
Hearing test 95.47
Hegar operation (perineorrhaphy) 71.79
Heine operation (cyclodialysis) 12.55
Heineke-Mikulicz operation (pyloroplasty) 44.29
Heller operation (esophagomyotomy) 42.7
Hellstöm operation (transplantation of aberrant renal vessel) 39.55
Hemicolecction
left 45.75
right (extended) 45.73
Hemicystectomy 57.6
Hemigastrectomy -- see Gastrectomy
Hemiglossectomy 49.3
Hemigastrectomy
left 45.75
right (extended) 45.73
Hemicystectomy 57.6
Hemigastrectomy -- see Gastrectomy
Hemilaminectomy (decompression) (exploration) 03.09
Hemilaryngectomy (anterior) (lateral) (vertical) 30.1
Hemimandibulectomy 76.31
Hemimastectomy (radical) 85.23
Hemimaxillectomy (with bone graft) (with prosthesis) 76.39
Heminephrectomy 55.4
Hemipelvectomy 84.19
Hemispherectomy (cerebral) 01.52
Hemithyroidectomy (with removal of isthmus) (with removal of portion of remaining lobe) 06.2
Hemodiafiltration (extracorporeal) 39.95
Hemodialysis (extracorporeal) 39.95

Hemodilution 99.03
Hemofiltration (extracorporeal) 39.95
Hemorrhage control -- see Control, hemorrhage
Hemorrhoidectomy 49.46
by
cauterization, cautery, cauterization 49.43
crushing 49.45
cryotherapy, cryosurgery 49.44
excision 49.46
injection 49.42
ligation 49.45
Hemostasis -- see Control, hemorrhage
Henley operation (jejunal transposition) 43.81
Hepaticojejunostomy (complete) (total) 50.4
partial or subtotal 50.22
Hepaticojejunostomy 51.37
Hepaticocholangiojejunostomy 51.37
Hepaticoduodenostomy 51.59
Hepatoduodenostomy 50.69
Hepatogastrostomy 50.69
Hepatojejunostomy 50.69
Hepatolitotomy
hepatic duct 51.49
liver 50.0
Hepatopexy 50.69
Hepatorrhaphy 50.61
Hepatostomy (external) (internal) 50.69
Hepatotomy (with packing) 50.0
Hernioplasty -- see Repair, hernia
Herniorrhaphy -- see Repair, hernia
Herniotomy -- see Repair, hernia
Heterograft -- see Graft
Heterotransplant, heterotransplantation
-- see Transplant
Hey operation (amputation of foot) 84.12
Hey-Groves operation (reconstruction of anterior cruciate ligament) 81.45
Heyman operation (soft tissue release for clubfoot) 83.84
Heyman-Herndon (-Strong) operation (correction of metatarsus varus) 80.48
Hibbs operation (lumbar spinal fusion) -- see Fusion, lumbar
Higgins operation -- see Repair, hernia, femoral
High forceps delivery 72.39
with episiotomy 72.31
Hill-Allison operation (hiatal hernia repair, transpleural approach) 53.80
Hinging, mitral valve 35.12
His bundle recording 37.29
Hitchcock operation (anchoring tendon of biceps) 83.88
Hofmeister operation (gastrectomy) 43.7
Hoke operation
midtarsal fusion 81.14
triple arthrodesis 81.12
Holth operation
iridencleisis 12.63
sclerectomy 12.65
Homan operation (correction of lymphedema) 40.9
Homograft -- see Graft
Homotransplant, homotransplantation -- see Transplant
Hosiery, elastic 93.59
Hutch operation (ureteroneocystostomy) 56.74
Hybinette-Eden operation (glenoid bone block) 78.01
Hydrocelectomy
canal of Nuck (female) 69.19
male 63.1
round ligament 69.19
spermatic cord 63.1
tunica vaginalis 61.2
Hydrotherapy
assisted exercise in pool 93.31
whirlpool 93.32
Hymenectomy 70.31
Hymenoplasty 70.76
Hymenorrhaphy 70.76
Hymenotomy 70.11
Hyperalimentation (parenteral) 99.15
Hyperbaric oxygenation 93.95
wound 93.59
Hyperextension, joint 93.25
Hyperthermia NEC 93.35
for cancer treatment (interstitial) (local) (radiofrequency) (regional) (ultrasound) (whole-body) 99.85
Hypnodrama, psychiatric 94.32
Hypnosis (psychotherapeutic) 94.32
for anesthesia -- omit code
Hypnotherapy 94.32
Hypophysectomy (complete) (total) 07.69
partial or subtotal 07.63
transfrontal approach 07.61
transsphenoidal approach 07.62

Hypophysectomy --Cont.
specified approach NEC 07.68
transfrontal approach (complete) (total) 07.64
partial 07.61
transsphenoidal approach (complete) (total) 07.65
partial 07.62
Hypothermia (central) (local) 99.81
gastric (cooling) 96.31
freezing 96.32
systemic (in open heart surgery) 39.62
Hypotympanotomy 20.23
Hysterec'tomy 68.9
abdominal 68.49
laparoscopic (total) [TLH] 68.41
partial or subtotal (supracervical) (supravaginal) 68.39
radical (modified) (Wertheim's) 68.69
laparoscopic (total) [TLRH] 68.61
supracervical 68.39
classic infrar fascial SEMM hysterectomy [CISH] 68.31
laparoscopically assisted [LASH] 68.31
vaginal (complete) (partial) (subtotal) (total) 68.59
laparoscopically assisted (LAVH) 68.51
radical (Schauta) 68.79
laparoscopic [LRVH] 68.71
Hysterocolpectomy (radical) (vaginal) 68.79
abdominal 68.69
laparoscopic 68.61
laparoscopic 68.71
Hysterogram NEC 87.85
percutaneous 87.84
Hysterolysis 54.59
laparoscopic 54.51
Hysteromyomectomy 68.29
Hysterorexy 69.22
Hysteroplasty 69.49
Hysterorrhaphy 69.41
Hysterosalpingography gas (contrast) 87.82
opaque dye (contrast) 87.83
Hysterosalpingostomy 66.74
Hysteroscopy 68.12
with
ablation
endometrial 68.23
biopsy 68.16
Hysterotomy (with removal of foreign body) (with removal of hydatidiform mole) 68.0
for intrauterine transfusion 75.2
obstetrical 74.99
for termination of pregnancy 74.91
Hysterotrachelectomy 67.4
Hysterotracheloplasty 69.49
Hysterotrachelorrhaphy 69.41
Hysterotrachelotomy 69.95
ICCE (intracapsular cataract extraction) 13.19
Ileal
  bladder
    closed 57.87 [45.51]
    open (ileoureterostomy) 56.51
    conduit (ileoureterostomy) 56.51
Ileocecostomy 45.93
Ileocolecotomy 45.73
Ileocolostomy 45.93
Ileocolotomy 45.00
Ileocystoplasty (isolated segment anastomosis) (open loop) 57.87 [45.51]
Ileoduodenotomy 45.01
Ileectomy (partial) 45.62
  with cecectomy 45.72
Ileointestinal anastomosis 46.99
Ileoileostomy 45.91
  proximal to distal segment 45.62
Ileoloopogram 87.78
Ileopancreatostomy 52.96
Ileopexy 46.61
Ileoproctostomy 45.95
Ileorectalostomy 45.93
Ileorrhaphy 46.73
Ileoscopy 45.13
  through stoma (artificial) 45.12
  transabdominal (operative) 45.11
Ileosigmoidostomy 45.93
Ileostomy 46.20
  continent (permanent) 46.22
    for urinary diversion 56.51
    delayed opening 46.24
    Hendon (temporary) 46.21
    loop 46.01
    Paul (temporary) 46.21
    permanent 46.23
      continent 46.22
      repair 46.41
      revision 46.41
    tangential (temporary) 46.21
    temporary 46.21
    transplantation to new site 46.23
    tube (temporary) 46.21
    ureteral
      external 56.51
      internal 56.71
Ileotomy 45.02
Ileotransversostomy 45.93
Ileoureterostomy (Bricker's) (ileal bladder) 56.51

Imaging (diagnostic)
  diagnostic, not elsewhere classified 88.90
  endovascular ultrasound - see Imaging, intravascular ultrasound
  intraoperative
    iMRI - see Imaging, magnetic resonance
    intravascular - see Imaging, intravascular ultrasound
  intravascular ultrasound (IVUS) 00.29
    aorta 00.22
    aortic arch 00.22
    carotid vessel 00.21
    cerebral vessel, extracranial 00.21
    coronary vessel 00.24
    intrathoracic vessel 00.22
    other specified vessel 00.28
    peripheral vessel 00.23
    renal vessel 00.25
    vena cava (inferior) (superior) 00.22
  magnetic resonance(nuclear)(proton) NEC 88.97
    abdomen 88.97
    bladder (urinary) 88.95
    bone marrow blood supply 88.94
    brain (brain stem) 88.91
      intraoperative (MRI) 88.96
      real-time 88.96
    chest (hilar) (mediastinal) 88.92
    computer assisted surgery (CAS) with MR/MRA 00.32
    extremity (upper) (lower) 88.94
    eye orbit 88.97
    face 88.97
    head NEC 88.97
    musculoskeletal 88.94
    myocardium 88.92
    neck 88.97
    orbit of eye 88.97
    prostate 88.95
    specified site NEC 88.97
    spinal canal (cord) (spine) 88.93
Immobilization (by)
  with fracture-reduction--see Reduction, fracture bandage 93.59
  bone 93.53
  cast NEC 93.53
  with reduction of fracture or dislocation
    -- see Reduction, fracture, and Reduction, dislocation
  device NEC 93.59
  pressure dressing 93.56
  splint (plaster) (tray) 93.54
  with reduction of fracture or dislocation
    -- see Reduction, fracture, and Reduction, dislocation
ICD-9-CM INDEX TO PROCEDURES (FY07)

**Immobilization** (by) ---Cont.
- stereotactic head frame 93.59
- strapping (non-traction) 93.59

**Immunization** -- see also Vaccination
- allergy 99.12
- autoimmune disease 99.13
- BCG 99.33
- brucellosis 99.55
- cholera 99.31
- diphtheria 99.36
- DPT 99.39
- epidemic parotitis 99.46
- German measles 99.47
- Hemophilus influenzae 99.52
- influenza 99.52
- measles 99.45
- meningococcus 99.55
- mumps 99.46
- pertussis 99.37
- plague 99.34
- poliomyelitis 99.41
- rabies 99.44
- rubella 99.47
- salmonella 99.55
- smallpox 99.42
- staphylococcus 99.55
- TAB 99.32
- tetanus 99.38
- triple vaccine 99.48
- tuberculosis 99.33
- tularemia 99.35
- typhoid-paratyphoid 99.32
- typhus 99.55
- viral NEC 99.55
- whooping cough 99.37
- yellow fever 99.43

**Immunoadsorption, extracorporeal (ECI)** 99.76

**Immunotherapy, antineoplastic** 99.28
- C-Parvum 99.28
- Interferon 99.28
- Interleukin-2 (low-dose) 99.28
  - high-dose 00.15
- Levamisole 99.28
- Proleukin (low-dose) 99.28
  - high-dose 00.15
- Thymosin 99.28

**Implant, implantation** ---Cont.
- bladder sphincter, artificial (inflatable) 58.93
- blood vessels to myocardium 36.93
- 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 kyphoplasty 81.66
  - that with vertebroplasty 81.65
- breast (for augmentation) (bilateral) 85.54
  - unilateral 85.53
- cardiac resynchronization device
  - defibrillator (biventricular) (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 00.54
  - pacemaker (BiV) (biventricular) (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) 37.41
- cardiomyostimulation system 37.67
- cardioverter/defibrillator (automatic) 37.94
  - leads only (patch electrode)
    - (sensing) (pacing) 37.95
    - pulse generator only 37.96
    - total system 37.94
- chest wall (mesh) (silastic) 34.79
- chin (polyethylene) (silastic) 76.68
- cochlear (electrode) 20.96
  - prosthetic device (electrode and receiver)
    - 20.96
    - channel (single) 20.97
    - multiple 20.98
    - electrode only 20.99
    - internal coil only 20.99
- CorCap™ 37.41
- cornea 11.73
- 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
<table>
<thead>
<tr>
<th>Implant, implantation</th>
<th>Implant, implantation--Cont.</th>
</tr>
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<tbody>
<tr>
<td>CRT-P</td>
<td>electroencephalographic receiver</td>
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<tr>
<td>only 00.52</td>
<td>brain 02.93</td>
</tr>
<tr>
<td>pulse generator only 00.53</td>
<td>intracranial 02.93</td>
</tr>
<tr>
<td>custodis eye 14.41</td>
<td>electronic stimulator</td>
</tr>
<tr>
<td>dental (endosseous) (prosthetic) 23.6</td>
<td>anus (subcutaneous) 49.92</td>
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<tr>
<td>adjustable gastric band and port 44.95</td>
<td>bladder 57.96</td>
</tr>
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<td>bronchial device NOS 33.79</td>
<td>bone growth (invasive) (percutaneous) (semi-invasive) 78.9</td>
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<td>bronchial substance NOS 33.79</td>
<td>brain - see Implant, neurostimulator, brain</td>
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<tr>
<td>bronchial valve 33.71</td>
<td>carotid sinus 39.8</td>
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<td>cochlear 20.96</td>
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<td>left atrial appendage 37.90</td>
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</tr>
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<td>left atrial filter 37.90</td>
<td>peripheral nerve - see Implant, neurostimulator, peripheral nerve</td>
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<td>left atrial occluder 37.90</td>
<td>phrenic nerve 34.85</td>
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<td>skeletal muscle 83.92</td>
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<td>subcutaneous for intracardiac hemodynamic monitoring 00.57</td>
<td>spine - see Implant, neurostimulator, spine</td>
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<td>vascular access 86.07</td>
<td>ureter 56.92</td>
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<td>electrostimulator -- see Implant, electronic stimulator, by site</td>
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<td>diaphragmatic pacemaker 34.85</td>
<td>endoprosthesis</td>
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<td>Dynesys® 84.59</td>
<td>bile duct 51.87</td>
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<td>electrode(s)</td>
<td>femoral head (bipolar) 81.52</td>
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<td>pancreatic duct 52.93</td>
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<td>epidural pegs 02.93</td>
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<td>estradiol (pellet) 99.23</td>
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<td>atrium (initial) 37.73</td>
<td>eye (Iowa type) 16.61</td>
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<td>replacement 37.76</td>
<td>integrated 16.41</td>
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<td>atrium and ventricle (initial) 37.72</td>
<td>facial bone, synthetic (alloplastic) 76.92</td>
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<td>replacement 37.76</td>
<td>fallopian tube (Mulligan hood) (silastic tube) (stent) 66.93</td>
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<tr>
<td>epicardium (sternotomy or thoracotomy approach) 37.74</td>
<td>into uterus 66.74</td>
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<td>left ventricular coronary venous system 00.52</td>
<td>gastroepipolic artery to coronary artery 36.17</td>
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<tr>
<td>temporary transvenous pacemaker system 37.78</td>
<td>half-heart 37.62</td>
</tr>
<tr>
<td>during and immediately following cardiac surgery 39.64</td>
<td>hearing device, electromagnetic 20.95</td>
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<td>ventricle (initial) 37.71</td>
<td>heart</td>
</tr>
<tr>
<td>replacement 37.76</td>
<td>artificial 37.52</td>
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<tr>
<td>foramen ovale 02.93</td>
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</tr>
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<td>gastric 04.92</td>
<td>external 37.65</td>
</tr>
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<td>heart -- see also Implant, electrode(s), cardiac 37.70</td>
<td>extrinsic 37.68</td>
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<td>intracranial 02.93</td>
<td>implantable 37.66</td>
</tr>
<tr>
<td>osteogenic (invasive) for bone growth stimulation -- see category 78.9</td>
<td>non-implantable 37.62</td>
</tr>
<tr>
<td>peripheral nerve 04.92</td>
<td>percutaneous external 37.68</td>
</tr>
<tr>
<td>sacral nerve 04.92</td>
<td>pVAD 37.68</td>
</tr>
<tr>
<td>sphenoidal 02.96</td>
<td>auxilliary ventricle 37.62</td>
</tr>
<tr>
<td>spine 03.93</td>
<td>circulatory assist system - see Implant, heart, assist system</td>
</tr>
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<td>CorCap™ 37.41</td>
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Implant, implantation - heart -- Cont.
epicardial support device 37.41
pacemaker -- see also Implant, pacemaker, cardiac 37.80
prosthetic cardiac support device 37.41
total replacement system 37.52
valve(s)
  prosthesis or synthetic device (partial) (synthetic) (total) 35.20
    aortic 35.22
    mitral 35.24
    pulmonary 35.26
    tricuspid 35.28
    tissue graft 35.20
    aortic 35.21
    mitral 35.23
    pulmonary 35.25
    tricuspid 35.27
ventricular support device 37.41
inert material
breast (for augmentation) (bilateral) 85.54
  unilateral 85.53
larynx 31.0
nose 21.85
orbit (eye socket) 16.69
  reinsertion 16.62
scleral shell (cup) (with evisceration of eyeball) 16.31
  reinsertion 16.62
Tenon’s capsule (with enucleation of eyeball) 16.42
  with attachment of muscles 16.41
  reinsertion 16.62
urethra 59.79
vocal cord(s) 31.0
infusion pump 86.06
interbody spinal fusion device 84.51
intracardiac hemodynamic monitor, subcutaneous 00.57
joint (prosthesis) (silastic) (Swanson type) NEC 81.96
  ankle (total) 81.56
  revision 81.59
  carpocarpal, carpometacarpal 81.74
  elbow (total) 81.84
  revision 81.97
extremity (bioelectric) (cineplastic) (kineplastic) 84.40
  lower 84.48
  revision 81.59
  upper 84.44
  revision 81.97

Implant, implantation - joint -- Cont.
femoral (bipolar endoprosthesis) 81.52
  revision 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
  total (acetabular and femoral components) 00.70
finger 81.71
hand (metacarpophalangeal) (interphalangeal) 81.71
  revision 81.97
hip (partial) 81.52
  revision 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
    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 (acetabular and femoral components) 00.70
knee (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
metacarpophalangeal 81.71
  revision 81.97
shoulder (partial) 81.81
  revision 81.97
  total replacement 81.80
<table>
<thead>
<tr>
<th>Term</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Implant, implantation</strong> - joint —— <strong>Cont.</strong></td>
<td>344</td>
</tr>
<tr>
<td>toe</td>
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<td>81.73</td>
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<td>55.97</td>
</tr>
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<td>Lap-Band™</td>
<td>44.95</td>
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<td>84.54</td>
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<td>with kinetic distraction</td>
<td>84.53</td>
</tr>
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<td>mammary artery</td>
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<td>in ventricle (Vineberg)</td>
<td>36.2</td>
</tr>
<tr>
<td>to coronary artery (single vessel)</td>
<td>36.15</td>
</tr>
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<td>double vessel</td>
<td>36.16</td>
</tr>
<tr>
<td>M-Brace™</td>
<td>84.59</td>
</tr>
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<td>Mulligan hood, fallopian tube</td>
<td>66.93</td>
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<td>nerve (peripheral)</td>
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</tr>
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<td>neuropacemaker — see Implant, neurostimulator, by site</td>
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<td>neurostimulator</td>
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<td>electrodes</td>
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<td>03.93</td>
</tr>
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<td>pulse generator</td>
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</tr>
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<td>nose</td>
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<td>Ommaya reservoir</td>
<td>02.2</td>
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<td>orbit</td>
<td>16.69</td>
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<tr>
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<td>16.62</td>
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<td>outflow tract prosthesis (heart) (gusset type)</td>
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<td>in</td>
<td></td>
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<tr>
<td>pulmonary valvuloplasty</td>
<td>35.26</td>
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<tr>
<td>total repair of tetralogy of Fallot</td>
<td>35.81</td>
</tr>
<tr>
<td>ovary into uterine cavity</td>
<td>65.72</td>
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<td>laparoscopic</td>
<td>65.75</td>
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<td></td>
</tr>
<tr>
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<td>37.80</td>
</tr>
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<td>37.83</td>
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<tr>
<td>replacement</td>
<td>37.87</td>
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</table>

<table>
<thead>
<tr>
<th>Term</th>
<th>Page</th>
</tr>
</thead>
<tbody>
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<td>37.78</td>
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<td>52.96</td>
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<td>64.95</td>
</tr>
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<td>86.07</td>
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<td>premaxilla</td>
<td>76.68</td>
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<td>progesterone (subdermal)</td>
<td>99.23</td>
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<tr>
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<td>81.71</td>
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<td>81.71</td>
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### Implant - Swanson prosthesis

<table>
<thead>
<tr>
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<th>Code</th>
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<tr>
<td>Knee (partial) (total)</td>
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<tr>
<td>Revision</td>
<td>81.55</td>
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<tr>
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<td>Pulsation balloon (phase-shift)</td>
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<td>Pump, infusion</td>
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<td>Radial artery</td>
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<td>Radioactive isotope</td>
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<td>Radium (radon)</td>
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<td>Retinal attachment</td>
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<tr>
<td>With buckling</td>
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<td>Rickham reservoir</td>
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<td>Breast (bilateral)</td>
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<td>Spine NEC</td>
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<td>Interspinous process decompression device</td>
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<td>Stimoceiver - see Implant, neurostimulator, by site</td>
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<td>Sudural grids</td>
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<td>Strips</td>
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<td>Swanson prosthesis (joint) (silastic) NEC</td>
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<tr>
<td>carpopalpbral, carpopatellar</td>
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<tr>
<td>Finger</td>
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<tr>
<td>Hand (metacarpophalangeal)</td>
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<tr>
<td>(interphalangeal)</td>
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<tr>
<td>Interphalangeal</td>
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<tr>
<td>Knee (partial) (total)</td>
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<td>Metacarpophalangeal</td>
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### Implant - prosthesis - joint

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<td>Knee (partial) (total)</td>
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<td>Revision</td>
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<td>Shoulder (partial)</td>
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<td>Toe</td>
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<td>For hallux valgus repair</td>
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<td>Wrist (partial)</td>
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<td>Total</td>
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<td>Systemic arteries into myocardium (Vineberg type operation)</td>
<td>36.2</td>
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<td>Tandem™ heart</td>
<td>37.68</td>
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<tr>
<td>telescope (IMT) (miniature)</td>
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<tr>
<td>Testicular prosthesis (bilateral) (unilateral)</td>
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<td>Tissue expander (skin) NEC</td>
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<tr>
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<tr>
<td>Tissue mandril (for vascular graft)</td>
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<td>With blood vessel repair</td>
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<td>Vascular bypass or shunt -- see Bypass, vascular</td>
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<td>Tooth (bud) (germ)</td>
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<td>Prosthetic</td>
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<td>Umbrella, vena cava</td>
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<td>Ureters into</td>
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<td>Bladder</td>
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<td>External diversion</td>
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<td>Skin</td>
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<td>Urethra</td>
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<td>For repair of urinary stress incontinence</td>
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<td>Collagen</td>
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<td>Fat</td>
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<tr>
<td>Polytetf</td>
<td>59.72</td>
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<tr>
<td>Urethral sphincter, artificial (inflatable)</td>
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<tr>
<td>Urinary sphincter, artificial (inflatable)</td>
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<tr>
<td>Vascular access device</td>
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<td>Vitreous (silicone)</td>
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<td>For retinal reattachment</td>
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<td>With buckling</td>
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<td>Vocal cord(s) (paraglottic)</td>
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<td>X Stop™</td>
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### Implosion (psychologic desensitization)

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### Incision (and drainage)

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<td>Exploration -- see Exploration</td>
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<tr>
<td>Removal of foreign body</td>
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<td>-- Removal, foreign body</td>
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<tr>
<td>Abdominal wall</td>
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<tr>
<td>As operative approach -- omit code</td>
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<td>Abscess -- see also Incision, by site</td>
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<tr>
<td>Appendix</td>
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<tr>
<td>With appendectomy</td>
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<tr>
<td>Laparoscopic</td>
<td>47.01</td>
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<tr>
<td>Extraperitoneal</td>
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<td>Ischioilectomy</td>
<td>49.01</td>
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<td>Lip</td>
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<td>Omental</td>
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<tr>
<td>Perianal</td>
<td>49.01</td>
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<tr>
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<tr>
<td>Perisplenic</td>
<td>54.19</td>
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### Incision (and drainage) - abscess ---Cont.
- **peritoneal NEC** 54.19
- pelvic (female) 70.12
- retroperitoneal 54.0
- sclera 12.89
- skin 86.04
- subcutaneous tissue 86.04
- subdiaphragmatic NEC 54.19
- subhepatic 54.19
- subphrenic 54.19
- vas deferens 63.6
- adrenal gland 07.41
- alveolus, alveolar bone 24.0
- antecubital fossa 86.09
- anus NEC 49.93
- fistula 49.11
- septum 49.91
- appendix 47.2
- artery 38.00
- abdominal 38.06
  - aorta (arch) (ascending) (descending) 38.04
- head and neck NEC 38.02
- intracranial NEC 38.01
- lower limb 38.08
- thoracic NEC 38.05
- upper limb 38.03
- atrium (heart) 37.11
- auditory canal or meatus, external 18.02
- auricle 18.09
- axilla 86.09
- Bartholin's gland or cyst 71.22
- bile duct (with T or Y tube insertion) NEC 51.59
  - common (exploratory) 51.51
  - for relief of obstruction NEC 51.42
  - removal of calculus 51.41
  - for exploration 51.59
  - relief of obstruction 51.49
- bladder 57.19
- neck (transurethral) 57.91
- percutaneous suprapubic (closed) 57.17
- suprapubic NEC 57.18
- blood vessel -- see also Angiotomy 38.00
- bone 77.10
- alveolus, alveolar 24.0
- carpals, metacarpals 77.14
- clavicle 77.11
- facial 76.09
- femur 77.15
- fibula 77.17
- humerus 77.12
- patella 77.16
- pelvic 77.19
- phalanges (foot) (hand) 77.19

### Incision (and drainage) - bone ---Cont.
- radius 77.13
- scapula 77.11
- skull 01.24
- specified site NEC 77.19
- tarsals, metatarsals 77.18
- thorax (ribs) (sternum) 77.11
- tibia 77.17
- ulna 77.13
- vertebrae 77.19
- brain 01.39
- cortical adhesions 02.91
- breast (skin) 85.0
  - with removal of tissue expander 85.96
- bronchus 33.0
- buccal space 27.0
- bulbourethral gland 58.91
- bursa 83.03
  - hand 82.03
  - pharynx 29.0
- carotid body 39.8
- cerebral (meninges) 01.39
  - epidural or extradural space 01.24
  - subarachnoid or subdural space 01.31
- cerebrum 01.39
- cervix 69.95
  - to assist delivery 73.93
  - replace inverted uterus 75.93
- chalazion 08.09
  - with removal of capsule 08.21
- cheek 86.09
- chest wall (for extrapleural drainage) (for removal of foreign body) 34.01
  - as operative approach -- omit code
  - common bile duct (for exploration) 51.51
    - for relief of obstruction 51.42
    - removal of calculus 51.41
- common wall between posterior left atrium and coronary sinus (with roofing of resultant defect with patch graft) 35.82
- conjunctiva 10.1
- cornea 11.1
  - radial (refractive) 11.75
- cranial sinus 01.21
- craniobucal 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
### Incision (and drainage) - hematoma ---Cont.

- 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
- intraperitoneal 54.19
- exploratory -- see Exploration
- extradural space (cerebral) 01.24
- extrapleural 34.01
- eyebrow 08.09
- eyelid 08.09
  - margin (trichiasis) 08.01
- face 86.09
- fallopian tube 66.01
- fascia 83.09
  - with division 83.14
  - hand 82.12
  - hand 82.09
  - with division 82.12
- fascial compartments, head and neck 27.0
- fistula, anal 49.11
- flank 54.0
- furuncle -- see Incision, by site
- gallbladder 51.04
- gingiva 24.0
- gluteal 86.09
- groin region (inguinal) 54.0
- hepatic ducts 51.59
- hordeolum 08.09
- hygroma -- see also Incision, by site
  - cystic 40.0
- hymen 70.11
- hypochondrium 54.0
  - intra-abdominal 54.19
- hypophysis 07.72
- iliac fossa 54.0
- infratemporal fossa 27.0
- ingrown nail 86.09
- intestine 45.00
  - large 45.03
  - small 45.02
- intracranial (epidural space) (extradural space) 01.24
- intraperitoneal 54.19
- ischiorectal tissue 49.02
- labia 71.09
- lacrimal
  - canaliculus 09.52
  - gland 09.0
  - passage NEC 09.59
  - punctum 09.51
  - sac 09.53
- larynx NEC 31.3
- ligamentum flavum (spine) -- omit code
- liver 50.0
- lymphangioma 40.0
- lymphatic structure (channel) (node) (vessel) 40.0
- mastoid 20.21
- mediastinum 34.1
- meibomian gland 08.09
- meninges (cerebral) 01.31
  - spinal 03.09
- midpalmar space 82.04
- mouth NEC 27.92
  - floor 27.0
- muscle 83.02
  - with division 83.19
  - hand 82.19
  - hand 82.02
  - with division 82.19
- myocardium 37.11
- nailbed or nailfold 86.09
- nasolacrimal duct (stricture) 09.59
- neck 86.09
- nerve (crani al) (peripheral) NEC 04.04
  - root (spinal) 03.1
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<tr>
<th>Incision (and drainage)---Cont.</th>
<th>Incision (and drainage)---Cont.</th>
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<tr>
<td>nose 21.1</td>
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<td>retroperitoneum 54.0</td>
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<td>orbit -- see also Orbitotomy 16.09</td>
<td>retropharyngeal (oral) (transcervical) 28.0</td>
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<td>salivary gland or duct 26.0</td>
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<td>scrotum 61.0</td>
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<td>seminal vesicle 60.72</td>
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<td>Skene's duct or gland 71.09</td>
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<td>ear 18.09</td>
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<td>pelvirectal tissue 48.81</td>
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<td>penis 64.92</td>
<td>subcutaneous tunnel for pulse generator lead wire 86.99</td>
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<td>thalamic stimulator pulse generator pocket, new site 86.09</td>
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<td>vein 38.09</td>
<td>hand 82.19</td>
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<td>cord 03.09</td>
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<td>petrous pyramid (air cells) (apex)</td>
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<td>(mastoid) 20.22</td>
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<td>pharynx, pharyngeal (bursa) 29.0</td>
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<td>pituitary (gland) 07.72</td>
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<td>popliteal space 86.09</td>
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<td>rectovaginal septum 48.81</td>
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<td>rectum 48.0</td>
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<td>stricture 48.91</td>
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Incision (and drainage) ---Cont.
submental space 27.0
subphrenic space 54.19
supraclavicular fossa 86.09
with drainage 86.04
sweat glands, skin 86.04
temporal pouches 27.0
tendon (sheath) 83.01
with division 83.13
hand 82.11
with division 82.11
testis 62.0
thenar space 82.04
thymus 07.92
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
umbilicus 54.0
urachal cyst 54.0
urethra 82.04
with division 82.04

Incision, sclera, for buckling
--- see also Buckling, scleral 14.49

Indicator dilution flow measurement 89.68

Induction
abortion
by
D and C 69.01
insertion of prostaglandin suppository 96.49
intra-amniotic injection (prostaglandin) (saline) 75.0

labor
medical 73.4
surgical 73.01
intra- and extra-amniotic injection 73.1
stripping of membranes 73.1

Infarction, turbinates (nasal) 21.62

Infundibulotomy
hypophyseal -- see also Hypophysectomy, partial 07.63
ventricle (heart) (right) 35.34
in total repair of tetralogy of Fallot 35.81

Infundibulotomy

Infusion (intra-arterial) (intravenous)
Abciximab 99.20
antibiotic
oxazolidinone class 00.14
antineoplastic agent(chemotherapeutic) 99.25
biological response modifier [BRM] 99.28
cintredekin besudotox 99.28
high-dose interleukin-2 00.15
low-dose interleukin-2 99.28
biological response modifier [BRM], antineoplastic agent 99.28
cintredekin besudotox 99.28
high-dose interleukin-2 00.15
low-dose interleukin-2 99.28
cancer chemotherapy agent NEC 99.25
cintredekin besudotox 99.28
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
GP IIb/IIIa inhibitor 99.20
hormone substance NEC 99.24
human B-type natriuretic peptide (BNP) 00.13
immunosuppressive antibody therapy 00.18
nesiritide 00.13
### Infusion---Cont.
- Neuroprotective agent: `99.75`
- Nimodipine: `99.75`
- Nutritional substance: see Nutrition platelet inhibitor
  - Direct coronary artery: `36.04`
  - Intravenous: `99.20`
- Proileukin (low-dose): `99.28`
- High-dose: `00.15`
- Prophylactic substance NEC: `99.29`
- Radioisotope (liquid brachytherapy)
  - Liquid I-125: `92.20`
- Radioimmunoconjugate: `92.28`
- Radioimmunotherapy: `92.28`
- Recombinant protein: `00.11`
- Retepase: `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`

### Injection---Cont.
- Antivenin: `99.16`
- Barrier substance, adhesion: `99.77`
- BCG
  - For chemotherapy: `99.25`
  - Vaccine: `99.33`
- Biological response modifier [BRM], antineoplastic agent: `99.28`
- Cintredekin besudotox: `99.28`
- High-dose interleukin-2: `00.15`
- Low-dose interleukin-2: `99.28`
- Bone marrow transplant: see Transplant, bone, marrow breast (therapeutic agent): `85.92`
- Inert material (silicone) (bilateral): `85.52`
- Unilateral: `85.51`
- Bursa (therapeutic agent): `83.96`
- Hand: `82.94`
- Cancer chemotherapeutic agent: `99.25`
- Caudal: see Injection, spinal
- Cintredekin besudotox: `99.28`
- Cortisone: `99.23`
- Costochondral junction: `81.92`
- Dinoprost-tromethamine, 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: `99.28`
- 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: `82.96`
- Gamma globulin: `99.14`
- Ganglion, sympathetic: `05.39`
- Ciliary: `12.79`
- 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`
- 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`
- Immune sera: `99.14`
Injection---Cont.

inert material -- see Implant, inert material
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
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 33.32
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
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

Injection---Cont.

RhoGAM 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 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
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
Injection---Cont.
vaccine tumor 99.28
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 realignment of retina 14.59
vocal cords 31.0

Inlay, tooth 23.3

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

Insemination, artificial 69.92

Insertion
airway
esophageal obturator 96.03
nasopharynx 96.01
oropharynx 96.02
Allen-Brown cannula 39.93
arch bars (orthodontic) 24.7
for immobilization (fracture) 93.55
atrial septal umbrella 35.52
Austin-Moore prosthesis 81.52
baffle, heart (atrial) (interatrial) (intratrial) 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
intestine (for decompression)
(for dilation) 46.85
band (adjustable)
gastric, laparoscopic 44.95
Lap-Band™ 44.95
Barton’s tongs (skull) (with synchronous skeletal traction) 02.94
bipolar endoprosthesis (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 kyphoplasty 81.66
that with vertebroplasty 81.65
bougie, cervix, nonobstetrical 67.0
to assist delivery or induce labor 73.1

Insertion---Cont.
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
ductive 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 00.54
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
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
Insertion -catheter ---Cont.

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
chest 34.04
revision (with lysis of adhesions) 34.04
cranial cavity 01.26
placement via burr hole(s) 01.28
esophagus (nonoperative) 96.06
permanent tube 42.81
intercostal (with water seal), for drainage 34.04
revision (with lysis of adhesions) 34.04
intracerebral 01.26
placement via burr hole(s) 01.28
spinal canal space (epidural) (subarachnoid) (subdural) for infusion of therapeutic or palliative substances 03.90
Swan-Ganz (pulmonary) 89.64
tranal for oxygenation 31.99
vein NEC 38.93
for renal dialysis 38.95
chest tube 34.04
choledochohepatic tube (for decompression) 51.43
endoscopic 51.87
cochlear prosthetic device -- see Implant, cochlear prosthetic device contraceptive device (intrauterine) 69.7
CorCap™ 37.41
cordis cannula 54.98
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
**Insertion**

---Cont.

heart (initial) (transvenous) 37.70
atrium (initial) 37.73
replacement 37.76
atrium and ventricle (initial) 37.72
replacement 37.76
epicardium (sternotomy or thoracotomy approach) 37.74
left ventricular coronary venous system 00.52
temporary transvenous pacemaker system 37.78
during and immediately following cardiac surgery 39.64
ventricle (initial) 37.71
replacement 37.76
intracranial 02.93
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
dograft(s), endovascular graft(s)
endovascular, abdominal aorta 39.71
endovascular, head and neck vessels 39.72
endovascular, other vessels (for aneurysm) 39.79
endovascular, thoracic aorta 39.73
endoprosthesist
bile duct 51.87
femoral head (bipolar) 81.52
pancreatic duct 52.93
epidural pegs 02.93
external fixation device (bone) -- see category 78.1
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
cardiac support device (CSD) 37.41
circulatory assist system - see Implant, heart assist system
CorCap™ 37.41
epicardial support device 37.41
pacemaker -- see Insertion, pacemaker, cardiac
prosthetic cardiac support device 37.41
pump (Kantrowitz) 37.62
valve -- see Replacement, heart valve
ventricular support device 37.41
hip prosthesis (partial) 81.52
revision 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
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
revision 81.51
acetabular and femoral components (total) 00.70
total (acetabular and femoral components) 00.70
Holter valve 02.2
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
intra-arterial blood gas monitoring system 89.60
### Insertion---Cont.

**intrauterine**
- 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
- with reduction of fracture or dislocation -- see Reduction, fracture and Reduction, 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™ 84.59
- 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

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### Insertion---Cont.

**nasopancreatic drainage tube** (endoscopic) 52.97
- neuropacemaker -- see Implant, neurostimulator, by site
- neurostimulator -- see Implant, neurostimulator, by site
- 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. |

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**with angioplasty or atherectomy** 39.50
- with 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

**obturator (orthodontic)** 24.7

**ocular 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 02.2
- 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

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355
Insertion—Cont.

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)
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 39.8
gastric 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
peridontal splint (orthodontic) 24.7

Insertion—Cont.

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
  acetalateral and femoral components
    (total) 00.70
    acetalateral component only 00.71
    acetalateral liner and/or femoral
      head only 00.73
    femoral component only 00.72
    femoral head only and/or
      acetalateral liner 00.73
  partial
    acetalateral component only 00.71
    acetalateral liner and/or femoral
      head only 00.73
    femoral component only 00.72
    femoral head only and/or
      acetalateral liner 00.73
  total (acetalateral and femoral
    components) 00.70
  revision 81.53
ankle (total) 81.56
arm (bioelectric) (cineplastic)
  (kineplastic) 84.44
biliary tract 51.99
breast (bilateral) 85.54
  unilateral 85.53
cardiac support device (CSD) (CorCap™) 37.41
chin (polyethylene) (silastic) 76.68
elbow (total) 81.84
  revision 81.97
  extremity (bioelectric) (cineplastic)
    (kineplastic) 84.40
lower 84.48
  upper 84.44
fallopian tube 66.93
femoral head (Austin-Moore) (bipolar)
  (Eicher) (Thompson) 81.52
Insertion - prosthesis --- Cont.

**hip (partial) 81.52**
- revision 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
  - 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 acetabular and femoral components (total) 00.70
  - total (acetabular and femoral components) 00.70

**joint -- see Arthroplasty**

**knee (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

**leg (bioelectric) (cineplastic) (kinesthetic) 84.48**

**lens 13.91**

**ocular (secondary) 16.61**
- with orbital exenteration 16.42
- outflow tract (gusset type) (heart) in
  - pulmonary valvuloplasty 35.26
  - total repair of tetralogy of Fallot 35.81

**penis (internal) (noninflatable) 64.95**
- with construction 64.43
- reconstruction 64.44
- inflatable (internal) 64.97

**Rosen (for urinary incontinence) 59.79**

**Insertion - prosthesis --- Cont.**

**shoulder**
- partial 81.81
- revision 81.97
  - total 81.80

**spine**
- artificial disc, NOS 84.60
- cervical 84.62
  - nucleus 84.61
  - partial 84.61
  - total 84.62
- lumbar, lumbosacral 84.65
  - nucleus 84.64
  - partial 84.64
  - total 84.65
- thoracic (partial) (total) 84.63
- other device 84.59
- testicular (bilateral) (unilateral) 62.7
- toe 81.57
  - hallux valgus repair 77.59

**pseudophakos -- see also Insertion, lens 13.70**

**pump, infusion 86.06**

**radioactive isotope 92.27**

**radium 92.27**

**radon seeds 92.27**

**Reuter bobbin (with intubation) 20.01**

**Rickham reservoir 02.2**

**Rosen prosthesis (for urinary incontinence) 59.79**

**Scribner shunt 39.93**

**Sengstaken-Blakemore tube 96.06**

**sensor (lead)**
- intra-arterial, for continuous blood gas monitoring 89.60
- intracardiac hemodynamic monitoring 00.56

**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) 84.56**

**spine 84.51**

**sphenoidal electrodes 02.96**

**spine**
- bone void filler
  - that with kyphoplasty 81.66
  - that with vertebroplasty 81.65
- cage (BAK) 84.51
- interbody spinal fusion device 84.51
- interspinous process decompression device 84.58
- non-fusion stabilization device 84.59
- spacer 84.51
### Insertion —Cont.

- **Spitz-Holter valve** 02.2
- **Steinmann pin** 93.44
  - with reduction of fracture or dislocation
    - see Reduction, fracture and Dislocation

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

**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.

<table>
<thead>
<tr>
<th>Vessel Type</th>
<th>Code</th>
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<tbody>
<tr>
<td>Basilar</td>
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<tr>
<td>Carotid</td>
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<tr>
<td>Cerebrovascular</td>
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<tr>
<td>Cerebral (intracranial)</td>
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<td>Precerebral (extracranial)</td>
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<td>Coronary (bare) (bonded) (drug coated) (non-drug-eluting)</td>
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<td>Drug-eluting</td>
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<tr>
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<tr>
<td>Non-coronary vessel</td>
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<tr>
<td>Intracranial</td>
<td>00.65</td>
</tr>
<tr>
<td>Peripheral</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>Vertebal</td>
<td>00.64</td>
</tr>
<tr>
<td>Bile duct</td>
<td>51.43</td>
</tr>
<tr>
<td>Endoscopic</td>
<td>51.87</td>
</tr>
<tr>
<td>Percutaneous transhepatic</td>
<td>51.98</td>
</tr>
<tr>
<td>Coronary (artery)(bare) (bonded) (drug coated) (non-drug-eluting)</td>
<td>36.06</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.

- Drug-eluting 36.07

---

### Insertion –stent(s) —Cont.

- esophagus (endoscopic)(fluoroscopic) 42.81
- Mesenteric 39.90
- Bare, drug-coated 39.90
- Drug-eluting 00.55
- Non-coronary vessel

**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.

<table>
<thead>
<tr>
<th>Vessel Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basilar</td>
<td>00.64</td>
</tr>
<tr>
<td>Carotid</td>
<td>00.63</td>
</tr>
<tr>
<td>Extracranial</td>
<td>00.64</td>
</tr>
<tr>
<td>Intracranial</td>
<td>00.65</td>
</tr>
<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>
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<tr>
<td>Peripheral</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>Renal</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>Vertebal</td>
<td>00.64</td>
</tr>
<tr>
<td>Pancreatic duct</td>
<td>52.92</td>
</tr>
<tr>
<td>Endoscopic</td>
<td>52.93</td>
</tr>
<tr>
<td>Peripheral vessel</td>
<td>39.90</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.

