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# Software Requirements Specification



for

## Thousand Smiles Digital Charts – Anesthesia Subsystem

Version 0.9

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Thousand Smiles Foundation

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## Revision History

Name	Date	Reason For Changes	Version
Syd Logan	03/08/2021	Original	0.9

# 1. Introduction

## 1.1 Purpose

The purpose of this document is to outline the basic requirements associated with the Anesthesia portion of the Thousand Smiles Digital Chart. The overall requirements of the system are described in a separate document. This document focuses specifically on Surgery Screening requirements that were gathered via interviews with the primary stakeholders.

The scope of this design is the data and interfaces used to record, view, and edit patient records that record anesthesiology-related data. This data is collected prior to, during, and after surgery. Thus, there are three separate bodies of data collected and stored, and broadly speaking, three separate user interfaces that are considered in this this document.

## 1.2 Document Conventions

There are no specific conventions associated with this document.

## 1.3 Intended Audience and Reading Suggestions

The intended audience includes:

***Thousand Smiles Board Members:*** Board members should read this document to become familiar with the overall overall scope of Anesthesiology in the digital charts project. This knowledge may prove helpful as background when evaluating logistics and expenditures associated with the implementation of the system, e.g., equipment purchases.

***Implementation Team:*** This document spells out requirements which guide the implementation of the system. It is not intended to be a design document, rather it spells out the requirements that a design must follow to be considered valid.

***Anesthesiologists:*** This document must be read and approved by the end user(s) of the system, the anesthesiologists. Surgeons and nurses who are involved with the care of the patient and who might need to be involved with its design should read this document, though it is optional. This document will likely go through some number of revisions towards eventual approval. During this phase, the document should be read critically to identify omissions, errors, and changes so that they can be dealt with.

## 1.4 Product Scope

The anesthesiology portion of the digital chart is intended to provide anesthesiologists and nurses post surgery with the following capabilities:

- Allow the anesthesiologist to record a pre-operative evaluation of the patient. In this document, this is referred to as “pre-operative” data.
- Allow the anesthesiologist to refer to the pre-operative data collected above, and to record data related to anesthesiology during the surgery. In this document, data collected during surgery is referred to as “intra-operative” data.

- Allow nurse(s) to view and edit both the pre-operative and intra-operative anesthesiology data, and record post-operative data.
- Ability for all to view data (pre-, intra-, and post-operative) recorded for a patient at past clinics.
- Eliminate the need for paper charts to the extent possible.

The benefits we hope to realize by digitally recording anesthesia-related data include:

- Increased access to data by other specialists. We aim to make the data recorded by the anesthesiologist and nurses more easily located and viewed by other specialists involved with the care of the child during his or her visit at one of our clinics
- Increased reporting functionality. Migrating to a database-backed chart allows the organization to more readily generate reports; for example, number of children, types and numbers of procedures, incident counting (e.g., number of children seen with a specific condition). This data could be used for various purposes, both clinical and administrative in nature.

## **1.5 References**

This document makes reference to the following documents

- *Software Requirements Specification for Thousand Smiles Digital Charts – Surgery Reports*  
[https://github.com/slogan621/tscharts/blob/master/docs/requirements/pdf/surgeryapp\\_requirements\\_0.9.pdf](https://github.com/slogan621/tscharts/blob/master/docs/requirements/pdf/surgeryapp_requirements_0.9.pdf)
- *Standard Official Mexicana NOM-024-SSA3-2010*  
[https://github.com/slogan621/tscharts/blob/master/docs/nom/NOM-024-SSA3-2012\\_English.pdf](https://github.com/slogan621/tscharts/blob/master/docs/nom/NOM-024-SSA3-2012_English.pdf)

## **2. Chart Content**

### **2.1 Overview**

There are three points in time, relative to a patient surgery, when anesthesiology-related data is created and/or viewed:

- Pre-surgery
- Intra-surgery
- Post-surgery

#### **2.1.1 Pre-surgery**

Prior to a surgery, the anesthesiologist performs a pre-surgery evaluation of the patient. This evaluation collects basic information related to the surgery of relevance to the anesthesiologist. This data is general in nature, including patient name, drug allergies, and the type of surgery to be performed. Refer to Section 2.2 for details on the data collected, and Section 3.2 for user-interface requirements associated with this phase.

#### **2.1.2 Intra-surgery**

The intra-surgery phase represents the time that patient is actually in surgery. It is during this phase that most of the data for the patient and the surgery is recorded by the anesthesiologist. Much of this data is temporal in nature, collected at pre-defined intervals during the surgery. As an example, blood pressure is typically collected at 15-minute intervals. During this time, access to the pre-surgery data must be provided. Refer to Section 2.3 for details on the data collected, and Section 3.3 for user-interface requirements associated with this phase.

#### **2.1.3 Post-surgery**

Post-surgery, nurses need to be able to access both the pre-surgery and intra-surgery data in order to make informed decisions regarding post-operative care of the patient. Refer to Section 2.4 for details on the data collected, and Section 3.4 for user-interface requirements associated with this phase.

### **2.2 Pre-surgery Data**

This section lists the data items collected during pre-surgery phase by the anesthesiologist. Some of this data will be pre-filled by referring to data already collected for the patient, for example, at registration time.

Item Name	Data Type	Range, Possible Values	Example	Required	Pre-filled	Comment

Patient Name	String	LAST, Mother last, First, Middle	GOMEZ, Perez, Alicia, Maria	Y	Y	
Date of Birth	Date	DDMMYY YYY	12OCT2020	Y	Y	
ID	Numeric		1015	Y	Y	
Height	Numeric	Centimeters, [0 - 213]	20	Y	Y	
Weight	Numeric	Kilograms [1-180]	4	Y	Y	Whole number rounded to nearest value
Today's Date	Date	DDMMYY YYY	03AUG2022	Y	Y	System clock
Planned Procedures	List/ Enumeration	See Section 2.2.1 for list of procedures.		Y	N	
Surgeons	List of String	Last, First, title		Y	N	M.D., D.O., DMD, DDS
Anesthesiologist	String	Last, First, title		Y	N	M.D., D.O., DMD, DDS
Indications for Surgery	List/ Enumeration	See Section 2.2.1 for list of procedures		Y	N	
PMHx	List/ Enumeration	See Section 2.2.2 for list		Y	Y	Initialized with data from registration medical history. Can be modified. Includes immunizations, COVID-vaccinations which currently we do not collect at registration time.
PSXx	List/ Enumeration	Date, Surgery Type, Notes.		Y	Y	Not collected at registration

		See Section 2.2.3 for list of surgery, procedure codes.				time. Initialized with data collected from previous evaluations.
Anesthetic History	Yes/No questions, text	See Section 2.2.4		Y	Y	Pre-filled with data from previous surgeries recorded in our database.
Medications	Enumeration	FDA Drug database		Y	Y	Collected at registration time, editable (add, remove)
Allergies	Enumeration	FDA Drug database		Y	Y	Collected at registration time, editable (add, remove)
Laboratory and other special studies	Test, Value, OK For surgery	See Section 2.2.5.		Y	Y	
Vital Signs	Name, Value	See Section 2.2.6.		Y	Y	
AW Exam						
MP Class	Numeric	1-4		Y	N	
Prognathia	Boolean	Yes/No		Y	N	
Retrognathic	Boolean	Yes/No		Y	N	
Mandibular distance	Centimeters	2-6		Y	N	
Mouth opening	Centimeters	1-6		Y	N	
Thick Neck	Boolean	Yes/No		Y	N	
Limited	Boolean	Yes/No		Y	N	