<table>
<thead>
<tr>
<th>Vessel Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bare, drug-coated</td>
<td>39.90</td>
</tr>
<tr>
<td>Drug-eluting</td>
<td>00.55</td>
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<tr>
<td>Precerebral</td>
<td>00.64</td>
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</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.
**Insertion - stent(s) --- Cont.**

renal 39.90
bare, drug-coated 39.90
drug-eluting 00.55
subclavian 39.90

**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.

stimocoeiver -- 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
esophagus 96.06
uterus 69.91
vagina 96.14
after delivery or abortion 75.8
Tandem™ heart 37.68
telescope (IMT) (miniature) 13.91
testicular prosthesis (bilateral) (unilateral) 62.7
tissue expander (skin) NEC 86.93
breast 85.95
tissue mandril (peripheral vessel) (Dacron) (Spark’s type) 39.99
with
blood vessel repair 39.56
vascular bypass or shunt -- see Bypass, vascular

tongs, skull (with synchronous skeletal traction) 02.94
totally implanted device for bone growth (invasive) -- see category 78.9
tube -- see also Catheterization and Intubation
bile duct 51.43
debateoscopic 51.87
chest 34.04
revision (with lysis of adhesions) 34.04
endotracheal 96.04
esophagus (nonoperative) (Sengstaken) 96.06
permanent (silicone) (Souttar) 42.81
feeding
esophageal 42.81
gastric 96.6
nasogastric 96.6
gastric
by gastrostomy -- see category 43.1
for decompression, intestinal 96.07
feeding 96.6
intercostal (with water seal), for drainage 34.04
revision (with lysis of adhesions) 34.04
Miller-Abbott (for intestinal decompression) 96.08
nasobiliary (drainage) 51.86
nasogastric (for intestinal decompression) NEC 96.07
naso-jejunal 96.08
nasopancreatic drainage (endoscopic) 52.97
pancreatic duct 52.92
endoscopic 52.93
rectum 96.09
stomach (nasogastric) (for intestinal decompression) NEC 96.07
for feeding 96.6
tracheobronchial 96.05
umbrella device
atrial septum (King-Mills) 35.52
vena cava (Mobitz-Uddin) 38.7
ureteral stent (transurethral) 59.8
with ureterotomy 59.8 [56.2]
urinary sphincter, artificial (AUS) (inflatable) 58.93
vaginal mold 96.15
valve
bronchus 33.71
Holter 02.2
Hufnagel -- see Replacement, heart valve
pharyngeal (artificial) 31.75
Spitz-Holter 02.2
vas deferens 63.95
**Insertion---tube---Cont.**

- vascular access device, totally implantable 86.07
- vena cava sieve or umbrella 38.7
- Vinke tongs (skull) (with synchronous skeletal traction) 02.94
- X Stop™ 84.58

**Instillation**

- bladder 96.49
- digestive tract, except gastric gavage 96.43
- genitourinary NEC 96.49
- radioisotope (intracavitary) (intravenous) 92.28
- thoracic cavity 34.92

**Insufflation**

- Eustachian tube 20.8
- fallopian tube (air)(dye)(gas)(saline) 66.8
  - for radiography
  - -- see Hysterosalpingography
- therapeutic substance 66.95
- lumbar retroperitoneal, bilateral 88.15

**Intercricothyroidotomy**

- (for assistance in breathing) 31.1

**Intermittent positive pressure breathing**

- (IPPB) 93.91

**Interposition operation**

- esophageal reconstruction (intrathoracic) (retrosternal) NEC -- see also Anastomosis, esophagus, with, interposition 42.58
- antesternal or antethoracic NEC -- see also Anastomosis, esophagus, antesternal, with, interposition 42.68
- uterine suspension 69.21

**Interrogation---Cont.**

- pacemaker
  - with catheter based invasive electrophysiologic testing 37.26
  - with NIPS (arrhythmia induction) 37.26
  - interrogation only (bedside device check) 89.45

**Interruption**

- vena cava (inferior) (superior) 38.7

**Interview**

- evaluation) (diagnostic)
- medical, except psychiatric 89.05
  - brief (abbreviated history) 89.01
  - comprehensive (history and evaluation of new problem) 89.03
  - limited (interval history) 89.02
  - specified type NEC 89.04
- psychiatric NEC 94.19
  - follow-up 94.19
  - initial 94.19
  - pre-commitment 94.13

**Intimectomy**

- abdominal 38.16
- aorta (arch) (ascending) (descending) 38.14
- head and neck NEC 38.12
- intracranial NEC 38.11
- lower limb 38.18
- thoracic NEC 38.15
- upper limb 38.13

**Introduction**

- orthodontic appliance 24.7
- therapeutic substance (acting locally or systemically) NEC 99.29
  - bursa 83.96
  - hand 82.94
  - fascia 83.98
  - hand 82.96
  - heart 37.92
  - joint 81.92
    - temporomandibular 76.96
  - ligament (joint) 81.92
  - pericardium 37.93
  - soft tissue NEC 83.98
    - hand 82.96
    - tendon 83.97
    - hand 82.95
    - vein 39.92

**Intubation---see also Catheterization and Insertion**

- bile duct(s) 51.59
  - common 51.51
    - endoscopic 51.87
    - endoscopic 51.87
  - esophagus (nonoperative) (Sengstaken) 96.06
    - permanent tube (silicone)(Souttar) 42.81
  - Eustachian tube 20.8
  - intestine (for decompression) 96.08
  - lacrimal for
dilation 09.42
  - tear drainage, intranasal 09.81
<table>
<thead>
<tr>
<th>ICD-9-CM INDEX TO PROCEDURES (FY07)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Intubation ---Cont.</strong></td>
</tr>
<tr>
<td>larynx 96.05</td>
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<td>nasobiliary (drainage) 51.86</td>
</tr>
<tr>
<td>nasogastric</td>
</tr>
<tr>
<td>for decompression, intestinal 96.07</td>
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<tr>
<td>feeding 96.6</td>
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<tr>
<td>naso-intestinal 96.08</td>
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<td>nasogastric for intestinal</td>
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<tr>
<td>decompression NEC 96.07</td>
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<tr>
<td>feeding 96.6</td>
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<tr>
<td>trachea 96.04</td>
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<tr>
<td>ventriculocisternal 02.2</td>
</tr>
<tr>
<td>Invagination, diverticulum</td>
</tr>
<tr>
<td>gastric 44.69</td>
</tr>
<tr>
<td>laparoscopic 44.68</td>
</tr>
<tr>
<td>pharynx 29.59</td>
</tr>
<tr>
<td>stomach 44.69</td>
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<tr>
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</tr>
<tr>
<td>Inversion</td>
</tr>
<tr>
<td>appendix 47.99</td>
</tr>
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<td>diverticulum</td>
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<tr>
<td>intestine</td>
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<tr>
<td>large 45.49</td>
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<td>endoscopic 45.43</td>
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<td>small 45.34</td>
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<td>stomach 44.69</td>
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<td>tunica vaginalis 61.49</td>
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<td>Ionization, medical 99.27</td>
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<tr>
<td>Iontherapy 99.27</td>
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<tr>
<td>Iontophoresis 99.27</td>
</tr>
<tr>
<td>Iridectomy (basal) (buttonhole) (optical) (peripheral) (total) 12.14</td>
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<tr>
<td>with capsulolucotomy 13.65</td>
</tr>
<tr>
<td>cataract extraction -- see Extraction, cataract</td>
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<tr>
<td>filtering operation (for glaucoma) NEC 12.65</td>
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<tr>
<td>scleral fistulization 12.65</td>
</tr>
<tr>
<td>thermocoagulation 12.62</td>
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<td>trephination 12.61</td>
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<td>Iridencleisis 12.63</td>
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<td>Iridesis 12.63</td>
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<td>Irido-capsulolucotomy 13.65</td>
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<tr>
<td>Iridocyclectomy 12.44</td>
</tr>
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<td>Iridodesis 12.63</td>
</tr>
<tr>
<td>Iridoplasty NEC 12.39</td>
</tr>
<tr>
<td></td>
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<td></td>
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</tbody>
</table>
ICD-9-CM INDEX TO PROCEDURES (FY07)

Irving operation (tubal ligation) 66.32
Irwin operation -- see also Osteotomy 77.30
Ischiectomy (partial) 77.89
    total 77.99
Ischiopubiotomy 77.39

Isolation
    after contact with infectious disease 99.84
    ileal loop 45.51
    intestinal segment or pedicle flap
        large 45.52
        small 45.51

Isthmectomy, thyroid
    -- see also Thyroidectomy, partial 06.39

J

Jaboulay operation
    (gastroduodenostomy) 44.39
    laparoscopic 44.38
Janeway operation (permanent gastrostomy) 43.19
Jatene operation (arterial switch) 35.84
Jejunectomy 45.62
Jejunocystostomy 45.93
Jejunoochecystostomy 51.32
Jejunocolostomy 45.93
Jejunoleostomy 45.91
Jejunoojunojunionostomy 45.91
Jejunopexy 46.61
Jejunorrhaphy 46.73
Jejunostomy (feeding) 46.39
    delayed opening 46.31
    loop 46.01
    percutaneous (endoscopic) (PEJ) 46.32
    revision 46.41

Jejunotomy 45.02
Johanson operation (urethral reconstruction) 58.46
Jones operation
    claw toe (transfer of extensor hallucis longus tendon) 77.57
    modified (with arthrodesis) 77.57
    dacrtyocystorhinostomy 09.81
    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
| Kader operation (temporary gastrostomy) | Kessler operation (arthroplasty, carpometacarpal joint) |
| Kasai portoenterostomy | Kidner operation (excision of accessory navicular bone (with tendon transfer) |
| Kaufman operation (for urinary stress incontinence) | Killian operation (frontal sinusotomy) |
| Kazanjian operation (buccal vestibular sulcus extension) | Kineplasty -- see Cineplasty |
| Kehr operation (hepatopexy) | King-Steelquist operation (hind-quarter amputation) |
| Keller operation (bunionectomy) | Kirk operation (amputation through thigh) |
| Kelly (-Kennedy) operation (urethrovesical plication) | Kock pouch |
| Kelly-Stoeckel operation (urethrovesical plication) | bowel anastomosis -- omit code |
| Kelotomy | continent ileostomy |
| Keratectomy (complete) (partial) (superficial) | cutaneous uretero-ileostomy |
| for pterygium | ESWL (electrocorporeal shockwave lithotripsy) |
| with corneal graft | removal, calculus |
| Keratocentesis (for hyphema) | revision, cutaneous uretero-ileostomy |
| Keratomileusis | urinary diversion procedure |
| Keratophakia | Kockogram (ileal conduitogram) |
| Keratoplasty (tectonic) (with autograft) (with homograft) | Kockoscopy |
| lamellar (nonpenetrating) (with homograft) | Kondoleon operation (correction of lymphedema) |
| with autograft | Krause operation (sympathetic denervation) |
| penetrating (full-thickness) (with homograft) | Kroener operation (partial salpingectomy) |
| with autograft | Kroenlein operation (lateral orbitotomy) |
| perforating -- see Keratoplasty, penetrating refractive | Kronig operation (low cervical cesarean section) |
| refractive | Krunkenberg operation (reconstruction of below-elbow amputation) |
| specified type NEC | Kuhnt-Szymanski operation (ectropion repair with lid reconstruction) |
| Keratoprosthesis | Kyphoplasty |
Labbe operation (gastrotomy) 43.0
Labiectomy (bilateral) 71.62
Labiectomy (unilateral) 71.61
Labyrinthectomy (transtympanic) 20.79
Labyrinthotomy (transtympanic) 20.79
Ladd operation (mobilization of intestine) 54.95
Lagrange operation (iridosclerectomy) 12.65
Lambrinudi operation (triple arthrodesis) 81.12
Laminectomy (decompression)
Laminectomy (for exploration) 03.09
Laminography -- see Radiography
Laminoplasty, expansile 03.09
Laminotomy (decompression)
Laminotomy (for exploration) 03.09
Lamperbeck operation (cleft palate repair) 27.62
Laparoamnioscopy 75.31
Laparorrhaphy 54.63
Laparoscopy 54.21
Laparoscopy with
biopsy (intra-abdominal) 54.24
uterine ligaments 68.15
uterus 68.16
destruction of fallopian tubes
-- see Destruction, fallopian tube
Laparotomy NEC 54.19
Laparotomy (as operative approach -- omit code)
exploratory (pelvic) 54.11
reopening of recent operative site
(for control of hemorrhage) 54.12
exploratory (for incision of hematoma) 54.12
Laparotrichelotomy 74.1
Lapidus operation (bunionectomy with metatarsal osteotomy) 77.51
Larry operation (shoulder disarticulation) 84.08
Laryngectomy with radical neck dissection
(with synchronous thyroidectomy) 30.4
Laryngectomy with synchronous tracheostomy 30.3
frontolateral partial (extended) 30.4
Laryngectomy with synchronous thyroidectomy
with synchronous tracheostomy 30.3
Laryngectomy with synchronous tracheostomy
with synchronous tracheostomy 30.3
with radical neck dissection (with synchronous thyroidectomy) 30.4
with synchronous tracheostomy 30.3
vertical partial 30.29
wide field 30.3
Laryngocentesis 31.3
Laryngoesophagectomy 30.4
Laryngofissure 30.29
Laryngogram 87.09
contrast 87.07
Laryngoplasty 31.69
Laryngorrhapsy 31.61
Laryngoscopy (suspension) (through artificial stoma) 31.42
Laryngostomy (permanent) 31.29
revision 31.63
temporary (emergency) 31.1
Laryngotomy 31.3
Laryngotracheobronchoscopy 33.23
with biopsy 33.24
Laryngotracheoscopy 31.42
Laryngotracheostomy (permanent) 31.29
temporary (emergency) 31.1
Laryngotracheostomy (permanent) 31.1
permanent 31.29
Laser -- see also Coagulation, Destruction, and Photocoagulation by site
angioplasty, percutaneous transluminal 39.59
coronary -- see Angioplasty, coronary
Lash operation
internal cervical os repair 67.59
laparoscopic supracervical hysterectomy 68.31
LASIK (Laser-assisted in situ keratomileusis) 11.71
Latzko operation
cesarean section 74.2
colpocleisis 70.8
Lavage
antral 22.00
bronchus NEC 96.56
diagnostic (endoscopic) bronchoalveolar
lavage (BAL) 33.24
endotracheal 96.56
gastric 96.33
lung (total)(whole) 33.99
diagnostic (endoscopic) bronchoalveolar
lavage (BAL) 33.24
nasal sinus(es) 22.00
by puncture 22.01
through natural ostium 22.02
peritoneal (diagnostic) 54.25
trachea NEC 96.56
Leadbetter operation (urethral
reconstruction) 58.46
Leadbetter-Politano operation
(ureteroneocystostomy) 56.74
LEEP (loop electrosurgical excision procedure)
of cervix 67.32
Le Fort operation (colpocleisis) 70.8
LeMesurier operation (cleft lip repair) 27.54
Lengthening
bone (with bone graft) 78.30
femur 78.35
for reconstruction of thumb 82.69
specified site NEC -- see also category
78.3, 78.39
tibia 78.37
ulna 78.33
extraocular muscle NEC 15.21
multiple (two or more muscles) 15.4
fascia 83.89
hand 82.89
hamstring NEC 83.85
heel cord 83.85
leg
femur 78.35
tibia 78.37
levator palpebrae muscle 08.38
muscle 83.85
extraocular 15.21
multiple (two or more muscles) 15.4
hand 82.55
palate 27.62
secondary or subsequent 27.63
Lengthening --- Cont.
tendon 83.85
for claw toe repair 77.57
hand 82.55
Leriche operation (periarterial
sympathectomy) 05.25
Leucotomy, leukotomy 91.32
Leukopheresis, therapeutic 99.72
Lid suture operation (blepharoptosis) 08.31
Ligation
adrenal vessel (artery) (vein) 07.43
aneurysm 39.52
appendages, dermal 86.26
arteriovenous fistula 39.53
coronary artery 36.99
artery 38.80
abdominal 38.86
adrenal 07.43
aorta (arch)(ascending)(descending) 38.84
coronary (anomalous) 36.99
ethmoidal 21.04
external carotid 21.06
for control of epistaxis--see Control,
epistaxis
head and neck NEC 38.82
intracranial NEC 38.81
lower limb 38.88
maxillary (transantral) 21.05
middle meningeal 02.13
thoracic NEC 38.85
thyroid 06.92
upper limb 38.83
atrium, heart 37.99
auricle, heart 37.99
bleeding vessel -- see Control, hemorrhage
blood vessel 38.80
abdominal
artery 38.86
vein 38.87
adrenal 07.43
aorta (arch)(ascending)(descending) 38.84
esophagus 42.91
endoscopic 42.33
head and neck 38.82
intracranial NEC 38.81
lower limb
artery 38.88
vein 38.89
meningeal (artery) (longitudinal sinus) 02.13
thoracic NEC 38.85
thyroid 06.92
upper limb (artery) (vein) 38.83
bronchus 33.92
cisterna chyli 40.64
coronary
artery (anomalous) 36.99
sinus 36.39
dermal appendage 86.26
Ligation---Cont.
ductus arteriosus, patent 38.85
esophageal vessel 42.91
endoscopic 42.33
ethmoidal artery 21.04
external carotid artery 21.06
fallopian tube (bilateral) (remaining)
(solitary) 66.39
by endoscopy (culdoscopy)
(hysteroscopy) (laparoscopy)
(peritoneoscopy) 66.29
with
  crushing 66.31
  by endoscopy (laparoscopy) 66.21
  division 66.32
  by endoscopy (culdoscopy) (laparo-
  scopy) (peritoneoscopy) 66.22
  Falope ring 66.39
  by endoscopy (laparoscopy) 66.29
unilateral 66.92
fistula, arteriovenous 39.53
  coronary artery 36.99
gastric
  artery 38.86
  varices 44.91
    endoscopic 43.41
  hemorrhoids 49.45
longitudinal sinus (superior) 02.13
lymphatic (channel) (peripheral) 40.9
thoracic duct 40.64
maxillary artery 21.05
meningeal vessel 02.13
spermatic
  cord 63.72
    varicocele 63.1
  vein (high) 63.1
  splenic vessels 38.86
  subclavian artery 38.85
superior longitudinal sinus 02.13
supernumerary digit 86.26
thoracic duct 40.64
thyroid vessel (artery) (vein) 06.92
  toes (supernumerary) 86.26
  tooth 93.55
    impacted 24.6
  ulcer (peptic) (base) (bleeding vessel)
    44.40
    duodenal 44.42
    gastric 44.41
ureter 56.95
varices
  esophageal 42.91
    endoscopic 42.33
  gastric 44.91
    endoscopic 43.41
  peripheral vein (lower limb) 38.59
    upper limb 38.53
  varicocele 63.1

Ligation---Cont.
vas deferens 63.71
vein 38.80
  abdominal 38.87
  adrenal 07.43
  head and neck NEC 38.82
  intracranial NEC 38.81
  lower limb 38.89
  spermatic, high 63.1
  thoracic NEC 38.85
  thyroid 06.92
  upper limb 38.83
varicose 38.50
  abdominal 38.57
  esophageal 42.91
    endoscopic 43.41
  gastric 44.91
    endoscopic 43.41
  head and neck 38.52
  intracranial NEC 38.51
  lower limb 38.59
  stomach 44.91
  thoracic NEC 38.55
  upper limb 38.53
vena cava, inferior 38.7
venous connection between anomalous
  vein to
  left innominate vein 35.82
  superior vena cava 35.82
wart 86.26

Light coagulation -- see Photocoagulation
Linholm operation (repair of ruptured
tendon) 83.88
Lingulectomy, lung 32.3
Linton operation (varicose vein) 38.59
Lipectomy (subcutaneous tissue)
  (abdominal) (submental) 86.83
Liposuction 86.83
Lip reading training 95.49
Lip shave 27.43
Lisfranc operation
  foot amputation 84.12
  shoulder disarticulation 84.08
Litholapaxy, bladder 57.0
  by incision 57.19
LithotomY
  bile passage 51.49
  bladder (urinary) 57.19
  common duct 51.41
    percutaneous 51.96
  gallbladder 51.04
  hepatic duct 51.49
  kidney 55.01
    percutaneous 55.03
  ureter 56.2
Lithotripsy
  bile duct NEC 51.49
    extracorporeal shockwave(ESWL) 98.52
Lithotripsy —Cont.
  bladder 57.0
    with ultrasonic fragmentation 57.0 [59.95]
  extracorporeal shockwave (ESWL) 98.51
  extracorporeal shockwave (ESWL) NEC 98.59
  bile duct 98.52
  bladder (urinary) 98.51
  gallbladder 98.52
  kidney 98.51
  Kock pouch 98.51
  renal pelvis 98.51
  specified site NEC 98.59
  ureter 98.51
  gallbladder NEC 51.04
  endoscopic 51.88
  extracorporeal shockwave (ESWL) 98.52
  kidney 56.0
  extracorporeal shockwave (ESWL) 98.51
  percutaneous nephrostomy with fragmentation (laser) (ultrasound) 55.04
  renal pelvis 56.0
  extracorporeal shockwave (ESWL) 98.51
  percutaneous nephrostomy with fragmentation (laser) (ultrasound) 55.04
  ureter 56.0
  extracorporeal shockwave (ESWL) 98.51
Littlewood operation (forequarter amputation) 84.09
LLETZ (large loop excision of the transformation zone) of cervix 67.32
Lloyd-Davies operation (abdominoperineal resection) 48.5
Lobectomy
  brain 01.53
    partial 01.59
  liver (with partial excision of adjacent lobes) 50.3
  lung (complete) 32.4
    partial 32.3
    segmental (with resection of adjacent lobes) 32.4
  thyroid (total) (unilateral) (with removal of isthmus) (with removal of portion of remaining lobe) 96.2
  partial -- see also Thyroidectomy, partial 96.39
  substernal 96.51
  subtotal -- see also Thyroidectomy, partial 96.39
Lobotomy, brain 01.32
Localization, placenta 88.78
  by RISA injection 92.17
Longmire operation (bile duct anastomosis) 51.39
Loop ileal stoma (see also Ileostomy) 46.01
Loopogram 87.78

Loposcopy (ileal conduit) 56.35
Lord operation
  dilation of anal canal for hemorrhoids 49.49
  hemorrhoidectomy 49.49
  orchidopexy 62.5
Lower GI series (x-ray) 87.64
Lucas and Murray operation (knee arthrodesis with plate) 81.22
Lumpectomy
  breast 85.21
  specified site -- see Excision, lesion, by site
Lymphadenectomy (simple) -- see also
  Excision, lymph, node 40.29
Lymphadenotomy 40.0
Lymphangiectomy (radical) --see also Excision, lymph, node, by site, radical 40.50
Lymphangiogram
  abdominal 88.04
  cervical 87.08
  intrathoracic 87.34
  lower limb 88.36
  pelvic 88.04
  upper limb 88.34
Lymphangioplasty 40.9
Lymphangiorrhaphy 40.9
Lymphangiotomy 40.0
Lymphaticocystostomy 40.9
  thoracic duct 40.62
Lysis
  adhesions
    NOTE: blunt -omit code
digital -omit code
manual -omit code
mechanical -omit code
without instrumentation -omit code
  abdominal 54.59
  laparoscopic 54.51
  appendiceal 54.59
  laparoscopic 54.51
  artery-vein-nerve bundle 39.91
  biliary tract 54.59
  laparoscopic 54.51
  bladder (neck) (intraluminal) 57.12
    external 59.11
    transurethral 57.41
  blood vessels 39.91
  bone -- see category 78.4
  bursa 83.91
    by stretching or manipulation 93.28
    hand 82.91
  cartilage of joint 93.26
  chest wall 33.99
  choanae (nasopharynx) 29.54
  conjunctiva 10.5
  corneovitreal 12.34
  cortical (brain) 02.91
Lysis - adhesions -- Cont.

- ear, middle 20.23
- Eustachian tube 20.8
- extraocular muscle 15.7
- extrauterine 54.59
  - laparoscopic 54.51
- eyelid 08.09
  - and conjunctiva 10.5
- eye muscle 15.7
- fallopian tube 65.89
  - laparoscopic 65.81
- fascia 83.91
  - hand 82.91
    - by stretching or manipulation 93.26
- gallbladder 54.59
  - laparoscopic 54.51
- ganglion (peripheral) NEC 04.49
  - cranial NEC 04.42
- hand 82.91
  - by stretching or manipulation 93.26
- heart 37.10
- intestines 54.59
  - laparoscopic 54.51
- iris (posterior) 12.33
  - anterior 12.32
- joint (capsule) (structure) -- see also
  - Division, joint capsule 80.40
- kidney 59.02
  - laparoscopic 59.03
- labia (vulva) 71.01
- larynx 31.92
- liver 54.59
  - laparoscopic 54.51
- lung (for collapse of lung) 33.39
  - mediastinum 34.99
- meninges (spinal) 03.6
  - cortical 02.91
- middle ear 20.23
- muscle 83.91
  - by stretching or manipulation 93.27
    - extraocular 15.7
  - hand 82.91
    - by stretching or manipulation 93.26
- nasopharynx 29.54
- nerve (peripheral) NEC 04.49
  - cranial NEC 04.42
  - roots, spinal 03.6
  - trigeminal 04.41
- nose, nasal 21.91
- ocular muscle 15.7

Lysis - adhesions -- Cont.

- ovary 65.89
  - laparoscopic 65.81
- pelvic 54.59
  - laparoscopic 54.51
- penile 64.93
- pericardium 37.12
- perineal (female) 71.01
- perirectal 48.81
- perirenal 59.02
  - laparoscopic 59.03
  - peritoneum (pelvic) 54.59
  - laparoscopic 54.51
- periureteral 59.02
  - laparoscopic 59.03
  - perivesical 59.11
  - laparoscopic 59.12
- pharynx 29.54
- pleura (for collapse of lung) 33.39
- spermatic cord 63.94
- spinal (cord) (meninges) (nerve roots) 03.6
- spleen 54.59
  - laparoscopic 54.51
- tendon 83.91
  - by stretching or manipulation 93.27
  - hand 82.91
    - by stretching or manipulation 93.26
- thorax 34.99
- tongue 25.93
- trachea 31.92
- tubo-ovarian 65.89
  - laparoscopic 65.81
- ureter 59.02
  - with freeing or repositioning of ureter 59.02
    - intraluminal 56.81
    - laparoscopic 59.03
- urethra (intraluminal) 58.5
- uterus 54.59
  - intraluminal 68.21
  - laparoscopic 54.51
  - peritoneal 54.59
  - laparoscopic 54.51
- vagina (intraluminal) 70.13
- vitreous (posterior approach) 14.74
  - anterior approach 14.73
- vulva 71.01
- goniosynechiae (with injection of air or liquid) 12.31
- synechiae (posterior) 12.33
  - anterior (with injection of air or liquid) 12.32
### M

**Madlener operation** (tubal ligation) 66.31  
**Magnet extraction**  
- foreign body  
  - anterior chamber, eye 12.01  
  - choroid 14.01  
  - ciliary body 12.01  
  - conjunctiva 98.22  
  - cornea 11.0  
  - eye, eyeball NEC 98.21  
  - anterior segment 12.01  
  - posterior segment 14.01  
- intraocular (anterior segment) 12.01  
- iris 12.01  
- lens 13.01  
- orbit 98.21  
- retina 14.01  
- sclera 12.01  
- vitreous 14.01  
**Magnetic resonance imaging** (nuclear)  
- see Imaging, magnetic resonance  
**Magnuson (Stack) operation** (arthroplasty for recurrent shoulder dislocation) 81.82  
**Malleostapediopexy** 19.19  
- with incus replacement 19.11  
**Malström’s vacuum extraction** 72.79  
- with episiotomy 72.71  
**Mammoplasty**  
- see Mammaplasty  
**Mammectomy**  
- see also Mastectomy  
  - subcutaneous (unilateral) 85.34  
  - with synchronous implant 85.33  
  - bilateral 85.36  
  - with synchronous implant 85.35  
**Mammilliplasty** 85.87  
**Mammography NEC** 87.37  
**Mammotomy** 85.0  
**Manchester (-Donald) (-Fothergill) operation** (uterine suspension) 69.22  
**Mandibulectomy** (partial) 76.31  
- total 76.42  
- with reconstruction 76.41  
**Maneuver** (method)  
- Bracht 72.52  
- Credé 73.59  
- De Lee (key-in-lock) 72.4  
- Kristeller 72.54  
- Loveset’s (extraction of arms in breech birth) 72.52  
- Mauriceau (-Smellie-Veit) 72.52  
- Pinard (total breech extraction) 72.54  
- Prague 72.52  
- Ritgen 73.59  
- Scanzoni (rotation) 72.4  
- Van Hoorn 72.52  
- Wigand-Martin 72.52  
**Manipulation**  
- with reduction of fracture or dislocation  
  - see Reduction, fracture and Dislocation  
- enterostomy stoma (with dilation) 96.24  
- intestine (intra-abdominal) 46.80  
  - large 46.82  
  - small 46.81  
- joint  
  - adhesions 93.26  
    - temporomandibular 76.95  
  - dislocation -- see Reduction, dislocation  
- lacrimal passage (tract) NEC 09.49  
- muscle structures 93.27  
- musculoskeletal (physical therapy) NEC 93.29  
- nasal septum, displaced 21.88  
- osteopathic NEC 93.67  
  - for general mobilization (general articulation) 93.61  
  - high-velocity, low-amplitude forces (thrusting) 93.62  
  - indirect forces 93.65  
  - isotonic, isometric forces 93.64  
  - low-velocity, high-amplitude forces (springing) 93.63  
  - to move tissue fluids 93.66  
- rectum 96.22  
- salivary duct 26.91  
- stomach, intraoperative 44.92  
- temporomandibular joint NEC 76.95  
- ureteral calculus by catheter  
  - with removal 56.0  
  - without removal 59.8  

---

369
Manipulation ---Cont.
uterus NEC 69.98
    gravid 75.99
    inverted
        manual replacement
            (following delivery) 75.94
    surgical -- see Repair, inverted uterus
Manometry
esophageal 89.32
    spinal fluid 89.15
    urinary 89.21
Manual arts therapy 93.81
Mapping
cardiac (electrophysiologic) 37.27
    doppler (flow) 88.72
    electrocardiogram only 89.52
Marckwald operation (cervical os repair) 67.59
Marshall-Marchetti (-Krantz) operation
    (retropubic urethral suspension) 59.5
Marsupialization -- see also Destruction, lesion, by site
cyst
    Bartholin's 71.23
    brain 01.59
    cervical (nabothisian) 67.31
    dental 24.4
    dentigerous 24.4
    kidney 55.31
    larynx 30.01
    liver 50.21
    ovary 65.21
        laparoscopic 65.23
    pancreas 52.3
    pilonidal (open excision) (with partial closure) 86.21
    salivary gland 26.21
    spinal (intraspinal) (meninges) 03.4
    spleen, splenic 41.41
lesion
    brain 01.59
    cerebral 01.59
    liver 50.21
    pilonidal cyst or sinus (open excision) (with partial closure) 86.21
    pseudocyst, pancreas 52.3
    ranula, salivary gland 26.21
Massage
cardiac (external) (manual) (closed) 99.63
    open 37.91
    prostatic 99.94
    rectal (for levator spasm) 99.93
MAST (military anti-shock trousers) 93.58
Mastectomy (complete) (prophylactic)
    (simple) (unilateral) 85.41
    with
        excision of regional lymph nodes 85.43
            bilateral 85.44
        preservation of skin and nipple 85.34
            with synchronous implant 85.33
                bilateral 85.36
        with synchronous implant 85.35
    bilateral 85.42
    extended
        radical (Urban) (unilateral) 85.47
            bilateral 85.48
        simple (with regional lymphadenectomy)
            (unilateral) 85.43
                bilateral 85.44
        modified radical (unilateral) 85.43
            bilateral 85.44
        partial 85.23
        radical (Halsted) (Meyer) (unilateral) 85.45
            bilateral 85.46
        extended (Urban) (unilateral) 85.47
            bilateral 85.48
        modified (unilateral) 85.43
            bilateral 85.44
        subcutaneous 85.34
            with synchronous implant 85.33
            bilateral 85.36
            with synchronous implant 85.35
        subtotal 85.23
Masters' stress test (two-step) 89.42
Mastoidectomy (cortical)(conservative) 20.49
    complete (simple) 20.41
    modified radical 20.49
    radical 20.42
    modified 20.49
    simple (complete) 20.41
Mastoidotomy 20.21
Mastoidotympanectomy 20.42
Mastopexy 85.6
Mastoplasty -- see Mammoplasty
Mastorrhaphy 85.81
Mastotomy 85.0
Matas operation (aneurysmorrhaphy) 39.52
Mayo operation
    bunioectomy 77.59
    herniorrhaphy 53.49
    vaginal hysterectomy 68.59
    laparoscopically assisted (LAVH) 68.51
Mazet operation (knee disarticulation) 84.16
McBride operation (bunioectomy with soft tissue correction) 77.53
McBurney operation -- see Repair, hernia, inguinal
McCall operation (enterocele repair) 70.92
McCauley operation (release of clubfoot) 83.84
McDonald operation (encirclement suture, cervix) 67.59
<table>
<thead>
<tr>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>McIndoe operation</strong> (vaginal construction) 70.61</td>
</tr>
<tr>
<td><strong>McKeever operation</strong> (fusion of first metatarsophalangeal joint for hallux valgus repair) 77.52</td>
</tr>
<tr>
<td><strong>McKissock operation</strong> (breast reduction) 85.33</td>
</tr>
<tr>
<td><strong>McReynolds operation</strong> (transposition of pterygium) 11.31</td>
</tr>
<tr>
<td><strong>McVay operation</strong> femoral hernia --see Repair, hernia,femoral inguinal hernia --see Repair, hernia,inguinal</td>
</tr>
<tr>
<td><strong>Measurement</strong></td>
</tr>
<tr>
<td>airway resistance 89.38</td>
</tr>
<tr>
<td>anatomic NEC 89.39</td>
</tr>
<tr>
<td>arterial blood gases 89.65</td>
</tr>
<tr>
<td>basal metabolic rate (BMR) 89.39</td>
</tr>
<tr>
<td>blood gases arterial 89.65</td>
</tr>
<tr>
<td>continuous intra-arterial 89.60</td>
</tr>
<tr>
<td>venous 89.66</td>
</tr>
<tr>
<td>body 93.07</td>
</tr>
<tr>
<td>cardiac output (by)</td>
</tr>
<tr>
<td>Fick method 89.67</td>
</tr>
<tr>
<td>indicator dilution technique 89.68</td>
</tr>
<tr>
<td>oxygen consumption technique 89.67</td>
</tr>
<tr>
<td>thermodilution indicator 89.68</td>
</tr>
<tr>
<td>cardiovascular NEC 89.59</td>
</tr>
<tr>
<td>central venous pressure 89.62</td>
</tr>
<tr>
<td>coronary blood flow 89.69</td>
</tr>
<tr>
<td>gastric function NEC 89.39</td>
</tr>
<tr>
<td>girth 93.07</td>
</tr>
<tr>
<td>intelligence 94.01</td>
</tr>
<tr>
<td>intracranial pressure 01.12</td>
</tr>
<tr>
<td>intraocular tension or pressure 89.11</td>
</tr>
<tr>
<td>as part of extended ophthalmologic work-up 95.03</td>
</tr>
<tr>
<td>intrauterine pressure 89.62</td>
</tr>
<tr>
<td>limb length 93.06</td>
</tr>
<tr>
<td>lung volume 89.37</td>
</tr>
<tr>
<td>mixed venous blood gases 89.66</td>
</tr>
<tr>
<td>physiologic NEC 89.39</td>
</tr>
<tr>
<td>portovenous pressure 89.62</td>
</tr>
<tr>
<td>range of motion 93.05</td>
</tr>
<tr>
<td>renal clearance 89.29</td>
</tr>
<tr>
<td>respiratory NEC 89.38</td>
</tr>
<tr>
<td>skin fold thickness 93.07</td>
</tr>
<tr>
<td>skull circumference 93.07</td>
</tr>
<tr>
<td>sphincter of Oddi pressure 51.15</td>
</tr>
<tr>
<td>systemic arterial blood gases 89.65</td>
</tr>
<tr>
<td>continuous intra-arterial 89.60</td>
</tr>
<tr>
<td>pressure 89.61</td>
</tr>
<tr>
<td>urine (bioassay) (chemistry) 89.29</td>
</tr>
<tr>
<td>vascular 89.59</td>
</tr>
<tr>
<td>venous blood gases 89.66</td>
</tr>
<tr>
<td>vital capacity (pulmonary) 89.37</td>
</tr>
<tr>
<td><strong>Meatoplasty</strong> ear 18.6</td>
</tr>
<tr>
<td>urethra 58.47</td>
</tr>
<tr>
<td><strong>Meatotomy</strong> ureter 56.1</td>
</tr>
<tr>
<td>urethra 58.1</td>
</tr>
<tr>
<td>internal 58.5</td>
</tr>
<tr>
<td><strong>Mechanical ventilation</strong> -- see Ventilation</td>
</tr>
<tr>
<td><strong>Mediastinectomy</strong> 34.3</td>
</tr>
<tr>
<td><strong>Mediastinoscopy</strong> (transpleural) 34.22</td>
</tr>
<tr>
<td><strong>Mediastinotomy</strong> 34.1</td>
</tr>
<tr>
<td>with pneumonectomy 32.5</td>
</tr>
<tr>
<td><strong>Meloplasty, facial</strong> 86.82</td>
</tr>
<tr>
<td><strong>Meningeorrhaphy</strong> (cerebral) 02.12</td>
</tr>
<tr>
<td>spinal NEC 03.59</td>
</tr>
<tr>
<td>for meningocele 03.51</td>
</tr>
<tr>
<td>myelomeningocele 03.52</td>
</tr>
<tr>
<td><strong>Menisectomy</strong> (knee) NEC 80.6</td>
</tr>
<tr>
<td>acromioclavicular 80.91</td>
</tr>
<tr>
<td>sternoclavicular 80.91</td>
</tr>
<tr>
<td>temporomandibular (joint) 76.5</td>
</tr>
<tr>
<td>wrist 80.93</td>
</tr>
<tr>
<td><strong>Menstrual extraction or regulation</strong> 69.6</td>
</tr>
<tr>
<td><strong>Mentoplasty</strong> (augmentation) (with graft) (with implant) 76.68</td>
</tr>
<tr>
<td>reduction 76.67</td>
</tr>
<tr>
<td><strong>Mesenterectomy</strong> 54.4</td>
</tr>
<tr>
<td><strong>Mesenteriopexy</strong> 54.75</td>
</tr>
<tr>
<td><strong>Mesenteriplication</strong> 54.75</td>
</tr>
<tr>
<td><strong>Mesocoloplication</strong> 54.75</td>
</tr>
<tr>
<td><strong>Mesopexy</strong> 54.75</td>
</tr>
<tr>
<td><strong>Metatarsectomy</strong> 77.98</td>
</tr>
<tr>
<td><strong>Metroplasty</strong> 69.49</td>
</tr>
<tr>
<td><strong>Mid forceps delivery</strong> 72.29</td>
</tr>
<tr>
<td><strong>Mikulicz operation</strong> (exteriorization of intestine) (first stage) 46.03</td>
</tr>
<tr>
<td>second stage 46.04</td>
</tr>
<tr>
<td><strong>Miles operation</strong> (proctectomy) 48.5</td>
</tr>
<tr>
<td><strong>Military anti-shock trousers (MAST)</strong> 93.58</td>
</tr>
<tr>
<td><strong>Millard operation</strong> (cheiloplasty) 27.54</td>
</tr>
<tr>
<td><strong>Miller operation</strong> midtarsal arthrodesis 81.14</td>
</tr>
<tr>
<td>urethrovesical suspension 59.4</td>
</tr>
<tr>
<td><strong>Millin-Read operation</strong> (urethrovesical suspension) 59.4</td>
</tr>
<tr>
<td><strong>Mist therapy</strong> 93.94</td>
</tr>
<tr>
<td><strong>Mitchell operation</strong> (hallux valgus repair) 77.51</td>
</tr>
<tr>
<td><strong>Mobilization</strong> joint NEC 93.16</td>
</tr>
<tr>
<td>mandible 76.95</td>
</tr>
<tr>
<td>neoostrophiungic (mitral valve) 35.12</td>
</tr>
<tr>
<td>spine 93.15</td>
</tr>
<tr>
<td>stapes (transcrural) 19.0</td>
</tr>
<tr>
<td>testis in scrotum 62.5</td>
</tr>
<tr>
<td><strong>Mohs operation</strong> (chemosurgical excision of skin) 86.24</td>
</tr>
<tr>
<td><strong>Molegraphy</strong> 87.81</td>
</tr>
</tbody>
</table>
Monitoring
cardiac output (by)
ambulatory (ACM) 89.50
electrographic 89.54
during surgery -- omit code
Fick method 89.67
Holter-type device 89.50
indicator dilution technique 89.68
intracardiac hemodynamic
sensor (lead) 00.56
subcutaneous device 00.57
oxygen consumption technique 89.67
specified technique NEC 89.68
telemetry (cardiac) 89.54
thermodilution indicator 89.68
transesophageal cardiac output (Doppler)
(ultrasound) 89.68
central venous pressure 89.62
circulatory NEC 89.69
continuous intra-arterial blood gas 89.60
coronary blood flow (coincidence counting technique) 89.69
electroencephalographic 89.19
radio-telemetered 89.19
video 89.19
fetus (fetal heart)
antepartum
nonstress (fetal activity acceleration determinations) 75.34
oxytocin challenge (contraction stress test) 75.35
ultrasonography (early pregnancy) (Doppler) 88.78
intrapartum (during labor)
(extraterine) (external) 75.34
auscultatory (stethoscope) -- omit code
internal (with contraction measurements) (ECG) 75.32
intrauterine (direct) (ECG) 75.32
phonocardiographic (extraterine) 75.34
pulsed ultrasound (Doppler) 88.78
transcervical fetal oxygen saturation monitoring 75.38
transcervical fetal SpO2 monitoring 75.38
Holter-type device (cardiac) 89.50
intracranial pressure 01.18
pulmonary artery pressure 89.63
wedge 89.64
sleep (recording) -- see categories 89.17-89.18
systemic arterial pressure 89.61
telemetry (cardiac) 89.54
transesophageal cardiac output (Doppler) 89.68
ventricular pressure (cardiac) 89.62

Moore operation (arthroplasty) 81.52
Moschowitz
enterocele repair 70.92
herniorrhaphy -- see Repair, hernia, femoral
sigmoidopexy 46.63
Mountain resort sanitarium 93.98
Mouth-to-mouth resuscitation 93.93
Moxibustion 93.35
MRI -- see Imaging, magnetic resonance
Muller operation (banding of pulmonary artery) 38.85
Multiple sleep latency test (MSLT) 89.18
Mumford operation (partial clavicleectomy) 77.81
Musculoplasty -- see also Repair, muscle 83.87
hand -- see also Repair, muscle, hand 82.89
Music therapy 93.84
Mustard operation (interatrial transposition of venous return) 35.91
Myectomy 83.45
anorectal 48.92
eye muscle 15.13
multiple 15.3
for graft 83.43
hand 82.34
hand 82.36
for graft 82.34
levator palpebrae 08.33
rectal 48.92
Myelogram, myelography (air) (gas) 87.21
posterior fossa 87.02
Myelotomy 83.99
hand 82.99
Myectomy (uterine) 68.29
broad ligament 69.19
Myoplasty -- see also Repair, muscle 83.87
hand -- see also Repair, muscle, hand 82.89
mastoid 19.9
Myorrhaphy 83.65
hand 82.46
Myosuture 83.65
hand 82.46
Myotasis 93.27
Myotensionoplasty -- see also Repair, tendon 83.88
hand 82.86
Myotenoplasty -- see also Repair, tendon 83.88
hand 82.86
### ICD-9-CM INDEX TO PROCEDURES (FY07)

<table>
<thead>
<tr>
<th>Term</th>
<th>Code(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Myotenotomy</td>
<td>83.13</td>
</tr>
<tr>
<td>hand</td>
<td>82.11</td>
</tr>
<tr>
<td><strong>Myotomy</strong></td>
<td>83.02</td>
</tr>
<tr>
<td>with division</td>
<td>83.19</td>
</tr>
<tr>
<td>hand</td>
<td>82.19</td>
</tr>
<tr>
<td>colon NEC</td>
<td>46.92</td>
</tr>
<tr>
<td>sigmoid</td>
<td>46.91</td>
</tr>
<tr>
<td>cricopharyngeal</td>
<td>29.31</td>
</tr>
<tr>
<td>that for pharyngeal</td>
<td></td>
</tr>
<tr>
<td>(pharyngoesophageal)</td>
<td></td>
</tr>
<tr>
<td>diverticulectomy</td>
<td>29.32</td>
</tr>
<tr>
<td>esophagus</td>
<td>42.7</td>
</tr>
<tr>
<td>eye (oblique) (rectus)</td>
<td>15.21</td>
</tr>
<tr>
<td>multiple (two or more muscles)</td>
<td>15.4</td>
</tr>
<tr>
<td>hand</td>
<td>82.02</td>
</tr>
<tr>
<td>with division</td>
<td>82.19</td>
</tr>
<tr>
<td>levator palpebrae</td>
<td>08.38</td>
</tr>
<tr>
<td>sigmoid (colon)</td>
<td>46.91</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term</th>
<th>Code(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Myringectomy</td>
<td>20.59</td>
</tr>
<tr>
<td>Myringodectomy</td>
<td>20.59</td>
</tr>
<tr>
<td>Myringomalleolabyrinthopexy</td>
<td>19.52</td>
</tr>
<tr>
<td>Myringoplasty (epitympanic, type I)</td>
<td></td>
</tr>
<tr>
<td>(by cauterization) (by graft)</td>
<td>19.4</td>
</tr>
<tr>
<td>revision</td>
<td>19.6</td>
</tr>
<tr>
<td>Myringostapediopexy</td>
<td>19.53</td>
</tr>
<tr>
<td>Myringostomy</td>
<td>20.01</td>
</tr>
<tr>
<td>Myringotomy (with aspiration)</td>
<td></td>
</tr>
<tr>
<td>(with drainage)</td>
<td>20.09</td>
</tr>
<tr>
<td>with insertion of tube or drainage device (button) (grommet)</td>
<td>20.01</td>
</tr>
</tbody>
</table>
Nailing, intramedullary
   with fracture reduction - see Reduction, fracture with internal fixation
   internal (without fracture reduction)
   78.50
Narcoanalysis 94.21
Narcosynthesis 94.21
Narrowing, palpebral fissure 08.51
Nasopharyngogram 87.09
   contrast 87.06
Necropsy 89.8
Needleoscopy (fetus) 75.31
Needling
   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
Nephrectomy (complete) (total) (unilateral)
   bilateral 55.51
   partial (wedge) 55.4
   remaining or solitary kidney 55.52
   removal transplanted kidney 55.53
Nephrocolopexy
Nephrocystanastomosis NEC 56.73
Nephrolithotomy 55.01
Nephrolysis 59.02
   laparoscopic 59.03
Nephropepsy 55.7
Nephroplasty 55.89
Nephropyleoplasty 55.87
Nephropyleoureterostomy 55.86
Nephrohraphy 55.81
Nephroscopy 55.21
Nephrostolithotomy, percutaneous 55.03
Nephrostomy (with drainage tube) 55.02
   closure 55.82
   percutaneous 55.03
   with fragmentation (ultrasound) 55.04
Nephrotomogram, nephrotomography NEC 87.72
Nephrotomy 55.01
Nephroureterectomy (with bladder cuff) 55.51
Nephroureterocystectomy 55.51 (57.79)
Nerve block (cranial) (peripheral) NEC
   -- see also Block, by site 04.81
Neurectasis (cranial) (peripheral) 04.91
Neurectomy (cranial) (infraorbital) (occipital)
   (peripheral) (spinal) NEC 04.07
   gastric (vagus)--see also Vagotomy 44.00
   opticociliary 12.79
   paracervical 05.22
   presacral 05.24
   retrogasserian 04.07
   sympathetic -- see Sympathectomy
   trigeminal 04.07
   tympanic 20.91
Neurexeresis NEC 04.07
Neuroablation
   radiofrequency 04.2
Neuroanastomosis (cranial) (peripheral) NEC 04.74
   accessory-facial 04.72
   accessory-hypoglossal 04.73
   hypoglossal-facial 04.71
Neurolysis (peripheral nerve) NEC 04.49
   carpal tunnel 04.43
   cranial nerve NEC 04.42
   spinal (cord) (nerve roots) 03.6
   tarsal tunnel 04.44
   trigeminal nerve 04.41
Neuroplasty (cranial) (peripheral) NEC 04.79
   of old injury (delayed repair) 04.76
   revision 04.75
Neurorrhaphy (cranial) (peripheral) 04.3
Neurotomy (cranial) (peripheral) (spinal) NEC 04.04
   acoustic 04.01
   glossopharyngeal 29.92
   lacrimal branch 05.0
   retrogasserian 04.02
   sympathetic 05.0
   vestibular 04.01
Neurotripsy (peripheral) NEC 04.03
   trigeminal 04.02
Nicola operation (tenodesis for recurrent dislocation of shoulder) 81.82
Nimodipine, infusion 99.75
NIPS (non-invasive programmed electrical stimulation) 37.20
Nissen operation (fundoplication of stomach) 44.66
   laparoscopic 44.67
Noble operation (plication of small intestine) 46.62
Norman Miller operation (vaginoplasty) 70.77
Norton operation (extraperitoneal cesarean section) 74.2
Nuclear magnetic resonance imaging
   -- see Imaging, magnetic resonance
Nutrition, concentrated substances
   enteral infusion (of) 96.6
   parenteral, (total) 99.15
   peripheral parenteral 99.15
<table>
<thead>
<tr>
<th>Procedure</th>
<th>Code(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ober (-Yount) operation</td>
<td>83.14</td>
</tr>
<tr>
<td>Obliteration</td>
<td>78.40</td>
</tr>
<tr>
<td>Bone cavity</td>
<td>83.14</td>
</tr>
<tr>
<td>Calyceal diverticulum</td>
<td>55.39</td>
</tr>
<tr>
<td>Canaliculi</td>
<td>09.6</td>
</tr>
<tr>
<td>Cerebrospinal fistula</td>
<td>02.12</td>
</tr>
<tr>
<td>Cul-de-sac</td>
<td>70.92</td>
</tr>
<tr>
<td>Frontal sinus (with fat)</td>
<td>22.42</td>
</tr>
<tr>
<td>Lacrimal punctum</td>
<td>09.91</td>
</tr>
<tr>
<td>Lumbar pseudomeningocele</td>
<td>03.51</td>
</tr>
<tr>
<td>Lymphatic structure(s) (peripheral)</td>
<td>40.9</td>
</tr>
<tr>
<td>Maxillary sinus</td>
<td>22.31</td>
</tr>
<tr>
<td>Meningocele (sacral)</td>
<td>03.51</td>
</tr>
<tr>
<td>Pelvic</td>
<td>68.8</td>
</tr>
<tr>
<td>Pleural cavity</td>
<td>34.6</td>
</tr>
<tr>
<td>Sacral meningocele</td>
<td>03.51</td>
</tr>
<tr>
<td>Skene's gland</td>
<td>71.3</td>
</tr>
<tr>
<td>Tympanomastoid cavity</td>
<td>19.9</td>
</tr>
<tr>
<td>Vagina, vaginal (partial) (total)</td>
<td>70.4</td>
</tr>
<tr>
<td>Vault</td>
<td>70.8</td>
</tr>
<tr>
<td>Occlusal molds</td>
<td>89.31</td>
</tr>
<tr>
<td>Occlusion</td>
<td>79.83</td>
</tr>
<tr>
<td>Artery</td>
<td>81.43</td>
</tr>
<tr>
<td>by embolization</td>
<td>83.14</td>
</tr>
<tr>
<td>by endovascular approach</td>
<td>83.14</td>
</tr>
<tr>
<td>--see Embolization, artery</td>
<td>83.14</td>
</tr>
<tr>
<td>by ligation</td>
<td>83.14</td>
</tr>
<tr>
<td>--see Ligation, artery</td>
<td>83.14</td>
</tr>
<tr>
<td>Fallopian tube</td>
<td>83.14</td>
</tr>
<tr>
<td>Patent ductus arteriosus (PDA)</td>
<td>38.85</td>
</tr>
<tr>
<td>Vein</td>
<td>83.14</td>
</tr>
<tr>
<td>by embolization</td>
<td>83.14</td>
</tr>
<tr>
<td>by endovascular approach</td>
<td>83.14</td>
</tr>
<tr>
<td>--see Embolization, vein</td>
<td>83.14</td>
</tr>
<tr>
<td>by ligation</td>
<td>83.14</td>
</tr>
<tr>
<td>--see Ligation, vein</td>
<td>83.14</td>
</tr>
<tr>
<td>Vena cava (surgical)</td>
<td>38.7</td>
</tr>
<tr>
<td>Occupational therapy</td>
<td>93.83</td>
</tr>
<tr>
<td>O'Donoghue operation</td>
<td>81.43</td>
</tr>
<tr>
<td>Odontectomy NEC</td>
<td>23.19</td>
</tr>
<tr>
<td>Omentectomy NEC</td>
<td>54.4</td>
</tr>
<tr>
<td>Omentofixation NEC</td>
<td>54.74</td>
</tr>
<tr>
<td>Omentopexy NEC</td>
<td>54.74</td>
</tr>
<tr>
<td>Omentoplasty NEC</td>
<td>54.74</td>
</tr>
<tr>
<td>Omentorrhaphy NEC</td>
<td>54.74</td>
</tr>
<tr>
<td>Omentotomy NEC</td>
<td>54.19</td>
</tr>
<tr>
<td>Omphalectomy NEC</td>
<td>54.3</td>
</tr>
<tr>
<td>Onychectomy NEC</td>
<td>86.23</td>
</tr>
<tr>
<td>Onychoplasty NEC</td>
<td>86.86</td>
</tr>
<tr>
<td>Onychotomy NEC</td>
<td>86.09</td>
</tr>
<tr>
<td>with drainage</td>
<td>86.04</td>
</tr>
<tr>
<td>Oophorectomy</td>
<td>65.39</td>
</tr>
<tr>
<td>Unilateral</td>
<td>65.39</td>
</tr>
<tr>
<td>with salpingectomy</td>
<td>65.49</td>
</tr>
<tr>
<td>Laparoscopic</td>
<td>65.41</td>
</tr>
<tr>
<td>Bilateral</td>
<td>65.53</td>
</tr>
<tr>
<td>Same operative episode</td>
<td>65.53</td>
</tr>
<tr>
<td>Laparoscopic</td>
<td>65.61</td>
</tr>
<tr>
<td>Laparoscopic</td>
<td>65.63</td>
</tr>
<tr>
<td>Partial</td>
<td>65.29</td>
</tr>
<tr>
<td>Laparoscopic</td>
<td>65.25</td>
</tr>
<tr>
<td>Wedge</td>
<td>65.22</td>
</tr>
<tr>
<td>Remaining ovary</td>
<td>65.52</td>
</tr>
<tr>
<td>Laparoscopic</td>
<td>65.54</td>
</tr>
<tr>
<td>With tube</td>
<td>65.62</td>
</tr>
<tr>
<td>Laparoscopic</td>
<td>65.64</td>
</tr>
<tr>
<td>Oophorocystectomy</td>
<td>65.29</td>
</tr>
<tr>
<td>Laparoscopic</td>
<td>65.25</td>
</tr>
<tr>
<td>Oophoropexy</td>
<td>65.79</td>
</tr>
<tr>
<td>Oophoroplasty</td>
<td>65.79</td>
</tr>
<tr>
<td>Oophororrhaphy</td>
<td>65.71</td>
</tr>
<tr>
<td>Laparoscopic</td>
<td>65.74</td>
</tr>
<tr>
<td>Oophorostomy</td>
<td>65.09</td>
</tr>
<tr>
<td>Laparoscopic</td>
<td>65.01</td>
</tr>
<tr>
<td>Oophorotomy</td>
<td>65.09</td>
</tr>
<tr>
<td>Laparoscopic</td>
<td>65.01</td>
</tr>
<tr>
<td>Opening</td>
<td>82.19</td>
</tr>
<tr>
<td>Bony labyrinth (ear)</td>
<td>20.79</td>
</tr>
<tr>
<td>Cranial suture</td>
<td>02.01</td>
</tr>
<tr>
<td>Heart valve</td>
<td>02.01</td>
</tr>
<tr>
<td>Closed heart technique</td>
<td>02.01</td>
</tr>
<tr>
<td>--see Valvulotomy, by site</td>
<td>02.01</td>
</tr>
<tr>
<td>Open heart technique</td>
<td>02.01</td>
</tr>
<tr>
<td>--see Valvuloplasty, by site</td>
<td>02.01</td>
</tr>
<tr>
<td>Spinal dura</td>
<td>03.09</td>
</tr>
<tr>
<td>Operation</td>
<td>82.19</td>
</tr>
<tr>
<td>Abbe</td>
<td>70.61</td>
</tr>
<tr>
<td>Construction of vagina</td>
<td>70.61</td>
</tr>
<tr>
<td>Intestinal anastomosis</td>
<td>70.61</td>
</tr>
<tr>
<td>--see Anastomosis, intestine</td>
<td>70.61</td>
</tr>
<tr>
<td>Aburel (intra-amniotic injection for abortion)</td>
<td>54.99</td>
</tr>
<tr>
<td>Abdomen (region)</td>
<td>48.5</td>
</tr>
<tr>
<td>Abdominoperineal</td>
<td>48.5</td>
</tr>
<tr>
<td>Aburel (intra-amniotic injection for abortion)</td>
<td>75.0</td>
</tr>
<tr>
<td>Adams</td>
<td>21.88</td>
</tr>
<tr>
<td>Advancement of round ligament</td>
<td>69.22</td>
</tr>
<tr>
<td>Crushing of nasal septum</td>
<td>21.88</td>
</tr>
<tr>
<td>Excision of palmar fascia</td>
<td>82.35</td>
</tr>
<tr>
<td>Adenoids</td>
<td>28.99</td>
</tr>
<tr>
<td>Adrenal (gland) (nerve) (vessel) NEC</td>
<td>07.49</td>
</tr>
</tbody>
</table>
Operation —— Cont.