Extension						
Prominent Dentition	Boolean	Yes/No		Y	N	
Large Tongue	Boolean	Yes/No		Y	N	
Prior or likely difficult airway	Boolean	Yes/No		Y	N	
Cardiac						
Rhythm	Enumeration	Regular, Irregular		Y	N	Choose one
Murmur Grade	Location, grade	See Section 2.2.7		Y	N	1 record per location???
Prominent Apical Impulse	Boolean	True/False		Y	N	
Pulmonary				N	N	Consists of one of more items, each described by Category, Location, Upper or Lower, Anterior or Posterior
Category	Enumeration	Bilateral, Wheezes, Rales, Crackles		Y		
Location	Enumeration	Right/Left		Y		
Upper or Lower	Enumeration	Upper/Lower		Y		
Anterior or Posterior	Enumeration	Anterior/Posterior		Y		
Pulses				Y		One or more record, based on location (left, right)
Prominent or Faint	Enumeration	Prominent/Faint		Y	N	
Radial or DP	Enumeration	Radial/DP		Y	N	
Location	Enumeration	Right/Left		Y	N	



IV Access				N	N	One or more records describing potential IV access points
Visibility	Enumeration	Visible, Faint, or Prominent		Y	N	
Location	Enumeration	UE or LE		Y	N	
Anesthetic Plan	Enumeration	GA/MAC		Y	N	Choose one
Details	Enumeration	ETT, LMA, Mask,		Y	N	Choose one or more
Anesthetic Type	Enumeration	Regional or Local		Y	N	Choose one

### 2.2.1 Planned Procedures and Indications for Surgery

The following is a list of planned procedures and indications for surgery. Except where indicated these are based on ICD billing codes Q37 (see <https://icd.codes/icd10cm/Q37> for details).

- Cleft hard palate with bilateral cleft lip
- Cleft hard palate with unilateral cleft lip
- Cleft soft palate with bilateral cleft lip
- Cleft soft palate with unilateral cleft lip
- Cleft hard and soft palate with bilateral cleft lip
- Cleft hard and soft palate with unilateral cleft lip
- Unspecified cleft palate with bilateral cleft lip
- Unspecified cleft palate with unilateral cleft lip
- Fistula (not Q37)
- Extra-Aveolar Tooth (not Q37)
- Aveolar Defect (not Q37)
- Tubes (not Q37)

### 2.2.2 PMHx

The idea here is to prefill using the medical history obtained at registration. To this, we augment specific items that are of interest to the anesthesiologist.

Here are the items we currently collect outside at registration time. Most of these are yes/no or true/false responses obtained from the patient or the parent(s) at registration.

- cold\_cough\_fever
- hiv aids
- anemia

- athsma
- cancer
- congenitalheartdefect
- congenitalheartdefect\_workup
- congenitalheartdefect\_planforcare
- diabetes
- epilepsy
- bleeding\_problems
- hepatitis
- tuberculosis
- troublespeaking
- troublehearing
- troubleeating
- pregnancy\_duration
- pregnancy\_smoke
- birth\_complications
- pregnancy\_complications
- mother\_alcohol
- relative\_cleft
- parents\_cleft
- siblings\_cleft
- first\_crawl
- first\_sit
- first\_words
- first\_walk
- birth\_weight
- height
- weight

As far as vaccinations are concerned, we might want to augment the registration process to query for these. A list of such vaccinations is available here <https://www.cdc.gov/vaccines/schedules/hcp/imz/child-adolescent.html#vaccines-schedule> to which we might add COVID-19 and number of dosages. The anesthesiologist can then review this information which was obtained at registration, and perhaps modify based on patient/parent interview at time of pre-surgery screening.

### **2.2.3 PSXx/ICD-9-CM Codes**

See Appendix A for complete list of the surgery procedure codes. These codes will be located in the database and searchable, similar to the FDA drug database and Dental CDT code databases currently in use by our system.

### **2.2.4 Anesthetic History**

The following table describes the Anesthetic History data recorded in the database.