Albee
bone peg, femoral neck 78.05
graft for slipping patella 78.06
sliding inlay graft, tibia 78.07

Albert (arthrodesis, knee) 81.22

Aldridge (-Studdiford) (urethral sling) 59.5

Alexander
prostatectomy
perineal 60.62
suprapubic 60.3
shortening of round ligaments of uterus 69.22

Alexander-Adams (shortening of round ligaments of uterus) 69.22

Almoor (extrapetrosal drainage) 20.22

Altemeier (perineal rectal pull-through) 48.49

Ammon (dacryocystotomy) 09.53

Anderson (tibial lengthening) 78.37

Anel (dilation of lacrimal duct) 09.42
anterior chamber (eye) NEC 12.99
anti-incontinence NEC 59.79
antrum window (nasal sinus) 22.2
  with Caldwell-Luc approach 22.39
anus NEC 49.99
aortic body NEC 39.8
aortocaval window 39.59
appendix NEC 47.99

Arslan (fenestration of inner ear) 20.61
artery NEC 39.99

Asai (larynx) 31.75

Baffes (interatrial transposition of venous return) 35.91

Baldy-Webster (uterine suspension) 69.22

Ball
herniorrhaphy --see Repair, hernia, inguinal
undercutting 49.02

Bankhart (capsular repair into glenoid, for shoulder dislocation) 81.82

Bardenheuerer (ligation of innominate artery) 38.85

Barkan (goniotomy) 12.52
  with gonipuncture 12.53

Barr (transfer of tibialis posterior tendon) 83.75

Barsky (closure of cleft hand) 82.82

Bassett (vulvectomy with inguinal lymph node dissection) 71.5 [40.3]

Bassini (herniorrhaphy) --see Repair, hernia, inguinal

Batch-Spittler-McFaddin (knee disarticulation) 84.16

Batista (partial ventriculectomy)(ventricular reduction)(ventricular remodeling) 37.35

Operation —— Cont.

Beck I (epicardial poudrage) 36.39
Beck II (aorta-coronary sinus shunt) 36.39
Beck-Jianu (permanent gastrostomy) 43.19
Bell-Beuttner (subtotal abdominal hysterectomy) 68.39
Belsey (esophagogastric sphincter) 44.65

Benenenti (rotation of bulbous urethra) 58.49

Berke (levator resection eyelid) 08.33

Biesenberger (size reduction of breast, bilateral) 85.32
  unilateral 85.31

Bigelow (litholapaxy) 57.0

biliary (duct) (tract) NEC 51.99

Billroth I (partial gastrectomy with gastroduodenostomy) 43.6

Billroth II (partial gastrectomy with gastrojejunostomy) 43.7

Binnie (hepatopexy) 50.69

Bischoff (ureteroneocystostomy) 56.74

bisection hysterectomy 68.39
  laparoscopic 68.31

Blak (spinal myelotomy) 03.29

Blalock (systemic-pulmonary anastomosis) 39.0

Blalock-Hanlon (creation of atrial septal defect) 35.42

Blalock-Taussig (subclavian-pulmonary anastomosis) 39.0

Blascovic (resection and advancement of levator palpebrae superioris) 08.33

blood vessel NEC 39.99

Blount
femoral shortening(with blade plate) 78.25
  by epiphyseal stapling 78.25

Boari (bladder flap) 56.74

Bobb (cholelithotomy) 51.04
bone NEC -- see category 78.4
  facial 76.99
  injury NEC -- see category 79.9
  marrow NEC 41.98
  skull NEC 02.99

Bonney (abdominal hysterectomy) 68.49
  laparoscopic 68.41

Borthen (iritidosis) 12.63

Bost
  plantar dissection 80.48
  radiocarpal fusion 81.26

Bosworth
arthroplasty for acromioclavicular separation 81.83
<table>
<thead>
<tr>
<th>Operation - Bosworth --- Cont.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>fusion of posterior lumbar spine 81.08</td>
<td></td>
</tr>
<tr>
<td>for pseudarthrosis 81.38</td>
<td></td>
</tr>
<tr>
<td>resection of radial head ligaments (for tennis elbow) 30.92</td>
<td></td>
</tr>
<tr>
<td>shelf procedure, hip 81.40</td>
<td></td>
</tr>
<tr>
<td>Bottle (repair of hydrocele of tunica vaginalis) 61.2</td>
<td></td>
</tr>
<tr>
<td>Boyd (hip disarticulation) 84.18</td>
<td></td>
</tr>
<tr>
<td>brain NEC 02.99</td>
<td></td>
</tr>
<tr>
<td>Brauer (cardiolysis) 37.10</td>
<td></td>
</tr>
<tr>
<td>breast NEC 85.99</td>
<td></td>
</tr>
<tr>
<td>Bricker (ileoureterostomy) 56.51</td>
<td></td>
</tr>
<tr>
<td>Bristow (repair of shoulder dislocation) 81.82</td>
<td></td>
</tr>
<tr>
<td>Brock (pulmonary valvulotomy) 35.03</td>
<td></td>
</tr>
<tr>
<td>Brockman (soft tissue release for clubfoot) 83.84</td>
<td></td>
</tr>
<tr>
<td>bronchus NEC 33.98</td>
<td></td>
</tr>
<tr>
<td>Browne (-Denis)(hypoplasias repair) 58.45</td>
<td></td>
</tr>
<tr>
<td>Brunschwig (temporary gastrostomy) 43.19</td>
<td></td>
</tr>
<tr>
<td>buccal cavity NEC 27.99</td>
<td></td>
</tr>
<tr>
<td>Bunnell (tendon transfer) 82.56</td>
<td></td>
</tr>
<tr>
<td>Burch procedure (retropubic urethral suspension for urinary stress incontinence) 59.5</td>
<td></td>
</tr>
<tr>
<td>Burgess (amputation of ankle) 84.14</td>
<td></td>
</tr>
<tr>
<td>bursa NEC 83.99</td>
<td></td>
</tr>
<tr>
<td>hand 82.99</td>
<td></td>
</tr>
<tr>
<td>bypass -- see Bypass</td>
<td></td>
</tr>
<tr>
<td>Caldwell (sulcus extension) 24.91</td>
<td></td>
</tr>
<tr>
<td>Caldwell-Luc (maxillary sinusotomy) 22.39</td>
<td></td>
</tr>
<tr>
<td>with removal of membrane lining 22.31</td>
<td></td>
</tr>
<tr>
<td>Callander (knee disarticulation) 84.16</td>
<td></td>
</tr>
<tr>
<td>Campbell</td>
<td></td>
</tr>
<tr>
<td>bone block, ankle 81.11</td>
<td></td>
</tr>
<tr>
<td>fasciotomy (iliac crest) 83.14</td>
<td></td>
</tr>
<tr>
<td>reconstruction of anterior cruciate ligaments 81.45</td>
<td></td>
</tr>
<tr>
<td>canthus NEC 08.99</td>
<td></td>
</tr>
<tr>
<td>cardiac NEC 37.99</td>
<td></td>
</tr>
<tr>
<td>septum NEC 35.98</td>
<td></td>
</tr>
<tr>
<td>valve NEC 35.99</td>
<td></td>
</tr>
<tr>
<td>carotid body or gland NEC 39.8</td>
<td></td>
</tr>
<tr>
<td>Carroll and Taber (arthroplasty proximal interphalangeal joint) 81.72</td>
<td></td>
</tr>
<tr>
<td>Cattell (herniorrhaphy) 53.51</td>
<td></td>
</tr>
<tr>
<td>Cecil (urethral reconstruction) 58.46</td>
<td></td>
</tr>
<tr>
<td>cecum NEC 46.99</td>
<td></td>
</tr>
<tr>
<td>cerebral (meninges) NEC 02.99</td>
<td></td>
</tr>
<tr>
<td>cervix NEC 69.99</td>
<td></td>
</tr>
<tr>
<td>Chandler (hip fusion) 81.21</td>
<td></td>
</tr>
<tr>
<td>Charles (correction of lymphedema) 40.9</td>
<td></td>
</tr>
<tr>
<td>Charnley (compression arthrodeseis)</td>
<td></td>
</tr>
<tr>
<td>ankle 81.11</td>
<td></td>
</tr>
<tr>
<td>hip 81.21</td>
<td></td>
</tr>
<tr>
<td>knee 81.22</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operation --- Cont.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cheatle-Henry -- see Repair, hernia, femoral chest cavity NEC 34.99</td>
<td></td>
</tr>
<tr>
<td>Chevalier-Jackson (partial laryngectomy) 30.29</td>
<td></td>
</tr>
<tr>
<td>Child (radical subtotal pancreatectomy) 52.53</td>
<td></td>
</tr>
<tr>
<td>Chopart (midtarsal amputation) 84.12</td>
<td></td>
</tr>
<tr>
<td>chordae tendineae NEC 35.32</td>
<td></td>
</tr>
<tr>
<td>chordoid NEC 14.9</td>
<td></td>
</tr>
<tr>
<td>ciliary body NEC 12.98</td>
<td></td>
</tr>
<tr>
<td>cisterna chyli NEC 40.69</td>
<td></td>
</tr>
<tr>
<td>Clagett (closure of chest wall following open flap drainage) 34.72</td>
<td></td>
</tr>
<tr>
<td>Clayton (resection of metatarsal heads and bases of phalanges) 77.88</td>
<td></td>
</tr>
<tr>
<td>clitoris NEC 71.4</td>
<td></td>
</tr>
<tr>
<td>cocked hat (metacarpal lengthening and transfer of local flap) 82.69</td>
<td></td>
</tr>
<tr>
<td>Cockett (varicose vein)</td>
<td></td>
</tr>
<tr>
<td>lower limb 38.59</td>
<td></td>
</tr>
<tr>
<td>upper limb 38.53</td>
<td></td>
</tr>
<tr>
<td>Cody tack (perforation of footplate) 19.0</td>
<td></td>
</tr>
<tr>
<td>Coffey (uterine suspension) (Meigs' modification) 69.22</td>
<td></td>
</tr>
<tr>
<td>Cole (anterior tarsal wedge osteotomy) 77.28</td>
<td></td>
</tr>
<tr>
<td>Collis-Nissen (hiatal hernia repair) 53.80</td>
<td></td>
</tr>
<tr>
<td>colon NEC 46.99</td>
<td></td>
</tr>
<tr>
<td>Colonna</td>
<td></td>
</tr>
<tr>
<td>adductor tenotomy (first stage) 83.12</td>
<td></td>
</tr>
<tr>
<td>hip arthroplasty (second stage) 81.40</td>
<td></td>
</tr>
<tr>
<td>reconstruction of hip (second stage) 81.40</td>
<td></td>
</tr>
<tr>
<td>commando (radical glossectomy) 25.4</td>
<td></td>
</tr>
<tr>
<td>conjunctiva NEC 83.12</td>
<td></td>
</tr>
<tr>
<td>destructive NEC 10.33</td>
<td></td>
</tr>
<tr>
<td>cornea NEC 11.99</td>
<td></td>
</tr>
<tr>
<td>Coventry (tibial wedge osteotomy) 77.27</td>
<td></td>
</tr>
<tr>
<td>Cox-maze procedure (ablation or destruction of heart tissue) -- see maze procedure</td>
<td></td>
</tr>
<tr>
<td>Crawford (tarso-frontalis sling of eyelid) 08.32</td>
<td></td>
</tr>
<tr>
<td>cul-de-sac NEC 70.92</td>
<td></td>
</tr>
<tr>
<td>Culp-Deweerd (spiral flap pyeloplasty) 55.87</td>
<td></td>
</tr>
<tr>
<td>Culp-Scardino (ureteral flap pyeloplasty) 55.87</td>
<td></td>
</tr>
<tr>
<td>Curtis (interphalangeal joint arthroplasty) 81.72</td>
<td></td>
</tr>
<tr>
<td>cystocele NEC 70.51</td>
<td></td>
</tr>
<tr>
<td>Dahlman (excision of esophageal diverticulum) 42.31</td>
<td></td>
</tr>
<tr>
<td>Dana (posterior rhizotomy) 03.1</td>
<td></td>
</tr>
<tr>
<td>Danforth (fetal) 73.8</td>
<td></td>
</tr>
<tr>
<td>Darrach (ulnar resection) 77.83</td>
<td></td>
</tr>
<tr>
<td>Davis (intubated ureterotomy) 56.2</td>
<td></td>
</tr>
<tr>
<td>de Grandmont (tarsectomy) 08.35</td>
<td></td>
</tr>
</tbody>
</table>
Operation ---Cont.

Delorme
  pericardiectomy 37.31
  proctopexy 48.76
  repair of prolapsed rectum 48.76
  thoracoplasty 33.34
Denker (radical maxillary antrotomy) 22.31
Dennis-Varco (herniorrhaphy)
  -- see Repair, hernia, femoral
Denonvillier (limited rhinoplasty) 21.86
dental NEC 24.99
  orthodontic NEC 24.8
Derlacki (tympanoplasty) 19.4
  diaphragm NEC 34.89
Dickson (fascial transplant) 83.82
Dickson-Diveley (tendon transfer and
arthrodesis to correct
claw toe) 77.57
Dieffenbach (hip disarticulation) 84.18
digestive tract NEC 46.99
Doleris (shortening of round ligaments)
  69.22
D'Ombraing (excision of pterygium with
corneal graft) 11.32
Dorrance (push-back operation for cleft
palate) 27.62
Dotter (transluminal angioplasty) 39.59
educt of tongue to lip for
micrognathia 25.59
Doyle (paracervical uterine derenervation)
  69.3
Dührssen (vaginofixation of uterus) 69.22
Dunn (triple arthrodesis) 81.12
duodenum NEC 46.99
Dupuytren
  fasciectomy 82.35
  fasciomy with excision 82.35
  shoulder disarticulation 84.08
Durham (Caldwell) (transfer of biceps
femoris tendon) 83.75
DuToit and Roux (staple capsulorrhapsy
of shoulder) 81.82
DuVries (tenoplasty) 83.88
Dwyer
  fasciectomy 83.14
  soft tissue release NEC 83.84
  wedge osteotomy, calcaneus 77.28
Eagleton (extrapetrosal drainage) 20.22
ear (external) NEC 18.9
  middle or inner NEC 20.99
Eden-Hybinette (glenoid bone block) 78.01
Effler (heart) 36.2
Operation ---Cont.

Eggers
  tendon release(patellar retinacula) 83.13
  tendon transfer (biceps femoris tendon)
  (hamstring tendon) 83.75
Elliot(scleral trephination with iridectomy)
  12.61
Ellis Jones (repair of peroneal tendon) 83.88
Ellison (reinforcement of collateral
ligament) 81.44
Elmslie-Cholmeley(tarsal wedge
osteotomy) 77.28
 Eloesser
  thoracoplasty 33.34
  thoracostomy 34.09
Emmet (cervix) 67.61
endorectal pull-through 48.41
epididymis NEC 63.99
esophagus NEC 42.99
Estes (ovary) 65.72
  laparoscopic 65.75
Estlander (thoracoplasty) 33.34
Evans (release of clubfoot) 83.84
extraocular muscle NEC 15.9
  multiple (two or more muscles) 15.4
  with temporary detachment from
globe 15.3
  revision 15.6
  single 15.29
  with temporary detachment from
globe 15.19
eyeball NEC 16.99
eyelid(s) NEC 08.99
face NEC 27.99
facial bone or joint NEC 76.99
fallopian tube NEC 66.99
Farabeuf (ischiopectomy) 77.39
Fasanella-Servatt(blepharoptosis repair)
  08.35
fascia NEC 83.99
  hand 82.99
female (genital organs) NEC 71.9
hysterectomy NEC 68.9
fenestration (aorta) 39.54
Ferguson (hernia repair) 53.00
Fick (perforation of footplate) 19.0
filtering (for glaucoma) 12.79
  with iridectomy 12.65
Finney (pyloplasty) 44.29
fistulizing, sclera NEC 12.69
Foley (pyelo-planty) 55.87
Fontan (creation of conduit between right
atrium and pulmonary artery) 35.94
Fothergill-Donald(uterine suspension)
  69.22
Fowler
  arthroplasty of metacarpophalangeal
  joint 81.72
Operation --Fowler ---Cont.
  release (mallet finger repair) 82.84
  tenodesis (hand) 82.85
  thoracoplasty 33.34
Fox (entropion repair with wedge resection) 08.43
Franco (suprapubic cystotomy) 57.19
Frank (permanent gastrostomy) 43.19
Frazier (-Spiller) (subtemporal trigeminal rhizotomy) 04.02
Fredet-Ramstedt (pyloromyotomy) (with wedge resection) 43.3
Frenckner (intrapetrosal drainage) 20.22
Frickman (abdominal proctopexy) 48.75
Frommel (shortening of uterosacral ligaments) 69.22
Gabriel (abdominoperineal resection of rectum) 48.5
gallbladder NEC 51.99
  ganglia NEC 04.99
    sympathetic 05.89
Gant (wedge osteotomy of trochanter) 77.25
Garceau (tibial tendon transfer) 83.75
Gardner (spinal meningocele repair) 03.51
gastric NEC 44.99
Gelman (release of clubfoot) 83.84
  genital organ NEC
    female 71.9
    male 64.99
Ghormley (hip fusion) 81.21
Giffod
  destruction of lacrimal sac 09.6
  keratotomy (delimiting) 11.1
Gill
  arthrodesis of shoulder 81.23
  laminectomy 03.09
Gill-Stein (carporadial arthrodesis) 81.25
Gilliam (uterine suspension) 69.22
Girdlestone
  laminectomy with spinal fusion 81.00
  muscle transfer for claw toe 77.57
  resection of femoral head and neck
    (without insertion of joint prosthesis) 77.85
    with replacement prosthesis
      --see Implant, joint, hip
    resection of hip prosthesis 80.05
    with replacement prosthesis
      --see Implant, joint, hip
Girdlestone-Taylor (muscle transfer for claw toe repair) 77.57
Glaucoma NEC 12.79
Glenn (anastomosis of superior vena cava to right pulmonary artery) 39.21
globus pallidus NEC 01.42
Goebel-Frangenheim-Stoeckel
  (urethrovesical suspension) 59.4

Operation ---Cont.
Goldner (clubfoot release) 80.48
Goldthaute
  ankle stabilization 81.11
  patella stabilization 81.44
  tendon transfer for patella dislocation 81.44
Goodall-Power (vagina) 70.4
Gordon-Taylor (hindquarter amputation) 84.19
Graber-Duvernay (drilling femoral head) 77.15
Green (scapuropexy) 78.41
Grice (subtalar arthrodesis) 81.13
Gritt-Stokes (knee disarticulation) 84.16
Gross (herniorrhaphy) 53.49
  gum NEC 24.39
Guyon (amputation of ankle) 84.13
Hagner (epididymotomy) 63.92
Halsted --see Repair, hernia, inguinal
Hampton (anastomosis small intestine to rectal stump) 45.92
  hanging hip (muscle release) 83.19
  harelip 27.54
Harrison-Richardson (vaginal suspension) 70.77
Hartmann --see Colectomy, by site
Hauser
  achiillotenotomy 83.11
  bunionectiony with adductor tendon transfer 77.53
  stabilization of patella 81.44
Heaney (vaginal hysterectomy) 68.59
  laparoscopically assisted (LAVH) 68.51
  heart NEC 37.99
  valve NEC 35.99
    adjacent structure NEC 35.39
Heag (perineorrhaphy) 71.79
Heine (cyclodialysis) 12.55
Heineke-Mikulicz (pyloroplasty) -- see category 44.2
Heller (esophagomyotomy) 42.7
Hellström (transplantation of aberrant renal vessel) 39.55
Hemorrhoids NEC 49.49
Hendley (jejunal transposition) 43.81
Hepatic NEC 50.99
Hernia --see Repair, hernia
Hey (amputation of foot) 84.12
Hey-Groves (reconstruction of anterior cruciate ligament) 81.45
Heyman (soft tissue release for clubfoot) 83.84
Heyman-Herrdon (-Strong) (correction of metatarsus varus) 80.48
Hibbs (lumbar spinal fusion) --see Fusion, lumbar
Higgins --see Repair, hernia, femoral
### ICD-9-CM INDEX TO PROCEDURES (FY07)

#### Operation (Cont.)

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hill-Allison (hiatal hernia repair, transpleural approach)</td>
<td>53.80</td>
</tr>
<tr>
<td>Hitchcock (anchoring tendon of biceps)</td>
<td>83.88</td>
</tr>
<tr>
<td>Hofmeister (gastrectomy)</td>
<td>43.7</td>
</tr>
<tr>
<td>Hoke midtarsal fusion</td>
<td>81.14</td>
</tr>
<tr>
<td>triple arthrodesis</td>
<td>81.12</td>
</tr>
<tr>
<td>Holth iridencleisis</td>
<td>12.63</td>
</tr>
<tr>
<td>sclerectomy</td>
<td>12.65</td>
</tr>
<tr>
<td>Homan (correction of lymphedema)</td>
<td>40.9</td>
</tr>
<tr>
<td>Hutch (ureteroneocystostomy)</td>
<td>56.74</td>
</tr>
<tr>
<td>Hybinette-eden (glenoid bone block)</td>
<td>78.01</td>
</tr>
<tr>
<td>hymen NEC</td>
<td>70.91</td>
</tr>
<tr>
<td>hypopharynx NEC</td>
<td>29.99</td>
</tr>
<tr>
<td>hypophysis NEC</td>
<td>07.79</td>
</tr>
<tr>
<td>ileal loop</td>
<td>56.51</td>
</tr>
<tr>
<td>ileum NEC</td>
<td>46.99</td>
</tr>
<tr>
<td>intestine NEC</td>
<td>46.99</td>
</tr>
<tr>
<td>iris NEC</td>
<td>12.97</td>
</tr>
<tr>
<td>inclusion</td>
<td>12.63</td>
</tr>
<tr>
<td>Irving (tubal ligation)</td>
<td>66.32</td>
</tr>
<tr>
<td>Irwin</td>
<td>77.30</td>
</tr>
<tr>
<td>Jaboulay (gastroduodenostomy)</td>
<td>44.39</td>
</tr>
<tr>
<td>laparoscopic</td>
<td>44.38</td>
</tr>
<tr>
<td>Janeway (permanent gastrostomy)</td>
<td>43.19</td>
</tr>
<tr>
<td>Jatene (arterial switch)</td>
<td>35.84</td>
</tr>
<tr>
<td>jejunum NEC</td>
<td>46.99</td>
</tr>
<tr>
<td>Johanson (urethral reconstruction)</td>
<td>58.46</td>
</tr>
<tr>
<td>joint (capsule) (ligament) (structure) NEC</td>
<td>81.99</td>
</tr>
<tr>
<td>facial NEC</td>
<td>76.99</td>
</tr>
<tr>
<td>Jones claw toe (transfer of extensor hallucis longus tendon)</td>
<td>77.57</td>
</tr>
<tr>
<td>modified (with arthrodesis)</td>
<td>77.57</td>
</tr>
<tr>
<td>dacryocystorhinostomy</td>
<td>09.81</td>
</tr>
<tr>
<td>hammer toe (interphalangeal fusion)</td>
<td>77.56</td>
</tr>
<tr>
<td>modified (tendon transfer with arthrodesis)</td>
<td>77.57</td>
</tr>
<tr>
<td>repair of peroneal tendon</td>
<td>83.88</td>
</tr>
<tr>
<td>Joplin (exostectomy with tendon transfer)</td>
<td>77.53</td>
</tr>
<tr>
<td>Kader (temporary gastrostomy)</td>
<td>43.19</td>
</tr>
<tr>
<td>Kaufman (for urinary stress incontinence)</td>
<td>59.79</td>
</tr>
<tr>
<td>Kazanjian (buccal vestibular sulcus extension)</td>
<td>24.91</td>
</tr>
<tr>
<td>Kehr (hepatopexy)</td>
<td>50.69</td>
</tr>
<tr>
<td>Keller (bunionectomy)</td>
<td>77.59</td>
</tr>
<tr>
<td>Kelly (Kennedy) (urethrovesical plication)</td>
<td>59.3</td>
</tr>
<tr>
<td>Kelly-Stoeckel (urethrovesical plication)</td>
<td>59.3</td>
</tr>
</tbody>
</table>

#### Operation (Cont.)

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerr (cesarean section)</td>
<td>74.1</td>
</tr>
<tr>
<td>Kessler (arthroplasty, carpometacarpal joint)</td>
<td>81.74</td>
</tr>
<tr>
<td>Kidner (excision of accessory navicular bone) (with tendon transfer)</td>
<td>77.98</td>
</tr>
<tr>
<td>kidney NEC</td>
<td>55.99</td>
</tr>
<tr>
<td>Killian (frontal sinusotomy)</td>
<td>22.41</td>
</tr>
<tr>
<td>King-Steelquist (hindquarter amputation)</td>
<td>84.19</td>
</tr>
<tr>
<td>Kirk (amputation through thigh)</td>
<td>84.17</td>
</tr>
<tr>
<td>Kock pouch bowel anastomosis -- omit code</td>
<td></td>
</tr>
<tr>
<td>continent ileostomy</td>
<td>46.22</td>
</tr>
<tr>
<td>cutaneous uretero-ileostomy</td>
<td>56.51</td>
</tr>
<tr>
<td>ESWL (electrocorporeal shockwave lithotripsy)</td>
<td>98.51</td>
</tr>
<tr>
<td>removal, calculus</td>
<td>57.19</td>
</tr>
<tr>
<td>revision, cutaneous uretero-ileostomy</td>
<td>56.52</td>
</tr>
<tr>
<td>urinary diversion procedure</td>
<td>56.51</td>
</tr>
<tr>
<td>Kondoleon (correction of lymphedema)</td>
<td>40.9</td>
</tr>
<tr>
<td>Krause (sympathetic denervation)</td>
<td>05.29</td>
</tr>
<tr>
<td>Kroener (partial salpingectomy)</td>
<td>66.69</td>
</tr>
<tr>
<td>Kroenlein (lateral orbitotomy)</td>
<td>16.01</td>
</tr>
<tr>
<td>Kronig (low cervical cesarean section)</td>
<td>74.1</td>
</tr>
<tr>
<td>Krukenberg (reconstruction of below-elbow amputation)</td>
<td>82.89</td>
</tr>
<tr>
<td>Kuhnt-Szymanowski (ectropion repair with lid reconstruction)</td>
<td>08.44</td>
</tr>
<tr>
<td>Labbe (gastrostomy)</td>
<td>43.0</td>
</tr>
<tr>
<td>labia NEC</td>
<td>71.8</td>
</tr>
<tr>
<td>lacrimal gland</td>
<td>09.3</td>
</tr>
<tr>
<td>system NEC</td>
<td>09.99</td>
</tr>
<tr>
<td>Ladd (mobilization of intestine)</td>
<td>54.95</td>
</tr>
<tr>
<td>Lagrange (iridosclerectomy)</td>
<td>12.65</td>
</tr>
<tr>
<td>Lambrinudi (triple arthrodesis)</td>
<td>81.12</td>
</tr>
<tr>
<td>Langenbeck (cleft palate repair)</td>
<td>27.62</td>
</tr>
<tr>
<td>Lapidus (bunionectomy with metatarsal osteotomy)</td>
<td>77.51</td>
</tr>
<tr>
<td>Larry (shoulder disarticulation)</td>
<td>84.08</td>
</tr>
<tr>
<td>larynx NEC</td>
<td>31.98</td>
</tr>
<tr>
<td>Lash internal cervical os repair</td>
<td>67.59</td>
</tr>
<tr>
<td>laparoscopic supraccervical hysterectomy</td>
<td>68.31</td>
</tr>
<tr>
<td>Latzko cesarean section, extraperitoneal</td>
<td>74.2</td>
</tr>
<tr>
<td>colpocleisis</td>
<td>70.8</td>
</tr>
<tr>
<td>Leadbetter (urethral reconstruction)</td>
<td>58.46</td>
</tr>
<tr>
<td>Leadbetter-Politano (ureteroneocystostomy)</td>
<td>56.74</td>
</tr>
<tr>
<td>Le Fort (colpocleisis)</td>
<td>70.8</td>
</tr>
<tr>
<td>LeMesurier (cleft lip repair)</td>
<td>27.54</td>
</tr>
<tr>
<td>lens NEC</td>
<td>13.90</td>
</tr>
<tr>
<td>Leriche (periarterial sympathectomy)</td>
<td>05.25</td>
</tr>
</tbody>
</table>
Operation --- Cont.
levator muscle sling
  eyelid ptosis repair 08.33
  urethreovesical suspension 59.71
  urinary stress incontinence 59.71
lid suture (blepharoptosis) 08.31
ligament NEC 81.99
  broad NEC 69.98
  round NEC 69.98
uterine NEC 69.98
Lindholm (repair of ruptured tendon) 83.88
Linton (varicose vein) 38.59
lip NEC 27.99
Lisfranc
  foot amputation 84.12
  shoulder disarticulation 84.08
Littlewood (forequarter amputation) 84.09
liver NEC 50.99
Lloyd-Davies (abdominoperineal resection) 48.5
Longmire (bile duct anastomosis) 51.39
Lord
  dilation of anal canal for hemorrhoids 49.49
  hemorrhoidectomy 49.49
  orchidopexy 62.5
Lucas and Murray (knee arthrodesis with plate) 81.22
lung NEC 33.99
Lung volume reduction 32.22
  biologic lung volume reduction (BLVR) - see category 33.7
lymphatic structure(s) NEC 40.9
Madrone (tubal ligation) 66.31
Magnuson (-Stack) (arthroplasty for recurrent shoulder dislocation) 81.82
male genital organs NEC 64.99
Manchester (-Donald) (-Fothergill) (uterine suspension) 69.22
mandible NEC 76.99
  orthognathic 76.64
Marckwald (cervical os repair) 67.59
Marshall-Marchetti (-Krantz) (retropubic urethral suspension) 59.5
Matas (aneurysmorrhaphy) 39.52
Mayo
  bunionectomy 77.59
  herniorrhaphy 53.49
  vaginal hysterectomy 68.59
  laparoscopically assisted (LAVH) 68.51
maze procedure (ablation or destruction of heart tissue)
  by incision (open) 37.33
  by peripherally inserted catheter 37.34
  endovascular approach 37.34
  trans-thoracic approach 37.33
Operation --- Cont.
Mazet (knee disarticulation) 84.16
McBride (bunionectomy with soft tissue correction) 77.53
McBurney -- see Repair, hernia, inguinal
McCall (enterocele repair) 70.92
McCauley (release of clubfoot) 83.84
McDonald (encirclement suture, cervix) 67.59
McIndoe (vaginal construction) 70.61
McKeever (fusion of first metatarsophalangeal joint for hallux valgus repair) 77.52
McKissock (breast reduction) 85.33
McReynolds (transposition of ptergium) 11.31
McVay
  femoral hernia
    -- see Repair, hernia, femoral inguinal hernia
    -- see Repair, hernia, inguinal meninges (spinal) NEC 03.99
  cerebral NEC 02.99
  mesentery NEC 54.99
Mikulicz (exteriorization of intestine) (first stage) 46.03
  second stage 46.04
Miles (complete proctectomy) 48.5
Millard (cheiloplasty) 27.54
Miller
  midtarsal arthrodesis 81.14
  urethreovesical suspension 59.4
Millin-Read (urethreovesical suspension) 59.4
Mitchell (hallux valgus repair) 77.51
Mohs (chemosurgical excision of skin) 86.24
Moore (arthroplasty) 81.52
Moschowitz
  enterocoele repair 70.92
  herniorrhaphy -- see Repair, hernia, femoral
  sigmoidopexy 46.63
mouth NEC 27.99
Muller (banding of pulmonary artery) 38.85
Mumford (partial claviculectomy) 77.81
  muscle NEC 83.99
  extraocular -- see Operation, extraocular
  hand NEC 82.99
  papillary heart NEC 35.31
musculoskeletal system NEC 84.99
Mustard (interatrial transposition of venous return) 35.91
  nail (finger) (toe) NEC 86.99
nasal sinus NEC 22.9
nasopharynx NEC 29.99
nerve (cranial) (peripheral) NEC 04.99
  adrenal NEC 07.49
  sympathetic NEC 05.89
  nervous system NEC 05.9
<table>
<thead>
<tr>
<th>Operation ---Cont.</th>
<th>Operation ---Cont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nicola (tenodesis for recurrent dislocation of shoulder) 81.82</td>
<td>perineum (female) NEC 71.8</td>
</tr>
<tr>
<td>nipple NEC 85.99</td>
<td>male NEC 86.99</td>
</tr>
<tr>
<td>Nissen (fundoplication of stomach) 44.66</td>
<td>perirectal tissue NEC 48.99</td>
</tr>
<tr>
<td>laparoscopic 44.67</td>
<td>perirenal tissue NEC 59.92</td>
</tr>
<tr>
<td>Noble (plication of small intestine) 46.62</td>
<td>peritoneum NEC 54.99</td>
</tr>
<tr>
<td>node (lymph) NEC 40.9</td>
<td>periurethral tissue NEC 58.99</td>
</tr>
<tr>
<td>Norman Miller (vaginopexy) 70.77</td>
<td>perivesical tissue NEC 59.92</td>
</tr>
<tr>
<td>Norton(extraperitoneal cesarean operation) 74.2</td>
<td>pharyngeal flap (left palate repair) 27.62</td>
</tr>
<tr>
<td>nose, nasal NEC 21.99</td>
<td>secondary or subsequent 27.63</td>
</tr>
<tr>
<td>sinus NEC 22.9</td>
<td>pharynx, pharyngeal (pouch) NEC 29.99</td>
</tr>
<tr>
<td>Ober(-Yount)(gluteal-iliotibial fasciotomy) 83.14</td>
<td>pineal gland NEC 07.59</td>
</tr>
<tr>
<td>obstetric NEC 75.99</td>
<td>Pinsker (obliteration of nasoseptal telangiectasia) 21.07</td>
</tr>
<tr>
<td>ocular NEC 16.99</td>
<td>Piper (forceps) 72.6</td>
</tr>
<tr>
<td>muscle--see Operation, extraocular muscle</td>
<td>Pirogoff (ankle amputation through malleoli of tibia and fibula) 84.14</td>
</tr>
<tr>
<td>O'Donoghue (triad knee repair) 81.43</td>
<td>pituitary gland NEC 07.79</td>
</tr>
<tr>
<td>Olshausen (uterine suspension) 69.22</td>
<td>plastic -- see Repair, by site</td>
</tr>
<tr>
<td>omentum NEC 54.99</td>
<td>pleural cavity NEC 34.99</td>
</tr>
<tr>
<td>ophthalmologic NEC 16.99</td>
<td>Politano-Leadbetter (ureteroneocystostomy) 56.74</td>
</tr>
<tr>
<td>oral cavity NEC 27.99</td>
<td>pollicization (with nerves and blood supply) 82.61</td>
</tr>
<tr>
<td>orbicularis muscle sling 08.36</td>
<td>Polya (gastrectomy) 43.7</td>
</tr>
<tr>
<td>orbit NEC 16.98</td>
<td>Pomeroy (ligation and division of fallopian tubes) 66.32</td>
</tr>
<tr>
<td>oropharynx NEC 29.99</td>
<td>Poncet lengthening of Achilles tendon 83.85</td>
</tr>
<tr>
<td>orthodontic NEC 24.8</td>
<td>urethrostomy, perineal 58.0</td>
</tr>
<tr>
<td>orthognathic NEC 76.69</td>
<td>Porro (cesarean section) 74.99</td>
</tr>
<tr>
<td>Oscar Miller (midtarsal arthrodesis) 81.14</td>
<td>posterior chamber (eye) NEC 14.9</td>
</tr>
<tr>
<td>Osmond-Clark (soft tissue release with peroneus brevis tendon transfer) 83.75</td>
<td>Potts-Smith (descending aorta-left pulmonary artery anastomosis) 39.0</td>
</tr>
<tr>
<td>ovary NEC 65.99</td>
<td>Printen and Mason (high gastric bypass) 44.31</td>
</tr>
<tr>
<td>Oxford (for urinary incontinence) 59.4</td>
<td>prostate NEC --see also Prostatectomy 60.69</td>
</tr>
<tr>
<td>palate NEC 27.99</td>
<td>specified type 60.99</td>
</tr>
<tr>
<td>palpebral ligament sling 08.36</td>
<td>pterygium 11.39</td>
</tr>
<tr>
<td>Panas (linear proctotomy) 48.0</td>
<td>with corneal graft 11.32</td>
</tr>
<tr>
<td>Pancoast (division of trigeminal nerve at foramen ovale) 94.02</td>
<td>Puestow (pancreaticojejunostomy) 52.96</td>
</tr>
<tr>
<td>pancreas NEC 52.99</td>
<td>pull-through NEC 48.49</td>
</tr>
<tr>
<td>pantaloon(revision of gastric anastomosis)44.5</td>
<td>pulmonary NEC 33.99</td>
</tr>
<tr>
<td>papillary muscle (heart) NEC 35.31</td>
<td>push-back (cleft palate repair) 27.62</td>
</tr>
<tr>
<td>Paquin (ureteroneocystostomy) 56.74</td>
<td>Putti-Platt (capsulorrhaphy of shoulder for recurrent dislocation) 81.82</td>
</tr>
<tr>
<td>parathyroid gland(s) NEC 06.99</td>
<td>pyloric exclusion 44.39</td>
</tr>
<tr>
<td>parotid gland or duct NEC 26.99</td>
<td>laparoscopic 44.38</td>
</tr>
<tr>
<td>Parsch (marsupialization of dental cyst) 24.4</td>
<td>pyriform sinus NEC 29.99</td>
</tr>
<tr>
<td>Pattee (auditory canal) 18.6</td>
<td>&quot;rabbit ear&quot; (anterior urethropexy) (Tudor) 59.79</td>
</tr>
<tr>
<td>Peet (splancnic resection) 05.29</td>
<td>Ramadier (intrapetrosal drainage) 20.22</td>
</tr>
<tr>
<td>Pemberton osteotomy of ilium 77.39</td>
<td>Ramstedt (pyloromyotomy) (with wedge resection) 43.3</td>
</tr>
<tr>
<td>rectum (mobilization and fixation for prolapse repair) 48.76</td>
<td>Rankin exteriorization of intestine 46.03</td>
</tr>
<tr>
<td>penis NEC 64.98</td>
<td>proctectomy (complete) 48.5</td>
</tr>
<tr>
<td>Pereyra (paraurethral suspension) 59.6</td>
<td>Rashkind (balloon septostomy) 35.41</td>
</tr>
<tr>
<td>pericardium NEC 37.99</td>
<td></td>
</tr>
</tbody>
</table>
### Operation ---Cont.

- **Rastelli** (creation of conduit between right ventricle and pulmonary artery) 35.92
  - in repair of pulmonary artery atresia 35.92
  - transposition of great vessels 35.92
  - truncus arteriosus 35.83
- **Raz-Pereyra** procedure (bladder neck suspension) 59.79
- **rectal NEC** 48.99
- **rectocele NEC** 70.52
- **re-entry (aorta)** 39.54
- **renal NEC** 55.99
- **respiratory (tract) NEC** 33.99
- **retina NEC** 14.9
- **Ripstein** (repair of rectal prolapse) 48.75
- **Rodney Smith** (radical subtotal pancreatectomy) 52.53
- **Roux-en-Y**
  - bile duct 51.36
  - cholecystojejunostomy 51.32
  - esophagus (intrathoracic) 42.54
  - gastroenterostomy 44.39
  - laparoscopic 44.38
  - gastrojejunostomy 44.39
  - laparoscopic 44.38
  - pancreaticojejunostomy 52.96
- **Roux-Goldthwait** (repair of patellar dislocation) 81.44
- **Roux-Herzen-Judine** (jejunal loop interposition) 42.63
- **Ruiz-Mora** (proximal phalangectomy for hammer toe) 77.99
- **Russe** (bone graft of scaphoid) 78.04
- **Saemisch** (corneal section) 11.1
- **salivary gland or duct NEC** 26.99
- **Salter** (innominate osteotomy) 77.39
- **Sauer-Bacon** (abdominoperineal resection) 48.5
- **Schanz** (femoral osteotomy) 77.35
- **Schauta** (-Amreich) (radical vaginal hysterectomy) 68.79
- **Schede** (thoracoplasty) 53.34
- **Scheie**
  - cautery of sclera 12.62
  - sclerostomy 12.62
- **Schlatter** (total gastrectomy) 43.99
- **Schroeder** (endocervical excision) 67.39
- **Schuchardt** (nonobstetrical episiotomy) 71.09
- **Schwartz** (simple mastoidectomy) 20.41
- **sclera NEC** 12.89
- **Scott**
  - intestinal bypass for obesity 45.93
  - jejunocolostomy (bypass) 45.93
  - scrotum NEC 61.99
- **Seddon-Brooks** (transfer of pectoralis major tendon) 83.75

### Operation ---Cont.

- **Semb** (apicolyis of lung) 33.39
- **seminal vesicle NEC** 60.79
- **Senning** (correction of transposition of great vessels) 35.91
- **Sever** (division of soft tissue of arm) 83.19
- **Sewell** (heart) 36.2
- **sex transformation NEC** 64.5
- **Sharrard** (iliopsoas muscle transfer) 83.77
- **Shirodkar** (encirclement suture, cervix) 67.59
- **sigmoid NEC** 46.99
- **Silver** (bunionectomy) 77.59
- **Sistrunk** (excision of thyroglottal cyst) 06.7
- **Skene's gland NEC** 71.8
- **skin NEC** 86.99
- **skull NEC** 20.99
- **sling**
  - eyelid fascia lata, palpebral 08.36
  - frontalis fascia 08.32
  - levator muscle 08.33
  - orbicularis muscle 08.36
  - palpebral ligament, fascia lata 08.36
  - tarsus muscle 08.35
  - fascial (fascia lata)
    - eye 08.32
    - for facial weakness (trigeminal nerve paralysis) 86.81
  - palpebral ligament 08.36
  - tongue 25.59
  - tongue (fascial) 25.59
  - urethra (suprapubic) 59.4
  - retropubic 59.5
  - urethrovaginal 59.5
- **Slocum** (pes anserinus transfer) 81.47
- **Sluder** (tacco) 28.2
- **Smith** (open osteotomy of mandible) 76.62
- **Smith-Peterson** (radiocarpal arthrodesis) 81.25
- **Smithwick** (sympathectomy) 05.29
- **Soave** (endorectal pull-through) 48.41
- **soft tissue NEC** 83.99
  - hand 82.99
- **Sonneberg** (inferior maxillary neurectomy) 04.07
- **Spalding-Richardson** (uterine suspension) 69.22
- **spermatic cord NEC** 63.99
- **sphincter of Oddi NEC** 51.89
- **spinal (canal) (cord) (structures) NEC** 03.99
- **Spinelli** (correction of inverted uterus) 75.93
- **Spivack** (permanent gastrostomy) 43.19
- **spleen NEC** 41.99
- **S.P. Rogers** (knee disarticulation) 84.16
ICD-9-CM INDEX TO PROCEDURES (FY07)

Operation ---Cont.
Ssabanejew-Frank (permanent gastrostomy) 43.19
Stacke (simple mastoidectomy) 20.41
Stallard (conjunctivocystorhinostomy) 09.82
with insertion of tube or stent 09.83
Stamm (-Kader) (temporary gastrostomy) 43.19
Steinberg 44.5
Steindler
  fascia stripping(for cavus deformity) 83.14
  flexorplasty (elbow) 83.77
  muscle transfer 83.77
sterilization NEC
  female --see also specific operation 66.39
  male--see also Ligation, vas deferens 63.70
Stewart (renal plication with pyeloplasty) 55.87
stomach NEC 44.99
Stone (anoplasty) 49.79
Strassman (metroplasty) 69.49
metroplasty (Jones modification) 69.49
uterus 68.22
Strayer (gastrocnemius recession) 83.72
stress incontinence -- see Repair, stress incontinence
Stromeyer-Little (hepatotomy) 50.0
Strong (unbridling of celiac artery axis) 39.91
Sturmdorf (conization of cervix) 67.2
subcutaneous tissue NEC 86.99
sublingual gland or duct NEC 26.99
submaxillary gland or duct NEC 26.99
Summerskill (dacryocystorhinostomy by intubation) 09.81
Surmay (jejunostomy) 46.39
Swenson
  bladder reconstruction 57.87
  proctectomy 48.49
Swinney (urethral reconstruction) 58.46
Syme
  ankle amputation through malleoli of tibia and fibula 84.14
  urethrotomy, external 58.0
sympathetic nerve NEC 05.89
Taarnhoj (trigeminal nerve root decompression) 04.41
Tack (sacculotomy) 20.79
Talma-Morison (omentopexy) 54.74
Tanner (devascularization of stomach) 44.99
TAPVC NEC 35.82
tarsus NEC 08.99
  muscle sling 08.35

Operation ---Cont.
tendon NEC 83.99
  extraocular NEC 15.9
  hand NEC 82.99
testis NEC 62.99
tetralogy of Fallot
  partial repair -- see specific procedure total (one-stage) 35.81
Thal (repair of esophageal stricture) 42.85
thalamus 01.41
  by stereotactic radiosurgery 92.32
  cobalt 60 92.32
  linear accelerator (LINAC) 92.31
  multi-source 92.32
  particle beam 92.33
  particulate 92.33
  radiosurgery NEC 92.39
  single source photon 92.31
Thiersch
  anus 49.79
  skin graft 86.69
  hand 86.62
Thompson
  cleft lip repair 27.54
  correction of lymphedema 40.9
  quadricepsplasty 83.86
  thumb apposition with bone graft 82.69
thoracic duct NEC 40.69
thorax NEC 34.99
Thorek (partial cholecystectomy) 51.21
three-snip, punctum 09.51
thymus NEC 07.99
thyroid gland NEC 06.98
TKP (thermokeratoplasty) 11.74
Tomkins (metroplasty) 69.49
tongue NEC 25.99
  flap, palate 27.62
  tie 25.91
tonsil NEC 28.99
Torek (-Bevan) (orchidopexy) (first stage)
  (second stage) 62.5
Torkildsen (ventriculocisternal shunt) 02.2
Torpin (cul-de-sac resection) 70.92
Toti (dacryocystorhinostomy) 09.81
Touchas 86.83
Touroff (ligation of subclavian artery) 38.85
trabeculae corneae cordis (heart) NEC 35.35
trachea NEC 31.99
Trauner (lingual sulcus cordis (heart) NEC 35.35
trachea NEC 31.99
Trotter (lingual sulcus extension) 24.91
truncus arteriosus NEC 35.83
Tsuge (macroductyly repair) 82.83
Tudor "rabbit ear" (anterior urethropexy) 59.79
Tuffier
  apicolyisis of lung 33.39
  vaginal hysterectomy 68.59
  laparoscopically assisted(LAVH) 68.51
tunica vaginalis NEC 61.99
### ICD-9-CM INDEX TO PROCEDURES (FY07)

**Operation ---Cont.**

Turco (release of joint capsules in clubfoot) 80.48  
Uchida (tubal ligation with or without fimbriectomy) 66.32  
Umbrilicus NEC 54.99  
Urachus NEC 57.51  
Urban (mastectomy) (unilateral) 85.47  
Ureter NEC 56.99  
Urethra NEC 58.99  
Urinary system NEC 59.99  
Uterus NEC 69.99  
---supporting structures NEC 69.98  
uvula NEC 27.79  
vagina NEC 70.91  
vacuol NEC 39.99  
vas deferens NEC 63.99  
---ligation NEC 63.71  
vein NEC 39.99  
vena cava sieve 38.7  
vertebra NEC 78.49  
vesical (bladder) NEC 57.99  
vessel NEC 39.99  
---cardiac NEC 36.99  
Vicq d'Azyr (larynx) 31.1  
Vidal (varicocele ligation) 63.1  
Vineberg (implantation of mammary artery into ventricle) 36.2  
vitreous NEC 14.79  
vocal cord NEC 31.98  
von Kraske (proctectomy) 48.64  
Voss (hanging hip operation) 83.19  
Vulpian (-Compere) (lengthening of gastrocnemius muscle) 83.85  
vulva NEC 71.8  
Ward-Mayo (vaginal hysterectomy) 68.59  
---laparoscopically assisted (LAVH) 68.51  
Wardill (cleft palate) 27.62  
Waters (extraperitoneal cesarean section) 74.2  
Waterston (aorta-right pulmonary artery anastomosis) 39.0  
Watkins (-Wertheim) (uterus interposition) 69.21  
Watson-Jones  
---hip arthrodesis 81.21  
---reconstruction of lateral ligaments, ankle 81.49  
---shoulder arthrodesis (extra-articular) 81.23  
---tenoplasty 83.88  
Weir  
---appendicostomy 47.91  
---correction of nostrils 21.86  
Wertheim (radical hysterectomy) 68.69  
---laparoscopic 68.61  
West (dacryocystorhinostomy) 09.81  

**Operation ---Cont.**

Wheeler  
---entropion repair 08.44  
---halving procedure (eyelid) 08.24  
Whipple (radical pancreaticoduodenectomy) 52.7  
---Child modification (radical subtotal pancreatectomy) 52.53  
---Rodney Smith modification (radical subtotal pancreatectomy) 52.53  
White (lengthening of tendo calcaneus by incomplete tenotomy) 83.11  
Whitehead  
---glossectomy, radical 25.4  
---hemorrhoidectomy 49.46  
Whitman  
---foot stabilization (talectomy) 77.98  
---hip reconstruction 81.40  
---repair of serratus anterior muscle 83.87  
---taleectomy 77.98  
---trochanter wedge osteotomy 77.25  
Wier (entropion repair) 08.44  
Williams-Richardson (vaginal construction) 70.61  
Wilms (thoracoplasty) 33.34  
Wilson (angulation osteotomy for hallux valgus) 77.51  
---window  
---antrum (nasal sinus) -- see Antrotomy, maxillary  
---aorticopulmonary 39.59  
---bone cortex--see also Incision,bone 77.10  
---facial 76.09  
---nasoantral -- see Antrotomy, maxillary  
---pericardium 37.12  
---pleural 34.09  
Winiwarter (cholecystoenterostomy) 51.32  
Witzel (temporary gastrostomy) 43.19  
Woodward (release of high riding scapula) 81.83  
Young  
---epispadias repair 58.45  
---tendon transfer (anterior tibialis) (repair of flat foot) 83.75  
---Yount (division of iliotibial band) 83.14  
Zancolli  
---capsuloplasty 81.72  
---tendon transfer (biceps) 82.56  
Ziegler (iridectomy) 12.14  

**Opcerculectomy** 24.6  
**Ophthalmectomy** 16.49  
---with implant (into Tenon's capsule) 16.42  
---with attachment of muscles 16.41  
**Ophthalmoscopy** 16.21  
**Opponensplasty** (hand) 82.56  
**Orbitomaxillectomy, radical** 16.51

---
Orbitotomy (anterior) (frontal) (temporofrontal) (transfrontal) NEC 16.09 with bone flap 16.01 insertion of implant 16.02 Kroenlein (lateral) 16.01 lateral 16.01
Orchidectomy (with epididymectomy) (unilateral) 62.3 bilateral (radical) 62.41 remaining or solitary testis 62.42
Orchidopexy 62.5
Orchidoplasty 62.69
Orchidorrhaphy 62.61
Orchidotomy 62.0
Orchietectomy (with epididymectomy) (unilateral) 62.3 bilateral (radical) 62.41 remaining or solitary testis 62.42
Orchiopexy 62.5
Orchioplasty 62.69
Orthoroentgenography -- see Radiography
Oscar Miller operation (midtarsal arthrodesis) 81.14
Osmond-Clark operation (soft tissue release with peroneus brevis tendon transfer) 83.75
Ossiculectomy NEC 19.3 with stapedectomy -- see also Stapedectomy 19.19 stapes mobilization 19.0 tympanoplasty 19.53 revision 19.6
Ossiculotomy NEC 19.3
Osteotomy (partial), except facial -- see also category 77.8 facial NEC 76.39 total 76.45 with reconstruction 76.44 first metatarsal head -- see Bunionectomy for graft (autograft) (homograft) -- see also category 77.7 mandible 76.31 total 76.42 with reconstruction 76.41 total, except facial -- see also category 77.9 facial NEC 76.45 with reconstruction 76.44 mandible 76.42 with reconstruction 76.41
Osteoarthrotomy -- see also Osteotomy 77.30
Osteoclasia 78.70 carpal, metacarpal 78.74 clavicle 78.71 ear 20.79 femur 78.75
Osteolysis -- see category 78.4
Osteopathic manipulation -- see also Manipulation, osteopathic 93.67
Osteoplasty NEC -- see category 78.4 with bone graft -- see Graft, bone for bone lengthening--see Lengthening, bone bone shortening -- see Shortening, bone repair of malunion or nonunion of fracture -- see Repair, fracture, malunion or nonunion carpal, metacarpal 78.44 clavicle 78.41 cranium NEC 02.06 with flap (bone) 02.03 graft (bone) 02.04 facial bone NEC 76.69 femur 78.45 fibula 78.47 humerus 78.42
Osteoplasty NEC--Cont. mandible, mandibular NEC 76.64 body 76.63 ramus (open) 76.62 closed 76.61 maxilla (segmental) 76.65 total 76.66 nasal bones 21.89 patella 78.46 pelvic 78.49 phalanges (foot) (hand) 78.49 radius 78.43 scapula 78.41 skull NEC 02.06 with flap (bone) 02.03 graft (bone) 02.04 specified site NEC 78.49 tarsal, metatarsal 78.48 thorax (ribs) (sternum) 78.41 tibia 78.47 ulna 78.43 vertebrae 78.49
### Osteorrhaphy
- see also Osteoplasty 78.40

### Osteosynthesis (fracture)
- see Reduction, fracture

### Osteotomy
- (adduction)
- (angulation)
- (block)
- (derotational)
- (displacement)
- (partial)
- (rotational) 77.30

- carpals, metacarpals 77.34
  - wedge 77.24
- clavicle 77.31
  - wedge 77.21
- facial bone NEC 76.69
- femur 77.35
  - wedge 77.25
- fibula 77.37
  - wedge 77.27
- humerus 77.32
  - wedge 77.22
- mandible (segmental) (subapical) 76.64
  - angle (open) 76.62
    - closed 76.61
  - body 76.63
- Gigli saw 76.61
- ramus (open) 76.62
  - closed 76.61
- maxilla (segmental) 76.65
  - total 76.66
- metatarsal 77.38
  - wedge 77.28
    - for hallux valgus repair 77.51
- patella 77.36
  - wedge 77.26
- pelvic 77.39
  - wedge 77.29
- phalanges (foot) (hand) 77.39
  - for repair of
    - bunion -- see Bunionectomy
    - bunionette 77.54
    - hallux valgus -- see Bunionectomy
  - wedge 77.29
    - for repair of
      - bunion -- see Bunionectomy
      - bunionette 77.54
      - hallux valgus -- see Bunionectomy
- radius 77.33
  - wedge 77.23
- scapula 77.31
  - wedge 77.21
- specified site NEC 77.39
  - wedge 77.29
- tarsal 77.38
  - wedge 77.28

### Osteotomy -- Cont.
- thorax (ribs) (sternum) 77.31
  - wedge 77.21
- tibia 77.37
  - wedge 77.27
- toe 77.39
  - for repair of
    - bunion -- see Bunionectomy
    - bunionette 77.54
    - hallux valgus -- see Bunionectomy
  - wedge 77.29
    - for repair of
      - bunion -- see Bunionectomy
      - bunionette 77.54
      - hallux valgus -- see Bunionectomy
- ulna 77.33
  - wedge 77.23
- vertebrae 77.39
  - wedge 77.29

### Otonecrectomy
- (inner ear) 20.79

### Otoplasty (external)
- 18.79
  - auditory canal or meatus 18.6
  - auricle 18.79
  - cartilage 18.79
    - reconstruction 18.71
    - prominent or protruding 18.5

### Otoscopy
- 18.11

### Outfolding, sclera, for buckling
- see also Buckling, scleral 14.49

### Outfracture, turbinates (nasal)
- 21.62

### Output and clearance, circulatory
- 92.05

### Overdistension, bladder (therapeutic)
- 96.25

### Overlapping, sclera, for buckling
- see also Buckling, scleral 14.49

### Oversewing
- pleural bleb 32.21
- ulcer crater (peptic) 44.40
  - duodenum 44.42
  - stomach 44.41

### Oxford operation
- (for urinary incontinence) 59.4

### Oximetry
- fetal pulse 75.38

### Oxygenation
- 93.96
  - extracorporeal membrane (ECMO) 39.65
  - hyperbaric 93.95
  - wound 93.59

### Oxygen therapy (catalytic) (pump)
- 93.96
  - hyperbaric 93.95
<table>
<thead>
<tr>
<th>Procedure</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pacemaker</td>
<td>388</td>
</tr>
<tr>
<td>Pacemaker cardiac -- see also Insertion, pacemaker, cardiac intraoperative (temporary)</td>
<td>39.64</td>
</tr>
<tr>
<td>temporary (during and immediately following cardiac surgery)</td>
<td>39.64</td>
</tr>
<tr>
<td>Packing -- see also Insertion, pack</td>
<td>96.19</td>
</tr>
<tr>
<td>auditory canal</td>
<td>96.11</td>
</tr>
<tr>
<td>nose, for epistaxis (anterior)</td>
<td>21.01</td>
</tr>
<tr>
<td>posterior (and anterior)</td>
<td>21.02</td>
</tr>
<tr>
<td>rectal</td>
<td>96.19</td>
</tr>
<tr>
<td>sella turcica</td>
<td>07.79</td>
</tr>
<tr>
<td>vaginal</td>
<td>96.14</td>
</tr>
<tr>
<td>Palatoplasty</td>
<td>27.69</td>
</tr>
<tr>
<td>for cleft palate</td>
<td>27.62</td>
</tr>
<tr>
<td>secondary or subsequent</td>
<td>27.63</td>
</tr>
<tr>
<td>Palatoorrhaphy</td>
<td>27.61</td>
</tr>
<tr>
<td>for cleft palate</td>
<td>27.62</td>
</tr>
<tr>
<td>Pallidectomy</td>
<td>01.42</td>
</tr>
<tr>
<td>Pallidoansotomy</td>
<td>01.42</td>
</tr>
<tr>
<td>Pallidotomy</td>
<td>01.42</td>
</tr>
<tr>
<td>by stereotactic radiosurgery</td>
<td>92.32</td>
</tr>
<tr>
<td>cobalt 60</td>
<td>92.32</td>
</tr>
<tr>
<td>linear accelerator (LINAC)</td>
<td>92.31</td>
</tr>
<tr>
<td>multi-source</td>
<td>92.32</td>
</tr>
<tr>
<td>particle beam</td>
<td>92.33</td>
</tr>
<tr>
<td>particulate</td>
<td>92.33</td>
</tr>
<tr>
<td>radiosurgery NEC</td>
<td>92.39</td>
</tr>
<tr>
<td>Panas operation (linear proctotomy)</td>
<td>48.0</td>
</tr>
<tr>
<td>Pancreatectomy operation (division of trigeminal nerve at foramen ovale)</td>
<td>04.02</td>
</tr>
<tr>
<td>Pancreatectomy (total) (with synchronous duodenectomy)</td>
<td>52.6</td>
</tr>
<tr>
<td>partial NEC</td>
<td>52.59</td>
</tr>
<tr>
<td>distal (tail) (with part of body)</td>
<td>52.52</td>
</tr>
<tr>
<td>proximal (head) (with part of body) (with synchronous duodenectomy)</td>
<td>52.51</td>
</tr>
<tr>
<td>radical</td>
<td>52.53</td>
</tr>
<tr>
<td>subtotal</td>
<td>52.53</td>
</tr>
<tr>
<td>radical</td>
<td>52.7</td>
</tr>
<tr>
<td>subtotal</td>
<td>52.53</td>
</tr>
<tr>
<td>Pancreatectomy (total) NEC</td>
<td>52.4</td>
</tr>
<tr>
<td>Pancreatectomy with synchronous duodenectomy</td>
<td>52.4</td>
</tr>
<tr>
<td>Pancreatectomy with synchronous jejunectomy</td>
<td>52.4</td>
</tr>
<tr>
<td>Pancreaticoduodenectomy (total)</td>
<td>52.6</td>
</tr>
<tr>
<td>partial NEC</td>
<td>52.59</td>
</tr>
<tr>
<td>proximal</td>
<td>52.51</td>
</tr>
<tr>
<td>radical subtotal</td>
<td>52.53</td>
</tr>
<tr>
<td>radical (one-stage) (two-stage)</td>
<td>52.7</td>
</tr>
<tr>
<td>subtotal</td>
<td>52.53</td>
</tr>
<tr>
<td>Pancreaticoduodenostomy</td>
<td>52.96</td>
</tr>
<tr>
<td>Pancreaticoenterostomy</td>
<td>52.96</td>
</tr>
<tr>
<td>Pancreaticogastrostomy</td>
<td>52.96</td>
</tr>
<tr>
<td>Pancreaticoileostomy</td>
<td>52.96</td>
</tr>
<tr>
<td>Pancreaticojunostomy</td>
<td>52.96</td>
</tr>
<tr>
<td>Pancreatoduodenectomy (total)</td>
<td>52.6</td>
</tr>
<tr>
<td>partial NEC</td>
<td>52.59</td>
</tr>
<tr>
<td>radical (one-stage) (two-stage)</td>
<td>52.7</td>
</tr>
<tr>
<td>subtotal</td>
<td>52.53</td>
</tr>
<tr>
<td>Pancreatogram</td>
<td>87.66</td>
</tr>
<tr>
<td>endoscopic retrograde (ERP)</td>
<td>52.13</td>
</tr>
<tr>
<td>Pancreaticolithotomy</td>
<td>52.09</td>
</tr>
<tr>
<td>endoscopic</td>
<td>52.94</td>
</tr>
<tr>
<td>Pancreatotomy</td>
<td>52.09</td>
</tr>
<tr>
<td>Pancreolithotomy</td>
<td>52.09</td>
</tr>
<tr>
<td>endoscopic</td>
<td>52.94</td>
</tr>
<tr>
<td>Panendoscopy</td>
<td>57.32</td>
</tr>
<tr>
<td>specified site, other than bladder -- see Endoscopy, by site through artificial stoma</td>
<td>57.31</td>
</tr>
<tr>
<td>Panhysterectomy (abdominal)</td>
<td>68.49</td>
</tr>
<tr>
<td>laparoscopic</td>
<td>68.41</td>
</tr>
<tr>
<td>vaginal</td>
<td>68.59</td>
</tr>
<tr>
<td>laparoscopically assisted (LAVH)</td>
<td>68.51</td>
</tr>
<tr>
<td>Panniculotomy</td>
<td>86.83</td>
</tr>
<tr>
<td>Panniculotomy</td>
<td>86.83</td>
</tr>
<tr>
<td>Pantaloon operation (revision of gastric anastomosis)</td>
<td>44.5</td>
</tr>
<tr>
<td>Papillotomy, anal</td>
<td>49.39</td>
</tr>
<tr>
<td>endoscopic</td>
<td>49.31</td>
</tr>
<tr>
<td>Papillotomy (pancreas)</td>
<td>51.82</td>
</tr>
<tr>
<td>endoscopic</td>
<td>51.85</td>
</tr>
<tr>
<td>Paquin operation (ureteroneocystostomy)</td>
<td>56.74</td>
</tr>
<tr>
<td>Paracentesis</td>
<td>54.91</td>
</tr>
<tr>
<td>abdominal (percutaneous)</td>
<td>54.91</td>
</tr>
<tr>
<td>anterior chamber, eye</td>
<td>12.91</td>
</tr>
<tr>
<td>bladder</td>
<td>57.11</td>
</tr>
<tr>
<td>cornea</td>
<td>12.91</td>
</tr>
<tr>
<td>eye (anterior chamber)</td>
<td>12.91</td>
</tr>
<tr>
<td>thoracic, thoracis</td>
<td>34.91</td>
</tr>
<tr>
<td>tympanum</td>
<td>20.09</td>
</tr>
<tr>
<td>with intubation</td>
<td>20.01</td>
</tr>
<tr>
<td>Parasitology -- see Examination, microscopic</td>
<td>56.73</td>
</tr>
<tr>
<td>Parathyroidectomy (partial)(subtotal) NEC</td>
<td>06.89</td>
</tr>
<tr>
<td>complete</td>
<td>06.81</td>
</tr>
<tr>
<td>ectopic</td>
<td>06.89</td>
</tr>
<tr>
<td>global removal</td>
<td>06.81</td>
</tr>
<tr>
<td>mediastinal</td>
<td>06.89</td>
</tr>
<tr>
<td>total</td>
<td>06.81</td>
</tr>
<tr>
<td>Parenteral nutrition, total</td>
<td>99.15</td>
</tr>
<tr>
<td>peripheral</td>
<td>99.15</td>
</tr>
<tr>
<td>Parotidectomy</td>
<td>26.30</td>
</tr>
<tr>
<td>complete</td>
<td>26.32</td>
</tr>
<tr>
<td>partial</td>
<td>26.31</td>
</tr>
<tr>
<td>radical</td>
<td>26.32</td>
</tr>
<tr>
<td>Parsch operation (marsupialization of dental cyst)</td>
<td>24.4</td>
</tr>
<tr>
<td>Passage -- see Insertion and Intubation</td>
<td>388</td>
</tr>
</tbody>
</table>
Passage of sounds, urethra 58.6
Patch
- blood, spinal (epidural) 03.95
- graft — see Graft
- spinal, blood (epidural) 03.95
- subdural, brain 02.12
Patellapexy 78.46
Patellaplasty NEC 78.46
Patellecetomy 77.96
- partial 77.86
Pattee operation (auditory canal) 18.6
Pectenotomy -- see also Sphincterotomy, anal 49.59
Pedicle flap -- see Graft, skin, pedicle
Peet operation (splanchnic resection) 05.29
PEG (percutaneous endoscopic gastrostomy) 43.11
PEJ (percutaneous endoscopic jejunalostomy) 46.32
Pelvectomy, kidney (partial) 55.4
Pelvimetry 88.25
- gynecological 89.26
Pelviolithotomy 55.11
Pelvioplasty, kidney 55.87
Pelviostomy 55.12
- closure 55.82
Pelviotomy 77.39
- to assist delivery 73.94
Pelvi-uretero-plasty 55.87
Pemberton operation
- osteotomy of ilium 77.39
- rectum (mobilization and fixation for prolapse repair) 48.76
Penectomy 64.3
Pereyra operation (paraurethral suspension) 59.6
Perforation
- stapes footplate 19.0
Perfusion NEC 39.97
- carotid artery 39.97
- coronary artery 39.97
- for chemotherapy NEC 99.25
- hormone therapy NEC 99.24
- head 39.97
- hyperthermic (lymphatic), localized region or site 93.35
- intestine (large) (local) 46.96
- small 46.95
- kidney, local 55.95
- limb (lower) (upper) 39.97
- liver, localized 50.93
- neck 39.97
- subarachnoid (spinal cord)
  - (refrigerated saline) 03.92
- total body 39.96
Pericardiectomy 37.31
Pericardiocentesis 37.0
Pericardiologysis 37.12
Pericardioplasty 37.49
Pericardiorrhaphy 37.49
Pericardiostomy (tube) 37.12
Pericardiomy 37.12
Peridectomy 10.09
Perilimbal suction 89.11
Perimetry 95.05
Perineoplasty 71.79
Perineorrhaphy 71.71
- obstetrical laceration (current) 75.69
Perineotomy (nonobstetrical) 71.09
- to assist delivery -- see Episiotomy
Periosteotomy -- see also Episiotomy 77.10
- facial bone 76.09
Perirectofistulectomy 48.93
Peritectomy 10.31
Peritomy 10.1
Peritoneocentesis 54.91
- Peritoneoscopy 54.21
- Peritoneotomy 54.19
- Peritoneumectomy 54.4
- Phacoemulsification (ultrasonic) (with aspiration) 13.41
Phacofragmentation (mechanical) (with aspiration) 13.43
- posterior route 13.42
- ultrasonic 13.41
Phalangeotomy (partial) 77.89
- claw toe 77.57
- cockup toe 77.58
- hammer toe 77.56
- overlapping toe 77.58
- total 77.99
Phalangization (fifth metacarpal) 82.81
Pharyngeal flap operation (cleft palate repair) 27.62
- secondary or subsequent 27.63
Pharyngectomy (partial) 29.33
- with laryngectomy 30.3
Pharyngogram 87.09
- contrast 87.06
Pharyngolaryngectomy 30.3
Pharyngoplasty (with silastic implant) 29.4
- for cleft palate 27.62
- secondary or subsequent 27.63
Pharyngorrhaphy 29.51
- for cleft palate 27.62
Pharyngoscopy 29.11
Pharyngotomy 29.0
Phenopeel (skin) 86.24
Phlebectomy 38.60
- with anastomosis 38.30
- abdominal 38.37
- head and neck NEC 38.32
- intracranial NEC 38.31
- lower limb 38.39
Phlebectomy -with anastomosis---Cont.
  thoracic NEC 38.35
  upper limb 38.33
  graft replacement 38.40
  abdominal 38.47
  head and neck NEC 38.42
  intracranial NEC 38.41
  lower limb 38.49
  thoracic NEC 38.45
  upper limb 38.43
  abdominal 38.67
  head and neck NEC 38.62
  intracranial NEC 38.61
  lower limb 38.69
  thoracic NEC 38.65
  upper limb 38.63
  varicose 38.50
  abdominal 38.57
  head and neck NEC 38.52
  intracranial NEC 38.51
  lower limb 38.59
  thoracic NEC 38.55
  upper limb 38.53

Phlebogoniostomy 12.52
Phlebography (contrast) (retrograde) 88.60
  by radioisotope -- see Scan, radioisotope, by site
  adrenal 88.65
  femoral 88.66
  head 88.61
  hepatic 88.64
  impedance 88.68
  intra-abdominal NEC 88.65
  intrathoracic NEC 88.63
  lower extremity NEC 88.66
  neck 88.61
  portal system 88.64
  pulmonary 88.62
  specified site NEC 88.67
  vena cava (inferior) (superior) 88.51
Phleborrhaphy 39.32
Phlebotomy 38.99
Phonocardiogram, with ECG lead 89.55
Photochemotherapy NEC 99.83
  extracorporeal 99.88
Phoetoagulation -retina---Cont.
  laser (beam)
  for
  destruction of lesion 14.24
  reattachment 14.54
  repair of tear or defect 14.34
  xenon arc
  for
  destruction of lesion 14.23
  reattachment 14.53
  repair of tear or defect 14.33
Photography 89.39
  fundus 95.11
Photopheresis, therapeutic 99.88
Phototherapy NEC 99.83
  newborn 99.83
  ultraviolet 99.82
Phrenectomy 04.03
  for collapse of lung 33.31
Phrenicectomy 04.03
  for collapse of lung 33.31
Phrenicoexeresis 04.03
  for collapse of lung 33.31
Phrenicotripsy 04.03
  for collapse of lung 33.31
Phrenoplasty 34.84
  Physical medicine -- see Therapy, physical
  Physical therapy -- see Therapy, physical
  Physiotherapy, chest 93.99
PICC (peripherally inserted central catheter) 38.93
Piercing ear, external (pinna) 18.01
Pigmenting, skin 86.02
Pilojection (aneurysm) (Gallagher) 39.52
Pinealecetomy (complete) (total) 07.54
  partial 07.53
Pinealotomy (with drainage) 07.52
Pinning
  bone -- see Fixation, bone, internal ear 18.5
  Pinsker operation (obliteration of nasoseptal telangiectasia) 21.07
  Piper operation (forceps) 72.6
  Pirogoff operation (ankle amputation through malleoli of tibia and fibula) 84.14
  Pituitectomy (complete) (total) -- see also Hyopphysectomy 07.69
  Placentogram, placentography 88.46
  with radioisotope (RISA) 92.17
  Planing, skin 86.25
  Plantation, tooth (bud) (germ) 23.5
  prosthetic 23.6
  Plasma exchange 99.07
  Plasmapheresis, therapeutic 99.71
  Plastic repair -- see Repair, by site
Plasty -- see also Repair, by site
bladder neck (V-Y) 57.85
skin (without graft) 86.89
subcutaneous tissue 86.89
Platelet inhibitor (GP IIb/IIIa inhibitor only),
infusion 99.20
Plateletpheresis, therapeutic 99.74
Play
psychotherapy 94.36
therapy 93.81
Pleating
eye muscle 15.22
multiple (two or more muscles) 15.4
sclera, for buckling -- see also Buckling, scleral 14.49
Plethysmogram (carotid) 89.58
air-filled (pneumatic) 89.58
capacitance 89.58
cerebral 89.58
differential 89.58
oculoplethysmogram 89.58
penile 89.58
photoelectric 89.58
regional 89.58
respiratory function measurement (body) 89.38
segmental 89.58
strain-gauge 89.58
thoracic impedance 89.38
venous occlusion 89.58
water-filled 89.58
Plethysmography
CaverMap™ 89.58
penile 89.58
Pleurectomy NEC 34.59
Pleurocentesis 34.91
Pleurodesis 34.6
chemical 34.92
with cancer chemotherapy substance 34.92 [99.25]
tetracycline 34.92 [99.21]
Pleurolysis (for collapse of lung) 33.39
Pleuropexy 34.99
Pleuroplexy 34.6
chemical 34.92
with cancer chemotherapy substance 34.92 [99.25]
tetracycline 34.92 [99.21]
Pleurotomy 34.09
Plexectomy
choroid 02.14
hypogastric 05.24
Plication
aneurysm
heart 37.32
annulus, heart valve 35.33
bleb (emphysematous), lung 32.21
broad ligament 69.22
Plication--Cont.
diaphragm(for hernia repair)(thoracic approach) (thoracoabdominal approach) 53.81
eye muscle (oblique) (rectus) 15.22
multiple (two or more muscles) 15.4
fascia 83.89
hand 82.89
inferior vena cava 38.7
intestine (jejunum) (Noble) 46.62
Kelly(-Stoeckel) (urethrovesical junction) 59.3
levator, for blepharoptosis 08.34
ligament -- see also Arthroplasty 81.96
broad 69.22
round 69.22
uterosacral 69.22
mesentery 54.75
round ligament 69.22
sphincter, urinary bladder 57.85
stomach 44.69
laparoscopic 44.68
superior vena cava 38.7
tendon 83.85
hand 82.55
tricuspid valve (with repositioning) 35.14
ureter 56.89
urethra 58.49
ureterovesical junction 59.3
vein (peripheral) 39.59
vena cava (inferior) (superior) 38.7
ventricle (heart)
aneurysm 37.32
Plicotomy, tympanum 20.23
Plombage, lung 33.39
Pneumocentesis 33.93
Pneumocisternogram 87.02
Pneumoencephalogram 87.01
Pneumogram, pneumography
extraperitoneal 88.15
mediastinal 87.33
orbit 87.14
pelvic 88.13
peritoneum NEC 88.13
presacral 88.15
retroperitoneum 88.15
Pneumogynecography 87.82
Pneumomediastinography 87.33
Pneumonecetomy (complete) (extended)
(radical) (standard) (total) (with mediastinal dissection) 32.5
partial
complete excision, one lobe 32.4
resection (wedge), one lobe 32.3
Pneumonolysis (for collapse of lung) 33.39
Pneumonotomy (with exploration) 33.1
Pneumopectoneum(surgically-induced) 54.96
for collapse of lung 33.33
pelvic 88.12
### ICD-9-CM INDEX TO PROCEDURES (FY07)

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pneumothorax (artificial) (surgical)</td>
<td>33.32</td>
</tr>
<tr>
<td>intrapleural</td>
<td>33.32</td>
</tr>
<tr>
<td>Pneumoventriculogram</td>
<td>87.02</td>
</tr>
<tr>
<td>Politano-Leadbetter operation</td>
<td>(ureteroneocystostomy)</td>
</tr>
<tr>
<td>Politzerization, Eustachian tube</td>
<td>20.8</td>
</tr>
<tr>
<td>Pollicization (with carry over of nerves and blood supply)</td>
<td>82.61</td>
</tr>
<tr>
<td>Poly operation (gastrectomy)</td>
<td>43.7</td>
</tr>
<tr>
<td>Polypectomy</td>
<td>--see also Excision, lesion, by site</td>
</tr>
<tr>
<td>esophageal</td>
<td>42.32</td>
</tr>
<tr>
<td>endoscopic</td>
<td>42.33</td>
</tr>
<tr>
<td>gastric (endoscopic)</td>
<td>43.41</td>
</tr>
<tr>
<td>large intestine (colon)</td>
<td>45.42</td>
</tr>
<tr>
<td>nasal</td>
<td>21.31</td>
</tr>
<tr>
<td>rectum (endoscopic)</td>
<td>48.36</td>
</tr>
<tr>
<td>Polysomnogram</td>
<td>89.17</td>
</tr>
<tr>
<td>Pomeroy operation</td>
<td>(ligation and division of fallopian tubes)</td>
</tr>
<tr>
<td>Poncet operation</td>
<td>lengthening of Achilles tendon</td>
</tr>
<tr>
<td>urethrostomy, perineal</td>
<td>58.0</td>
</tr>
<tr>
<td>Porro operation (cesarean section)</td>
<td>74.99</td>
</tr>
<tr>
<td>Portoenterostomy (Kasai)</td>
<td>51.37</td>
</tr>
<tr>
<td>Positrocephalogram</td>
<td>92.11</td>
</tr>
<tr>
<td>Positron emission tomography (PET)</td>
<td>--see Scan, radioisotope</td>
</tr>
<tr>
<td>Postmortem examination</td>
<td>89.8</td>
</tr>
<tr>
<td>Potts-Smith operation (descending aorta-left pulmonary artery anastomosis)</td>
<td>39.0</td>
</tr>
<tr>
<td>Poudrage</td>
<td>intrapericardial</td>
</tr>
<tr>
<td>pleural</td>
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<td>PPN (peripheral parenteral nutrition)</td>
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<tr>
<td>Preparation (cutting), pedicle (flap) graft</td>
<td>86.71</td>
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<tr>
<td>Preputiotomy</td>
<td>64.91</td>
</tr>
<tr>
<td>Prescription for glasses</td>
<td>95.31</td>
</tr>
<tr>
<td>Pressure support</td>
<td>ventilation [PSV] --see category 96.7</td>
</tr>
<tr>
<td>Pressurized graft treatment</td>
<td>00.16</td>
</tr>
<tr>
<td>Printen and Mason operation (high gastric bypass)</td>
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</tr>
<tr>
<td>Probing</td>
<td>canaliculus, lacrimal (with irrigation)</td>
</tr>
<tr>
<td>lacrimal</td>
<td>canaliculi</td>
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<tr>
<td>punctum (with irrigation)</td>
<td>09.41</td>
</tr>
<tr>
<td>nasolacrimal duct (with irrigation)</td>
<td>09.43</td>
</tr>
<tr>
<td>with insertion of tube or stent</td>
<td>09.44</td>
</tr>
<tr>
<td>salivary duct (for dilation of duct) (for removal of calculus)</td>
<td>26.91</td>
</tr>
<tr>
<td>with incision</td>
<td>26.0</td>
</tr>
<tr>
<td>Procedure</td>
<td>--see also specific procedure diagnostic NEC</td>
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<tr>
<td>abdomen (region)</td>
<td>54.29</td>
</tr>
<tr>
<td>adenoid</td>
<td>28.19</td>
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<td>adrenal gland</td>
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<tr>
<td>alveolus</td>
<td>24.19</td>
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<td>amnion</td>
<td>75.35</td>
</tr>
<tr>
<td>anterior chamber, eye</td>
<td>12.29</td>
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<tr>
<td>anus</td>
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</tr>
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<td>biliary tract</td>
<td>51.19</td>
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<td>bladder</td>
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<td>blood vessel (any site)</td>
<td>38.29</td>
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<tr>
<td>bone</td>
<td>78.80</td>
</tr>
<tr>
<td>carpal, metacarpal</td>
<td>78.84</td>
</tr>
<tr>
<td>clavicle</td>
<td>78.81</td>
</tr>
<tr>
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<td>76.19</td>
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<td>78.85</td>
</tr>
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<td>fibula</td>
<td>78.87</td>
</tr>
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<td>78.82</td>
</tr>
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<td>marrow</td>
<td>41.38</td>
</tr>
<tr>
<td>patella</td>
<td>78.86</td>
</tr>
<tr>
<td>pelvic</td>
<td>78.89</td>
</tr>
<tr>
<td>phalanges (foot) (hand)</td>
<td>78.89</td>
</tr>
<tr>
<td>radius</td>
<td>78.83</td>
</tr>
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<td>78.81</td>
</tr>
<tr>
<td>specified site NEC</td>
<td>78.89</td>
</tr>
<tr>
<td>tarsal, metatarsal</td>
<td>78.88</td>
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<td>thorax (ribs) (sternum)</td>
<td>78.81</td>
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<td>83.29</td>
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</tr>
<tr>
<td>cecum</td>
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<tr>
<td>cerebral meninges</td>
<td>01.18</td>
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<td>cervix</td>
<td>67.19</td>
</tr>
<tr>
<td>chest wall</td>
<td>34.28</td>
</tr>
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<td>14.19</td>
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<td>71.19</td>
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<td>colon</td>
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<tr>
<td>ear</td>
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</tr>
<tr>
<td>inner and middle</td>
<td>20.39</td>
</tr>
<tr>
<td>epididymis</td>
<td>63.09</td>
</tr>
<tr>
<td>esophagus</td>
<td>42.29</td>
</tr>
<tr>
<td>Eustachian tube</td>
<td>20.39</td>
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<tr>
<td>Procedure</td>
<td>diagnostic ---Cont.</td>
</tr>
<tr>
<td>------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>eye 16.29</td>
<td>extraocular muscle or tendon 15.09</td>
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<td>anterior chamber 12.29</td>
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<td>posterior chamber 14.19</td>
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<td>eyelid 08.19</td>
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<td>fallopian tube 66.19</td>
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<tr>
<td>fascia (any site) 83.29</td>
<td></td>
</tr>
<tr>
<td>fetus 75.35</td>
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</tr>
<tr>
<td>gallbladder 51.19</td>
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<td>ganglion (cranial) (peripheral) 04.19</td>
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<td>sympathetic 05.19</td>
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<tr>
<td>gastric 44.19</td>
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<tr>
<td>globus pallidus 01.18</td>
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<tr>
<td>gum 24.19</td>
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<td>large intestine 45.28</td>
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<td>meninges (cerebral) 01.18</td>
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<th>diagnostic ---Cont.</th>
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<td>extraocular 15.09</td>
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</tbody>
</table>
Procedure -diagnostic ---Cont.
	tonsils 28.19
tooth 24.19
	trachea 31.49
tunica vaginalis 61.19
	ureter 56.39
	netrahe 58.29

teru and supporting structures 68.19
	vu la 27.29
	nagina 70.29

tas deferens 63.09

tesical 57.39


tessel (blood) (any site) 38.29

treetous 14.19

tulva 71.19

	fistulizing, sclera NEC 12.69

tiscellaneous (nonoperative) NEC 99.99

t respiratory (nonoperative) NEC 93.99


turgical -- see Operation

Proctectasis 96.22

Proctectomy (partial) -- see also Resection, rectum 48.69

abdominoperineal 48.5

to complete (Miles) (Rankin) 48.5

pull-through 48.49

Proctoclysis 96.37

Proctolysis 48.99

Proctopexy (Delorme) 48.76

abdominal (Ripstein) 48.75

Proctoplasty 48.79

Proctorrhaphy 48.71

Proctoscopy 48.23

with biopsy 48.24

through stoma (artificial) 48.22

transabdominal approach 48.21

Proctosigmoidectomy -- see also Resection, rectum 48.69

Proctosigmoidopexy 48.76

Proctosigmoidoscopy (rigid) 48.23

flexible 45.24

through stoma (artificial) 48.22

transabdominal approach 48.21

Proctostomy 48.1

Proctotomy (decompression) (linear) 48.0

Production -- see also Formation and Creation

atrial septal defect 35.42

subcutaneous tunnel for esophageal anastomosis 42.86

with anastomosis -- see Anastomosis, esophagus, antesternal

Prognathic recession 76.64

Prophylaxis, dental(scaling)(polishing) 96.54

Prostatectomy (complete)(partial) NEC 60.69

loop 60.29

perineal 60.62

radical (any approach) 60.5

Prostatectomy --Cont.


gressive (punch) (transcapsular) 60.4

suprapubic (punch) (transvesical) 60.3

transcapsular NEC 60.69

gressive 60.4

transperineal 60.62

transurethral 60.29

ablation(contact)(noncontact)by laser 60.21

electro vaporization 60.29

enucleative 60.29

ressection of prostate (TURP) 60.29

ultrasound guided laser induced (TULIP) 60.21

transvesical punch (suprapubic) 60.3

Prostatocystotomy 60.0

Prostatololithotomy 60.0

Prostatotomoty (perineal) 60.0

Prostatovesiculectomy 60.5

Protection (of)

individual from his surroundings 99.84

surroundings from individual 99.84

Psychoanalysis 94.31

Psychodrama 94.43

Psychotherapy NEC 94.39

biofeedback 94.39

exploratory verbal 94.37

group 94.44

for psychosexual dysfunctions 94.41

play 94.36

psychosexual dysfunctions 94.34

supportive verbal 94.38

PTCA (percutaneous transluminal coronary angioplasty) -- see Angioplasty, balloon, coronary

Ptyalectasis 26.91

Ptyalithotomy 26.0

Ptyalolithotomy 26.0

Pubiotomy 77.39

assisting delivery 73.94

Pubococcygeoplasty 59.71

Puestow operation (pancreaticojejunostomy) 52.96

Pull-through

abdomino-anal 48.49

abdominoperineal 48.49

Duhamel type 48.65

dorectal 48.41

Pulmowrap 93.99

Pulpectomy --see also Therapy,root canal 23.70

Pulpotomy --see also Therapy, root canal 23.70

Pump-oxygenator, for extracorporeal circulation 39.61

percutaneous 39.66

Punch

operation

bladder neck, transurethral 57.49

prostate -- see Prostatectomy

ressection, vocal cords 30.22
Puncture
antrum (nasal) (bilateral) (unilateral) 22.01
artery NEC 38.98
for arteriography -- see also Arteriography 88.40
for coronary arteriography -- see also Arteriography, coronary 88.57
percutaneous vascular closure - omit code
bladder, suprapubic (for drainage) NEC 57.18
needle 57.11
percutaneous (suprapubic) 57.17
bursa 83.94
hand 82.92
cisternal 01.01
with contrast media 87.02
cranial 01.09
with contrast media 87.02
craniofacial p. 07.72
craniofacial p. 07.72
fallopian tube 66.91
fontanel, anterior 01.09
heart 37.0
for intracardiac injection 37.92
hypophysis 07.72
iris 12.12
joint 81.91
kidney (percutaneous) 55.92
larynx 31.98
lumbar (diagnostic) (removal of dye) 03.31
lung (for aspiration) 33.93
nasal sinus 22.01
pericardium 37.0
pituitary gland 07.72
pleural cavity 34.91
Rathke's pouch 07.72
spinal 03.31
spleen 41.1
for biopsy 41.32
sternal (for bone marrow biopsy) 41.31
donor for bone marrow transplant 41.91
vein NEC 38.99
for phlebography--see also Phlebography 88.60
transfusion -- see Transfusion
ventricular shunt tubing 01.02

Pupillotomy 12.35
Push-back operation (cleft palate repair) 27.62
Putti-Platt operation (capsulorrhaphy of shoulder for recurrent dislocation) 81.82
pVAD (percutaneous ventricular assist device) 37.68
Pyelogram (intravenous) 87.73
infusion (continuous) (diuretic) 87.73
percutaneous 87.75
retrograde 87.74
Pyeloileostomy 56.71
Pyelolithotomy 55.11
Pyeloplasty 55.87
Pyelorrhaphy 55.81
Pyeloscopy 55.22
Pyelostolithotomy, percutaneous 55.03
Pyelostomy 55.12
closure 55.82
Pyelotomy 55.11
Pyeloureteroplasty 55.87
Pyloroplasty 43.6
Pyloroduodenotomy -- see category 44.2
Pyloromyotomy (Ramstedt) (with wedge resection) 43.3
Pyloroplasty (Finney)(Heineke-Mikulicz) 44.29
dilation, endoscopic 44.22
by incision 44.21
not elsewhere classified 44.29
revision 44.29
Pylorostomy -- see Gastrostomy

Quadrant resection of breast 85.22
Quadricepsplasty (Thompson) 83.86
Quarantine 99.84
Quenuthoracoplasty 77.31
Quotient, respiratory 89.38
Rachicentesis 03.31
Rachitomy 03.09
Radiation therapy --see also Therapy, radiation teleradiotherapy --see Teleradiotherapy
Radical neck dissection --see Dissection, neck Radicotomy 03.1 Radiculectomy 03.1 Radiculotomy 03.1 Radiography (diagnostic) NEC 88.39 abdomen, abdominal (flat plate) NEC 88.19 wall (soft tissue) NEC 88.09 adenoid 87.09 ankle (skeletal) 88.28 soft tissue 88.37 bone survey 88.31 bronchus 87.49 chest (routine) 87.44 wall NEC 87.39 clavicle 87.43 computer assisted surgery (CAS) with fluoroscopy 00.33 contrast (air) (gas) (radio-opaque substance) NEC abdominal wall 88.03 arteries (by fluoroscopy) --see Arteriography bile ducts NEC 87.54 bladder NEC 87.77 brain 87.02 breast 87.35 bronchus NEC (transcricoid) 87.32 endotracheal 87.31 epididymis 87.93 esophagus 87.61 fallopian tubes gas 87.82 opaque dye 87.83 fistula (sinus tract) --see also Radiography, contrast, by site abdominal wall 88.03 chest wall 87.38 gallbladder NEC 87.59 intervertebral disc(s) 87.21 joints 88.32 larynx 87.07 lymph --see Lymphangiogram mammary ducts 87.35 mediastinum 87.33 nasal sinuses 87.15 nasolacrimal ducts 87.05 nasopharynx 87.06

Radiography -contrast --Cont. orbit 87.14 pancreas 87.66 pelvis gas 88.12 opaque dye 88.11 peritoneum NEC 88.13 retroperitoneum NEC 88.15 seminal vesicles 87.91 sinus tract --see also Radiography, contrast, by site abdominal wall 88.03 chest wall 87.38 nose 87.15 skull 87.02 spinal disc(s) 87.21 trachea 87.32 uterus gas 87.82 opaque dye 87.83 vas deferens 87.94 veins (by fluoroscopy) --see Phlebography vena cava (inferior) (superior) 88.51 dental NEC 87.12 diaphragm 87.49 digestive tract NEC 87.69 barium swallow 87.61 lower GI series 87.64 small bowel series 87.63 upper GI series 87.62 elbow (skeletal) 88.22 soft tissue 88.35 epididymis NEC 87.95 esophagus 87.69 barium-swallow 87.61 eye 95.14 face, head, and neck 87.09 facial bones 87.16 fallopian tubes 87.85 foot 88.28 forearm (skeletal) 88.22 soft tissue 88.35 frontal area, facial 87.16 genital organs female NEC 87.89 male NEC 87.99 hand (skeletal) 88.23 soft tissue 88.35 head NEC 87.09 heart 87.49 hip (skeletal) 88.26 soft tissue 88.37 intestine NEC 87.65 kidney-ureter-bladder (KUB) 87.79
<table>
<thead>
<tr>
<th>Procedure</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knee (skeletal)</td>
<td>88.27</td>
</tr>
<tr>
<td>Larynx</td>
<td>87.09</td>
</tr>
<tr>
<td>Lower leg (skeletal)</td>
<td>88.27</td>
</tr>
<tr>
<td>Lower limb (skeletal) NEC</td>
<td>88.29</td>
</tr>
<tr>
<td>Lung</td>
<td>87.49</td>
</tr>
<tr>
<td>Mandible</td>
<td>87.16</td>
</tr>
<tr>
<td>Maxilla</td>
<td>87.16</td>
</tr>
<tr>
<td>Mediastinum</td>
<td>87.49</td>
</tr>
<tr>
<td>Nasal sinuses</td>
<td>87.16</td>
</tr>
<tr>
<td>Nasolacrimal duct</td>
<td>87.09</td>
</tr>
<tr>
<td>Nasopharynx</td>
<td>87.09</td>
</tr>
<tr>
<td>Neck NEC</td>
<td>87.09</td>
</tr>
<tr>
<td>Nose</td>
<td>87.16</td>
</tr>
<tr>
<td>Pelvis (skeletal)</td>
<td>88.26</td>
</tr>
<tr>
<td>Prostate NEC</td>
<td>87.92</td>
</tr>
<tr>
<td>Prostate and seminal vesicles NEC</td>
<td>87.92</td>
</tr>
<tr>
<td>Shoulder (skeletal)</td>
<td>88.21</td>
</tr>
<tr>
<td>Soft tissue</td>
<td>88.19</td>
</tr>
<tr>
<td>Spine NEC</td>
<td>87.17</td>
</tr>
<tr>
<td>Spine (cervical)</td>
<td>87.22</td>
</tr>
<tr>
<td>Spine (lumbosacral)</td>
<td>87.24</td>
</tr>
<tr>
<td>Spine (sacrococcygeal)</td>
<td>87.24</td>
</tr>
<tr>
<td>Sternum</td>
<td>87.23</td>
</tr>
<tr>
<td>Supraorbital area</td>
<td>87.16</td>
</tr>
<tr>
<td>Symphysis menti</td>
<td>87.16</td>
</tr>
<tr>
<td>Teeth NEC</td>
<td>87.12</td>
</tr>
<tr>
<td>Thigh (skeletal)</td>
<td>88.27</td>
</tr>
<tr>
<td>Soft tissue</td>
<td>88.37</td>
</tr>
<tr>
<td>Thyroid region</td>
<td>87.09</td>
</tr>
<tr>
<td>Tonsils and adenoids</td>
<td>87.09</td>
</tr>
<tr>
<td>Trachea</td>
<td>87.49</td>
</tr>
<tr>
<td>Ultrasonic -- see Ultrasonography</td>
<td>87.45</td>
</tr>
<tr>
<td>Upper arm (skeletal)</td>
<td>88.21</td>
</tr>
<tr>
<td>Soft tissue</td>
<td>88.35</td>
</tr>
<tr>
<td>Upper limb (skeletal) NEC</td>
<td>88.24</td>
</tr>
<tr>
<td>Soft tissue NEC</td>
<td>88.35</td>
</tr>
<tr>
<td>Urinary system NEC</td>
<td>87.79</td>
</tr>
<tr>
<td>Uterus NEC</td>
<td>87.85</td>
</tr>
<tr>
<td>Gravid</td>
<td>87.81</td>
</tr>
<tr>
<td>Ear (amputated)</td>
<td>87.82</td>
</tr>
</tbody>
</table>