Item Name	Data Type	Range, Possible Values	Example	Required	Default Value
Problem with Prior Anesthetics	Boolean	Yes/No		Y	No
Malignant Hypothermia	Boolean	Yes/No		Y	No
PONV	Boolean	Yes/No		Y	No
PONV Description	Text	0 to 1024 characters		N	“”
Motion Sickness	Boolean	Yes/No		Y	No
Motion Sickness Description	Text	0 to 1024 characters		N	“”
Transfusion Required	Boolean	Yes/No		Y	No
Transfusion Required Description	Text	0 to 1024 characters		N	“”
Other	Boolean	Yes/No		Y	No
Other Description	Text	0 to 1024 characters		N	“”

### **2.2.5 Laboratory**

The following table describes the laboratory data recorded in the database.

XXX For blood counts, need verification of ranges – source <https://www.mayoclinic.org/tests-procedures/complete-blood-count/about/pac-20384919>. Also, not sure about CBC, or why Red blood count is not mentioned here, is it an omission? Ranges for CMP derived from <https://www.ucsfhealth.org/medical-tests/003468>

Item Name	Data Type	Range, Possible Values	Example	Required	Default Value
CBC	Numeric	???		Y	???
Hemoglobin	mg/dL	11600 to 17000		Y	Mid-range
White Count	cells/mcL	3,400 to 9,600		Y	Mid-range
COVID-19 Test	Boolean	Positive/ Negative		Y	Negative
Na	Numeric	135 to 145 mEq/L		Y	Mid-range
K	Numeric	3.7 to 5.2 mEq/L		Y	Mid-range
CO2	Numeric	23 to 29 mEq/L		Y	Mid-range
CI2	Numeric	96 to 106 mEq/L		Y	Mid-range
Glucose	Numeric	70 to 100 mg/dL		Y	Mid-range
ALT	Numeric	4 to 36 U/L		Y	Mid-range
AST	Numeric	8 to 33 U/L		Y	Mid-range
Ca	Numeric	8.5 to 10.2 mg/dL		Y	Mid-range
Alb	Numeric	3.4 to 5.4 g/dL		Y	Mid-range

### 2.2.6 Vital Signs

Item Name	Data Type	Range, Possible Values	Example	Required	Default Value
HR	Numeric	40 - 160		Y	Mid-range
Temperature	Numeric, Celsius	33 - 40		Y	37
Temperature Method	Enumeration	Oral, Rectal, Tympanic		Y	Oral
BP Systolic	Numeric	60 - 200		Y	120
BP Diastolic	Numeric	30 - 120		Y	80

SpO2	Numeric	80 - 100		Y	Mid-range
Weight	Numeric, kg	0 - 180	0 - 180	Y	50

### **2.2.7 Cardiac Murmur Grades**

Total of 4 records, one per location. Example: LSB, 4; Apex 2; Ao 2; PA 3

Item Name	Data Type	Range, Possible Values	Example	Required	Default Value
Murmur Grade	Numeric	1 - 4		Y	
Location	Enumeration	LSB, Apex, Ao, or PA		Y	

## **2.3 Intra-Surgery Data**

TBD

## **2.4 Post Surgery Data**

TBD

# **3. User Interface Requirements**

TBD

# **4. Other Nonfunctional Requirements**

## **4.1 Performance Requirements**

- The system should provide 99.9999% uptime during the clinic
- Search and access to the database should occur with a latency of no more than 5 seconds.

## **4.2 Safety Requirements**

There are no specific safety requirements associated with this subsystem.

## **4.3 Security Requirements**

We assume that the patient digital chart, and the anesthesiology sub-system in particular, does not need to adhere to HIPAA requirements, and does not require HIPAA certification. **Standard Official Mexicana NOM-024-SSA3-2010, which establishes the functional objectives and functions, must observe the products of Systems of Electronic Filing to ensure the**

**interoperability, processing, interpretation, confidentiality, safety and use of standards and catalogues of the electronic records health information. An English translation of this standard is available, see References, above, for a link.**

The system communication on the day of the clinic will occur locally and not leave the local network.