**Radiography** -- Cont.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vas deferens NEC</td>
<td>87.95</td>
</tr>
<tr>
<td>Wrist</td>
<td>88.23</td>
</tr>
<tr>
<td>Zygomaticomaxillary complex</td>
<td>87.16</td>
</tr>
</tbody>
</table>

**Radioimmunotherapy** | 92.28 |

**Radioisotope**

- Scanning -- see Scan, radioisotope
- Therapy -- see Therapy, radioisotope

**Radiology**

- Diagnostic -- see Radiography
- Therapeutic -- see Therapy, radiation

**Radiosurgery, stereotactic** | 92.30 |

- Cobalt 60 | 92.32 |
- Linear accelerator (LINAC) | 92.31 |
- Multi-source | 92.32 |
- Particle beam | 92.33 |
- Particulate | 92.33 |
- Radiosurgery NEC | 92.39 |
- Single source photon | 92.31 |

**Raising, pedicle graft** | 86.71 |

**Ramadier operation** (intrapetrosal drainage) | 20.22 |

**Ramisduction** (sympathetic) | 05.0 |

**Ramstedt operation** (pyloromyotomy)

- With wedge resection | 43.3 |

**Range of motion testing** | 93.05 |

**Rankin operation**

- Exteriorization of intestine | 46.03 |
- Proctectomy (complete) | 48.5 |

**Rashkind operation** (balloon septostomy) | 35.41 |

**Rastelli operation** (creation of conduit between right ventricle and pulmonary artery) | 35.92 |

- In repair of pulmonary artery atresia | 35.92 |
- Transposition of great vessels | 35.92 |
- Truncus arteriosus | 35.83 |

**Raz-Pereyra procedure** (bladder neck suspension) | 59.79 |

**RCSA** (radical cryosurgical ablation) of prostate | 60.62 |

**Readjustment** -- see Adjustment

**Reamputation, stump** | 84.3 |

**Reanastomosis** -- see Anastomosis

**Reattachment**

- Amputated ear | 18.72 |
- Ankle | 84.27 |
- Arm (upper) NEC | 84.24 |
- Choroid and retina NEC | 14.59 |
- Cryotherapy | 14.52 |
- Diathermy | 14.51 |
- Electrocoagulation | 14.51 |
- Photocoagulation | 14.55 |
- Laser | 14.54 |
- Xenon arc | 14.53 |
- Ear (amputated) | 18.72 |
### ICD-9-CM INDEX TO PROCEDURES (FY07)

#### Reattachment --Cont.

- **extremity** 84.29
  - ankle 84.27
  - arm (upper) NEC 84.24
  - fingers, except thumb 84.22
  - thumb 84.21
  - foot 84.26
  - forearm 84.23
  - hand 84.23
  - leg (lower) NEC 84.27
  - thigh 84.28
  - thumb 84.21
  - toe 84.25
  - wrist 84.23
- **finger** 84.22
  - thumb 84.21
  - foot 84.26
  - forearm 84.23
  - hand 84.23
- **joint capsule -- see also Arthroplasty** 81.96
- **ligament -- see also Arthroplasty**
- **muscle** 83.74
  - hand 82.54
  - papillary (heart) 35.31
  - nerve (peripheral) 04.79
  - nose (amputated) 21.89
  - papillary muscle (heart) 35.31
  - penis (amputated) 64.45
- **retina (and choroid) NEC** 14.59
  - by
    - cryotherapy 14.52
    - diathermy 14.51
    - electrocoagulation 14.51
    - photocoagulation 14.55
    - laser 14.54
    - xenon arc 14.53
- **tendon (to tendon)** 83.73
  - hand 82.53
  - to skeletal attachment 83.88
  - hand 82.85
  - hand 82.85
  - to skeletal attachment 83.88
- **thigh** 84.28
- **toe** 84.25
- **tooth** 23.5
- **uterosacral ligament(s)** 69.22
- **vessels (peripheral)** 39.59
  - renal, aberrant 39.55
- **wrist** 84.23

#### Recession --Cont.

- **tendon** 83.72
  - hand 82.52

#### Reclosure -- see also Closure disrupted

- abdominal wall (postoperative) 54.61

#### Reconstruction (plastic) -- see also

- Construction and Repair, by site
- alveolus, alveolar (process) (ridge) (with graft or implant) 24.5
- artery (graft) -- see Graft, artery
- artificial stoma, intestine 46.40
- auditory canal (external) 18.6
- auricle (ear) 18.71
- bladder 57.87
  - with
    - ileum 57.87 [45.51]
    - sigmoid 57.87 [45.52]
- bone, except facial -- see also
  - Osteoplasty 78.40
  - facial NEC 76.46
  - with total ostectomy 76.44
  - mandible 76.43
  - with total mandibulectomy 76.41
- breast, total 85.7
- bronchus 33.48
- canthus (lateral) 08.59
- cardiac annulus 35.33
- chest wall (mesh) (silastic) 34.79
- cleft lip 27.54
- conjunctival cul-de-sac 10.43
  - with graft (buccal mucous membrane) (free) 10.42
- cornea NEC 11.79
- diaphragm 34.84
- ear (external) (auricle) 18.71
- external auditory canal 18.6
  - meatus (new) (osseous skin-lined) 18.6
  - ossicles 19.3
  - prominent or protruding 18.5
- eyebrow 08.70
- eyelid 08.70
  - with graft or flap 08.69
  - hair follicle 08.63
  - mucous membrane 08.62
  - skin 08.61
  - tarsal conjunctival (one-stage)
    - (two-stage) 08.64
  - full-thickness 08.74
  - involving lid margin 08.73
  - partial-thickness 08.72
  - involving lid margin 08.71
- eye socket 16.64
  - with graft 16.63
- fallopian tube 66.79
- foot and toes (with fixation device) 81.57
  - with prosthetic implant 81.57
- frontonasal duct 22.79
- hip (total) (with prosthesis) 81.51
### ICD-9-CM INDEX TO PROCEDURES (FY07)

#### Reconstruction ---Cont.

- Intraoral 27.59
- Joint -- see Arthroplasty
- Lymphatic (by transplantation) 40.9
- Mandible 76.43
  - with total mandibulectomy 76.41
- Mastoid cavity 19.9
- Mouth 27.59
- Nipple NEC 85.87
- Nose (total) (with arm flap) (with forehead flap) 21.83
- Ossicles (graft) (prosthesis) NEC 19.3
  - with stapedectomy 19.19
  - tympanoplasty 19.53
- Pelvic floor 71.79
- Penis (rib graft) (skin graft) (myocutaneous flap) 64.44
- Pharynx 29.4
- Scrotum (with pedicle flap) (with rotational flap) 61.49
- Skin (plastic) (without graft) NEC 86.89
  - with graft -- see Graft, skin
- Subcutaneous tissue (plastic) (without skin graft) NEC 86.89
  - with graft -- see Graft, skin
- Tendon pulley (with graft) (with local tissue) 83.83
  - for opponensplasty 82.71
  - Hand 82.71
- Thigh (osteoplastics) (with bone graft) (with skin graft) 82.69
- Trachea (with graft) 31.75
- Umbilicus 53.49
- Ureteropelvic junction 55.87
- Urethra 58.46
- Vagina 70.62
- Vas deferens, surgically divided 63.82

#### Redo contour, gingiva 24.2

#### Recreational therapy 93.81

#### Rectectomy--see also Resection, rectum 48.69

#### Rectopexy (Delorme) 48.76

#### Rectoplasty 48.79

#### Rectorectostomy 48.74

#### Rectorrhaphy 48.71

#### Rectosigmoidectomy -- see also Resection, rectum 48.69

#### Rectosigmoidostomy 45.94

#### Rectotomy 48.1

#### Red cell survival studies 92.05

#### Reduction

- Adipose tissue 86.83
- Batwing arms 86.83
- Breast (bilateral) 85.32
  - Unilateral 85.31
- Bulbous tuberosities (mandible) (maxilla) (fibrous) (osseous) 24.31
- Buttocks 86.83
- Diastasis, ankle mortise (closed) 79.77
  - Open 79.87
- Dislocation (of joint) (manipulation) (with cast) (with splint) (with traction device) (closed) 79.70
  - With fracture -- see Reduction, fracture, by site
  - Ankle (closed) 79.77
    - Open 79.87
  - Elbow (closed) 79.72
    - Open 79.82
  - Finger (closed) 79.74
    - Open 79.84
  - Foot (closed) 79.78
    - Open 79.88
  - Hand (closed) 79.74
    - Open 79.84
  - Hip (closed) 79.75
    - Open 79.85
  - Knee (closed) 79.76
    - Open 79.86
  - Open (with external fixation) (with internal fixation) 79.80
  - Specified site NEC 79.89
  - Shoulder (closed) 79.71
    - Open 79.81
  - Specified site (closed) NEC 79.79
    - Open 79.89
  - Temporomandibular (closed) 76.93
    - Open 76.94
  - Toe (closed) 79.78
    - Open 79.88
  - Wrist (closed) 79.73
    - Open 79.83
- Elephantiasis, scrotum 61.3
- Epistaxis -- see also Control, epistaxis 21.00
- Fracture (bone) (with cast) (with splint) (with traction device) (closed) 79.00
  - With internal fixation 79.10
  - Alveolar process (with stabilization of teeth) (mandible) (closed) 76.75
    - Open 76.77
  - Maxilla (closed) 76.73
    - Open 76.77
  - Open 76.77
  - Ankle -- see Reduction, fracture, leg
  - Arm (closed) NEC 79.02
    - With internal fixation 79.12
    - Open 79.22
    - With internal fixation 79.32
  - Blow-out -- see Reduction, fracture, orbit
  - Carpal, metacarpal (closed) 79.03
    - With internal fixation 79.13
    - Open 79.23
    - With internal fixation 79.33
Reduction-fracture --Cont.
epiphysis -- see Reduction, separation
facial (bone) NEC 76.70
closed 76.78
open 76.79
femur (closed) 79.05
with internal fixation 79.15
open 79.25
with internal fixation 79.35
fibula (closed) 79.06
with internal fixation 79.16
open 79.26
with internal fixation 79.36
foot (closed) NEC 79.07
with internal fixation 79.17
open 79.27
with internal fixation 79.37
hand (closed) NEC 79.03
with internal fixation 79.13
open 79.23
with internal fixation 79.33
humerus (closed) 79.01
with internal fixation 79.11
open 79.21
with internal fixation 79.31
jaw (lower) -- see also Reduction, fracture, mandible
upper--see Reduction,fracture,maxilla
larynx 31.64
leg (closed) NEC 79.06
with internal fixation 79.16
open 79.26
with internal fixation 79.36
malar (closed) 76.71
open 76.72
mandible(with dental wiring)(closed) 76.75
open 76.76
maxilla(with dental wiring)(closed) 76.73
open 76.74
nasal (closed) 21.71
open 21.72
open 79.20
with internal fixation 79.30
specified site NEC 79.29
with internal fixation 79.39
orbit (rim) (wall) (closed) 76.78
open 76.79
patella(open)(with internal fixation) 79.36
phalanges
foot (closed) 79.08
with internal fixation 79.18
open 79.28
with internal fixation 79.38
hand (closed) 79.04
with internal fixation 79.14
open 79.24
with internal fixation 79.34
Reduction-fracture --Cont.
radius (closed) 79.02
with internal fixation 79.12
open 79.22
with internal fixation 79.32
skull 02.02
specified site (closed) NEC 79.09
with internal fixation 79.19
open 79.29
with internal fixation 79.39
spine 03.53
tarsal, metatarsal (closed) 79.07
with internal fixation 79.17
open 79.27
with internal fixation 79.37
tibia (closed) 79.06
with internal fixation 79.16
open 79.26
with internal fixation 79.36
ulna (closed) 79.02
with internal fixation 79.12
open 79.22
with internal fixation 79.32
vertebra 03.53
zygoma, zygomatic arch (closed) 76.71
open 76.72
fracture dislocation--see Reduction,fracture
heart volume 37.35
hemorrhoids (manual) 49.41
hernia -- see also Repair, hernia
manual 96.27
intussusception (open) 46.80
with
fluoroscopy 96.29
ionizing radiation enema 96.29
ultrasonography guidance 96.29
hydrostatic 96.29
large intestine 46.82
endoscopic (balloon) 46.85
pneumatic 96.29
small intestine 46.81
lung volume 32.22
biologic lung volume reduction (BLVR)
- see category 33.7
malrotation,intestine(manual)(surgical)
46.80
large 46.82
endoscopic (balloon) 46.85
small 46.81
mammoplasty (bilateral) 85.32
unilateral 85.31
prolapse
anus (operative) 49.94
colostomy (manual) 96.28
enterostomy (manual) 96.28
ileostomy (manual) 96.28
rectum (manual) 96.26
Reduction - prolapse --Cont.
uterus
  by pessary 96.18
  surgical 69.22
ptosis overcorrection 08.37
retroversion, uterus by pessary 96.18
separation, epiphysis (with internal fixation)
  (closed) 79.40
  femur (closed) 79.45
  open 79.55
fibula (closed) 79.46
  open 79.56
humerus (closed) 79.41
  open 79.51
  open 79.50
specified site (closed) NEC -- see also
  category 79.4
  open -- see category 79.5
  tibia (closed) 79.46
  open 79.56
size
abdominal wall (adipose) (pendulous) 86.83
arms (adipose) (batwing) 86.83
breast (bilateral) 85.32
  unilateral 85.31
buttocks (adipose) 86.83
finger (macrodactyly repair) 82.83
skin 86.83
subcutaneous tissue 86.83
  thighs (adipose) 86.83
torsion
intestine (manual) (surgical) 46.80
  large 46.82
  endoscopic (balloon) 46.85
  small 46.81
kidney pedicle 55.84
omentum 54.74
spermatic cord 63.52
  with orchiopexy 62.5
  testis 63.52
  with orchiopexy 62.5
uterus NEC 69.98
  gravid 75.99
ventricular 37.35
volvulus
intestine 46.80
  large 46.82
  endoscopic (balloon) 46.85
  small 46.81
  stomach 44.92
Reefing, joint capsule -- see also
  Arthroplasty 81.96
Re-entry operation (aorta) 39.54
Re-establishment, continuity
-- see also Anastomosis
bowel 46.50
  fallopian tube 66.79
  vas deferens 63.82
Referral (for)
  psychiatric aftercare (halfway house)
    (outpatient clinic) 94.52
  psychotherapy 94.51
  rehabilitation
    alcoholism 94.53
    drug addiction 94.54
    psychologic NEC 94.59
    vocational 94.55
Reformation
  cardiac pacemaker pocket, new site (skin)
    (subcutaneous) 37.79
  cardioverter/defibrillator (automatic) pocket,
    new site (skin) (subcutaneous) 37.99
  chamber of eye 12.99
Refracture
  bone (for faulty union) --see also Osteoclasis
    78.70
  nasal bones 21.88
Refusion
  spinal, NOS 81.30
    atlas-axis (anterior) (transoral)
      (posterior) 81.31
    cervical (C2 level or below) NEC 81.32
      anterior (interbody), anterolateral
techinque 81.32
      C1-C2 level (anterior)(posterior) 81.31
      posterior (interbody), posterolateral
techinque 81.33
    cranioiervical
      (anterior)(transoral)(posterior) 81.31
    dorsal, dorsolumbar NEC 81.35
      anterior (interbody), anterolateral
techinque 81.34
      posterior (interbody) posterolateral
techinque 81.35
    lumbar, lumbosacral NEC 81.38
      anterior (interbody), anterolateral
techinque 81.36
      anterior lumbar interbody fusion (ALIF)
        81.36
      lateral transverse process technique
        81.37
      posterior (interbody), posterolateral
techinque 81.38
      posterior lumbar interbody fusion
        (PLIF) 81.38
      transforaminal lumbar interbody
        fusion (TLIF) 81.38
    number of vertebrae
      - see codes 81.62 - 81.64
      occiput-C2 (anterior) (transoral) (posterior)
        81.31
      refusion NEC 81.39

Note: Also use either 81.62, 81.63, or 81.64
as an additional code to show the total
number of vertebrae fused
Regional blood flow study 92.05
Regulation, menstrual 69.6
Rehabilitation programs NEC 93.89
  alcohol 94.61
    with detoxification 94.63
  combined alcohol and drug 94.67
    with detoxification 94.69
  drug 94.64
    with detoxification 94.66
  combined drug and alcohol 94.67
    with detoxification 94.69
  sheltered employment 93.85
  vocational 93.85
Reimplantation
  adrenal tissue (heterotopic) (orthotopic) 07.45
  artery 39.59
    renal, aberrant 39.55
  bile ducts following excision of ampulla of Vater 51.62
  extremity -- see Reattachment, extremity fallopian tube into uterus 66.74
  kidney 55.61
  lung 33.5
  ovary 65.72
    laparoscopic 65.75
  pancreatic tissue 52.81
  parathyroid
    tissue(heterotopic)(orthotopic) 06.95
  pulmonary artery for hemitruncus repair 35.83
  renal vessel, aberrant 39.55
  testis in scrotum 62.5
  thyroid tissue (heterotopic) (orthotopic) 06.94
  tooth 23.5
  ureter into bladder 56.74
Reinforcement -- see also Repair, by site
  sclera NEC 12.88
    with graft 12.87
Reinsertion -- see also Insertion or Revision
  cystostomy tube 59.94
  fixation device (internal) -- see also
    Fixation, bone, internal 78.50
  heart valve (prosthetic) 35.95
  Holter (-Spitz) valve 02.42
  implant (expelled) (extruded)
    eyeball (with conjunctival graft) 16.62
    orbital 16.62
  nephrostomy tube 55.93
  pyelostomy tube 55.94
  ureteral stent (transurethral) 59.8
    with ureterotomy 59.8 [56.2]
    ureterostomy tube 59.93
  valve
    heart (prosthetic) 35.95
    ventricular (cerebral) 02.42
Relaxation -- see also Release training 94.33
Release
  carpal tunnel (for nerve decompression) 04.43
  celiac artery axis 39.91
  central slip, extensor tendon hand (mallet finger repair) 82.84
  chordree 64.42
  clubfoot NEC 83.84
  de Quervain's tenosynovitis 82.01
  Dupuytren's contracture (by palmar fasciectomy) 82.35
  by fasciectomy (subcutaneous) 82.12
  with excision 82.35
  Fowler (mallet finger repair) 82.84
  joint (capsule) (adherent) (constrictive)
    -- see also Division, joint capsule 80.40
  laryngeal 31.92
  ligament --see also Division, ligament 80.40
    median arcuate 39.91
  median arcuate ligament 39.91
  muscle (division) 83.19
    hand 82.19
  nerve (peripheral) NEC 04.49
    cranial NEC 04.42
  trigeminal 04.41
  pressure, intraocular 12.79
  scar tissue
    skin 86.84
    stoma -- see Revision, stoma
  tarsal tunnel 04.44
  tendon 83.13
    hand 82.11
      extensor, central slip (repair mallet finger) 82.84
      sheath 83.01
    hand 82.01
  tenosynovitis 83.01
  abductor pollicis longus 82.01
  de Quervain's 82.01
  external pollicis brevis 82.01
  hand 82.01
  torsion
    intestine 46.80
      large 46.82
        endoscopic (balloon) 46.85
      small 46.81
    kidney pedicle 55.84
    ovary 65.95
    testes 63.52
  transverse carpal ligament (for nerve decompression) 04.43
  trigger finger or thumb 82.01
  urethral stricture 58.5
  Volkman's contracture
    excision of scar, muscle 83.32
    fasciectomy 83.14
    muscle transplantation 83.77
  web contracture (skin) 86.84
Relief -- see Release

Relocation -- see also Revision
  cardiac device (CRT-D) (CRT-P)(defibrillator)
  (pacemaker) pocket, new site (skin)
  (subcutaneous) 37.79
  CRT-D pocket  37.79
  CRT-P pocket  37.79
  subcutaneous device pocket NEC 86.09

Remobilization
  joint 93.16
  stapes 19.0

Remodel
  ventricle 37.35

Removal -- see also Excision
  Abrams bar (chest wall) 34.01
  abscess -- see Incision, by site
  adenoid tag(s) 28.6
  anal sphincter
    with revision 49.75
    without revision 49.76
  arch bars (orthodontic) 24.8
  immobilization device 97.33
  arterial graft or prosthesis 39.49
  arteriovenous shunt (device) 39.43
    with creation of new shunt 39.42
  Barton's tongs (skull) 02.95
    with synchronous replacement 02.94
  bladder sphincter, artificial 58.99
    with replacement 58.93
  blood clot -- see also Incision, by site
  bladder (by incision) 57.19
    without incision 57.0
  kidney (without incision) 56.0
    by incision 55.01
  ureter
    by incision 56.2
  bone fragment (chip) -- see also Incision,
    bone 77.10
    joint -- see also Arthrotomy 80.10
    necrotic -- see also Sequestrectomy,
    bone 77.00
  joint -- see also Arthrotomy 80.10
    skull 01.25
    with debridement compound fracture 02.02
  bone growth stimulator--see category 78.6
  bony spicules, spinal canal 03.53
  brace 97.88
  breast implant 85.94
  tissue expander 85.96
  bronchial device or substance
    endoscopic 33.78
  calcareous deposit
    bursa 83.03
    hand 82.03
    tendon, intratendinous 83.39
    hand 82.29

Removal --Cont.
  calcification, heart valve leaflets -- see
    Valvuloplasty,heart
  calculus
    bile duct (by incision) 51.49
      endoscopic 51.88
      laparoscopic 51.88
      percutaneous 51.98
    bladder (by incision) 57.19
      without incision 57.0
    common duct (by incision) 51.41
      endoscopic 51.88
      laparoscopic 51.88
      percutaneous 51.96
    gallbladder 51.04
      endoscopic 51.88
      laparoscopic 51.88
    kidney (by incision) 55.01
      without incision (transurethral) 56.0
      percutaneous 55.03
      with fragmentation (ultrasound) 55.04
    renal pelvis (by incision) 55.11
      percutaneous nephrostomy 55.03
      with fragmentation 55.04
    transurethral 56.0
  lacrimal
    canaliculi 09.42
      by incision 09.52
    gland 09.3
      by incision 09.0
    passage(s) 09.49
      by incision 09.59
  punctum 09.41
    by incision 09.51
  sac 09.49
    by incision 09.53
  pancreatic duct (by incision) 52.09
    endoscopic 52.94
  perirenal tissue 59.09
  pharynx 29.39
  prostate 60.0
  salivary gland (by incision) 26.0
    by probe 26.91
  ureter (by incision) 56.2
    without incision 56.0
  urethra (by incision) 58.0
    without incision 58.6
  caliper tongs (skull) 02.95

Cannula
  for extracorporeal membrane oxygenation (ECMO) -- omit code
  cardiac pacemaker (device) (initial)
    (permanent)(cardiac resynchronization
device,CRT-P) 37.89
Removal -cardiac pacemaker ---Cont.
with replacement (by)
cardiac resynchronization pacemaker (CRT-P)
device only 00.53
total system 00.50
dual chamber device 37.87
single-chamber device 37.85
rate responsive 37.86
cardioverter/defibrillator pulse generator without replacement (cardiac resynchronization defibrillator device (CRT-D)) 37.79
cast 97.88
with reapplication 97.13
lower limb 97.12
upper limb 97.11
catheter (indwelling) --see also Removal, tube
bladder 97.64
cranial cavity 01.27
middle ear (tympanum) 20.1
ureter 97.62
urinary 97.64
ventricular (cerebral) 02.43
with synchronous replacement 02.42
cerclage material, cervix 69.96
cerumen, ear 96.52
corneal epithelium 11.41
for smear or culture 11.21
coronary artery obstruction (thrombus) 36.09
direct intracoronary artery infusion 36.04
open cutaneous transluminal (balloon) 36.03
percutaneous transluminal (balloon) 36.05
with thrombolytic agent infusion 36.02
multiple vessels 36.05
Crutchfield tongs (skull) 02.95
with synchronous replacement 02.94
cyst -- see also Excision, lesion, by site
dental 24.4
lungs 32.29
endoscopic 32.28
cystic duct remnant 51.61

Removal---Cont.
decidua (by)
aspiration curettage 69.52
curettage (D and C) 69.02
manual 75.4
dental wiring (immobilization device) 97.33
orthodontic 24.8
device (therapeutic) NEC 97.89
abdomen NEC 97.86
bronchus 33.78
valve 33.78
digestive system NEC 97.59
drainage -- see Removal, tube
external fixation device 97.88
mandibular NEC 97.36
minifixator (bone) --see category 78.6
for musculoskeletal immobilization NEC 97.88
genital tract NEC 97.79
head and neck NEC 97.39
intrauterine contraceptive 97.71
spine 80.09
thorax NEC 97.49
trunk NEC 97.87
urinary system NEC 97.69
diaphragm, vagina 97.73
drainage device -- see Removal, tube
dye, spinal canal 03.31
ectopic fetus (from) 66.02
abdominal cavity 74.3
extaperitoneal (intraligamentous) 74.3
falloplian tube (by salpingostomy) 66.02
by salpingotomy 66.01
with salpingectomy 66.62
intraligamentous 74.3
ovarian 74.3
peritoneal (following uterine or tubal rupture) 74.3
site NEC 74.3
tubal (by salpingostomy) 66.02
by salpingotomy 66.01
with salpingectomy 66.62
electrodes
bone growth stimulator--see category 78.6
brain 01.22
depth 01.22
with synchronous replacement 02.93
forehead ovale 01.22
with synchronous replacement 02.93
sphenoid -- omit code
with synchronous replacement 02.96
cardiac pacemaker (atrial) (transvenous)
(ventricular) 37.77
with replacement 37.76
depth 01.22
with synchronous replacement 02.93
Removal – electrodes --Cont.
epicardial (myocardial) 37.77
with replacement (by)
atrial and/or ventricular lead(s)
(electrode) 37.76
epicardial lead 37.74
epidural pegs 01.22
with synchronous replacement 02.93
foramen ovale 01.22
with synchronous replacement 02.93
gastric 04.93
with synchronous replacement 04.92
intracranial 01.22
with synchronous replacement 02.93
peripheral nerve 04.93
with synchronous replacement 04.92
sacral nerve 04.93
sphenoidal -- omit code
with synchronous replacement 02.96
spinal 03.94
with synchronous replacement 03.93
temporary transvenous pacemaker system -- omit code

electroencephalographic receiver (brain)
(intracranial) 01.22
with synchronous replacement 02.93
electronic stimulator - see Removal, neurostimulator, by site
bladder 57.98
bone 78.6
skeletal muscle 83.93
with synchronous replacement 83.92
ureter 56.94

external fixation device 97.88
mandibular NEC 78.60
minifixator (bone) -- see category 78.6
extraterine embryo -- see Removal, ectopic fetus
eyeball 16.49
with implant 16.42
with attachment of muscles 16.41
fallopian tube -- see Salpingectomy
fetus, ectopic -- see Removal, ectopic fetus
fingers, supernumerary 86.26
fixation device
external 97.88
mandibular NEC 78.60
minifixator (bone) --see category 78.6
internal 78.60
carpal, metacarpal 78.64
clavicle 78.61
facial (bone) 76.97
femur 78.65
fibula 78.67
humerus 78.62
patella 78.66
pelvic 78.69
phalanges (foot) (hand) 78.69
radius 78.63
scapula 78.61
specified site NEC 78.69
tarsal, metatarsal 78.68
thorax (ribs) (sternum) 78.61
tibia 78.67
ulna 78.63
vertebrae 78.69
foreign body NEC -- see also Incision, by site 98.20
abdominal (cavity) 54.92
wall 54.0
adenoid 98.13
by incision 28.91
alveolus, alveolar bone 98.22
by incision 24.0
antecubital fossa 98.27
by incision 86.05
anterior chamber 12.00
by incision 12.02
with use of magnet 12.01

Removal – embolus --Cont.
lower limb
artery 38.08
vein 38.09
pulmonary (artery) (vein) 38.05
thoracic vessel NEC 38.05
upper limb (artery) (vein) 38.03
embryo -- see Removal, ectopic fetus
encircling tube, eye (episcleral) 14.6
epithelial downgrowth, anterior chamber 12.93
external fixation device 97.88
mandibular NEC 78.60
minifixator (bone) -- see category 78.6
extrauterine embryo -- see Removal, ectopic fetus
eyeball 16.49
with implant 16.42
with attachment of muscles 16.41
fallopian tube -- see Salpingectomy
fetus, ectopic -- see Removal, ectopic fetus
fingers, supernumerary 86.26
fixation device
external 97.88
mandibular NEC 78.60
minifixator (bone) --see category 78.6
internal 78.60
carpal, metacarpal 78.64
clavicle 78.61
facial (bone) 76.97
femur 78.65
fibula 78.67
humerus 78.62
patella 78.66
pelvic 78.69
phalanges (foot) (hand) 78.69
radius 78.63
scapula 78.61
specified site NEC 78.69
tarsal, metatarsal 78.68
thorax (ribs) (sternum) 78.61
tibia 78.67
ulna 78.63
vertebrae 78.69
foreign body NEC -- see also Incision, by site 98.20
abdominal (cavity) 54.92
wall 54.0
adenoid 98.13
by incision 28.91
alveolus, alveolar bone 98.22
by incision 24.0
antecubital fossa 98.27
by incision 86.05
anterior chamber 12.00
by incision 12.02
with use of magnet 12.01
Removal -foreign body ---Cont.
  anus (intraluminal) 98.05
    by incision 49.93
  artificial stoma (intraluminal) 98.18
  auditory canal, external 18.02
  axilla 98.27
    by incision 86.05
  bladder (without incision) 57.0
    by incision 57.19
  bone, except fixation device -- see also
    Incision, bone 77.10
  alveolus, alveolar 98.22
    by incision 24.0
  brain 01.39
    without incision into brain 01.24
  breast 85.0
  bronchus (intraluminal) 98.15
    by incision 33.0
  bursa 83.03
    hand 82.03
  canthus 98.22
    by incision 08.51
  cerebral meninges 01.31
  cervix (intraluminal) NEC 98.16
    penetrating 69.97
  choroid (by incision) 14.00
    with use of magnet 14.01
    without use of magnet 14.02
  ciliary body (by incision) 12.00
    with use of magnet 12.01
    without use of magnet 12.02
  conjunctiva (by magnet) 98.22
    by incision 10.0
  cornea 98.21
    by
      incision 11.1
      magnet 11.0
  duodenum 98.03
    by incision 45.01
  ear (intraluminal) 98.11
    with incision 18.09
  epididymis 63.92
  esophagus (intraluminal) 98.02
    by incision 42.09
  extrapleural (by incision) 34.01
  eye, eyeball (by magnet) 98.21
    anterior segment (by incision) 12.00
      with use of magnet 12.01
      without use of magnet 12.02
    posterior segment (by incision) 14.00
      with use of magnet 14.01
      without use of magnet 14.02
    superficial 98.21
  eyelid 98.22
    by incision 08.09
  fallopian tube
    by salpingostomy 66.02
    by salpingotomy 66.01

Removal -foreign body ---Cont.
  fascia 83.09
    hand 82.09
  foot 98.28
  gall bladder 51.04
  groin region (abdominal wall) (inguinal) 54.0
  gum 98.22
    by incision 24.0
  hand 98.26
  head and neck NEC 98.22
  heart 37.11
  internal fixation device -- see Removal,
    fixation device, internal
  intestine
    by incision 45.00
  large (intraluminal) 98.04
    by incision 45.03
  small (intraluminal) 98.03
    by incision 45.02
  intraocular (by incision) 12.00
    with use of magnet 12.01
    without use of magnet 12.02
  iris (by incision) 12.00
    with use of magnet 12.01
    without use of magnet 12.02
  joint structures -- see also Arthrotomy 80.10
  kidney (transurethral) (by endoscopy) 56.0
    by incision 55.01
  pelvis (transurethral) 56.0
    by incision 55.11
  labia 98.23
    by incision 71.09
  lacrimal
    canaliculi 09.42
      by incision 09.52
    gland 09.3
      by incision 09.0
    passage(s) 09.49
      by incision 09.59
    punctum 09.41
      by incision 09.51
    sac 09.49
      by incision 09.53
  large intestine (intraluminal) 98.04
    by incision 45.03
  larynx (intraluminal) 98.14
    by incision 31.3
  lens 13.00
    by incision 13.02
      with use of magnet 13.01
  liver 50.0
  lower limb, except foot 98.29
    foot 98.28
  lung 33.1
  mediastinum 34.1
Removal - foreign body ---Cont.

meninges (cerebral) 01.31
spinal 03.01
mouth (intraluminal) 98.01
    by incision 27.92
muscle 83.02
hand 82.02
nasal sinus 22.50
    antrum 22.2
    with Caldwell-Luc approach 22.39
ethmoid 22.51
frontal 22.41
maxillary 22.2
    with Caldwell-Luc approach 22.39
sphenoid 22.52
nerve (cranial) (peripheral) NEC 04.04
    root 03.01
nose (intraluminal) 98.12
    by incision 21.1
oral cavity (intraluminal) 98.01
    by incision 27.92
orbit (by magnet) 98.21
    by incision 16.1
palate (penetrating) 98.22
    by incision 27.1
pancreas 52.09
penis 98.24
    by incision 64.92
pericardium 37.12
perineum (female) 98.23
    by incision 71.09
    male 98.25
    by incision 86.05
perirenal tissue 59.09
peritoneal cavity 54.92
perivesical tissue 59.19
pharynx (intraluminal) 98.13
    by pharyngotomy 29.0
pleura (by incision) 34.09
popliteal space 98.29
    by incision 86.05
rectum (intraluminal) 98.05
    by incision 48.0
renal pelvis (transurethral) 56.0
    by incision 56.1
retina (by incision) 14.00
    with use of magnet 14.01
    without use of magnet 14.02
retroperitoneum 54.92
sclera (by incision) 12.00
    with use of magnet 12.01
    without use of magnet 12.02
scrotum 98.24
    by incision 61.0
sinus (nasal) 22.50
    antrum 22.2
    with Caldwell-Luc approach 22.39
ethmoid 22.51
Removal - foreign body - sinus --Cont.
    frontal 22.41
    maxillary 22.2
    with Caldwell-Luc approach 22.39
    sphenoid 22.52
    skin NEC 98.20
    by incision 86.05
    skull 01.24
    with incision into brain 01.39
    small intestine (intraluminal) 98.03
    by incision 45.02
    soft tissue NEC 83.09
    hand 82.09
    spermatic cord 63.93
    spinal (canal) (cord) (meninges) 03.01
    stomach (intraluminal) 98.03
    bubble (balloon) 44.94
    by incision 43.0
    subconjunctival (by magnet) 98.22
    by incision 10.0
    subcutaneous tissue NEC 98.20
    by incision 86.05
    supraclavicular fossa 98.27
    by incision 86.05
    tendon (sheath) 83.01
    hand 82.01
testis 62.0
thorax (by incision) 34.09
thyroid (field) (gland) (by incision) 06.09
tonsil 98.13
    by incision 28.91
trachea (intraluminal) 98.15
    by incision 31.3
trunk NEC 98.25
tunica vaginalis 98.24
upper limb, except hand 98.27
    hand 98.26
ureter (transurethral) 56.0
    by incision 56.2
urethra (intraluminal) 98.19
    by incision 58.0
uterus (intraluminal) 98.16
vagina (intraluminal) 98.17
    by incision 70.14
testis 62.0
vas deferens 63.6
vitreous (by incision) 14.00
    with use of magnet 14.01
    without use of magnet 14.02
vulva 98.23
    by incision 71.09
gallstones
    bile duct (by incision) NEC 51.49
    endoscopic 51.88
    common duct (by incision) 51.41
    endoscopic 51.88
    percutaneous 51.96
duodenum 45.01
Removal - gallstones --- Cont.
gallbladder 51.04
endoscopic 51.88
laparoscopic 51.88
hepatic ducts 51.49
endoscopic 51.88
intestine 45.00
large 45.03
small NEC 45.02
liver 50.0
Gardner Wells tongs (skull) 02.95
with synchronous replacement 02.94
gastric band (adjustable), laparoscopic 44.97
gastric bubble (balloon) 44.94
granulation tissue -- see also Excision, lesion, by site
with repair -- see Repair, by site cranial 01.6
skull 01.6
halo traction device (skull) 02.95
with synchronous replacement 02.94
heart assist system
with replacement 37.63
intra-aortic balloon pump (IABP) 97.44
nonoperative 97.44
open removal 37.64
percutaneous external device 97.44
hematoma -- see Drainage, by site
Hoffman minifixator device (bone)
-- see category 78.6
hydatidiform mole 68.0
impacted
feces (rectum) (by flushing) (manual) 96.33
tooth 23.19
from nasal sinus (maxillary) 22.61
implant
breast 85.94
cochlear prosthetic device 20.99
cornea 11.92
lens (prosthetic) 13.8
middle ear NEC 20.99
ocular 16.71
posterior segment 14.6
orbit 16.72
retina 14.6
tympanum 20.1
implantable hemodynamic sensor (lead)
and monitor device 37.79
internal fixation device -- see Removal, fixation device, internal
intra-aortic balloon pump (IABP) 97.44
intraterine contraceptive device (IUD) 97.71
joint (structure) NOS 80.90
ankle 80.97
elbow 80.92
foot and toe 80.98
hand and finger 80.94

Removal - joint --- Cont.
hip 80.95
knee 80.96
other specified sites 80.99
shoulder 80.91
spine 80.99
toe 80.98
wrist 80.93
Kantrowitz heart pump 37.64
nonoperative 97.44
keel (tantalum plate), larynx 31.98
kidney -- see also Nephrectomy
mechanical 55.98
transplanted or rejected 55.53
laminaria (tent), uterus 97.79
leads (cardiac) -- see Removal, electrodes, cardiac pacemaker
lesion -- see Excision, lesion, by site
ligamentum flavum (spine) -- omit code
ligature
fallopian tube 66.79
ureter 56.86
vas deferens 63.84
limb lengthening device, internal
-- see category 78.6
loop recorder 86.05
loose body
bone -- see Sequestrectomy, bone
joint 80.10
mesh (surgical) -- see Removal, foreign body, by site
lymph node -- see Excision, lymph, node
minifixator device (bone)
-- see category 78.6
external fixation device 97.88
Mulligan hood, fallopian tube 66.94
with synchronous replacement 66.93
muscle stimulator (skeletal) 83.93
with replacement 83.92
myringotomy device or tube 20.1
nail (bed) (fold) 86.23
internal fixation device -- see Removal, fixation device, internal
necrosis
skin 86.28
excisional 86.22
neuropacemaker - see Removal, neurostimulator, by site
neurostimulator
electrodes
brain 01.22
with synchronous replacement 02.93
gastric 04.93
with synchronous replacement 04.92
intracranial 01.22
with synchronous replacement 02.93
peripheral nerve 04.93
with synchronous replacement 04.92
**ICD-9-CM INDEX TO PROCEDURES (FY07)**

### Removal

- **removal – neurostimulator electrodes --cont.**
  - sacral nerve [04.93]
  - with synchronous replacement [04.92]
  - spinal [03.94]
  - with synchronous replacement [03.93]
  - pulse generator (single array, dual array) [86.05]
  - with synchronous replacement [86.06]
  - dual array [86.95]
  - rechargeable [86.98]
  - single array [86.94]
  - rechargeable [86.97]
- nonabsorbable surgical material NEC
  - -- see Removal, foreign body, by site
- odontoma (tooth) [24.4]
- orbital implant [16.72]
- osteocartilagenous loose body, joint structures --see also Arthrotomy [80.10]
- outer attic wall (middle ear) [20.59]
- ovo-testis (unilateral) [62.3]
- bilateral [62.41]
- pacemaker
  - brain (intracranial) -see Removal, neurostimulator
  - cardiac (device)(initial)(permanent) [37.89]
    - with replacement
      - dual-chamber device [37.87]
      - single-chamber device [37.85]
      - rate responsive [37.86]
    - electrodes (atrial) (transvenous) (ventricular) [37.77]
    - with replacement [37.76]
    - epicardium (myocardium) [37.77]
    - with replacement (by)
      - atrial and/or ventricular lead(s) (electrode) [37.76]
      - epicardial lead [37.74]
    - temporary transvenous pacemaker system -- omit code
- intracranial - see Removal, neurostimulator
- neural - see Removal, neurostimulator
- peripheral nerve - see Removal, neurostimulator
- spinal - see Removal, neurostimulator
- pack, packing
  - dental [97.34]
  - intrauterine [97.72]
  - nasal [97.32]
  - rectum [97.59]
  - trunk NEC [97.85]
  - vagina [97.75]
  - vulva [97.75]
  - pantopaque dye, spinal canal [03.31]
  - patella (complete) [77.96]
  - partial [77.86]
- pectus deformity implant device [34.01]

### Removal --cont.

- pelvic viscera, en masse (female) [68.8]
  - male [57.71]
  - pessary, vagina NEC [97.71]
  - pharynx (partial) [29.33]
  - phlebolith -- see Removal, embolus
  - placenta (by)
    - aspiration curettage [69.52]
    - D and C [69.02]
    - manual [75.4]
  - plaque, dental [96.54]
  - plate, skull [02.07]
  - with synchronous replacement [02.05]
  - polyp -- see also Excision, lesion, by site
    - esophageal [42.32]
    - endoscopic [42.33]
    - gastric (endoscopic) [43.41]
    - intestine [45.41]
    - endoscopic [45.42]
  - nasal [21.31]
  - prosthesis
    - bile duct [51.95]
    - nonoperative [97.55]
    - cochlear prosthetic device [20.99]
    - dental [97.35]
    - eye [97.31]
    - facial bone [76.99]
    - fallopian tube [66.94]
    - with synchronous replacement [66.93]
    - joint structures [80.00]
      - ankle [80.07]
      - elbow [80.02]
      - foot and toe [80.08]
      - hand and finger [80.04]
      - hip [80.05]
      - knee [80.06]
      - shoulder [80.01]
      - specified site NEC [80.09]
      - spine [80.09]
      - wrist [80.03]
    - lens [13.8]
    - penis (internal) without replacement [64.96]
    - Rosen (urethra) [59.99]
    - testicular, by incision [62.0]
    - urinary sphincter, artificial [58.99]
      - with replacement [58.93]
    - pseudophakos [13.8]
    - pterygium [11.39]
      - with corneal graft [11.32]
    - pulse generator
      - cardiac pacemaker [37.86]
      - cardioverter/defibrillator [37.79]
      - neurostimulator - see Removal, neurostimulator, pulse generator
    - pump assist device, heart [37.64]
      - with replacement [37.63]
      - nonoperative [97.44]
Removal---Cont.
radioactive material -- see Removal, foreign body, by site
redundant skin, eyelid 08.86
rejected organ
kidney 55.53
testis 62.42
reservoir, ventricular (Ommaya) (Rickham) 02.43
with synchronous replacement 02.42
retained placenta (by)
aspiration curettage 69.52
D and C 69.02
manual 75.4
retinal implant 14.6
rhinolith 21.31
rice bodies, tendon sheaths 83.01
hand 82.01
Roger-Anderson minifixator device (bone) -- see category 78.6
root, residual (tooth) (buried) (retained) 23.11
Rosen prosthesis (urethra) 59.99
scleral buckle or implant 14.6
Scribner shunt 39.43
secondary membranous cataract (with iridectomy) 13.65
secundines (by)
aspiration curettage 69.52
D and C 69.02
manual 75.4
sequestrum -- see Sequestrectomy
seton, anus 49.93
Shepard's tube (ear) 20.1
Shirodkar suture, cervix 69.96
shunt
arteriovenous 39.43
with creation of new shunt 39.42
lumbar-subarachnoid NEC 03.98
pleurothecal 03.98
salpingothecal 03.98
spinal (thecal) NEC 03.98
subarachnoid-peritoneal 03.98
subarachnoid-ureteral 03.98
silastic tubes
ear 20.1
fallopian tubes 66.94
with synchronous replacement 66.93
skin
necrosis or slough 86.28
excisional 86.22
superficial layer(by dermabrasion) 86.25
skull tongs 02.95
with synchronous replacement 02.94
spacer (cement) (joint) 84.57
splint 97.88

Removal---Cont.
stent
bile duct 97.55
larynx 31.98
ureteral 97.62
urethral 97.65
stimoeceiver -- see Removal, neurostimulator
subdural
grids 01.22
strips 01.22
supernumerary digit(s) 86.26
suture(s) NEC 97.89
abdominal wall 97.83
by incision -- see Incision, by site
genital tract 97.79
head and neck 97.38
thorax 97.43
trunk NEC 97.84
symblepharon -- see Repair, symblepharon
temporary transvenous pacemaker system -- omit code
testis (unilateral) 62.3
bilateral 62.41
remaining or solitary 62.42
thrombus 38.00
with endarterectomy
--see Endarterectomy
abdominal
artery 38.06
vein 38.07
aorta (arch) (ascending) (descending) 38.04
arteriovenous shunt or cannula 39.49
bovine graft 39.49
coronary artery 36.09
head and neck vessel NEC 38.09
intracranial vessel NEC 38.01
lower limb
artery 38.08
vein 38.09
pulmonary (artery) (vein) 38.05
thoracic vessel NEC 38.05
upper limb (artery) (vein) 38.03
tissue expander (skin) NEC 86.05
breast 85.96
toes, supernumerary 86.26
tongs, skull 02.95
with synchronous replacement 02.94
tonsil tag 28.4
tooth (by forceps) (multiple) (single) NEC 23.09
deciduous 23.01
surgical NEC 23.19
impacted 23.19
residual root 23.11
root apex 23.73
with root canal therapy 23.72
trachoma follicles 10.33
### Removal
---Cont.
- T-tube (bile duct) 97.55
- tube
  - appendix 97.53
  - bile duct (T-tube) NEC 97.55
  - cholecystostomy 97.54
  - cranial cavity 01.27
  - cystostomy 97.63
  - ear (button) 20.1
  - gastrostomy 97.51
  - large intestine 97.53
  - liver 97.55
  - mediastinum 97.42
  - nephrostomy 97.61
  - pancreas 97.56
  - peritoneum 97.82
  - pleural cavity 97.41
  - pyelostomy 97.61
  - retroperitoneum 97.81
  - small intestine 97.52
  - thoracotomy 97.37
  - tympanostomy 20.1
  - tympanum 20.1
  - ureteral splint (stent) 97.62
  - ureterostomy 97.62
  - urethral sphincter, artificial 58.99
    with replacement 58.93
  - urinary sphincter, artificial 58.99
    with replacement 58.93
  - utricle 20.79
  - valve
    - vas deferens 63.85
    - ventricular (cerebral) 02.43
  - vascular graft or prosthesis 39.49
  - ventricular shunt or reservoir 02.43
    with synchronous replacement 02.42
  - Vinke tongs (skull) 02.95
    with synchronous replacement 02.94
  - vitreous (with replacement) 14.72
    anterior approach (partial) 14.71
    open sky technique 14.71
  - Wagner-Brooker minifixator device (bone)
    -- see category 78.6
  - wiring, dental (immobilization device) 97.33
  - orthodontic 24.8
- Renipuncture  (percutaneous) 55.92
- Renogram 92.03
- Renotransplantation NEC 55.69
  Note: To report donor source:
  - cadaver 00.93
  - live non-related donor 00.92
  - live related donor 00.91
  - live unrelated donor 00.92

### Reopening
---Cont.
- craniotomy or craniectomy site 01.23
- fallopian tube (divided) 66.79
- iris in anterior chambers 12.97
- laminectomy or laminotomy site 03.02
- laparotomy site 54.12
- osteotomy site -- see also Incision, bone 77.10
- facial bone 76.09
- tarsorrhaphy 08.02
- thoracotomy site (for control of hemorrhage) (for examination) (for exploration) 34.03
- thyroid field wound (for control of hemorrhage) (for examination) (for exploration) (for removal of hematoma) 06.02
- Repacking  -- see Replacement, pack, by site
- Repair
  - abdominal wall 54.72
  - adrenal gland 07.44
  - alveolus, alveolar (process) (ridge)
    (with graft) (with implant) 24.5
  - anal sphincter 49.79
    artificial sphincter implantation 49.75
    revision 49.75
  - laceration (by suture) 49.71
    obstetric (current) 75.62
    old 49.79
  - aneurysm (false) (true) 39.52
    by or with
    - clipping 39.51
    - coagulation 39.52
    - coil (endovascular approach) 39.79
    - head and neck 39.72
    - electrocoagulation 39.52
    - excision or resection of vessel
      -- see also Aneurysmectomy, by site
      with
      - anastomosis
        -- see Aneurysmectomy, with anastomosis, by site
        graft replacement
          -- see Aneurysmectomy, with graft replacement, by site
          endovascular graft 39.79
          abdominal aorta 39.71
          head and neck 39.72
          lower extremity artery(s) 39.79
          thoracic aorta 39.73
          upper extremity artery(s) 39.79
          filipuncture 39.52
          graft replacement -- see Aneurysmectomy, with graft replacement, by site
          ligation 39.52
Repair - aneurysm - by or with --- Cont.
liquid tissue adhesive (glue) 39.79
endovascular approach 39.79
head and neck 39.72
methyl methacrylate 39.52
endovascular approach 39.79
head and neck 39.72
occlusion 39.52
endovascular approach 39.79
head and neck 39.72
suture 39.52
trapping 39.52
wiring 39.52
wrapping (gauze) (methyl methacrylate) (plastic) 39.52
coronary artery 36.91
heart 37.32
sinus of Valsalva 35.39
thoracic aorta (dissecting), by fenestration 39.54
anomalous pulmonary venous connection (total)
one-stage 35.82
partial -- see specific procedure
total 35.82
anus 49.79
laceration (by suture) 49.71
obstetric (current) 75.62
old 49.79
aorta 39.31
aorticopulmonary window 39.59
arteriovenous fistula 39.53
by or with
clipping 39.53
coagulation 39.53
coil (endovascular approach) 39.79
head and neck vessels 39.72
division 39.53
excision or resection -- see also
Aneurysmectomy, by site
with
anastomosis -- see Aneurysmectomy, with anastomosis, by site
graft replacement
-- see Aneurysmectomy, with graft replacement, by site
ligation 39.53
coronary artery 36.99
occlusion 39.53
endovascular approach 39.79
head and neck 39.72
suture 39.53

Repair -- Cont.
artery NEC 39.59
by
abdominal aorta 39.71
endovascular approach
head and neck (embolization or occlusion) 39.72
other repair (of aneurysm) 39.79
percutaneous repair of intracranial vessel(s) (for stent insertion)
00.62

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.

percutaneous repair of precerebral (extracranial) vessel(s) (for stent insertion) 00.61

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 angioplasty or atherectomy

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 00.61
carotid 00.61
femoropopliteal 39.50
iliac 39.50
lower extremity NOS 39.50
mesenteric 39.50
Repair - artery - non coronary PTA --- Cont.
renal 39.50
upper extremity NOS 39.50
vertebral 00.61
with
patch graft 39.58
with excision or resection -- see Arterectomy, with graft replacement, by site
synthetic (Dacron) (Teflon) 39.57
tissue (vein) (autogenous) (homograft) 39.56
suture 39.31
coronary NEC 36.99
by angioplasty -- see Angioplasty, coronary
by atherectomy -- see Angioplasty, coronary
artificial opening -- see Repair, stoma
atrial septal defect 35.71
with
prosthesis (open heart technique) 35.51
closed heart technique 35.52
tissue graft 35.61
combined with repair of valvular and ventricular septal defects -- see Repair, endocardial cushion defect
in total repair of total anomalous pulmonary venous connection 35.82
atrioventricular canal defect (any type) 35.73
with
prosthesis 35.54
tissue graft 35.63
bifid digit (finger) 82.89
bile duct NEC 51.79
laceration (by suture) NEC 51.79
common bile duct 51.71
bladder NEC 57.89
extrophy 57.86
for stress incontinence -- see Repair, stress incontinence
laceration (by suture) 57.81
obstetric (current) 75.61
old 57.89
neck 57.85
blepharophimosis 08.59
blepharoptosis 08.36
by
frontalis muscle technique (with) fascial sling 08.32
suture 08.31
levator muscle technique 08.34
with resection or advancement 08.33
orbicularis oculi muscle sling 08.36
tarsal technique 08.35

Repair --- Cont.
blood vessel NEC 39.59
with
patch graft 39.58
with excision or resection -- see Angiectomy, with graft replacement
synthetic (Dacron) (Teflon) 39.57
tissue (vein) (autogenous) (homograft) 39.56
resection -- see Angiectomy
suture 39.30
coronary artery NEC 36.99
by angioplasty -- see Angioplasty, coronary
by atherectomy -- see Angioplasty, coronary
peripheral vessel NEC 39.59
by angioplasty 39.50

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.

by atherectomy 39.50

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.

by endovascular approach 39.79
bone NEC -- see also Osteoplasty -- see category 78.4
by synostosis technique
-- see Arthrodesis
accessory sinus 22.79
cranium NEC 02.06
with
flap (bone) 02.03
graft (bone) 02.04
for malunion, nonunion, or delayed union of fracture -- see Repair, fracture, malunion or nonunion
nasal 21.89
Repair -bone---Cont.
skull NEC 02.06
with
flap (bone) 02.03
graft (bone) 02.04
bottle, hydrocele of tunica vaginalis 61.2
brain (trauma) NEC 02.92
breast (plastic)--see also Mammaplasty 85.89
broad ligament 69.29
bronchus NEC 33.48
laceration (by suture) 33.41
bunionette (with osteotomy) 77.54
canaliculus, lacrimal 09.73
canthus (lateral) 08.59
cardiac pacemaker NEC 37.89
electrode(s) (lead) NEC 37.75
cardioverter/defibrillator (automatic)
pocket, (skin) (subcutaneous) 37.99
cerebral meninges 02.12
cervix 67.69
internal os 67.59
transabdominal 67.51
transvaginal 67.59
aceration (by suture) 67.61
obstetric (current) 75.51
old 67.69
chest wall (mesh) (silastic) NEC 34.79
choroid NEC 14.9
with retinal repair -- see Repair, retina
cisterna chyli 40.69
claw toe 77.57
cleft
hand 82.82
laryngotraheal 31.69
lip 27.54
palate 27.62
secondary or subsequent 27.63
cocarctation of aorta -- see Excision, coarctation of aorta
cochlear prosthetic device 20.99
external components only 95.49
cockup toe 77.58
coelostomy 46.43
conjunctiva NEC 10.49
with scleral repair 12.81
laceration 10.6
with repair of sclera 12.81
late effect of trachoma 10.49
cornea NEC 11.59
with
 conjunctival flap 11.53
transplant -- see Keratoplasty
postoperative dehiscence 11.52
Repair ---Cont.

eye, eyeball 16.89
multiple structures 16.82
rupture 16.82
socket 16.64
with graft 16.63
eyebrow 08.89
linear 08.81
eyelid 08.89
full-thickness 08.85
involving lid margin 08.84
laceration 08.81
full-thickness 08.85
involving lid margin 08.84
partial-thickness 08.83
involving lid margin 08.82
linear 08.81
partial-thickness 08.83
involving lid margin 08.82
retraction 08.38
fallopian tube (with prosthesis) 66.79
by
reanastomosis 66.79
reimplantation into
ovary 66.72
uterus 66.74
suture 66.71
false aneurysm -- see Repair, aneurysm
fascia 83.89
by or with
arthroplasty -- see Arthroplasty
graft (fascial) (muscle) 83.82
hand 82.72
tendon 83.81
hand 82.79
suture (direct) 83.65
hand 82.46
hand 82.89
by
graft NEC 82.79
fascial 82.72
muscle 82.72
suture (direct) 82.46
joint -- see Arthroplasty
filtering bleb (corneal) (scleral) (by excision) 12.82
by
corneal graft -- see also Keratoplasty
11.60
scleroplasty 12.82
suture 11.51
with conjunctival flap 11.53
ICD-9-CM INDEX TO PROCEDURES (FY07)

Repair - fistula ---Cont.
vesicocutaneous 57.84
vesicoenteric 57.83
vesicointestinal 57.83
vesicometrorectal 57.83
vesicoperineal 57.84
vesicorectal 57.83
vesicosigmoidal 57.83
vesicosigmoidovaginal 57.83
vesicourethral 57.84
vesicourethrolectal 57.83
vesicouterine 57.84
vesicovaginal 57.84
vulva 71.72
vulvoretal 48.73
foramen ovale (patent) 35.71
with
prosthesis (open heart technique) 35.51
closed heart technique 35.52
tissue graft 35.61
fracture -- see also Reduction, fracture
larynx 31.64
malunion or nonunion (delayed) NEC
-- see category 78.4
with
graft -- see Graft, bone
insertion (of)
bone growth stimulator (invasive)
-- see category 78.9
internal fixation device 78.5
manipulation for realignment
-- see Reduction, fracture, by site, closed
osteotomy
with
correction of alignment
-- see category 77.3
with internal fixation device
-- see categories 77.3 [78.5]
with intramedullary rod
-- see categories 77.3 [78.5]
replacement arthroplasty -- see
Arthroplasty
sequestrectomy -- see category 77.0
Sofield type procedure
--see categories 77.3 [78.5]
synostosis technique
-- see Arthrodesis
vertebra 03.53
funnel chest (with implant) 34.74
gallbladder 51.91
gastrocisis 54.71
great vessels NEC 39.59
laceration (by suture) 39.30
artery 39.31
vein 39.32

Repair ---Cont.
hallux valgus NEC 77.59
resection of joint with prosthetic implant
77.59
hammer toe 77.56
hand 82.89
with graft or implant 82.79
fascia 82.72
muscle 82.72
tendon 82.79
heart 37.49
assist system 37.63
septum 35.70
with
prosthesis 35.50
tissue graft 35.60
atrial 35.71
with
prosthesis (open heart technique)
35.51
closed heart technique 35.52
tissue graft 35.61
combined with repair of valvular and ventricular septal defects
-- see Repair, endocardial cushion defect
in total repair of
tetralogy of Fallot 35.81
total anomalous pulmonary venous connection 35.82
truncus arteriosus 35.83
combined with repair of valvular defect
-- see Repair, endocardial cushion defect
ventricular 35.72
with
prosthesis (open heart technique)
35.53
closed heart technique 35.55
tissue graft 35.62
combined with repair of valvular and atrial septal defects -- see Repair, endocardial cushion defect
in total repair of
tetralogy of Fallot 35.81
total anomalous pulmonary venous connection 35.82
truncus arteriosus 35.83
total replacement system 37.52
implantable battery 37.54
implantable controller 37.54
thoracic unit 37.53
transcutaneous energy transfer [TET] device 37.54
Repair – heart  --- Cont.

**valve (cusps) (open heart technique)**

- **35.10**
  - with prosthesis or tissue graft **35.20**
  - aortic (without replacement) **35.11**
  - with prosthesis **35.22**
  - tissue graft **35.21**

combined with repair of atrial and ventricular septal defects
-- see Repair, endocardial cushion defect

mitral (without replacement) **35.12**
with prosthesis **35.24**
tissue graft **35.23**

pulmonary (without replacement)
- **35.13**
  - with prosthesis **35.26**
  - in total repair of tetralogy of Fallot **35.81**
tissue graft **35.25**
tricuspid (without replacement)
- **35.14**
  - with prosthesis **35.28**
tissue graft **35.27**

hepatic duct **51.79**

hernia NEC **53.9**

anterior abdominal wall NEC **53.59**
with prosthesis or graft **53.69**

colecystectomy **46.42**
crural **53.29**
cul-de-sac (Douglas') **70.92**
diaphragmatic
  - abdominal approach **53.7**
  - thoracic, thoracoabdominal approach **53.80**
epigastric **53.59**
with prosthesis or graft **53.69**
esophageal hiatus
abdominal approach **53.7**
thoracic, thoracoabdominal approach **53.80**
fascia **83.89**
hand **82.89**
femoral (unilateral) **53.29**
  - with prosthesis or graft **53.21**
  - bilateral **53.39**
  - with prosthesis or graft **53.31**
Ferguson **53.00**
Halsted **53.00**
Hill-Allison (hiatal hernia repair, transpleural approach) **53.80**
hypogastric **53.59**
with prosthesis or graft **53.69**
incisional **53.51**
with prosthesis or graft **53.61**
<table>
<thead>
<tr>
<th>Repair ---Cont.</th>
<th>Repair ---Cont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>hydrocele</td>
<td>lymphatic (channel) (peripheral) NEC 40.9</td>
</tr>
<tr>
<td>round ligament 69.19</td>
<td>duct, left (thoracic) NEC 40.69</td>
</tr>
<tr>
<td>spermatic cord 63.1</td>
<td>macrodactyly 82.83</td>
</tr>
<tr>
<td>tunica vaginalis 61.2</td>
<td>mallet finger 82.84</td>
</tr>
<tr>
<td>hymen 70.76</td>
<td>mandibular ridge 76.64</td>
</tr>
<tr>
<td>hypospadias 58.45</td>
<td>mastoid (antrum) (cavity) 19.9</td>
</tr>
<tr>
<td>ileostomy 46.41</td>
<td>meninges (cerebral) NEC 02.12</td>
</tr>
<tr>
<td>ingrown toenail 86.23</td>
<td>spinal NEC 03.59</td>
</tr>
<tr>
<td>intestine, intestinal NEC 46.79</td>
<td>meningocele 03.51</td>
</tr>
<tr>
<td>fistula -- see Closure, fistula, intestine laceration</td>
<td>myelomeningocele 03.52</td>
</tr>
<tr>
<td>large intestine 46.75</td>
<td>meningocele (spinal) 03.51</td>
</tr>
<tr>
<td>small intestine NEC 46.73</td>
<td>cranial 02.12</td>
</tr>
<tr>
<td>stoma -- see Repair, stoma</td>
<td>mesentery 54.75</td>
</tr>
<tr>
<td>inverted uterus NEC 69.29</td>
<td>mouth NEC 27.59</td>
</tr>
<tr>
<td>manual nonobstetric 69.94</td>
<td>laceration NEC 27.52</td>
</tr>
<tr>
<td>obstetric 75.94</td>
<td>muscle NEC 83.87</td>
</tr>
<tr>
<td>obstetrical manual 75.94</td>
<td>by graft or implant (fascia) (muscle) 83.82</td>
</tr>
<tr>
<td>surgical 75.93</td>
<td>hand 82.72</td>
</tr>
<tr>
<td>vaginal approach 69.23</td>
<td>tendon 83.81</td>
</tr>
<tr>
<td>iris (rupture) NEC 12.39</td>
<td>hand 82.79</td>
</tr>
<tr>
<td>jejunostomy 46.41</td>
<td>suture (direct) 83.65</td>
</tr>
<tr>
<td>joint (capsule) (cartilage) NEC -- see also Arthroplasty 81.96</td>
<td>hand 82.46</td>
</tr>
<tr>
<td>kidney NEC 55.89</td>
<td>transfer or transplantation (muscle) 83.77</td>
</tr>
<tr>
<td>knee (joint) NEC 81.47</td>
<td>hand 82.58</td>
</tr>
<tr>
<td>collateral ligaments 81.46</td>
<td>by graft or implant NEC 82.79</td>
</tr>
<tr>
<td>cruciate ligaments 81.45</td>
<td>fascia 82.72</td>
</tr>
<tr>
<td>five-in-one 81.42</td>
<td>suture (direct) 82.46</td>
</tr>
<tr>
<td>triad 81.43</td>
<td>transfer or transplantation (muscle) 82.58</td>
</tr>
<tr>
<td>labia -- see Repair, vulva</td>
<td>musculotendinous cuff, shoulder 83.63</td>
</tr>
<tr>
<td>laceration -- see Suture, by site</td>
<td>myelomeningocele 03.52</td>
</tr>
<tr>
<td>lacrimal system NEC 09.99</td>
<td>nasal septum (perforation) NEC 21.88</td>
</tr>
<tr>
<td>canaliculus 09.73</td>
<td>sinus NEC 22.79</td>
</tr>
<tr>
<td>punctum 09.72</td>
<td>fistula 22.71</td>
</tr>
<tr>
<td>for eversion 09.71</td>
<td>nasolabial flaps (plastic) 21.86</td>
</tr>
<tr>
<td>laryngostomy 31.62</td>
<td>nasopharyngeal atresia 29.4</td>
</tr>
<tr>
<td>laryngotraheal cleft 31.69</td>
<td>nerve (cranial) (peripheral) NEC 04.79</td>
</tr>
<tr>
<td>larynx 31.69</td>
<td>old injury 04.76</td>
</tr>
<tr>
<td>fracture 31.64</td>
<td>revision 04.75</td>
</tr>
<tr>
<td>laceration 31.61</td>
<td>sympathetic 05.81</td>
</tr>
<tr>
<td>leads (cardiac) NEC 37.75</td>
<td>nipple NEC 85.87</td>
</tr>
<tr>
<td>ligament -- see also Arthroplasty 81.96</td>
<td>nose (external) (internal) (plastic) NEC 21.89</td>
</tr>
<tr>
<td>broad 69.29</td>
<td>-- see also Rhinoplasty 21.89</td>
</tr>
<tr>
<td>collateral, knee NEC 81.46</td>
<td>laceration (by suture) 21.81</td>
</tr>
<tr>
<td>cruciate, knee NEC 81.45</td>
<td>notched lip 27.59</td>
</tr>
<tr>
<td>round 69.29</td>
<td>omentum 54.74</td>
</tr>
<tr>
<td>uterine 69.29</td>
<td>omphalocele 53.49</td>
</tr>
<tr>
<td>lip NEC 27.59</td>
<td>with prosthesis 53.41</td>
</tr>
<tr>
<td>cleft 27.54</td>
<td>orbit 16.89</td>
</tr>
<tr>
<td>laceration (by suture) 27.51</td>
<td>wound 16.81</td>
</tr>
<tr>
<td>liver NEC 50.69</td>
<td></td>
</tr>
<tr>
<td>laceration 50.61</td>
<td></td>
</tr>
<tr>
<td>lop ear 18.79</td>
<td></td>
</tr>
<tr>
<td>lung NEC 33.49</td>
<td></td>
</tr>
</tbody>
</table>
Repair ---Cont.

ostium
primum defect 35.73
with
prosthesis 35.54
tissue graft 35.63
secundum defect 35.71
with
prosthesis(open heart technique) 35.51
closed heart technique 35.52
tissue graft 35.61
ovary 65.79
with tube 65.73
laparoscopic 65.76
overlapping toe 77.58
pacemaker
cardiac
device (permanent) 37.89
electrodes (leads) NEC 37.75
pocket (skin) (subcutaneous) 37.79
palate NEC 27.69
cleft 27.62
secondary or subsequent 27.63
laceration (by suture) 27.61
pancreas NEC 52.95
Wirsung's duct 52.99
papillary muscle (heart) 35.31
patent ductus arteriosus 38.85
pectus deformity (chest) (carinatum) (excavatum) 34.74
pelvic floor NEC 70.79
obstetric laceration (current) 75.69
old 70.79
penis NEC 64.49
for epispadias or hypospadias 58.45
inflatable prosthesis 64.99
laceration 64.41
pericardium 37.49
perineum (female) 71.79
laceration (by suture) 71.71
obstetric (current) 75.69
old 71.79
male NEC 61.49
laceration (by suture) 86.59
peritoneum NEC 54.73
by suture 54.64
pharynx NEC 29.59
laceration (by suture) 29.51
plastic 29.4
pleura NEC 34.93
postcataract wound dehiscence 11.52
with conjunctival flap 11.53
pouch of Douglas 70.52
primum ostium defect 35.73
with
prosthesis 35.54
tissue graft 35.63
<table>
<thead>
<tr>
<th>Repair ---Cont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>spinal (cord) (meninges) (structures) NEC</td>
</tr>
<tr>
<td>03.59</td>
</tr>
<tr>
<td>meningocoele 03.51</td>
</tr>
<tr>
<td>myelomeningocoele 03.52</td>
</tr>
<tr>
<td>spleen 41.95</td>
</tr>
<tr>
<td>sternal defect 78.41</td>
</tr>
<tr>
<td>stoma</td>
</tr>
<tr>
<td>bile duct 51.79</td>
</tr>
<tr>
<td>bladder 57.22</td>
</tr>
<tr>
<td>bronchus 33.42</td>
</tr>
<tr>
<td>common duct 51.72</td>
</tr>
<tr>
<td>esophagus 42.89</td>
</tr>
<tr>
<td>gallbladder 51.99</td>
</tr>
<tr>
<td>hepatic duct 51.79</td>
</tr>
<tr>
<td>intestine 46.40</td>
</tr>
<tr>
<td>large 46.43</td>
</tr>
<tr>
<td>small 46.41</td>
</tr>
<tr>
<td>kidney 55.89</td>
</tr>
<tr>
<td>larynx 31.63</td>
</tr>
<tr>
<td>rectum 48.79</td>
</tr>
<tr>
<td>stomach 44.69</td>
</tr>
<tr>
<td>laparoscopic 44.68</td>
</tr>
<tr>
<td>thorax 34.79</td>
</tr>
<tr>
<td>trachea 31.74</td>
</tr>
<tr>
<td>ureter 56.62</td>
</tr>
<tr>
<td>urethra 58.49</td>
</tr>
<tr>
<td>stomach NEC 44.69</td>
</tr>
<tr>
<td>laceration (by suture) 44.61</td>
</tr>
<tr>
<td>laparoscopic 44.68</td>
</tr>
<tr>
<td>stress incontinence (urinary) NEC 59.79</td>
</tr>
<tr>
<td>by</td>
</tr>
<tr>
<td>anterior urethropexy 59.79</td>
</tr>
<tr>
<td>Burch 59.5</td>
</tr>
<tr>
<td>cystourethropexy (with levator muscle sling) 59.71</td>
</tr>
<tr>
<td>injection of implant (fat) (collagen) (polytef) 59.72</td>
</tr>
<tr>
<td>paraurethral suspension (Pereyra) 59.6</td>
</tr>
<tr>
<td>periurethral suspension 59.6</td>
</tr>
<tr>
<td>plication of urethrovesical junction 59.3</td>
</tr>
<tr>
<td>pubococcygeal sling 59.71</td>
</tr>
<tr>
<td>retropubic urethral suspension 59.5</td>
</tr>
<tr>
<td>suprapubic sling 59.4</td>
</tr>
<tr>
<td>tension free vaginal tape 59.79</td>
</tr>
<tr>
<td>urethrovesical suspension 59.4</td>
</tr>
<tr>
<td>gracilis muscle transplant 59.71</td>
</tr>
<tr>
<td>levator muscle sling 59.71</td>
</tr>
<tr>
<td>subcutaneous tissue (plastic) (without skin graft) 86.89</td>
</tr>
<tr>
<td>laceration (by suture) 86.59</td>
</tr>
<tr>
<td>Repair ---Cont.</td>
</tr>
<tr>
<td>supracristal defect (heart) 35.72</td>
</tr>
<tr>
<td>with</td>
</tr>
<tr>
<td>prosthesis (open heart technique) 35.53</td>
</tr>
<tr>
<td>closed heart technique 35.55</td>
</tr>
<tr>
<td>tissue graft 35.62</td>
</tr>
<tr>
<td>symblepharon NEC 10.49</td>
</tr>
<tr>
<td>by division (with insertion of conformer) 10.5</td>
</tr>
<tr>
<td>with free graft 10.41</td>
</tr>
<tr>
<td>syndactylly 86.85</td>
</tr>
<tr>
<td>synovial membrane, joint2</td>
</tr>
<tr>
<td>-- see Arthroplasty</td>
</tr>
<tr>
<td>telecanthus 08.59</td>
</tr>
<tr>
<td>tendon 83.88</td>
</tr>
<tr>
<td>by or with</td>
</tr>
<tr>
<td>arthroplasty -- see Arthroplasty</td>
</tr>
<tr>
<td>graft or implant (tendon) 83.81</td>
</tr>
<tr>
<td>fascia 83.82</td>
</tr>
<tr>
<td>hand 82.72</td>
</tr>
<tr>
<td>hand 82.79</td>
</tr>
<tr>
<td>muscle 83.82</td>
</tr>
<tr>
<td>hand 82.72</td>
</tr>
<tr>
<td>suture (direct) (immediate) (primary) -- see also Suture, tendon 83.64</td>
</tr>
<tr>
<td>hand 82.45</td>
</tr>
<tr>
<td>transfer for transplantation (tendon) 83.75</td>
</tr>
<tr>
<td>hand 82.56</td>
</tr>
<tr>
<td>hand 82.86</td>
</tr>
<tr>
<td>by</td>
</tr>
<tr>
<td>graft or implant (tendon) 82.79</td>
</tr>
<tr>
<td>suture (direct) (immediate) (primary) -- see also Suture, tendon, hand 82.45</td>
</tr>
<tr>
<td>transfer or transplantation (tendon) 82.56</td>
</tr>
<tr>
<td>rotator cuff (direct suture) 83.63</td>
</tr>
<tr>
<td>ruptured NEC 83.88</td>
</tr>
<tr>
<td>hand 82.86</td>
</tr>
<tr>
<td>sheath (direct suture) 83.61</td>
</tr>
<tr>
<td>hand 82.41</td>
</tr>
<tr>
<td>testis NEC 62.69</td>
</tr>
<tr>
<td>tetralogy of Fallot</td>
</tr>
<tr>
<td>partial -- see specific procedure</td>
</tr>
<tr>
<td>total (one-stage) 35.81</td>
</tr>
<tr>
<td>thoracic duct NEC 40.69</td>
</tr>
<tr>
<td>thoracostomy 34.72</td>
</tr>
<tr>
<td>thymus (gland) 07.93</td>
</tr>
<tr>
<td>tongue NEC 25.59</td>
</tr>
<tr>
<td>tooth NEC 23.2</td>
</tr>
<tr>
<td>by</td>
</tr>
<tr>
<td>crown (artificial) 23.41</td>
</tr>
<tr>
<td>filling (amalgam) (plastic) (silicate) 23.2</td>
</tr>
<tr>
<td>inlay 23.3</td>
</tr>
</tbody>
</table>
ICD-9-CM INDEX TO PROCEDURES (FY07)

Repair --Cont.
total anomalous pulmonary venous connection partial -- see specific procedure total (one-stage) 35.82 trachea NEC 31.79 laceration (by suture) 31.71 tricuspid atresia 35.94 truncus arteriosus partial -- see specific procedure total (one-stage) 35.83 tunica vaginalis 61.49 laceration (by suture) 61.41 tympanum -- see Tympanoplasty ureter NEC 56.89 laceration (by suture) 56.82 ureterocele 56.89 urethra NEC 58.49 laceration (by suture) 58.41 obstetric (current) 75.61 old 58.49 meatus 58.47 urethrocele (anterior colpoprrophy) (female) 70.51 and rectocele 70.50 urinary sphincter, artificial (component) 58.99 urinary stress incontinence -- see Repair, stress incontinence uterus, uterine 69.49 inversion -- see Repair, inverted uterus laceration (by suture) 69.41 obstetric (current) 75.50 old 69.49 ligaments 69.29 by interposition 69.21 plication 69.22 uvula 27.73 with synchronous cleft palate repair 27.62 vagina, vaginal (cuff) (wall) NEC 70.79 anterior 70.51 with posterior repair 70.50 cystocele 70.51 and rectocele 70.50 enterocele 70.92 laceration (by suture) 70.71 obstetric (current) 75.69 old 70.79 posterior 70.52 with anterior repair 70.50 rectocele 70.52 and cystocele 70.50 urethrocele 70.51 and rectocele 70.50 varicocele 63.1 Repair --Cont.
v. vas deferens 63.89 by anastomosis 63.82 to epididymis 63.83 reconstruction 63.82 laceration (by suture) 63.81 vein NEC 35.59 by endovascular approach head and neck (embolization or occlusion) 39.72 with patch graft 39.58 with excision or resection of vessel -- see Phlebectomy, with graft replacement, by site synthetic (Dacron) (Teflon) 39.57 tissue (vein) (autogenous) (homograft) 39.56 suture 39.32 ventricular septal defect 35.72 with prosthesis (open heart technique) 35.53 closed heart technique 35.55 in total repair of tetralogy of Fallot 35.81 tissue graft 35.62 combined with repair of valvular and atrial septal defects -- see Repair, endocardial cushion defect in total repair of tetralogy of Fallot 35.81 truncus arteriosus 35.83 vertebral arch defect (spina bifida) 03.59 vulva NEC 71.79 laceration (by suture) 71.71 obstetric (current) 75.69 old 71.79 Wirsung's duct 52.99 wound (skin) (without graft) 86.59 abdominal wall 54.63 dehiscence 54.61 postcataract dehiscence (corneal) 11.52 Replacement acetabulum (with prosthesis) 81.52 ankle, total 81.56 revision 81.59 aortic valve (with prosthesis) 35.22 with tissue graft 35.21 artery -- see Graft, artery bag -- see Replacement, pack or bag Barton's tongs (skull) 02.94 bladder with ileal loop 57.87 45.51 sigmoid 57.87 45.52 sphincter, artificial 58.93
ICD-9-CM INDEX TO PROCEDURES (FY07)

Replacement ---Cont.
bronchial device NOS 33.79
bronchial substance NOS 33.79
bronchial valve 33.71
caliper tongs (skull) 02.94
cannula
  arteriovenous shunt 39.94
  pancreatic duct 97.05
  vessel-to-vessel (arteriovenous) 39.94
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 00.54
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
cardioverter/defibrillator (total system) 37.94
  leads only (electrodes) (sensing) (pacing) 37.97
  pulse generator only 37.98
cast NEC 97.13
  lower limb 97.12
  upper limb 97.11
catheter
  bladder (indwelling) 57.95
cystostomy 59.94
  ventricular shunt (cerebral) 02.42
wound 97.15
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
Crutchfield tongs (skull) 02.94
cystostomy tube (catheter) 59.94

Replacement ---Cont.
device
  subcutaneous for intracardiac hemodynamic monitoring 00.57
diaphragm, vagina 97.24
disc - see Replacement, intervertebral disc
  drain -- see also Replacement, tube
  vagina 97.26
  vulva 97.26
  wound, musculoskeletal or skin 97.16
ear (prosthetic) 18.71
elbow (joint), total 81.84
electrode(s) -- see Implant, electrode or lead by site or name of device
  brain
    depth 02.93
    foramen ovale 02.93
    sphenoidal 02.96
  depth 02.93
  foramen ovale 02.93
  gastric 04.92
  intracranial 02.93
  pacemaker -- see Replacement, pacemaker, electrode(s)
  peripheral nerve 04.92
  sacral nerve 04.92
  sphenoidal 02.96
  spine 03.93
electroencephalographic receiver (brain) (intracranial) 02.93
electronic
  cardioverter/defibrillator -- see Replacement, cardioverter/defibrillator
  leads (electrode)(s) -- see Replacement, electrode(s)
stimulator -- see also Implant, electronic stimulator, by site
  bladder 57.97
  muscle (skeletal) 83.92
  ureter 56.93
electrostimulator -- see Implant, electronic stimulator, by site
enterostomy device (tube)
  large intestine 97.04
  small intestine 97.03
epidural pegs 02.93
femoral head, by prosthesis 81.52
  revision 81.53
Gardner Wells tongs (skull) 02.94
gastric band, laparoscopic 44.96
gastric port device (subcutaneous) 44.96
graft -- see Graft
  halo traction device (skull) 02.94
  Harrington rod (with refusion of spine)
    - see Refusion, spinal
Replacement ---Cont.

heart
artificial
  total replacement system 37.52
  implantable battery 37.54
  implantable controller 37.54
  thoracic unit 37.53
  transcutaneous energy transfer
  [TET] device 37.54
  total replacement system 37.52
  implantable battery 37.54
  implantable controller 37.54
  thoracic unit 37.53
  transcutaneous energy transfer
  [TET] device 37.54
  valve (with prosthesis) (with tissue
  graft) 35.20
  aortic (with prosthesis) 35.22
  with tissue graft 35.21
  mitral (with prosthesis) 35.24
  with tissue graft 35.23
  poppet (prosthetic) 35.95
  pulmonary (with prosthesis) 35.26
  with tissue graft 35.25
  in total repair of tetralogy of Fallot
  35.81
  tricuspid (with prosthesis) 35.28
  with tissue graft 35.27
hip (partial) (with fixation device) (with
prosthesis) (with traction) 81.52
  acetabulum 81.52
  revision 81.53
  femoral head 81.52
  revision 81.53
  total 81.51
  revision 81.53
intervertebral disc
artificial, NOS 84.60
  cervical 84.62
  nucleus 84.61
  partial 84.61
  total 84.62
  lumbar, lumbosacral 84.65
  nucleus 84.64
  partial 84.64
  total 84.65
  thoracic (partial) (total) 84.63
inverted uterus -- see Repair, inverted
uterus
iris NEC 12.39
kidney, mechanical 55.97
knee (bicompartamental) (hemijoint)
  (partial) (total) (tricompartamental)
  (unicompartamental) 81.54
  revision 81.55
laryngeal stent 31.93
leads (electrode)(s) -- see Replacement, electrode(s)

Replacement ---Cont.
mechanical kidney 55.97
mitral valve (with prosthesis) 35.24
  with tissue graft 35.23
  Mulligan hood, fallopian tube 66.93
  muscle stimulator (skeletal) 83.92
  nephrostomy tube 55.93
  neuropacemaker -- see Implant,
  neurostimulator, by site
  neurostimulator -- see also Implant,
  neurostimulator, by site
  skeletal muscle 83.92
pack or bag
  nose 97.21
  teeth, tooth 97.22
  vagina 97.26
  vulva 97.26
  wound 97.16
pessary, vagina NEC 97.25
prosthesis
  acetabulum 81.53
  arm (bioelectric) (cineplastic) (kineplastic)
  84.44
  biliary tract 51.99
  cochlear 20.96
  channel (single) 20.97
  multiple 20.98
  elbow 81.97
Replacement – prosthesis –– Cont.
  extremity (bioelectric) (cineplastic) (kineplastic) 84.40
    lower 84.48
    upper 84.44
  fallopian tube (Mulligan hood) (stent) 66.93
    femur 81.53
    knee 81.55
  leg (bioelectric) (cineplastic) (kineplastic) 84.48
    penis (internal) (non-inflatable) 64.95
    inflatable (internal) 64.97
  pulmonary valve (with prosthesis) 35.26
    with tissue graft 35.25
    in total repair of tetralogy of Fallot 35.81
  pyelostomy tube 55.94
  rectal tube 96.09
  sensor (lead)
    intracardiac hemodynamic monitoring 00.56
  shoulder NEC 81.83
    partial 81.81
    total 81.80
  skull
    plate 02.05
    tongs 02.94
  specified appliance or device NEC 97.29
    stent
      bile duct 97.05
      fallopian tube 66.93
      larynx 31.93
      pancreatic duct 97.05
      trachea 31.93
    stimoceiver—see Implant, stimoceiver, by site
      subdural
        grids 02.93
        strips 02.93
  testis in scrotum 62.5
  tongs, skull 02.94
  tracheal stent 31.93
  tricuspid valve (with prosthesis) 35.28
    with tissue graft 35.27
  tube
    bile duct 97.05
    bladder 57.95
    cystostomy 59.94
    esophagostomy 97.01
    gastrostomy 97.02
    large intestine 97.04
    nasogastric 97.01
    nephrostomy 55.93
    pancreatic duct 97.05
    pyelostomy 55.94
    rectal 96.09
    small intestine 97.03

Replacement – tube –– Cont.
  tracheostomy 97.23
  ureterostomy 59.93
  ventricular (cerebral) 02.42
  umbilical cord, prolapsed 73.92
  ureter (with)
    bladder flap 56.74
    ileal segment implanted into bladder 56.89 [45.51]
  ureterostomy tube 59.93
  urethral sphincter, artificial 58.93
  urinary sphincter, artificial 58.93
  valve
    heart -- see also Replacement, heart
    valve poppet (prosthetic) 35.95
    ventricular (cerebral) 02.42
  ventricular shunt (catheter) (valve) 02.42
  Vinke tongs (skull) 02.94
  vitreous (silicone) 14.75
    for retinal reattachment 14.59

Replant, re plantation -- see also Reattachment
  extremity -- see Reattachment, extremity
  penis 64.45
  scalp 86.51
  tooth 23.5

Reposition
  cardiac pacemaker
    electrode(s) (atrial) (transvenous)
      (ventricular) 37.75
      pocket 37.79
  cardiac resynchronization defibrillator
    (CRT-D) - see Revision, cardiac
    resynchronization defibrillator
  cardiac resynchronization pacemaker
    (CRT-P) - see Revision, cardiac
    resynchronization pacemaker
  cardioverter/defibrillator (automatic)
    lead(s) (sensing) (pacing) (epicardial
      patch) 37.75
      pocket 37.79
    pulse generator 37.79
  cilia base 08.71
  implantable hemodynamic sensor (lead)
    and monitor device 37.79
  iris 12.39
  neurostimulator
    leads
      subcutaneous, without device
        replacement 86.09
      within brain 02.93
      within or over gastric nerve 04.92
      within or over peripheral nerve 04.92
      within or over sacral nerve 04.92
      within spine 03.93
      pulse generator
        subcutaneous, without device
          replacement 86.09
    renal vessel, aberrant 39.55
Reposition --Cont.
subcutaneous device pocket NEC 86.09
thyroid tissue 06.94
tricuspid valve (with plication) 35.14

Resection--see also Excision, by site
abdominoendorectal (combined) 48.5
abdominoperineal (rectum) 48.5
  pull-through(Altemeier)(Swenson) NEC 48.49
  Duhamel type 48.65
alveolar process and palate (en bloc) 27.32
aneurysm -- see Aneurysmectomy
aortic valve (for subvalvular stenosis) 35.11
artery -- see Arterectomy
bile duct NEC 51.69
  common duct NEC 51.63
bladder (partial) (segmental) (transvesical) (wedge) 57.6
  complete or total 57.79
lesion NEC 57.59
  transurethral approach 57.49
neck 57.59
  transurethral approach 57.49
blood vessel -- see Angiectomy
brain 01.59
  by
    stereotactic radiosurgery 92.30
    cobalt 60 92.32
    linear accelerator (LINAC) 92.31
    multi-source 92.32
    particle beam 92.33
    particulate 92.33
    radiosurgery NEC 92.39
    single source photon 92.31
hemisphere 01.52
lobe 01.53
breast -- see also Mastectomy
  quadrant 85.22
  segmental 85.23
broad ligament 69.19
bronchus (sleeve) (wide sleeve) 32.1
  block (en bloc) (with radical dissection of bronchial plexus, bronchus, lobe of lung, ribs, and sympathetic nerves) 32.6
bursa 83.5
  hand 82.31
cecum (and terminal ileum) 45.72
cerebral meninges 01.51
chest wall 34.4
clavicle 77.81
clitoris 71.4
colon (partial) (segmental) 45.79
  ascending (cecum and terminal ileum) 45.72
  cecum (and terminal ileum) 45.72

Resection --colon--Cont.
  complete 45.8
  descending (sigmoid) 45.76
  for interposition 45.52
  Hartmann 45.75
  hepatic flexure 45.73
  left radical (hemicolon) 45.75
  multiple segmental 45.71
  right radical (hemicolon) (ileocolectomy) 45.73
  segmental NEC 45.79
  multiple 45.71
  sigmoid 45.76
  splenic flexure 45.75
  total 45.8
  transverse 45.74
  conjunctiva, for pterygium 11.39
  corneal graft 11.32
  cornual (fallopian tube) (unilateral) 66.69
  bilateral 66.63
  diaphragm 34.81
  endaural 20.79
  endorectal (pull-through) (Soave) 48.41
  combined abdominal 48.5
  esophagus (partial) (subtotal) -- see also Esophagectomy 42.41
  total 42.42
  exteriorized intestine -- see Resection, intestine, exteriorized
  fascia 83.44
  for graft 83.43
  hand 82.34
  hand 82.35
  for graft 82.34
  gallbladder (total) 51.22
  gastric (partial) (sleeve) (subtotal) NEC
  -- see also Gastrectomy 43.89
  with anastomosis NEC 43.89
  esophago gastric 43.5
  gastroduodenal 43.6
  gastrogastric 43.89
  gastrojejunal 43.7
  complete or total NEC 43.99
  with intestinal interposition 43.91
  radical NEC 43.99
  with intestinal interposition 43.91
  wedge 43.42
  endoscopic 43.41
  hallux valgus (joint) -- see also Bunionectomy with prosthetic implant 77.59
  hepatic duct 51.69
  flexure (colon) 45.73
  infundibula, heart (right) 35.34
  intestine (partial) NEC 45.79
  cecum (with terminal ileum) 45.72
Resection --intestine --Cont.
  exteriorized (large intestine) 46.04
  small intestine 46.02
  for interposition 45.50
    large intestine 45.52
    small intestine 45.51
  hepatic flexure 45.73
  ileum 45.62
    with cecum 45.72
  large (partial) (segmental) NEC 45.79
    for interposition 45.52
    multiple segmental 45.71
    total 45.8
  left hemicolon 45.75
  multiple segmental (large intestine) 45.71
    small intestine 45.61
  right hemicolon 45.73
  segmental (large intestine) 45.79
    multiple 45.71
    small intestine 45.62
    multiple 45.61
  sigmoid 45.76
  small (partial) (segmental) NEC 45.62
    for interposition 45.51
    multiple segmental 45.61
    total 45.63
  total
    large intestine 45.8
    small intestine 45.63
  joint structure NEC -- see also Arthrectomy 80.90
  kidney (segmental) (wedge) 55.4
  larynx -- see also Laryngectomy
    submucous 30.29
  lesion -- see Excision, lesion, by site
  levator palpebrae muscle 08.33
  ligament -- see also Arthrectomy 80.90
    broad 69.19
    round 69.19
  uterine 69.19
  lip (wedge) 27.43
    liver (partial) (wedge) 50.22
    lobe (total) 50.3
    total 50.4
  lung (wedge) NEC 32.29
    endoscopic 32.28
    segmental (any part) 32.3
    volume reduction 32.22
    biologic lung volume reduction (BLVR) -- see category 33.7
  meninges (cerebral) 01.51
  spinal 03.4
  mesentery 54.4

Resection --Cont.
muscle 83.45
  extracocular 15.13
  with
    advancement or recession of other
      eye muscle 15.3
    suture of original insertion 15.13
    levator palpebrae 08.33
    Muller's, for blepharoptosis 08.35
    orbiocularis oculi 08.20
  tarsal, for blepharoptosis 08.35
  for graft 83.43
    hand 82.34
    for graft 82.34
  ocular -- see Resection, muscle, extracocular
  myocardium 37.33
  nasal septum (submucous) 21.5
  nerve (cranial) (peripheral) NEC 04.07
    phrenic 04.03
      for collapse of lung 33.31
    sympathetic 05.29
    vagus -- see Vagotomy
  nose (complete) (extended) (partial)
    (radical) 21.4
  omentum 54.4
  orbitomaxillary, radical 16.51
  ovary -- see also Oophorectomy
    wedge 65.22
      laparoscopic 65.24
    palate (bony) (local) 27.31
      by wide excision 27.32
    soft 27.49
  pancreas (total) (with synchronous
    duodenectomy) 52.6
    partial NEC 52.59
      distal (tail) (with part of body) 52.52
      proximal (head) (with part of body)
        (with synchronous
          duodenectomy) 52.51
      radical subtotal 52.53
      radical (one-stage) (two-stage) 52.7
      subtotal 52.53
  pancreaticoduodenal -- see also
    Pancreatectomy 52.6
    pelvic viscera (en masse) (female) 68.8
    male 57.71
  penis 64.3
  pericardium (partial) (for)
    chronic constrictive pericarditis 37.31
    drainage 37.12
    removal of adhesions 37.31
  peritoneum 54.4
  pharynx (partial) 29.33
  phrenic nerve 04.03
  for collapse of lung 33.31
Resection --Cont.
prostate -- see also Prostatectomy
transurethral (punch) 60.29
pterygium 11.39
radial head 77.83
rectosigmoid -- see also Resection, rectum 48.69
rectum (partial) NEC 48.69
with pelvic exenteration 68.8
transrectal 48.81
transanal 48.81
transanal (combined) 48.5
abdominoperineal 48.5
pull-through NEC 48.49
Duhamel type 48.65
anterior 48.63
with colostomy (synchronous) 48.62
Duhamel 48.65
endorectal 48.41
combined abdominal 48.5
posterior 48.64
pull-through NEC 48.49
endorectal 48.41
submucosal (Soave) 48.41
combined abdominal 48.5
rib (transaxillary) 77.91
as operative approach -- omit code
incidental to thoracic operation
-- omit code
right ventricle (heart), for infundibular
stenosis 35.34
root (tooth) (apex) 23.73
with root canal therapy 23.72
residual or retained 23.11
round ligament 69.19
sclera 12.65
with scleral buckling -- see also
Buckling, scleral 14.49
lamellar (for retinal reattachment) 14.49
with implant 14.41
scrotum 61.3
soft tissue NEC 83.49
hand 82.39
sphincter of Oddi 51.89
spinal cord (meninges) 03.4
splanchnic 95.29
splenic flexure (colon) 45.75
sternum 77.81
stomach (partial) (sleeve) (subtotal) NEC
-- see also Gastrectomy 43.89
with anastomosis NEC 43.89
esophagogastric 43.3
gastroduodenal 43.6
gastroesophageal 43.89
gastrojejunostomy 43.7
complete or total NEC 43.99
with intestinal interposition 43.91
fundus 43.89
Resection --stomach --Cont.
radiation NEC 43.99
with intestinal interposition 43.91
wedge 43.42
endoscopic 43.41
submucous
larynx 30.29
nasal septum 21.5
vocal cords 30.22
synovial membrane (complete) (partial)
-- see also Synovectomy 80.70
tarsolevator 08.33
tendon 83.42
hand 82.33
thoracic structures (block) (en bloc)
(radical) (brachial plexus, bronchus,
lobes of lung, ribs, and sympathetic
nerves) 32.6
thorax 34.4
tongue 25.2
wedge 25.1
tooth root 23.73
with root canal therapy 23.72
apex (abscess) 23.73
with root canal therapy 23.72
residual or retained 23.11
trachea 31.5
transurethral
bladder NEC 57.49
prostate 60.29
transverse colon 45.74
turbinates -- see Turbinectomy
ureter (partial) 56.41
total 56.42
uterus -- see Hysterectomy
vein -- see Phlebectomy
ventricle (heart) 37.35
infundibula 35.34
vesical neck 57.59
transurethral 57.49
vocal cords (punch) 30.22
Respirator, volume-controlled (Bennett)
(Byrd) -- see Ventilation
Restoration
cardioesophageal angle 44.66
laparoscopic 44.67
dental NEC 23.49
by
application of crown (artificial) 23.41
insertion of bridge (fixed) 23.42
removable 23.43
extremity -- see Reattachment, extremity
eyebrow 08.70
with graft 08.63
eye socket 16.64
with graft 16.63
Restoration --Cont.
tooth NEC 23.2
by
crown (artificial) 23.41
filling (amalgam) (plastic) (silicate) 23.2
inlay 23.3
Restrictive
gastric band, laparoscopic 44.95
Resurfacing, hip 00.86
acetabulum 00.87
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
cardiopulmonary 99.60
cardioversion 99.62
atrial 99.61
defibrillation 99.62
external massage 99.63
open chest 37.91
intracardiac injection 37.92
cardiopulmonary 99.60
endotracheal intubation 96.04
manual 93.93
mouth-to-mouth 93.93
pulmonary 93.93
Resuturing
abdominal wall 54.61
heart valve prosthesis (poppet) 35.95
chest wall 34.71
wound (skin and subcutaneous tissue) (without graft) NEC 86.59
Retavase, infusion 99.10
Reteplase, infusion 99.10
Retinaculotomy NEC -- see also Division, ligament 80.40
carpal tunnel (flexor) 04.43
Retraining
cardiac 93.36
vocational 93.85
Retrogasserian neurotomy 04.02
Revascularization
-cardiac with ---Cont.
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
on femoral 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
endothelial 36.34
open chest 36.31
percutaneous 36.34
specified type NEC 36.32
revascularization 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
salpingo-uterine 03.97
ureterointestinal 56.72
ankle replacement (prosthesis) 81.59
anterior segment (eye) wound (operative) NEC 12.83
arteriovenous shunt (cannula) (for dialysis) 29.42
arthroplasty -- see Arthroplasty
bone flap, skull 02.06
breast implant 85.93
bronchostomy 33.42
# ICD-9-CM INDEX TO PROCEDURES (FY07)