Users of the system will have accounts and must authenticate prior to using the digital chart. The user names and their passwords are unique to this system and are not the same used by the volunteer system; only a subset of our volunteers should be granted access to patient data. The database itself is physically and administratively separate from the volunteer database. Passwords will be encrypted on the system, and logging will be used to track account creation, login, and logoff activity.

#### **4.4 Software Quality Attributes**

There are no specific SQA attributes associated with this subsystem.

#### **4.5 Business Rules**

Access to the system during the clinic will be limited to authenticated users. There are no specific rules associated with who can authenticate.

Between clinics, database access will be restricted to the administrator of the system for purposes of backup and maintenance only. The patient data, and user account information, will not be accessible on the Internet except for purposes of backup and maintenance.

### **5. Other Requirements**

No additional requirements have been identified for this subsystem as of now.

## **Appendix 1: ICD-9-CM Diagnosis and Procedure Codes**

Source: <https://www.cms.gov/Medicare/Coding/ICD9ProviderDiagnosticCodes/codes>

0001 Therapeutic ultrasound of vessels of head and neck

0002 Therapeutic ultrasound of heart

0003 Therapeutic ultrasound of peripheral vascular vessels

0009 Other therapeutic ultrasound

0010 Implantation of chemotherapeutic agent

0011 Infusion of drotrecogin alfa (activated)

0012 Administration of inhaled nitric oxide

0013 Injection or infusion of nesiritide

0014 Injection or infusion of oxazolidinone class of antibiotics

0015 High-dose infusion interleukin-2 [IL-2]  
0016 Pressurized treatment of venous bypass graft [conduit] with pharmaceutical substance  
0017 Infusion of vasopressor agent  
0018 Infusion of immunosuppressive antibody therapy  
0019 Disruption of blood brain barrier via infusion [BBBD]  
0021 Intravascular imaging of extracranial cerebral vessels  
0022 Intravascular imaging of intrathoracic vessels  
0023 Intravascular imaging of peripheral vessels  
0024 Intravascular imaging of coronary vessels  
0025 Intravascular imaging of renal vessels  
0028 Intravascular imaging, other specified vessel(s)  
0029 Intravascular imaging, unspecified vessel(s)  
0031 Computer assisted surgery with CT/CTA  
0032 Computer assisted surgery with MR/MRA  
0033 Computer assisted surgery with fluoroscopy  
0034 Imageless computer assisted surgery  
0035 Computer assisted surgery with multiple datasets  
0039 Other computer assisted surgery  
0040 Procedure on single vessel  
0041 Procedure on two vessels  
0042 Procedure on three vessels  
0043 Procedure on four or more vessels  
0044 Procedure on vessel bifurcation  
0045 Insertion of one vascular stent  
0046 Insertion of two vascular stents  
0047 Insertion of three vascular stents  
0048 Insertion of four or more vascular stents  
0049 Supersaturated oxygen therapy  
0050 Implantation of cardiac resynchronization pacemaker without mention of defibrillation, total system [CRT-P]  
0051 Implantation of cardiac resynchronization defibrillator, total system [CRT-D]  
0052 Implantation or replacement of transvenous lead [electrode] into left ventricular coronary venous system  
0053 Implantation or replacement of cardiac resynchronization pacemaker pulse generator only [CRT-P]  
0054 Implantation or replacement of cardiac resynchronization defibrillator pulse generator only [CRT-D]

0055 Insertion of drug-eluting stent(s) of other peripheral vessel(s)

0056 Insertion or replacement of implantable pressure sensor with lead for intracardiac or great vessel hemodynamic monitoring