**Revision---Cont.**

- 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
- coronary artery bypass graft (CABG), abdominal - coronary artery bypass, and internal mammary - coronary artery bypass
- intercostal catheter (with lysis of adhesions) **34.04**
- 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**

- 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)
  - large intestine **46.43**
  - small intestine **46.41**
- enucleation socket **16.64**
  - with graft **16.63**
- esophagostomy **42.83**

**Revision---Cont.**

- 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**
- gastrotomy **44.69**
- laparoscopic **44.68**
- hand replacement (prosthesis) **81.97**
- heart procedure NEC **35.95**
- hip replacement NOS **81.53**
  - acetalubar 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 acetalubar liner **00.73**
  - partial
    - acetalubar component only **00.71**
    - acetabular liner and/or femoral head only **00.73**
    - femoral component only **00.72**
    - femoral head only and/or acetalubar liner **00.73**
  - total (acetalubar and femoral components) **00.70**
- Holter (-Spitz) valve **02.42**
- 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**
- Jejunoileal bypass **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**
### ICD-9-CM INDEX TO PROCEDURES (FY07)

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

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**Revision -- Cont.**

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Revision -prosthesis ---Cont.

knee NOS 81.55
  femoral component 00.82
    partial
  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
  shoulder 81.97
  toe 81.59
  upper extremity 81.97
  wrist 81.97

ptosis overcorrection 08.37
pyelostomy 55.12
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
  pleurothecal 03.97
  salpingothecal 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
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

Revision -stoma ---Cont.
  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
Rhinocleoplasty 27.59
cleft lip 27.54

Rhinomanometry 89.12

Rhinoplasty (external) (internal) NEC 21.87
  augmentation (with graft) (with synthetic implant) 21.85
    limited 21.86
    revision 21.84
tip 21.86
twisted nose 21.84

Rhinorrhaphy (external) (internal) 21.81
  for epistaxis 21.09

Rhinoscopy 21.21
Rhinoseptoplasty 21.84

Rhinotomy 21.1

Rhizotomy (radiofrequency) (spinal) 03.1
  acoustic 04.01
  trigeminal 04.02

Rhytidectomy (facial) 86.82
  eyelid
    lower 08.86
    upper 08.87

Rhytidoplasty (facial) 86.82

Ripstein operation (repair of prolapsed rectum) 48.75

Rodney Smith operation (radical subtotal pancreatectomy) 52.53

Roentgenography -- see also Radiography
  cardiac, negative contrast 88.58

Rolling of conjunctiva 10.33
ICD-9-CM INDEX TO PROCEDURES (FY07)

Root
  canal (tooth) (therapy) 23.70
    with
      apicoectomy 23.72
      irrigation 23.71
    resection (tooth) (apex) 23.73
      with root canal therapy 23.72
    residual or retained 23.11
Rotation of fetal head
  forceps (instrumental) (Kielland)
    (Scanzoni) (key-in-lock) 72.4
  manual 73.51
Routine
  chest x-ray 87.44
  psychiatric visit 94.12
Roux-en-Y operation
  bile duct 51.36
  cholecystojejunostomy 51.32
  esophagus (intrathoracic) 42.54
  gastroenterostomy 44.39
    laparoscopic 44.38
  gastrojejunostomy 44.39
    laparoscopic 44.38
  pancreaticojejunostomy 52.96
Roux-Goldthwait operation (repair of recurrent patellar dislocation) 81.44
Roux-Herzen-Judine operation (jejunal loop interposition) 42.63
Rubin test (insufflation of fallopian tube) 66.8
Ruiz-Mora operation (proximal phalangeotomy for hammer toe) 77.99
Rupture
  esophageal web 42.01
  joint adhesions, manual 93.26
  membranes, artificial 73.09
    for surgical induction of labor 73.01
  ovarian cyst, manual 65.93
Russe operation (bone graft of scaphoid) 78.04
<table>
<thead>
<tr>
<th>Procedure</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sacculotomy (tack)</td>
<td>20.79</td>
</tr>
<tr>
<td>Sacrectomy (partial)</td>
<td>77.89</td>
</tr>
<tr>
<td>Saemisch operation (corneal section)</td>
<td>11.1</td>
</tr>
<tr>
<td>Salpingectomy (bilateral) (total)</td>
<td></td>
</tr>
<tr>
<td>(transvaginal)</td>
<td>66.61</td>
</tr>
<tr>
<td>with oophorectomy</td>
<td>65.61</td>
</tr>
<tr>
<td>laparoscopic</td>
<td>65.63</td>
</tr>
<tr>
<td>with removal of tubal pregnancy</td>
<td>66.62</td>
</tr>
<tr>
<td>bilateral</td>
<td></td>
</tr>
<tr>
<td>for sterilization</td>
<td>66.39</td>
</tr>
<tr>
<td>by endoscopy</td>
<td>66.29</td>
</tr>
<tr>
<td>remaining or solitary tube</td>
<td>66.52</td>
</tr>
<tr>
<td>with ovary</td>
<td>65.62</td>
</tr>
<tr>
<td>laparoscopic</td>
<td>65.64</td>
</tr>
<tr>
<td>unilateral (total)</td>
<td>66.4</td>
</tr>
<tr>
<td>with oophorectomy</td>
<td>65.49</td>
</tr>
<tr>
<td>laparoscopic</td>
<td>65.41</td>
</tr>
<tr>
<td>removal of tubal pregnancy</td>
<td>66.62</td>
</tr>
<tr>
<td>partial</td>
<td>66.69</td>
</tr>
<tr>
<td>Salpingography</td>
<td>87.85</td>
</tr>
<tr>
<td>Salpingohysterostomy</td>
<td>66.74</td>
</tr>
<tr>
<td>Salpingo-oophorectomy (unilateral)</td>
<td>65.49</td>
</tr>
<tr>
<td>that by laparoscope</td>
<td>65.41</td>
</tr>
<tr>
<td>bilateral (same operative episode)</td>
<td>65.61</td>
</tr>
<tr>
<td>laparoscopic</td>
<td>65.63</td>
</tr>
<tr>
<td>remaining or solitary tube and ovary</td>
<td>65.62</td>
</tr>
<tr>
<td>laparoscopic</td>
<td>65.64</td>
</tr>
<tr>
<td>Salpingo-oophoroplast</td>
<td>65.73</td>
</tr>
<tr>
<td>laparoscopic</td>
<td>65.76</td>
</tr>
<tr>
<td>Salpingo-oophororrhaphy</td>
<td>65.79</td>
</tr>
<tr>
<td>Salpingo-oopherostomy</td>
<td>66.72</td>
</tr>
<tr>
<td>Salpingo-oophorotomy</td>
<td>65.09</td>
</tr>
<tr>
<td>laparoscopic</td>
<td>65.01</td>
</tr>
<tr>
<td>Salpingoplast</td>
<td>65.79</td>
</tr>
<tr>
<td>Salpingorrhaphy</td>
<td>66.71</td>
</tr>
<tr>
<td>Salpingosalpingostomy</td>
<td>66.73</td>
</tr>
<tr>
<td>Salpingostomy (for removal of non-ruptured</td>
<td>66.02</td>
</tr>
<tr>
<td>ectopic pregnancy)</td>
<td></td>
</tr>
<tr>
<td>Salpingotomy</td>
<td>66.01</td>
</tr>
<tr>
<td>Salpingo-uterostomy</td>
<td>66.74</td>
</tr>
<tr>
<td>Salter operation (innominate osteotomy)</td>
<td>77.39</td>
</tr>
<tr>
<td>Salvage (autologous blood) (intraoperative)</td>
<td></td>
</tr>
<tr>
<td>(perioperative) (postoperative)</td>
<td>99.00</td>
</tr>
<tr>
<td>Sampling, blood for genetic determination of</td>
<td></td>
</tr>
<tr>
<td>fetus</td>
<td>75.33</td>
</tr>
<tr>
<td>Sandpapering (skin)</td>
<td>86.25</td>
</tr>
<tr>
<td>Saucerization</td>
<td></td>
</tr>
<tr>
<td>bone--see also Excision, lesion, bone</td>
<td>77.60</td>
</tr>
<tr>
<td>rectum</td>
<td>48.99</td>
</tr>
<tr>
<td>Sauer-Bacon operation (abdominoperineal</td>
<td>48.5</td>
</tr>
<tr>
<td>resection)</td>
<td></td>
</tr>
<tr>
<td>Scaleectomy</td>
<td>83.45</td>
</tr>
<tr>
<td>Scalenotomy</td>
<td>83.19</td>
</tr>
<tr>
<td>Scaling and polishing, dental</td>
<td>96.54</td>
</tr>
<tr>
<td>Scan, scanning</td>
<td></td>
</tr>
<tr>
<td>C.A.T.(computerized axial tomography)</td>
<td>88.38</td>
</tr>
<tr>
<td>with computer assisted surgery(CAS)</td>
<td>00.31</td>
</tr>
<tr>
<td>abdomen</td>
<td>88.01</td>
</tr>
<tr>
<td>bone</td>
<td>88.38</td>
</tr>
<tr>
<td>mineral density</td>
<td>88.98</td>
</tr>
<tr>
<td>brain</td>
<td>87.03</td>
</tr>
<tr>
<td>head</td>
<td>87.03</td>
</tr>
<tr>
<td>kidney</td>
<td>87.71</td>
</tr>
<tr>
<td>skeletal</td>
<td>88.38</td>
</tr>
<tr>
<td>mineral density</td>
<td>88.98</td>
</tr>
<tr>
<td>thorax</td>
<td>87.41</td>
</tr>
<tr>
<td>computerized axial tomography (C.A.T.)</td>
<td></td>
</tr>
<tr>
<td>-- see also Scan, C.A.T.</td>
<td>88.38</td>
</tr>
<tr>
<td>C.T. -- see Scan, C.A.T.</td>
<td></td>
</tr>
<tr>
<td>gallium</td>
<td></td>
</tr>
<tr>
<td>-- see Scan, radioisotope</td>
<td></td>
</tr>
<tr>
<td>positron emission tomography (PET)</td>
<td></td>
</tr>
<tr>
<td>-- see Scan, radioisotope</td>
<td></td>
</tr>
<tr>
<td>radioisotope</td>
<td></td>
</tr>
<tr>
<td>adrenal</td>
<td>92.09</td>
</tr>
<tr>
<td>bone</td>
<td>92.14</td>
</tr>
<tr>
<td>marrow</td>
<td>92.05</td>
</tr>
<tr>
<td>bowel</td>
<td>92.04</td>
</tr>
<tr>
<td>cardiac output</td>
<td>92.05</td>
</tr>
<tr>
<td>cardiovascular</td>
<td>92.05</td>
</tr>
<tr>
<td>cerebral</td>
<td>92.11</td>
</tr>
<tr>
<td>circulation time</td>
<td>92.05</td>
</tr>
<tr>
<td>eye</td>
<td>95.16</td>
</tr>
<tr>
<td>gastrointestinal</td>
<td>92.04</td>
</tr>
<tr>
<td>head NEC</td>
<td>92.12</td>
</tr>
<tr>
<td>hematopoietic</td>
<td>92.05</td>
</tr>
<tr>
<td>intestine</td>
<td>92.04</td>
</tr>
<tr>
<td>iodine-131</td>
<td>92.01</td>
</tr>
<tr>
<td>kidney</td>
<td>92.03</td>
</tr>
<tr>
<td>liver</td>
<td>92.02</td>
</tr>
<tr>
<td>lung</td>
<td>92.15</td>
</tr>
<tr>
<td>lymphatic system</td>
<td>92.16</td>
</tr>
<tr>
<td>myocardial infarction</td>
<td>92.05</td>
</tr>
<tr>
<td>pancreatic</td>
<td>92.04</td>
</tr>
<tr>
<td>parathyroid</td>
<td>92.13</td>
</tr>
<tr>
<td>pituitary</td>
<td>92.11</td>
</tr>
<tr>
<td>placenta</td>
<td>92.17</td>
</tr>
<tr>
<td>protein-bound iodine</td>
<td>92.01</td>
</tr>
<tr>
<td>pulmonary</td>
<td>92.15</td>
</tr>
<tr>
<td>radio-iodine uptake</td>
<td>92.01</td>
</tr>
<tr>
<td>renal</td>
<td>92.03</td>
</tr>
</tbody>
</table>

433
Scan, scanning  
--- Cont.  
specified site NEC 92.19  
spleen 92.05  
thyroid 92.01  
total body 92.18  
uterus 92.19  
renal 92.03  
thermal -- see Thermography  
Scapulectomy (partial) 77.81  
total 77.91  
Scapulopexy 78.41  
Scarification  
conjunctiva 10.33  
nasal veins (with packing) 21.03  
pericardium 36.39  
pleura 34.6  
chemical 34.92  
with cancer chemotherapy substance 34.92 [99.25]  
tetracycline 34.92 [99.21]  
Schanz operation (femoral osteotomy) 77.35  
Schauta (-Amreich) operation (radical vaginal hysterectomy) 68.79  
laparoscopic 68.71  
Schede operation (thoracoabdominal) 33.34  
Scheie operation  
cautery of sclera 12.62  
sclerectomy 12.62  
Schlatter operation (total gastrectomy) 43.99  
Schoeder operation (endocervical excision) 67.39  
Schuchardt operation (nonobstetrical episiotomy) 71.09  
Schwartz operation (simple mastoidectomy) 20.41  
Scintiphotography -- see Scan, radioisotope  
Scintiscan -- see Scan, radioisotope  
Sclerectomy (punch) (scissors) 12.65  
for retinal reattachment 14.49  
Holth's 12.65  
trephine 12.61  
with implant 14.41  
Scleroplasty 12.89  
Sclerotherapy  
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  
Sclerotomy (exploratory) 12.89  
  anterior 12.89  
  with  
    iridectomy 12.65  
    removal of vitreous 14.71  
  posterior 12.89  
  with  
    iridectomy 12.65  
    removal of vitreous 14.72  
Scott operation  
intestinal bypass for obesity 45.93  
jejunocolostomy (bypass) 45.93  
Scraping  
corneal epithelium 11.41  
for smear or culture 11.21  
trachoma follicles 10.33  
Sclerotectomy (partial) 61.3  
Sclerotoplasty 61.49  
Sclerotorrhaphy 61.41  
Sclerototomy 61.0  
Scrub, posterior nasal (adhesions) 21.91  
Sculpturing, heart valve  
-- see Valvuloplasty, heart  
Section -- see also Division and Incision  
cesarean -- see Cesarean section  
ganglion, sympathetic 05.0  
hypophyseal stalk -- see also  
  Hypophysectomy, partial 07.63  
ligamentum flavum (spine) -- omit code  
nerve (cranial) (peripheral) NEC 04.03  
  acoustic 04.01  
  spinal root (posterior) 03.1  
  sympathetic 05.0  
  trigeminal tract 04.02  
Salmisch (corneal) 11.1  
spinal ligament 80.49  
arcuate -- omit code  
flavum -- omit code  
tooth (impacted) 23.19  
Seddon-Brooks operation (transfer of pectoralis major tendon) 83.75  
Semb operation (apicectomy of lung) 33.39  
Senning operation (correction of transposition of great vessels) 35.91  
Separation  
twins (attached) (conjoined) (Siamese) 84.93  
asymmetrical (unequal) 84.93  
symmetrical (equal) 84.92  
Septectomy  
atrial (closed) 35.41  
open 35.42  
transvenous method (balloon) 35.41  
submucous (nasal) 21.5  
Septoplasty NEC 21.88  
  with submucous resection of septum 21.5  
Septorhinoplasty 21.84  
Septostomy (atrial) (balloon) 35.41  
Septotomy, nasal 21.1
Sequestrectomy
bone  77.00
carpals, metacarpals  77.04
clavicle  77.01
facial  76.01
femur  77.05
fibula  77.07
humerus  77.02
nose  21.32
patella  77.06
pelvic  77.09
phalanges (foot) (hand)  77.09
radius  77.03
scapula  77.01
skull  01.25
specified site NEC  77.09
tarsals, metatarsals  77.08
thorax (ribs) (sternum)  77.01
tibia  77.07
ulna  77.03
vertebrae  77.09
nose  21.32
skull  01.25

Sesamoidectomy  77.98

Setback, ear  18.5

Sever operation (division of soft tissue of arm)  83.19

Severing of blepharorrhaphy  08.02

Sewell operation (heart)  36.2

Sharrard operation (iliopsoas muscle transfer)  83.77

Shaving
bone -- see also Excision, lesion, bone  77.60
cornea (epithelium)  11.41
for smear or culture  11.21
patella  77.66

Shelf operation (hip arthroplasty)  81.40

Shirodkar operation (encirclement suture, cervix)  67.59

Shock therapy
chemical  94.24
electroconvulsive  94.27
electrotonic  94.27
insulin  94.24
subconvulsive  94.26

Shortening
bone (fusion)  78.20
femur  78.25
specified site NEC -- see category  78.2
tibia  78.27
ulna  78.23
endopelvic fascia  69.22
extraocular muscle NEC  15.22
multiple (two or more muscles)  15.4
eyelid margin  08.71

Shortening --Cont.
eye muscle NEC  15.22
multiple (two or more muscles) (with lengthening)  15.4
finger (macroductyl repair)  82.83
heal cord  83.85
levator palpebrae muscle  08.33
ligament -- see also Arthroplasty
round  69.22
uterosacral  69.22
muscle  83.85
extraocular  15.22
multiple (two or more muscles)  15.4
hand  82.55
sclera (for repair of retinal detachment)  14.59
by scleral buckling -- see also Buckling, scleral  14.49
tendon  83.85
hand  82.55
ureter (with reimplantation)  56.41

Shunt -- see also Anastomosis and Bypass, vascular
abdominovenous  54.94
aorta-coronary sinus  36.39
aorta (descending)-pulmonary (artery)  39.0
aortocarotid  39.22
aortoceliac  39.26
aortofemoral  39.25
aortoiliac  39.25
aortoiliofemoral  39.25
aortomesenteric  39.26
aorto-myocardial (graft)  36.2
aortorenal  39.24
aortosubclavian  39.22
apicoaortic  35.93
arteriovenous NEC  39.29
for renal dialysis (by)
anastomosis  39.27
external cannula  39.93
ascending aorta to pulmonary artery (Waterston)  39.0
axillary-femoral  39.29
carotid-carotid  39.22
carotid-subclavian  39.22
caval-mesenteric  39.1
corpora cavernosa-corpus spongiosum  64.98
corpora-saphenous  64.98
descending aorta to pulmonary artery (Potts-Smith)  39.0
endolymphatic (-subarachnoid)  20.71
endolymph-perilymph  20.71
extracranial-intracranial (EC-IC)  39.28
femoroperoneal  39.29
femoropopliteal  39.29
iliofemoral  39.25
ilioiliac  39.25
Shunt ---Cont.
  intestinal
    large-to-large 45.94
    small-to-large 45.93
    small-to-small 45.91
  left subclavian to descending aorta
    (Blalock-Park) 39.0
  left-to-right (systemic-pulmonary artery) 39.0
  left ventricle (heart) (apex) and aorta 35.93
  lienorenal 39.1
  lumbar-subarachnoid (with valve) NEC 03.79
  mesocaval 39.1
  peritoneal-jugular 54.94
  peritoneovenous 54.94
  pleuroperitoneal 39.1
  pleurothecal (with valve) NEC 03.79
  portacaval (double) 39.1
  portal-systemic 39.1
  pulmonary-innominate 39.0
  pulmonary vein to atrium 35.82
  renportal 39.1
  right atrium and pulmonary artery 35.94
  right ventricle and pulmonary artery (distal) 35.92
    in repair of
      pulmonary artery atresia 35.92
      transposition of great vessels 35.92
      truncus arteriosus 35.83
    salpingo-thecal (with valve) 03.79
    semicircular-subarachnoid 20.71
    spinal (thecal) (with valve) NEC 03.79
    subarachnoid-peritoneal 03.71
    subarachnoid-ureteral 03.72
  splenorenal (venous) 39.1
    arterial 39.26
  subarachnoid-peritoneal (with valve) 03.71
  subarachnoid-ureteral (with valve) 03.72
  subclavian-pulmonary 39.0
  subdural-peritoneal (with valve) 02.34
  superior mesenteric-caval 39.1
  systemic-pulmonary artery 39.0
  transjugular intrahepatic portosystemic [TIPS] 39.1
  vena cava to pulmonary artery (Green) 39.21
  ventricular (cerebral) (with valve) 02.2
    to
      abdominal cavity or organ 02.34
      bone marrow 02.39
      cervical subarachnoid space 02.2
      circulatory system 02.32
      cisterna magna 02.2
      extracranial site NEC 02.39
      gallbladder 02.34
  Shunt --ventricular to ---Cont.
    head or neck structure 02.31
    intracerebral site NEC 02.31
    lumbar site 02.39
    mastoid 02.31
    nasopharynx 02.31
    thoracic cavity 02.33
    ureter 02.35
    urinary system 02.35
    venous system 02.32
    ventriculocerebral (with valve) 02.32
    ventriculocavalcaval (with valve) 02.32
    ventriculocisternal (with valve) 02.2
    ventriculolumbar (with valve) 02.39
    ventriculomastoid (with valve) 02.31
    ventriculonasopharyngeal 02.31
    ventriculopleural (with valve) 02.33
  Sialoadenectomy (parotid) (sublingual)
    (submaxillary) 26.30
      complete 26.32
      partial 26.31
      radical 26.32
  Sialoadenolithotomy 26.30
  Sialadenectomy 26.30
  Sialodochoplasty NEC 26.49
  Sialogram 87.09
  Sialolithotomy 26.30
  Sieve, vena cava 38.7
  Sigmoid bladder 57.87 [45.52]
  Sigmoidectomy 45.76
  Sigmoidomyotomy 46.91
  Sigmoidopexy (Moschowitz) 46.63
  Sigmoidoproctectomy -- see also Resection, rectum 48.69
  Sigmoidoproctostomy 45.94
  Sigmoidorectostomy 45.94
  Sigmoidorrhaphy 46.75
  Sigmoidoscopy (rigid) 48.23
    with biopsy 45.25
    flexible 48.24
    through stoma (artificial) 45.22
    transabdominal 45.21
  Sigmoidosigmoidostomy 45.94
    proximal to distal segment 45.76
  Sigmoidostomy -- see also Colostomy 46.10
  Sigmoidotomy 45.03
  Sign language 93.75
  Silver operation (bunionectomy) 77.59
  Sinogram
    abdominal wall 88.03
    chest wall 87.38
    retroperitoneum 88.14
  Sinusectomy (nasal) (complete) (partial) (with turbinectomy) 22.60
    antrum 22.62
      with Caldwell-Luc approach 22.61
      ethmoid 22.63
      frontal 22.42
Sinusectomy — Cont.
  maxillary 22.62
    with Caldwell-Luc approach 22.61
  sphenoid 22.64

Sinusotomy (nasal) 22.50
  antrum (intranasal) 22.2
    with external approach (Caldwell-Luc) 22.39
    radical (with removal of membrane lining) 22.31
  ethmoid 22.51
  frontal 22.41
  maxillary (intranasal) 22.2
    with external approach (Caldwell-Luc) 22.39
    radical (with removal of membrane lining) 22.31
  multiple 22.53
  perinasal 22.50
  sphenoid 22.52

Sistrunk operation (excision of thyroglossal cyst) 06.7

Size reduction
  abdominal wall (adipose) (pendulous) 86.83
  arms (adipose) (batwing) 86.83
  breast (bilateral) 85.32
    unilateral 85.31
  buttocks (adipose) 86.83
  skin 86.83
  subcutaneous tissue 86.83
  thighs (adipose) 86.83

Skeletal series (x-ray) 88.31

Sling — see also Operation, sling
  fascial (fascia lata)
    for facial weakness (trigeminal nerve paralysis) 86.81
    mouth 86.81
    oribcularis (mouth) 86.81
    tongue 25.59
  levator muscle (urethrocystoectomy) 59.71
  pubococcygeal 59.71
  rectum (puborectalis) 48.76
  tongue (fascial) 25.59

Slitting
  canaliculus for passage of tube 09.42
  removal of streptothrix 09.42
  lens 13.2
  prepuce (dorsal) (lateral) 64.91

Slocum operation (pes anserinus transfer) 81.47

Sluder operation (tonsillectomy) 28.2

Small bowel series (x-ray) 87.63

Smith operation (open osteotomy of mandible) 76.62

Smith-Peterson operation (radiocarpal arthrodesis) 81.25

Smithwick operation (sympathectomy) 05.29

Snaring, polyp, colon (endoscopic) 45.42

Snip, punctum (with dilation) 09.51

Soave operation (endorectal pull-through) 48.41

Somatotherapy, psychiatric NEC 94.29

Sonneberg operation (inferior maxillary neurectomy) 94.07

Sorondo-Ferré operation (hindquarter amputation) 84.19

Soutter operation (iliac crest fasciotomy) 83.14

Spaulding-Richardson operation (uterine suspension) 69.22

Spectrophotometry NEC 89.39
  blood 89.39
  placenta 89.29
  urine 89.29

Speech therapy NEC 93.75

Spermatocoelecomy 63.2

Spermatocystectomy 60.73

Spermatocystotomy 60.72

Sphenoidectomy 22.64

Sphenoidotomy 22.52

Sphincterectomy, anal 49.6

Sphincteroplasty
  anal 49.79
    obstetrical laceration (current) 75.62
    old 49.79
    bladder neck 57.85
    pancreas 51.83
    sphincter of Oddi 51.83

Sphincterorrhaphy, anal 49.71
  obstetrical laceration (current) 75.62
  old 49.79

Sphincterotomy
  anal (external) (internal) 49.59
    left lateral 49.51
    posterior 49.52
    bladder (neck) (transurethral) 57.91
    choledochal 51.82
      endoscopic 51.85
    iris 12.12
    pancreatic 51.82
      endoscopic 51.85
    sphincter of Oddi 51.82
      endoscopic 51.85
      transduodenal ampullary 51.82
      endoscopic 51.85

Spinal anesthesia — omit code

Spinelli operation (correction of inverted uterus) 75.93

Spirometry (incentive) (respiratory) 89.37

Spivack operation (permanent gastrostomy) 43.19

Splanchnicectomy 05.29

Splanchnicotomy 05.0

Splenectomy (complete) (total) 41.5
  partial 41.43
<table>
<thead>
<tr>
<th>Procedure</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Splenogram</td>
<td>88.64</td>
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<tr>
<td>radioisotope</td>
<td>92.05</td>
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<td>Splenolysis</td>
<td>54.59</td>
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<tr>
<td>laparoscopic</td>
<td>54.51</td>
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<tr>
<td>Splenopexy</td>
<td>41.95</td>
</tr>
<tr>
<td>Splenoplasty</td>
<td>41.95</td>
</tr>
<tr>
<td>Splenoportogram (by splenic arteriography)</td>
<td>88.64</td>
</tr>
<tr>
<td>Splenorrhaphy</td>
<td>41.95</td>
</tr>
<tr>
<td>Splenotomy</td>
<td>41.2</td>
</tr>
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<td>Splinting</td>
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<tr>
<td>dental (for immobilization)</td>
<td>93.55</td>
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<td>orthodontic</td>
<td>24.7</td>
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<td>musculoskeletal</td>
<td>93.54</td>
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<tr>
<td>ureteral</td>
<td>56.2</td>
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<td>Splinting -- see also Division</td>
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<tr>
<td>canaliculus</td>
<td>09.52</td>
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<tr>
<td>lacrimal papilla</td>
<td>09.51</td>
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<tr>
<td>spinal cord tracts</td>
<td>03.29</td>
</tr>
<tr>
<td>percutaneous</td>
<td>03.21</td>
</tr>
<tr>
<td>tendon sheath</td>
<td>83.01</td>
</tr>
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<td>hand</td>
<td>82.01</td>
</tr>
<tr>
<td>Spondylosyndesis</td>
<td></td>
</tr>
<tr>
<td>-- see also Fusion, spinal</td>
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</tr>
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<td>81.00</td>
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</tr>
<tr>
<td>S.P. Rogers operation (knee disarticulation)</td>
<td>84.16</td>
</tr>
<tr>
<td>Ssabanejew-Frank operation (permanent gastrostomy)</td>
<td>43.19</td>
</tr>
<tr>
<td>Stab, intercostal</td>
<td>34.09</td>
</tr>
<tr>
<td>Stabilization, joint</td>
<td></td>
</tr>
<tr>
<td>-- see also Arthrodesis</td>
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<tr>
<td>patella (for recurrent dislocation)</td>
<td>81.44</td>
</tr>
<tr>
<td>Stacke operation (simple mastoidectomy)</td>
<td>20.41</td>
</tr>
<tr>
<td>Stallard operation (conjunctivocysto-rhinostomy)</td>
<td>09.82</td>
</tr>
<tr>
<td>with insertion of tube or stent</td>
<td>09.83</td>
</tr>
<tr>
<td>Stamm (-Kader) operation (temporary gastrostomy)</td>
<td>43.19</td>
</tr>
<tr>
<td>Stapedectomy</td>
<td>19.19</td>
</tr>
<tr>
<td>with incus replacement (homograft)</td>
<td></td>
</tr>
<tr>
<td>(prosthesis)</td>
<td>19.11</td>
</tr>
<tr>
<td>revision</td>
<td>19.29</td>
</tr>
<tr>
<td>with incus replacement</td>
<td>19.21</td>
</tr>
<tr>
<td>Stapediolyisys</td>
<td>19.0</td>
</tr>
<tr>
<td>Stapling</td>
<td></td>
</tr>
<tr>
<td>artery</td>
<td>39.31</td>
</tr>
<tr>
<td>blebs, lung (emphysematous)</td>
<td>32.21</td>
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<tr>
<td>diaphysis -- see also Stapling, epiphyseal plate</td>
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<tr>
<td>plate</td>
<td>78.20</td>
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<td>epiphyseal plate</td>
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<td>femur</td>
<td>78.25</td>
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<td>radius</td>
<td>78.23</td>
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<tr>
<td>specified site NEC</td>
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<tr>
<td>tibia</td>
<td>78.27</td>
</tr>
<tr>
<td>ulna</td>
<td>78.23</td>
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<tr>
<td>gastric varices</td>
<td>44.91</td>
</tr>
<tr>
<td>Stapling -- Cont</td>
<td></td>
</tr>
<tr>
<td>graft -- see Graft</td>
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<tr>
<td>vein</td>
<td>39.32</td>
</tr>
<tr>
<td>STARR (stapled transanal rectal resection)</td>
<td>70.52</td>
</tr>
<tr>
<td>Steinberg operation</td>
<td>44.5</td>
</tr>
<tr>
<td>Steindler operation</td>
<td></td>
</tr>
<tr>
<td>fascia stripping (for cavus deformity)</td>
<td>83.14</td>
</tr>
<tr>
<td>flexorplasty (elbow)</td>
<td>83.77</td>
</tr>
<tr>
<td>muscle transfer</td>
<td>83.77</td>
</tr>
<tr>
<td>Stereotactic radiosurgery</td>
<td>92.30</td>
</tr>
<tr>
<td>cobalt</td>
<td>92.32</td>
</tr>
<tr>
<td>linear accelerator (LINAC)</td>
<td>92.31</td>
</tr>
<tr>
<td>multi-source</td>
<td>92.32</td>
</tr>
<tr>
<td>particle beam</td>
<td>92.33</td>
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<td>particulate</td>
<td>92.33</td>
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<tr>
<td>radiosurgery NEC</td>
<td>92.39</td>
</tr>
<tr>
<td>single source photon</td>
<td>92.31</td>
</tr>
<tr>
<td>Stereotactic head frame application</td>
<td>93.59</td>
</tr>
<tr>
<td>Sterilization</td>
<td></td>
</tr>
<tr>
<td>female -- see also specific operation</td>
<td>66.39</td>
</tr>
<tr>
<td>male NEC -- see also Ligation, vas deferens</td>
<td>63.70</td>
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<td>Sternotomy</td>
<td>77.31</td>
</tr>
<tr>
<td>as operative approach -- omit code</td>
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<tr>
<td>for bone marrow biopsy</td>
<td>41.31</td>
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<td>Stewart operation (renal plication with pyeloaplasty)</td>
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</tr>
<tr>
<td>Stimulation</td>
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</tr>
<tr>
<td>(electronic) -- see also Implant, electronic stimulator</td>
<td></td>
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<tr>
<td>bone growth (percutaneous)</td>
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<tr>
<td>-- see category</td>
<td>78.9</td>
</tr>
<tr>
<td>transcutaneous (surface)</td>
<td>99.86</td>
</tr>
<tr>
<td>cardiac (external)</td>
<td>99.62</td>
</tr>
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<td>internal</td>
<td>37.91</td>
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<td>carotid sinus</td>
<td>99.64</td>
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<tr>
<td>device interrogation only without arrhythmia induction (bedside check)</td>
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<td>electrophysiologic, cardiac</td>
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<td>89.45 - 89.49</td>
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<td>37.20</td>
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<td><strong>Stimulation</strong> ---Cont</td>
<td><strong>Study</strong> -electrophysiologic ---Cont</td>
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<tr>
<td>nerve</td>
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<td>stimulation (NIPS) 37.20</td>
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<td>penile 89.58</td>
<td>function -- see also Function, study</td>
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<tr>
<td>peripheral or spinal cord,</td>
<td>radioactive -- see Scan, radioisotope</td>
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<tr>
<td>transcutaneous 93.39</td>
<td>lacrimal flow (radiographic) 87.05</td>
</tr>
<tr>
<td><strong>Stitch, Kelly-Stoeckel</strong> (urethra) 59.3</td>
<td>ocular motility 95.15</td>
</tr>
<tr>
<td><strong>Stomatoplasty</strong> 27.59</td>
<td>pulmonary function -- see categories</td>
</tr>
<tr>
<td><strong>Stomatorrhaphy</strong> 27.52</td>
<td>89.37-89.38</td>
</tr>
<tr>
<td><strong>Stone operation</strong> (anoplasty) 49.79</td>
<td>radiographic -- see Radiography</td>
</tr>
<tr>
<td><strong>Strapping</strong> (non-traction) 93.59</td>
<td>radio-iodinated triolein 92.04</td>
</tr>
<tr>
<td><strong>Strassman operation</strong> (metroplasty) 69.49</td>
<td>renal clearance 92.03</td>
</tr>
<tr>
<td><strong>Strayer operation</strong> (gastrocnenius recession) 83.72</td>
<td>spirometer 89.37</td>
</tr>
<tr>
<td><strong>Stripping</strong></td>
<td>tracer -- see also Scan, radioisotope eye (P32) 95.16</td>
</tr>
<tr>
<td>bone -- see also Incision, bone 77.10</td>
<td>ultrasonic -- see Ultrasonography</td>
</tr>
<tr>
<td>carotid sinus 39.8</td>
<td>visual field 95.05</td>
</tr>
<tr>
<td>cranial suture 02.01</td>
<td>xenon flow NEC 92.19</td>
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<tr>
<td>fascia 83.14</td>
<td>cardiovascular 92.05</td>
</tr>
<tr>
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<td>membranes for surgical induction of labor 73.1</td>
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<td>meninges (cerebral) 01.51</td>
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</tr>
<tr>
<td>spinal 03.4</td>
<td></td>
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<tr>
<td>saphenous vein, varicose 38.59</td>
<td></td>
</tr>
<tr>
<td>subdural membrane (cerebral) 01.51</td>
<td></td>
</tr>
<tr>
<td>spinal 03.4</td>
<td></td>
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<tr>
<td>varicose veins (lower limb) 38.59</td>
<td></td>
</tr>
<tr>
<td>upper limb 38.53</td>
<td></td>
</tr>
<tr>
<td>vocal cords 30.09</td>
<td></td>
</tr>
<tr>
<td><strong>Stromeyer-Little operation</strong> (hepatotomy) 50.0</td>
<td></td>
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<tr>
<td><strong>Strong operation</strong> (unbridling of celiac artery axis) 39.91</td>
<td></td>
</tr>
<tr>
<td><strong>Stryker frame</strong> 93.59</td>
<td></td>
</tr>
<tr>
<td><strong>Study</strong></td>
<td></td>
</tr>
<tr>
<td>bone mineral density 88.98</td>
<td></td>
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<tr>
<td>bundle of His 37.29</td>
<td></td>
</tr>
<tr>
<td>color vision 95.06</td>
<td></td>
</tr>
<tr>
<td>conduction, nerve (median) 89.15</td>
<td></td>
</tr>
<tr>
<td>dark adaptation, eye 95.07</td>
<td></td>
</tr>
<tr>
<td>electrophysiologic stimulation and recording, cardiac</td>
<td></td>
</tr>
<tr>
<td>as part of intraoperative testing</td>
<td></td>
</tr>
<tr>
<td>catheter based invasive</td>
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</tr>
<tr>
<td>electrophysiologic testing 37.26</td>
<td></td>
</tr>
<tr>
<td>device interrogation only without arrhythmia induction (bedside check) 89.45 - 89.49</td>
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</tr>
</tbody>
</table>
## Suspension
---Cont.
- uterus (abdominal or vaginal approach) 69.22
- vagina 70.77

## Suture (laceration)
- abdominal wall 54.63
- secondary 54.61
- adenoid fossa 28.7
- adrenal (gland) 07.44
- aneurysm (cerebral) (peripheral) 39.52
- anus 49.71
  - obstetric laceration (current) 75.62
  - old 49.79
- aorta 39.31
- aponeurosis -- see also Suture, tendon 83.64
- arteriovenous fistula 39.53
- artery 39.31
  - percutaneous puncture closure
    - omit code
- bile duct 51.79
- bladder 57.81
  - obstetric laceration (current) 75.61
- blood vessel NEC 39.30
  - artery 39.31
  - percutaneous puncture closure
    - omit code
- vein 39.32
- breast (skin) 85.81
- bronchus 33.41
- bursa 83.99
  - hand 82.89
- canaliculus 09.73
- cecum 46.75
- cerebral meninges 02.11
- cervix (traumatic laceration) 67.61
  - internal os, encirclement 67.59
  - obstetric laceration (current) 75.51
  - old 67.69
- chest wall 34.71
- clef palate 27.62
- clitoris 71.4
- colon 46.75
- common duct 51.71
- conjunctiva 10.6
- cornea 11.51
  - with conjunctival flap 11.53
- corneoscleral 11.51
  - with conjunctival flap 11.53
- diaphragm 34.82
- duodenum 46.71
  - ulcer (bleeding) (perforated) 44.42
  - endoscopic 44.43
- dura mater (cerebral) 02.11
  - spinal 03.59
- ear, external 18.4
- enterocele 70.92
- entropion 08.42

## Suture---Cont.
- epididymis (and)
  - spermatic cord 63.51
  - vas deferens 63.81
- episiotomy -- see Episiotomy
- esophagus 42.82
- eyeball 16.89
- eyebrow 08.81
- eyelid 08.81
  - with entropion or ectropion repair 08.42
- fallopian tube 66.71
- fascia 83.65
  - hand 82.46
  - to skeletal attachment 83.89
- gallbladder 51.91
- ganglion, sympathetic 05.81
- gingiva 24.32
- great vessel 39.30
  - artery 39.31
  - vein 39.32
- gum 24.32
- heart 37.49
- hepatic duct 51.79
- hymen 70.76
- ileum 46.72
- intestine 46.79
  - large 46.75
  - small 46.73
- jejunum 46.73
- joint capsule 81.96
  - with arthroplasty -- see Arthroplasty
    - ankle 81.94
    - foot 81.94
    - lower extremity NEC 81.95
    - upper extremity 81.93
    - kidney 55.81
    - labia 71.71
    - laceration -- see Suture, by site
    - larynx 31.61
    - ligament 81.96
      - with arthroplasty -- see Arthroplasty
        - ankle 81.94
        - broad 69.29
        - Cooper's 54.64
        - foot and toes 81.94
        - gastrocolic 54.73
        - knee 81.95
        - lower extremity NEC 81.95
        - sacrouterine 69.29
        - upper extremity 81.93
        - uterine 69.29
    - ligation -- see Ligation
      - lip 27.51
      - liver 50.61
      - lung 33.43
      - meninges (cerebral) 02.11
    - spinal 03.59
Suture ---Cont.

mesentery 54.75
mouth 27.52
muscle 83.65
hand 82.46
ocular (oblique) (rectus) 15.7
nerve (cranial) (peripheral) 04.3
sympathetic 05.81
nose (external) (internal) 21.81
for epistaxis 21.09
obstetric laceration NEC 75.69
bladder 75.61
cervix 75.51
corpus uteri 75.62
pelvic floor 75.62
perineum 75.69
rectum 75.62
sphincter ani 75.62
urethra 75.61
uterus 75.50
vagina 75.69
vulva 75.69
omentum 54.64
ovary 65.71
laparoscopic 65.74
palate 27.61
cleft 27.62
palpebral fissure 08.59
pancreas 52.95
pelvic floor 71.71
obstetric laceration (current) 75.69
penis 64.41
peptic ulcer (bleeding) (perforated) 44.40
pericardium 37.49
perineum (female) 71.71
after delivery 75.69
episiotomy repair -- see Episiotomy
male 86.59
periosteum 78.20
carpal, metacarpal 78.24
femur 78.25
fibula 78.27
humerus 78.22
pelvic 78.29
phalanges (foot) (hand) 78.29
radius 78.23
specified site NEC 78.29
tarsal, metatarsal 78.28
tibia 78.27
ulna 78.23
vertebrae 78.29
peritoneum 54.64
periurethral tissue to symphysis pubis 59.5
pharynx 29.51
pleura 34.93
rectum 48.71
obstetric laceration (current) 75.62
Suture ---Cont.
tongue 25.51
tonsillar fossa 28.7
trachea 31.71
tunica vaginalis 61.41
ulcer (bleeding) (perforated) (peptic) 44.40
duodenum 44.42
endoscopic 44.43
gastric 44.41
endoscopic 44.43
intestine 46.79
skin 86.59
stomach 44.41
endoscopic 44.43
ureter 56.82
urethra 58.41
obstetric laceration (current) 75.61
uterosacral ligament 69.29
uterus 69.41
obstetric laceration (current) 75.50
old 69.49
uvula 27.73
vagina 70.71
obstetric laceration (current) 75.69
old 70.79
vas deferens 63.81
vein 39.32
vulva 71.71
obstetric laceration (current) 75.69
old 71.79
Suture-ligation -- see also Ligation
blood vessel -- see Ligation, blood vessel
Sweep, anterior iris 12.97
Swenson operation
bladder reconstruction 57.87
proctectomy 48.49
Swinney operation (urethral reconstruction) 58.46
Switch, switching
 coronary arteries 35.84
 great arteries, total 35.84
Synechiotomy
endometrium 68.21
iris (posterior) 12.33
anterior 12.32
Syringe
lacrimal duct or sac 09.43
nasolacrimal duct 09.43
with
dilation 09.43
insertion of tube or stent 09.44
ICD-9-CM INDEX TO PROCEDURES (FY07)

Taarnhoj operation (trigeminal nerve root decompression) 04.41

Tack operation (sacculotomy) 20.79

Take-down
anastomosis
  arterial 39.49
  blood vessel 39.49
  gastric, gastrointestinal 44.5
  intestine 46.93
  stomach 44.5
  vascular 39.49
  ventricular 02.43
arterial bypass 39.49
arteriovenous shunt 39.43
with creation of new shunt 39.42
cecostomy 46.52
colostomy 46.52
duodenostomy 46.51
enterostomy 46.50
esophagostomy 42.83
gastroduodenostomy 44.5
gastrojejunostomy 44.5
ileostomy 46.51
intestinal stoma 46.50
  large 46.52
  small 46.51
jejunoileal bypass 46.93
jejunostomy 46.51
laryngostomy 31.62
sigmoidostomy 46.52
stoma
  bile duct 51.79
  bladder 57.82
  bronchus 33.42
  common duct 51.72
  esophagus 42.83
  gall bladder 51.92
  hepatic duct 51.79
  intestine 46.50
    large 46.52
    small 46.51
  kidney 55.82
  larynx 31.62
  rectum 48.72
  stomach 44.62
  thorax 34.72
  trachea 31.72
  ureter 56.83
  urethra 58.42
systemic-pulmonary artery anastomosis 39.49
  in total repair of tetralogy of Fallot 35.81
  tracheostomy 31.72

Take-down --Cont.
  vascular anastomosis or bypass 39.49
  ventricular shunt (cerebral) 02.43

Talectomy 77.98

Talma-Morison operation (omentopexy) 54.74

Tamponade
  esophageal 96.06
  intrauterine (nonobstetric) 69.91
    after delivery or abortion 75.8
    antepartum 73.1
  vagina 96.14
    after delivery or abortion 75.8
    antepartum 73.1

Tanner operation (devascularization of stomach) 44.99

Tap
  abdomen 54.91
  chest 34.91
  cisternal 01.01
  cranial 01.09
  joint 81.91
  lumbar (diagnostic) (removal of dye) 03.31
  perilymphatic 20.79
  spinal (diagnostic) 03.31
  subdural (through fontanel) 01.09
  thorax 34.91

de Grandmont 08.35

Tarsoplasty -- see also Reconstruction, eyelid 08.70

division or severing 08.02

Tattooing
  cornea 11.91
  skin 86.02

Tautening, eyelid for entropion 08.42

Telemetry (cardiac) 89.54

Teleradiotherapy
  beta particles 92.25
  Betatron 92.24
  cobalt-60 92.23
  electrons 92.25
  iodine-125 92.23
  linear accelerator 92.24
  neutrons 92.26
  particulate radiation NEC 92.26
  photons 92.24
  protons 92.26
  radioactive cesium 92.23
  radioisotopes NEC 92.23

Temperament assessment 94.02

Temperature gradient study -- see also
  Thermography 88.89

Tendinoplasty -- see Repair, tendon
Tendinosuture (immediate) (primary)  
-- see also Suture, tendon 83.64  
  hand --see also Suture, tendon, hand 82.45  
Tendolysis 83.91  
  hand 82.91  
Tendoplasty -- see Repair, tendon  
Tenectomy 83.39  
  eye 15.13  
  levator palpebrae 08.33  
  multiple (two or more tendons) 15.3  
  hand 82.29  
  levator palpebrae 08.33  
  tendon sheath 83.31  
  hand 82.21  
Tenodesis (tendon fixation to skeletal attachment) 83.88  
  Fowler 82.85  
  hand 82.85  
Tenolysis 83.91  
  hand 82.91  
Tenomyoplasty -- see also Repair, tendon 83.88  
  hand --see also Repair, tendon, hand 82.86  
Tenomyotomy -- see Tenectomy  
Tenonectomy 83.42  
  for graft 83.41  
  hand 82.32  
  for graft 82.32  
Tenontomyoplasty -- see Repair, tendon  
Tenontoplasty -- see Repair, tendon  
Tenoplasty -- see Repair, tendon  
Tenorrhaphy -- see also Suture, tendon 83.64  
  hand --see also Suture, tendon, hand 82.45  
  to skeletal attachment 83.88  
  hand 82.85  
Tenosuspension 83.88  
  hand 82.86  
Tenosuture -- see also Suture, tendon 83.64  
  hand --see also Suture, tendon, hand 82.45  
  to skeletal attachment 83.88  
  hand 82.85  
Tenosynovectomy 83.42  
  hand 82.33  
Tenotomy 83.13  
  Achilles tendon 83.11  
  adductor (hip) (subcutaneous) 83.12  
  eye 15.12  
  levator palpebrae 08.38  
  multiple (two or more tendons) 15.4  
  hand 82.11  
  levator palpebrae 08.38  
  pectoralis minor tendon (decompression thoracic outlet) 83.13  
  stapedius 19.0  
  tensor tympani 19.0  
Tenovaginotomy -- see Tenotomy  
Tensing, orbicularis oculi 08.59  
Termination of pregnancy  
  by  
    aspiration curettage 69.51  
    dilation and curettage 69.01  
    hysterectomy -- see Hysterectomy  
    hysterotomy 74.91  
    intra-amniotic injection (saline) 75.0  
Test, testing (for)  
  14 C-Urea breath 89.39  
  auditory function NEC 95.46  
  Bender Visual-Motor Gestalt 94.02  
  Benton Visual Retention 94.02  
  cardiac (vascular) function NEC 89.59  
    stress 89.44  
    bicycle ergometer 89.43  
    Masters' two-step 89.42  
    treadmill 89.41  
  Denver developmental (screening) 94.02  
  fetus, fetal  
    nonstress (fetal activity acceleration determinations) 75.34  
    oxytocin challenge (contraction stress) 75.35  
    sensitivity (to oxytocin) -- omit code function  
    cardiac NEC 89.59  
    hearing NEC 95.46  
    neurologic NEC 89.15  
    vestibular 95.46  
    clinical 95.44  
  glaucoma NEC 95.26  
  hearing 95.47  
  clinical NEC 95.42  
  intelligence 94.01  
  internal jugular-subclavian venous reflux 89.62  
  intracarotid amobarbital (Wada) 89.10  
  Masters' two-step stress (cardiac) 89.42  
  muscle function (by)  
    electromyography 93.08  
    manual 93.04  
    neurologic function NEC 89.15  
  nocturnal penile tumescence 89.29  
  provocative, for glaucoma 95.26  
  psychologic NEC 94.08  
  psychometric 94.01  
  range of motion 93.05  
  rotation (Bárány chair) (hearing) 95.45  
  sleep disorder function -- see categories 89.17-89.18  
  Stanford-Binet 94.01  
  Thallium stress(transesophageal pacing) 89.44
Test, testing ---Cont.
tuning fork (hearing) 95.42
Urea breath, (14 C) 89.39
vestibular function NEC 95.46
thermal 95.44
Wada (hemispheric function) 89.10
whispered speech (hearing) 95.42

TEVAP (transurethral electrovaporization of prostate) 60.29
Thalamotomy 01.41
by stereotactic radiosurgery 92.32
by linear accelerator (LINAC) 92.31
multi-source 92.32
particle beam 92.33
particulate 92.33
radiosurgery NEC 92.39
single source photon 92.31

Thal operation (repair of esophageal stricture) 42.85

Theleplasty 85.87
Therapy
Antabuse 94.25
Art 93.89
aversion 94.33
behavior 94.33
Bennett respirator -- see category 96.7
blind rehabilitation NEC 93.78
Byrd respirator -- see category 96.7
carbon dioxide 94.25
cobalt-60 92.23
combined (without mention of components) 93.38
diagnostic NEC 93.09
diagnostic 93.39
for psychosexual dysfunctions 94.41

Therapy ---Cont.
heat NEC 93.35
for cancer treatment 99.85
for chemical treatment 99.85
helium 93.98
hot pack(s) 93.35
hyperbaric oxygen 93.95
wound NEC 93.35
hyperthermia NEC 93.35
for cancer treatment 99.85
individual, psychiatric NEC 94.39
for psychosexual dysfunction 94.34
industrial 93.89
infrared irradiation 93.35
inhalation NEC 93.96
nitric oxide 00.12
insulin shock 94.24
intermittent positive pressure breathing (IPPB) 93.91
IPPB (intermittent positive pressure breathing) 93.91
leech 99.99
lithium 94.22
maggot 86.28
manipulative, osteopathic -- see also
  Manipulation, osteopathic 93.67
manual arts 93.81
methadone 94.25
mist (inhalation) 93.94
music 93.84
nebulizer 93.94
neuroleptic 94.23
nitric oxide 00.12
occasional 93.83
occupational 93.39
for the blind 93.78
oxygen 93.96
  catalytic 93.96
  hyperbaric 93.95
  wound 93.59
  wound (hyperbaric) 93.59
paraffin bath 93.35
physical NEC 93.39
  combined (without mention of components) 93.38
play 93.81
psychotherapeutic 94.36
positive and expiratory pressure
  -- see category 96.7
psychiatric NEC 94.39
  drug NEC 94.25
  lithium 94.22
radiation 92.29
  contact (150 KVP or less) 92.21
  deep (200-300 KVP) 92.22
  high voltage (200-300 KVP) 92.22
  low voltage (150 KVP or less) 92.21
  megavoltage 92.24
orthovoltage 92.22
  particle source NEC 92.26
Thermography 88.89
- blood vessel 88.86
- bone 88.83
- breast 88.85
- cerebral 88.81
- eye 88.82
- lymph gland 88.89
- muscle 88.84
- ocular 88.82
- osteoarticular 88.83
- specified site NEC 88.89
- vein, deep 88.86

Thermokeratoplasty 11.74
Thermosclerectomy 12.62

Thermotherapy (hot packs) (paraffin bath) NEC 93.35
- prostate by
  - microwave 60.96
  - radiofrequency 60.97
  - transurethral microwave thermotherapy (TUMT) 60.96
  - transurethral needle ablation (TUNA) 60.97
  - TUMT (transurethral microwave thermotherapy) 60.96
  - TUNA (transurethral needle ablation) 60.97

Thiersch operation
anus 49.79
- skin graft 86.69
- hand 86.62

Thompson operation
cleft lip repair 27.54
- correction of lymphedema 40.9
- quadricepsplasty 83.86
- thumb apposition with bone graft 82.69

Thoracectomy 34.09
- for lung collapse 33.34

Thoracentesis 34.91
Thoracocentesis 34.91

Thoracolysis (for collapse of lung) 33.39
Thoracoplasty (anterior) (extrapleural) (paravertebral) (posterolateral) (complete) partial 33.34

Thoracoscopy, transpleural (for exploration) 34.21

Thoracotomy 34.09
- for lung collapse 33.32

Thoracotomy (with drainage) 34.09
- as operative approach -- omit code exploratory 34.02

Three-snip operation, punctum 09.51

Thrombectomy 38.00
- with endarterectomy -- see Endarterectomy abdominal
  - artery 38.06
  - vein 38.07
- aorta (arch) (ascending) (descending) 38.04

Thermocautery -- see Cauterization

Thermography 88.89
- blood vessel 88.86
- bone 88.83
- breast 88.85
- cerebral 88.81
- eye 88.82
- lymph gland 88.89
- muscle 88.84
- ocular 88.82
- osteoarticular 88.83
- specified site NEC 88.89
- vein, deep 88.86

Thermokeratoplasty 11.74
Thermosclerectomy 12.62

Thermotherapy (hot packs) (paraffin bath) NEC 93.35
- prostate by
  - microwave 60.96
  - radiofrequency 60.97
  - transurethral microwave thermotherapy (TUMT) 60.96
  - transurethral needle ablation (TUNA) 60.97
  - TUMT (transurethral microwave thermotherapy) 60.96
  - TUNA (transurethral needle ablation) 60.97

Thiersch operation
- anus 49.79
- skin graft 86.69
- hand 86.62

Thompson operation
- cleft lip repair 27.54
- correction of lymphedema 40.9
- quadricepsplasty 83.86
- thumb apposition with bone graft 82.69

Thoracectomy 34.09
- for lung collapse 33.34

Thoracentesis 34.91
Thoracocentesis 34.91

Thoracolysis (for collapse of lung) 33.39
Thoracoplasty (anterior) (extrapleural) (paravertebral) (posterolateral) (complete) partial 33.34

Thoracoscopy, transpleural (for exploration) 34.21

Thoracotomy 34.09
- for lung collapse 33.32

Thoracotomy (with drainage) 34.09
- as operative approach -- omit code exploratory 34.02

Three-snip operation, punctum 09.51

Thrombectomy 38.00
- with endarterectomy -- see Endarterectomy abdominal
  - artery 38.06
  - vein 38.07
- aorta (arch) (ascending) (descending) 38.04

Thermocautery -- see Cauterization
<table>
<thead>
<tr>
<th>Procedure</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thrombectomy</td>
<td>39.49</td>
</tr>
<tr>
<td>arteriovenous shunt or cannula</td>
<td>39.49</td>
</tr>
<tr>
<td>bovine graft</td>
<td>39.49</td>
</tr>
<tr>
<td>coronary artery</td>
<td>36.09</td>
</tr>
<tr>
<td>head and neck vessel NEC</td>
<td>38.02</td>
</tr>
<tr>
<td>intracranial vessel NEC</td>
<td>38.01</td>
</tr>
<tr>
<td>lower limit</td>
<td></td>
</tr>
<tr>
<td>artery</td>
<td>38.08</td>
</tr>
<tr>
<td>vein</td>
<td>38.09</td>
</tr>
<tr>
<td>mechanical</td>
<td></td>
</tr>
<tr>
<td>endovascular</td>
<td></td>
</tr>
<tr>
<td>head and neck</td>
<td>39.74</td>
</tr>
<tr>
<td>pulmonary vessel</td>
<td>38.05</td>
</tr>
<tr>
<td>thoracic vessel NEC</td>
<td>38.05</td>
</tr>
<tr>
<td>upper limb (artery) (vein)</td>
<td>38.03</td>
</tr>
<tr>
<td><strong>Thromboendarterectomy</strong></td>
<td>38.10</td>
</tr>
<tr>
<td>abdominal</td>
<td>38.16</td>
</tr>
<tr>
<td>aorta (arch) (ascending)(descending)</td>
<td>38.14</td>
</tr>
<tr>
<td>coronary artery</td>
<td>36.09</td>
</tr>
<tr>
<td>open chest approach</td>
<td>36.03</td>
</tr>
<tr>
<td>head and neck NEC</td>
<td>38.12</td>
</tr>
<tr>
<td>intracranial NEC</td>
<td>38.11</td>
</tr>
<tr>
<td>lower limb</td>
<td>38.18</td>
</tr>
<tr>
<td>thoracic NEC</td>
<td>38.15</td>
</tr>
<tr>
<td>upper limb</td>
<td>38.13</td>
</tr>
<tr>
<td><strong>Thymectomy</strong></td>
<td>07.80</td>
</tr>
<tr>
<td>partial</td>
<td>07.81</td>
</tr>
<tr>
<td>total</td>
<td>07.82</td>
</tr>
<tr>
<td><strong>Thymopexy</strong></td>
<td>07.99</td>
</tr>
<tr>
<td><strong>Thyrochondrotomy</strong></td>
<td>31.3</td>
</tr>
<tr>
<td><strong>Thyrocricoidectomy</strong></td>
<td>30.29</td>
</tr>
<tr>
<td><strong>Thyrocricotomy</strong> (for assistance in breathing)</td>
<td>31.1</td>
</tr>
<tr>
<td><strong>Thyroidectomy</strong></td>
<td>06.39</td>
</tr>
<tr>
<td>by mediastinotomy -- see also</td>
<td></td>
</tr>
<tr>
<td>Thyroidectomy, substernal</td>
<td>06.50</td>
</tr>
<tr>
<td>with laryngectomy -- see Laryngectomy complete or total</td>
<td>06.4</td>
</tr>
<tr>
<td>substernal (by mediastinotomy)</td>
<td></td>
</tr>
<tr>
<td>(transsternal route)</td>
<td>06.52</td>
</tr>
<tr>
<td>transoral route (lingual)</td>
<td>06.6</td>
</tr>
<tr>
<td>lingual (complete) (partial)(subtotal)</td>
<td></td>
</tr>
<tr>
<td>(total)</td>
<td>06.6</td>
</tr>
<tr>
<td>partial or subtotal NEC</td>
<td>06.39</td>
</tr>
<tr>
<td>with complete removal of remaining lobe</td>
<td></td>
</tr>
<tr>
<td>submental route (lingual)</td>
<td>06.6</td>
</tr>
<tr>
<td>substernal (by mediastinotomy)</td>
<td></td>
</tr>
<tr>
<td>(transsternal route)</td>
<td>06.51</td>
</tr>
<tr>
<td>remaining tissue</td>
<td>06.4</td>
</tr>
<tr>
<td>submental route (lingual)</td>
<td>06.6</td>
</tr>
<tr>
<td>substernal (by mediastinotomy)</td>
<td></td>
</tr>
<tr>
<td>(transsternal route)</td>
<td>06.50</td>
</tr>
<tr>
<td>complete or total</td>
<td>06.52</td>
</tr>
<tr>
<td>partial or subtotal</td>
<td>06.51</td>
</tr>
<tr>
<td>transoral route (lingual)</td>
<td>06.6</td>
</tr>
<tr>
<td>transsternal route -- see also</td>
<td></td>
</tr>
<tr>
<td>Thyroidectomy, substernal</td>
<td>06.50</td>
</tr>
<tr>
<td><strong>Thyroidectomy ---Cont.</strong></td>
<td></td>
</tr>
<tr>
<td>unilateral (with removal of isthmus) (with removal of portion of other lobe)</td>
<td>06.2</td>
</tr>
<tr>
<td><strong>Thyroidorrhaphy</strong></td>
<td>06.93</td>
</tr>
<tr>
<td><strong>Thyroidotomy</strong> (field) (gland) NEC</td>
<td>06.09</td>
</tr>
<tr>
<td>postoperative</td>
<td>06.02</td>
</tr>
<tr>
<td><strong>Thyrotyrotomy</strong></td>
<td>31.3</td>
</tr>
<tr>
<td>with tantalum plate</td>
<td>31.69</td>
</tr>
<tr>
<td><strong>Tirofiban (HCL), Infusion</strong></td>
<td>99.20</td>
</tr>
<tr>
<td><strong>Toilette</strong></td>
<td></td>
</tr>
<tr>
<td>skin -- see Debridement, skin or subcutaneous tissue</td>
<td></td>
</tr>
<tr>
<td>tracheostomy</td>
<td>96.55</td>
</tr>
<tr>
<td><strong>Token economy</strong> (behavior therapy)</td>
<td>94.33</td>
</tr>
<tr>
<td><strong>Tomkins operation</strong> (metroplasty)</td>
<td>69.49</td>
</tr>
<tr>
<td><strong>Tomography</strong> -- see also Radiography</td>
<td></td>
</tr>
<tr>
<td>abdomen NEC</td>
<td>88.02</td>
</tr>
<tr>
<td>cardiac</td>
<td>87.42</td>
</tr>
<tr>
<td>computerized axial</td>
<td>88.38</td>
</tr>
<tr>
<td>abdomen</td>
<td>88.01</td>
</tr>
<tr>
<td>bone</td>
<td>88.38</td>
</tr>
<tr>
<td>quantitative</td>
<td>88.98</td>
</tr>
<tr>
<td>brain</td>
<td>87.03</td>
</tr>
<tr>
<td>head</td>
<td>87.03</td>
</tr>
<tr>
<td>kidney</td>
<td>87.71</td>
</tr>
<tr>
<td>skeletal</td>
<td>88.38</td>
</tr>
<tr>
<td>quantitative</td>
<td>88.98</td>
</tr>
<tr>
<td>thorax</td>
<td>87.41</td>
</tr>
<tr>
<td>head NEC</td>
<td>87.04</td>
</tr>
<tr>
<td>kidney NEC</td>
<td>87.72</td>
</tr>
<tr>
<td>lung</td>
<td>87.42</td>
</tr>
<tr>
<td>thorax NEC</td>
<td>87.42</td>
</tr>
<tr>
<td><strong>Tongue tie operation</strong></td>
<td>25.91</td>
</tr>
<tr>
<td><strong>Tonography</strong></td>
<td>95.26</td>
</tr>
<tr>
<td><strong>Tonometry</strong></td>
<td>89.11</td>
</tr>
<tr>
<td><strong>Tonsillectomy</strong></td>
<td>28.2</td>
</tr>
<tr>
<td>with adenoidectomy</td>
<td>28.3</td>
</tr>
<tr>
<td><strong>Tonsillotomy</strong></td>
<td>28.0</td>
</tr>
<tr>
<td><strong>Topectomy</strong></td>
<td>01.32</td>
</tr>
<tr>
<td><strong>Torek (-Bevan) operation</strong> (orchidopexy) (first stage) (second stage)</td>
<td>62.5</td>
</tr>
<tr>
<td><strong>Torkildsen operation</strong> (ventriculocisternal shunt)</td>
<td>02.2</td>
</tr>
<tr>
<td><strong>Torpin operation</strong> (cul-de-sac resection)</td>
<td>70.92</td>
</tr>
<tr>
<td><strong>Toti operation</strong> (dacryocystorhinostomy)</td>
<td>09.81</td>
</tr>
<tr>
<td><strong>Touchas operation</strong> (ventriculocisternal shunt)</td>
<td>86.83</td>
</tr>
<tr>
<td><strong>Touroff operation</strong> (ligation of subclavian artery)</td>
<td>38.85</td>
</tr>
<tr>
<td><strong>Toxicology</strong> -- see Examination, microscopic</td>
<td></td>
</tr>
<tr>
<td>TPN (total parenteral nutrition)</td>
<td>99.15</td>
</tr>
<tr>
<td><strong>Trabeculectomy ab externo</strong></td>
<td>12.64</td>
</tr>
<tr>
<td><strong>Trabeculodialysis</strong></td>
<td>12.59</td>
</tr>
<tr>
<td><strong>Trabeculotomy ab externo</strong></td>
<td>12.54</td>
</tr>
<tr>
<td><strong>Trachelectomy</strong></td>
<td>67.4</td>
</tr>
<tr>
<td><strong>Tracheloexy</strong></td>
<td>69.22</td>
</tr>
<tr>
<td><strong>Tracheloplasty</strong></td>
<td>67.69</td>
</tr>
<tr>
<td><strong>Trachelorrhaphy</strong> (Emmet) (suture)</td>
<td>67.61</td>
</tr>
<tr>
<td>obstetrical</td>
<td>75.51</td>
</tr>
</tbody>
</table>
Trachelotomy 69.95
obstetrical 73.93
Tracheocricotomy (for assistance in breathing) 31.1
Tracheofissure 31.1
Tracheography 87.32
Tracheolaryngotomy (emergency) 31.1
permanent opening 31.29
Tracheoplasty 31.79
with artificial larynx 31.75
Tracheorrhaphy 31.71
Tracheoscopy NEC 31.42
through tracheotomy (stoma) 31.41
Tracheostomy (emergency) (temporary) (for assistance in breathing) 31.1
mediastinal 31.21
permanent NEC 31.29
revision 31.74
Tracheotomy (emergency) (temporary) (for assistance in breathing) 31.1
permanent 31.29
Tracing, carotid pulse with ECG lead 89.56
TRAM (transverse rectus abdominis musculocutaneous) flap of breast 85.7
Traction
with reduction of fracture or dislocation
-- see Reduction, fracture and dislocation
adhesive tape (skin) 93.46
boot 93.46
Bryant's (skeletal) 93.44
Buck's 93.46
caliper tongs 93.41
with synchronous insertion of device 02.94
Cortel's (spinal) 93.42
Crutchfield tongs 93.41
with synchronous insertion of device 02.94
Dunlop's (skeletal) 93.44
gallows 93.46
Gardner Wells 93.41
with synchronous insertion of device 02.94
halo device, skull 93.41
with synchronous insertion of device 02.94
Lyman Smith (skeletal) 93.44
manual, intermittent 93.21
mechanical, intermittent 93.21
Russell's (skeletal) 93.44
skeletal NEC 93.44
intermittent 93.43
skin, limbs NEC 93.46

Traction ---Cont.
spinal NEC 93.42
with skull device (halo) (caliper)
(Crutchfield) (Gardner Wells) (Vinke)
tongs 93.41
with synchronous insertion of device 02.94
Thomas' splint 93.45
Vinke tongs 93.41
with synchronous insertion of device 02.94
Tractotomy
brain 01.32
medulla oblongata 01.32
mesencephalon 01.32
percutaneous 03.21
spinal cord (one-stage) (two-stage) 03.29
trigeminal (percutaneous) (radiofrequency) 04.02
Training (for) (in)
ADL (activities of daily living) 93.83
for the blind 93.78
ambulation 93.22
braille 93.77
crutch walking 93.24
dyslexia 93.71
dysphasia 93.72
esophageal speech(postlaryngectomy) 93.73
gait 93.22
joint movements 93.14
lip reading 93.75
Moon (blind reading) 93.77
orthoptic 95.35
prenatal (natural childbirth) 93.37
prosthetic or orthotic device usage 93.24
relaxation 94.33
speech NEC 93.75
esophageal type 93.73
for correction of defect 93.74
use of lead dog for the blind 93.76
vocational 93.85
Transactional analysis
group 94.44
individual 94.39
Transection -- see also Division
artery (with ligation) -- see also Division, artery 38.80
renal, aberrant (with reimplantation) 39.55
bone -- see also Osteotomy 77.30
fallopian tube (bilateral) (remaining)
(solitary) 66.39
by endoscopy 66.22
unilateral 66.92
isthmus, thyroid 06.91
muscle 83.19
eye 15.13
multiple (two or more muscles) 15.3
hand 82.19
Transection — Cont.

- nerve (cranial) (peripheral) NEC 04.03
- acoustic 04.01
- root (spinal) 03.1
- sympathetic 05.0
- tracts in spinal cord 03.29
- trigeminal 04.02
- vagus (transabdominal) — see also Vagotomy 44.00
- pylorus (with wedge resection) 43.3
- renal vessel, aberrant (with reimplantation) 39.55
- spinal cord tracts 03.29
- nerve root 03.1
- tendon 83.13
- hand 82.11
- uvula 27.71
- vas deferens 63.71
- vein (with ligation) — see also Division, vein 38.80
- renal, aberrant (with reimplantation) 39.55
- varicose (lower limb) 38.59

Transfer, transference

- bone shaft, fibula into tibia 78.47
- digital (to replace absent thumb) 82.69
- finger (to thumb) (same hand) 82.61
to
- finger, except thumb 82.81
- opposite hand (with amputation) 82.69 [84.01]
- toe (to thumb) (with amputation) 82.69 [84.11]
to
- finger, except thumb 82.81
- opposite hand (with amputation) 82.69 [84.01]
- fat pad NEC 86.89
- with skin graft — see Graft, skin, full-thickness
- finger (to replace absent thumb) (same hand) 82.61
to
- finger, except thumb 82.81
- opposite hand (with amputation) 82.69 [84.01]
- muscle origin 83.77
- hand 82.58
- nerve (cranial) (peripheral) (radial anterior) (ulnar) 84.6
- pedicle graft 86.74
- pes anserinus (tendon) (repair of knee) 81.47
- tarsococonjunctival flap, from opposing lid 08.64
- tendon 83.75
- hand 82.56
- pes anserinus (repair of knee) 81.47
- toe-to-thumb (free) (pedicle) (with amputation) 82.69 [84.11]

Transfixion — see also Fixation
- iris (bombe) 12.11

Transfusion (of) 99.03
- antihemophilic factor 99.06
- antivenin 99.16
- autologous blood collected prior to surgery 99.02
- intraoperative 99.00
- perioperative 99.00
- postoperative 99.00

Transfusion (of) — Cont.
- previously collected 99.02
- salvage 99.00
- blood (whole) NOS 99.03
- expander 99.08
- surrogate 99.09
- bone marrow 41.00
- allogeneic 41.03
- with purging 41.02
- allograft 41.03
- with purging 41.02
- autograft 41.01
- with purging 41.09
- autologous 41.01
- with purging 41.09
- coagulation factors 99.06
- Dextran 99.08
- exchange 99.01
- intraperitoneal 75.2
- in utero (with hysterotomy) 75.2
- exsanguination 99.01
- gamma globulin 99.14
- granulocytes 99.09
- hemodilution 99.03
- intrauterine 75.2
- packed cells 99.04
- plasma 99.07
- platelets 99.05
- replacement, total 99.01
- serum NEC 99.07
- substitution 99.01
- thrombocytes 99.05

Transillumination
- nasal sinuses 89.35
- skull (newborn) 89.16

Translumbar aortogram 88.42

Transplant, transplantation

Note: To report donor source:
- cadaver 00.93
- live non-related donor 00.92
- live related donor 00.91
- live unrelated donor 00.92
- artery 39.59
- renal, aberrant 39.55
- autotransplant — see Reimplantation
- blood vessel 39.59
- renal, aberrant 39.55
Transplant, transplantation ---Cont.

bone -- see also Graft, bone 78.00
  marrow 41.00
    allogeneic 41.03
    with purging 41.02
    autograft 41.01
    with purging 41.02
    autograft 41.01
    with purging 41.09
    autologous 41.01
    with purging 41.09
    stem cell
      allogeneic (hematopoietic) 41.05
        with purging 41.08
      autologous (hematopoietic) 41.04
        with purging 41.07
    cord blood 41.06
  stem cell
    allogeneic (hematopoietic) 41.05
      with purging 41.08
    autologous (hematopoietic) 41.04
      with purging 41.07
    cord blood 41.06
combined heart-lung 33.6
conjunctiva, for pterygium 11.39
conveal -- see also Keratoplasty 11.60
dura 02.12
fascia 83.82
  hand 82.72
fingert (replacing absent thumb) (same hand) 82.61
  to
    finger, except thumb 82.81
    opposite hand (with amputation) 82.69 [84.01]
gracilis muscle (for) 83.77
  anal incontinence 49.74
  urethrovessical suspension 59.71
hair follices
  eyebrow 08.63
  eyelid 08.63
  scalp 86.64
heart (orthotopic) 37.51
  combined with lung 33.6
  ileal stoma to new site 46.23
intestine 46.97
Islets of Langerhans (cells) 52.86
  allotransplantation of cells 52.85
  autotransplantation of cells 52.84
  heterotransplantation 52.85
  homotransplantation 52.84
kidney NEC 55.69
liver 50.59
  auxiliary (permanent) (temporary)
  (recipient's liver in situ) 50.51
  cells into spleen via percutaneous
  catheterization 38.91

Transplant, transplantation ---Cont.

  lung 33.50
    bilateral 33.50
    combined with heart 33.6
    double 33.52
    single 33.51
    unilateral 33.51
  lymphatic structure(s) (peripheral) 40.9
  mammary artery to myocardium or
  ventricular wall 36.2
  muscle 83.77
    gracilis (for) 83.77
    anal incontinence 49.74
    urethrovessical suspension 59.71
    hand 82.58
    temporalis 83.77
    with orbital exenteration 16.59
  nerve (cranial) (peripheral) 04.6
  ovary 65.92
  pancreas 52.80
    heterotransplant 52.83
    homotransplant 52.82
  Islets of Langerhans (cells) 52.86
    allotransplantation of cells 52.85
    autotransplantation of cells 52.84
    heterotransplantation 52.85
    homotransplantation 52.84
  reimplantation 52.81
  pes anserinus (tendon) (repair of knee) 81.47
  renal NEC 55.69
    vessel, aberrant 39.55
  salivary duct opening 26.49
  skin -- see Graft, skin
  spermatic cord 63.53
  spleen 41.94
  stem cells
    allogeneic (hematopoietic) 41.05
      with purging 41.08
    autologous (hematopoietic) 41.04
      with purging 41.07
    cord blood 41.06
  tendon 83.75
    hand 82.56
    pes anserinus (repair of knee) 81.47
    superior rectus (blepharoptosis) 08.36
  testis to scrotum 62.5
  thymus 07.94
  thyroid tissue 06.94
  toe (replacing absent thumb) (with
  amputation) 82.69 [84.11]
    to finger, except thumb 82.81 [84.11]
  tooth 23.5
  ureter to
    bladder 56.74
    ileum (external diversion) 56.51
    internal diversion only 56.71
  intestine 56.71
  skin 56.61
Transplant, transplantation---Cont.
  vein (peripheral) 39.59
  renal, aberrant 39.55
  vitreous 14.72
  anterior approach 14.71
Transposition
  extraocular muscles 15.5
  eyelash flaps 08.63
  eye muscle (oblique) (rectus) 15.5
  finger (replacing absent thumb) (same hand) 82.61
  to finger, except thumb 82.81
  opposite hand(with amputation) 82.69 [84.01]
  interatrial venous return 35.91
  jejunal (Henley) 43.81
  joint capsule -- see also Arthroplasty 81.96
  muscle NEC 83.79
  extraocular 15.5
  hand 82.59
  nerve (cranial) (peripheral) (radial
  anterior) (ulnar) 04.6
  nipple 85.86
  pterygium 11.31
  tendon NEC 83.76
  hand 82.57
  vocal cords 31.69
Transureteroureterostomy 56.75
Transversostomy --see also Colostomy 46.10
Trapping, aneurysm (cerebral) 39.52
Trauner operation (lingual sulcus
  extension) 24.91
Trephination, trephining
  accessory sinus -- see Sinusotomy 21.69
  cranium 01.24
  nasal sinus -- see Sinusotomy
  sclera (with iridectomy) 12.61
Trial (failed) forceps 73.3
Trigonectomy 57.6
Trimming, amputation stump 84.3
Triple arthrodesis 81.12
Trochanterplasty 81.40
Tsuge operation (macrodactyly repair) 82.83
Tuck, tucking -- see also Plication
  eye muscle 15.22
  multiple (two or more muscles) 15.4
  levator palpebrae, for blepharoptosis 08.34

Tudor "rabbit ear" operation (anterior
  urethropexy) 59.79
Tuffier operation
  apicolyis of lung 33.39
  vaginal hysterectomy 68.59
  laparoscopically assisted (LAVH) 68.51
TULIP (transurethral ultrasound guided laser
  induced prostectomy) 60.21
TUNA (transurethral needle ablation) of
  prostate 60.97
TUMT (transurethral microwave
  thermotheraphy) of prostate 60.96
Tunnel, subcutaneous (antethoracic) 42.86
  esophageal 42.68
  with anastomosis - see Anastomosis,
  esophagus,antesternal 42.68
  pulse generator lead wire 86.99
  with initial procedure - omit code
Turbinectomy (complete) (partial) NEC 21.69
  by
cryo-surgery 21.61
  diathermy 21.61
  with sinusectomy -- see Sinusectomy
Turco operation (release of joint capsules in
  clubfoot) 80.48
TURP(transurethral resection of prostate) 60.29
Tylectomy (breast) (partial) 85.21
Tympanectomy 20.59
  with tympanoplasty -- see Tympanoplasty
Tympanogram 95.41
Tympanomastoidectomy 20.42
Tympanoplasty (type I) (with graft) 19.4
  with
  air pocket over round window 19.54
  fenestra in semicircular canal 19.55
  graft against
  incus or malleus 19.52
  mobile and intact stapes 19.53
  incudostapediopexy 19.52
  epitympanic, type I 19.4
  revision 19.6
  type
  II (graft against incus or malleus) 19.52
  III (graft against mobile and intact
  stapes) 19.53
  IV (air pocket over round window) 19.54
  V (fenestra in semicircular canal) 19.55
Tympanosympathectomy 20.91
Tympanotomy 20.91
  with intubation 20.01
Uchida operation (tubal ligation with or without fimbriectomy) 66.32
UFR (uroflowmetry) 89.24
Ultrafiltration 99.78
  hemodiafiltration 39.95
  hemodialysis (kidney) 39.95
  removal, plasma water 99.78
  therapeutic plasmapheresis 99.71
Ultrasonography
  abdomen 88.76
  aortic arch 88.73
  biliary tract 88.74
  breast 88.73
  deep vein thrombosis 88.77
  digestive system 88.74
  eye 95.13
  head and neck 88.71
  heart 88.72
  intestine 88.74
  intravascular - see Ultrasound, intravascular (IVUS)
    lung 88.73
    midline shift, brain 88.71
    multiple sites 88.79
    peripheral vascular system 88.77
    retroperitoneum 88.76
    thorax NEC 88.73
    therapeutic - see Ultrasound
    total body 88.79
    urinary system 88.75
    uterus 88.79
    gravid 88.78
Ultrasound
  diagnostic -- see Ultrasonography
    fragmentation (of)
      cataract (with aspiration) 13.41
      urinary calculus, stones (Kock pouch) 59.95
    heart
      intracardiac (heart chambers)(ICE)37.28
      intravascular (coronary vessels)(IVUS) 00.24
      non-invasive 88.72
    inner ear 20.79
    intravascular (IVUS) 00.29
      aorta 00.22
      aortic arch 00.22
      cerebral vessel, extracranial 00.21
      coronary vessel 00.24
      intrathoracic vessel 00.22
      other specified vessel 00.28
      peripheral vessel 00.23
      renal vessel 00.25
      vena cava (inferior) (superior) 00.22
  Ultrasound---Cont.
    therapeutic
      head 00.01
      heart 00.02
      neck 00.01
      other therapeutic ultrasound 00.09
      peripheral vascular vessels 00.03
      vessels of head and neck 00.01
      therapy 93.35
Umbilectomy 54.3
Unbridling
  blood vessel, peripheral 39.91
  celiac artery axis 39.91
Uncovering -- see Incision, by site
Undercutting
  hair follicle 86.09
  perianal tissue 49.02
Unroofing -- see also Incision, by site
  external
    auditory canal 18.02
    ear NEC 18.09
    kidney cyst 55.39
UPP (urethral pressure profile) 89.25
Upper GI series (x-ray) 87.62
UPPP (uvulopalatopharyngoplasty) 27.69 [29.4]
Uranoplasty (for cleft palate repair) 27.62
Uranorrhaphy (for cleft palate repair) 27.62
Uranostaphylorrhaphy 27.62
Urban operation (mastectomy)(unilateral) 85.47
  bilateral 85.48
Ureterectomy 56.40
  with nephrectomy 55.51
  partial 56.41
  total 56.42
Ureterococostomy 56.71
Ureterocolecctomy 56.41
Ureterocolostomy 56.71
Ureterocystostomy 56.74
Ureterointerostomy 56.71
Ureteroileostomy (internal diversion) 56.71
  external diversion 56.51
Ureterolithotomy 56.2
Ureterolysis 59.02
  with freeing or repositioning of ureter 59.02
  laparoscopic 59.03
Ureteroneocystostomy 56.74
Ureteropexy 56.85
Ureteroplasty 56.89
Ureteroplication 56.89
Ureteroproctostomy 56.71
Ureteropyelography (intravenous) (diuretic infusion) 87.73
  percutaneous 87.75
  retrograde 87.74
Ureteropyeloplasty 55.87
Ureteropyelostomy 55.86
Ureterorrhaphy 56.82
Ureteroscopy 56.31
with biopsy 56.33
Ureterosigmoidostomy 56.71
Ureterostomy (cutaneous) (external) (tube) 56.61
closure 56.83
ileal 56.51
Ureterotomy 56.2
Ureteroureterostomy (crossed) 56.75
lumbar 56.41
resection with end-to-end anastomosis 56.41
spatulated 56.41
Urethral catheterization, indwelling 57.94
Urethral pressure profile (UPP) 89.25
Urethrectomy (complete) (partial) (radical) 58.39
with
  complete cystectomy 57.79
  pelvic exenteration 68.8
  radical cystectomy 57.71
Urethrocytography (retrograde)(voiding) 87.76
Urethrocytopexy (by) 59.79
  levator muscle sling 59.71
  retropubic suspension 59.5
  suprapubic suspension 59.4
Urethrolithotomy 58.0
Urethrolysis 58.5
Urethropexy 58.49
  anterior 59.79
Urethroplasty 58.49
  augmentation 59.79
  collagen implant 59.72
  fat implant 59.72
  injection (endoscopic) of implant into urethra 59.72
  polytef implant 59.72
Urethrorrhaphy 58.41
Urethroscopy 58.22
  for control of hemorrhage of prostate 60.94
  perineal 58.21
Urethrostomy (perineal) 58.0
Urethrotomy (external) 58.0
  internal (endoscopic) 58.5
Uroflowmetry (UFR) 89.24
Urography (antegrade) (excretory) (intravenous) 87.73
  retrograde 87.74
Uteropexy (abdominal approach) (vaginal approach) 69.22
UVP (uvulopalatopharyngoplasty) 27.69 [29.4]
Uvulectomy 27.72
Uvulopalatopharyngoplasty (UPPP) 27.69 [29.4]
Uvulotomy 27.71
Vaccination (prophylactic) (against) 99.59
   anthrax 99.55
   brucellosis 99.55
   cholera 99.31
   common cold 99.51
   disease NEC 99.55
   arthropod-borne viral NEC 99.54
   encephalitis, arthropod-borne viral 99.53
   German measles 99.47
   hydrophobia 99.44
   infectious parotitis 99.46
   influenza 99.52
   measles 99.45
   mumps 99.46
   paratyphoid fever 99.32
   pertussis 99.37
   plague 99.34
   poliomyelitis 99.41
   rables 99.44
   Rocky Mountain spotted fever 99.55
   rubella 99.47
   rubeola 99.45
   smallpox 99.42
   Staphylococcus 99.55
   Streptococcus 99.55
   tuberculosis 99.33
   tumor 99.28
   typhoid 99.32
   typhus 99.55
   undulant fever 99.55
   yellow fever 99.43
Vacuum extraction, fetal head 72.79
   with episiotomy 72.71
VAD (vascular access device) - see Implant, heart assist system
Vagotomy (subdiaphragmatic) -- see also
   Vagotomy 44.00
Vaginal douche 96.44
Vaginectomy 70.4
Vaginofixation 70.77
Vaginoperineotomy 70.14
Vaginoplasty 70.79
Vaginorrhaphy 70.71
   obstetrical 75.69
Vaginoscopy 70.21
Vaginotomy 70.14
   for
   culdocentesis 70.0
   pelvic abscess 70.12
Vagotomy (gastric) 44.00
   parietal cell 44.02
   selective NEC 44.03
   highly 44.02
Vagotomy ----Cont.
   Holle's 44.02
   proximal 44.02
   truncal 44.01
Valvotomy -- see Valvulotomy
Valvulectomy, heart --see Valvuloplasty, heart
Valvuloplasty
   heart (open heart technique) (without valve replacement) 35.10
   with prosthesis or tissue graft
     -- see Replacement, heart, valve, by site
   aortic valve 35.11
   percutaneous (balloon) 35.96
   combined with repair of atrial and ventricular septal defects -- see
     Repair, endocardial cushion defect
   mitral valve 35.12
   percutaneous (balloon) 35.96
   pulmonary valve 35.13
   in total repair of tetralogy of Fallot 35.81
   percutaneous (balloon) 35.96
   tricuspid valve 35.14
Valvulotomy
   heart (closed heart technique) (transatrial) (transventricular) 35.00
   aortic valve 35.01
   mitral valve 35.02
   open heart technique -- see Valvuloplasty, heart
   pulmonary valve 35.03
   in total repair of tetralogy of Fallot 35.81
   tricuspid valve 35.04
Varicocelectomy, spermatic cord 63.1
Varicotomy, peripheral vessels (lower limb) 38.59
   upper limb 38.53
Vascular closure, percutaneous puncture - omit code
Vascularization -- see Revascularization
Vasectomy (complete) (partial) 63.73
Vasogram 87.94
Vasoligation 63.71
   gastric 38.86
Vasorrhaphy 63.81
Vasostomy 63.6
Vasotomy 63.6
Vasotripsy 63.71
Vasovasostomy 63.82
Vectorcardiogram (VCG) (with ECG) 89.53
Venectomy -- see Phlebectomy
Venipuncture NEC **38.99** for injection of contrast material
-- see Phlebography
Venography -- see Phlebography
Venorrhaphy **39.32**
Venotomy **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**
Venotrictisy **39.98**
Venovenostomy **39.29**
Ventilation
  bi-level airway pressure **93.90**
  continuous positive airway pressure
  [CPAP] **93.90**
  endotracheal respiratory assistance
  -- see category **96.7**
  intermittent mandatory ventilation [IMV]
  -- see category **96.7**
  intermittent positive pressure breathing
  [IPPB] **93.91**
  mechanical
  endotracheal respiratory assistance
  -- see category **96.7**
  intermittent mandatory ventilation
  [IMV] -- see category **96.7**
  other continuous (unspecified duration) **96.70**
  for less than 96 consecutive hours **96.71**
  for 96 consecutive hours or more **96.72**
  positive and expiratory pressure [PEEP]
  -- see category **96.7**
  pressure support ventilation [PSV]
  -- see category **96.7**
  negative pressure (continuous) [CNP] **93.99**
  non-invasive positive pressure (NIPPV) **93.90**
Ventriculoseptopexy -- see also Repair, ventricular septal defect **35.72**
Ventriculoseptoplasty -- see also Repair, ventricular septal defect **35.72**
Ventriculostomy **02.2**
Ventriculotomy cerebral **02.2**
  heart **37.11**
Ventriculoureterostomy **02.35**
Ventriculovenostomy **02.32**
Ventriculography (cerebral) **87.02**
  cardiac
  left ventricle (outflow tract) **88.53**
  combined with right heart **88.54**
  right ventricle (outflow tract) **88.52**
  combined with left heart **88.54**
  radionuclide cardiac **92.05**
Ventriculomyocardiotomy **37.11**
Ventriculoperitoneostomy **02.34**
Ventriculopuncture **01.09**
  through previously implanted catheter or reservoir (Ommaya) (Rickham) **01.02**
Ventrolithotomy (suprapubic) **57.19**
Vesicostomy **57.21**
Vesicourethralplasty **57.85**
Vesiculogram, seminal **87.92**
  with radical prostatectomy **60.5**
Vesiculography, seminal **87.92**
  contrast **87.91**
Vesiculotomy **60.72**
Vestibuloplasty (buccolabial) (lingual) **24.91**
Vestibuloplasty **20.79**
Vicq D'azyr operation (larynx) **31.1**
Vidal operation (varicocele ligation) **63.1**
Vidianectomy **05.21**
Villusctomy -- see also Synovectomy **80.70**
Vision check **95.09**
Visual evoked potential (VEP) **95.23**
Vitrectomy (mechanical) (posterior approach) **14.74**
  with scleral buckling **14.49**
  anterior approach **14.73**
Vocational
  assessment **93.85**
  retraining **93.85**
  schooling **93.82**
Voice training (postlaryngectomy) **93.73**
von Krask operation (proctectomy) **48.64**
Voss operation (hanging hip operation) **83.19**
Vulpius (Comper) operation (lengthening of gastrocnemius muscle) **83.85**
### ICD-9-CM INDEX TO PROCEDURES (FY07)

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Vulvectomy (bilateral) (simple)</strong></td>
<td>71.62</td>
</tr>
<tr>
<td>partial (unilateral)</td>
<td>71.61</td>
</tr>
<tr>
<td>radical (complete)</td>
<td>71.5</td>
</tr>
<tr>
<td>unilateral</td>
<td>71.61</td>
</tr>
<tr>
<td><strong>V-Y operation (repair)</strong></td>
<td></td>
</tr>
<tr>
<td>bladder</td>
<td>57.89</td>
</tr>
<tr>
<td>neck</td>
<td>57.85</td>
</tr>
<tr>
<td>ectropion</td>
<td>08.44</td>
</tr>
<tr>
<td>lip</td>
<td>27.59</td>
</tr>
<tr>
<td>skin (without graft)</td>
<td>86.89</td>
</tr>
<tr>
<td>subcutaneous tissue (without skin graft)</td>
<td>86.89</td>
</tr>
<tr>
<td>tongue</td>
<td>25.59</td>
</tr>
<tr>
<td><strong>Wada test (hemispheric function)</strong></td>
<td>89.10</td>
</tr>
<tr>
<td><strong>Ward-Mayo operation (vaginal hysterectomy)</strong></td>
<td>68.59</td>
</tr>
<tr>
<td>laparoscopically assisted (LAVH)</td>
<td>68.51</td>
</tr>
<tr>
<td><strong>Washing</strong> -- see Lavage and Irrigation</td>
<td></td>
</tr>
<tr>
<td><strong>Waterston operation (aorta-right pulmonary artery anastomosis)</strong></td>
<td>39.0</td>
</tr>
<tr>
<td><strong>Watkins (-Wertheim) operation (uterus interposition)</strong></td>
<td>69.21</td>
</tr>
<tr>
<td><strong>Watson-Jones operation</strong></td>
<td></td>
</tr>
<tr>
<td>hip arthrodesis</td>
<td>81.21</td>
</tr>
<tr>
<td>reconstruction of lateral ligaments, ankle</td>
<td>81.49</td>
</tr>
<tr>
<td>shoulder arthrodesis (extra-articular)</td>
<td>81.23</td>
</tr>
<tr>
<td>tenoplasty</td>
<td>83.88</td>
</tr>
<tr>
<td><strong>Webbing (syndactylization)</strong></td>
<td>86.89</td>
</tr>
<tr>
<td><strong>Weir operation</strong></td>
<td></td>
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<td>appendicostomy</td>
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<td>correction of nostrils</td>
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<tr>
<td><strong>Wertheim operation (radical hysterectomy)</strong></td>
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<td>laparoscopic</td>
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<td><strong>West operation (dacryocystorhinostomy)</strong></td>
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<td><strong>Wheeler operation</strong></td>
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<tr>
<td>entropion repair</td>
<td>08.44</td>
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<tr>
<td>halving procedure (eyelid)</td>
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<td><strong>Whipple operation (radical pancreaticoduodenectomy)</strong></td>
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<tr>
<td>Child modification (radical subtotal pancreatectomy)</td>
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<tr>
<td>Rodney Smith modification (radical subtotal pancreatectomy)</td>
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<tr>
<td><strong>White operation (lengthening of tendon calcaneus by incomplete tenotomy)</strong></td>
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<td><strong>Whitehead operation</strong></td>
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<td>glossectomy, radical</td>
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<td><strong>V-Y operation (repair)</strong></td>
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<td>bladder</td>
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<td>neck</td>
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<td>ectropion</td>
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<tr>
<td>lip</td>
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<tr>
<td>skin (without graft)</td>
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<tr>
<td>subcutaneous tissue (without skin graft)</td>
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<td>tongue</td>
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<td><strong>Whitman operation</strong></td>
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<td>foot stabilization (talectomy)</td>
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<td>hip reconstruction</td>
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<td>repair of serratus anterior muscle</td>
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<td>talectomy</td>
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<td>trochanter wedge osteotomy</td>
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<td><strong>Wier operation (entropion repair)</strong></td>
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<td><strong>Williams-Richardson operation (vaginal construction)</strong></td>
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<td><strong>Wilms operation (thoracoplasty)</strong></td>
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<td><strong>Wilson operation (angulation osteotomy for hallux valgus)</strong></td>
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<td><strong>Window operation</strong></td>
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<td>antrum (nasal sinus)--see Antrotomy, maxillary</td>
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<td>aorticopulmonary</td>
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<td>bone cortex -- see also Incision, bone</td>
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<td>facial</td>
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<td>nasoantral -- see Antrotomy, maxillary</td>
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<td>pericardium</td>
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<td><strong>Winiwarter operation</strong></td>
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<td>(cholecystoenterostomy)</td>
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<td><strong>Wiring</strong></td>
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<td>aneurysm</td>
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<tr>
<td>dental (for immobilization)</td>
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<td>with fracture-reduction -- see Reduction, fracture</td>
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<td><strong>Wirsungojejunostomy</strong></td>
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<td><strong>Witzel operation (temporary gastrotomy)</strong></td>
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<td><strong>Woodward operation (release of high riding scapula)</strong></td>
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<tr>
<td><strong>Wrapping, aneurysm</strong> (gauze) (methyl methacrylate) (plastic)**</td>
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**456**
X

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<th>Procedure</th>
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<td>Xenograft</td>
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<td>Xerography, breast</td>
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<td>Xeromammography</td>
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<tr>
<td>Xiphoidectomy</td>
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</tbody>
</table>

X-ray

- chest (routine) 87.44
- wall NEC 87.39
- contrast -- see Radiography, contrast
- diagnostic -- see Radiography
- injection of radio-opaque substance -- see Radiography, contrast
- skeletal series, whole or complete 88.31
- therapeutic -- see Therapy, radiation

Y

Young operation

- epispadias repair 58.45
- tendon transfer (anterior tibialis) (repair of flat foot) 83.75

Yount operation (division of iliotibial band) 83.14

Z

Zancolli operation

- capsuloplasty 81.72
- tendon transfer (biceps) 82.56

Ziegler operation (iridectomy) 12.14

Zonulolysis (with lens extraction) -- see also Extraction, cataract, intracapsular 13.19

Z-plasty

- epicanthus 08.59
- eyelid -- see also Reconstruction, eyelid 08.70
- hypopharynx 29.4
- skin (scar) (web contracture) 86.84 with excision of lesion 86.3