0057 Implantation or replacement of subcutaneous device for intracardiac or great vessel hemodynamic monitoring

0058 Insertion of intra-aneurysm sac pressure monitoring device (intraoperative)

0059 Intravascular pressure measurement of coronary arteries

0060 Insertion of drug-eluting stent(s) of superficial femoral artery

0061 Percutaneous angioplasty of extracranial vessel(s)

0062 Percutaneous angioplasty of intracranial vessel(s)

0063 Percutaneous insertion of carotid artery stent(s)

0064 Percutaneous insertion of other extracranial artery stent(s)

0065 Percutaneous insertion of intracranial vascular stent(s)

0066 Percutaneous transluminal coronary angioplasty [PTCA]

0067 Intravascular pressure measurement of intrathoracic arteries

0068 Intravascular pressure measurement of peripheral arteries

0069 Intravascular pressure measurement, other specified and unspecified vessels

0070 Revision of hip replacement, both acetabular and femoral components

0071 Revision of hip replacement, acetabular component

0072 Revision of hip replacement, femoral component

0073 Revision of hip replacement, acetabular liner and/or femoral head only

0074 Hip bearing surface, metal-on-polyethylene

0075 Hip bearing surface, metal-on-metal

0076 Hip bearing surface, ceramic-on-ceramic

0077 Hip bearing surface, ceramic-on-polyethylene

0080 Revision of knee replacement, total (all components)

0081 Revision of knee replacement, tibial component

0082 Revision of knee replacement, femoral component

0083 Revision of knee replacement, patellar component

0084 Revision of total knee replacement, tibial insert (liner)

0085 Resurfacing hip, total, acetabulum and femoral head

0086 Resurfacing hip, partial, femoral head

0087 Resurfacing hip, partial, acetabulum

0091 Transplant from live related donor

0092 Transplant from live non-related donor

0093 Transplant from cadaver

0094 Intra-operative neurophysiologic monitoring



0095 Injection or infusion of glucarpidase  
0096 Infusion of 4-Factor Prothrombin Complex Concentrate  
0101 Cisternal puncture  
0102 Ventriculopuncture through previously implanted catheter  
0109 Other cranial puncture  
0110 Intracranial pressure monitoring  
0111 Closed [percutaneous] [needle] biopsy of cerebral meninges  
0112 Open biopsy of cerebral meninges  
0113 Closed [percutaneous] [needle] biopsy of brain  
0114 Open biopsy of brain  
0115 Biopsy of skull  
0116 Intracranial oxygen monitoring  
0117 Brain temperature monitoring  
0118 Other diagnostic procedures on brain and cerebral meninges  
0119 Other diagnostic procedures on skull  
0120 Cranial implantation or replacement of neurostimulator pulse generator  
0121 Incision and drainage of cranial sinus  
0122 Removal of intracranial neurostimulator lead(s)  
0123 Reopening of craniotomy site  
0124 Other craniotomy  
0125 Other craniectomy  
0126 Insertion of catheter(s) into cranial cavity or tissue  
0127 Removal of catheter(s) from cranial cavity or tissue  
0128 Placement of intracerebral catheter(s) via burr hole(s)  
0129 Removal of cranial neurostimulator pulse generator  
0131 Incision of cerebral meninges  
0132 Lobotomy and tractotomy  
0139 Other incision of brain  
0141 Operations on thalamus  
0142 Operations on globus pallidus  
0151 Excision of lesion or tissue of cerebral meninges  
0152 Hemispherectomy  
0153 Lobectomy of brain  
0159 Other excision or destruction of lesion or tissue of brain  
016 Excision of lesion of skull  
0201 Opening of cranial suture

0202 Elevation of skull fracture fragments  
0203 Formation of cranial bone flap  
0204 Bone graft to skull  
0205 Insertion of skull plate  
0206 Other cranial osteoplasty  
0207 Removal of skull plate  
0211 Simple suture of dura mater of brain  
0212 Other repair of cerebral meninges  
0213 Ligation of meningeal vessel  
0214 Choroid plexectomy  
0221 Insertion or replacement of external ventricular drain [EVD]  
0222 Intracranial ventricular shunt or anastomosis  
0231 Ventricular shunt to structure in head and neck  
0232 Ventricular shunt to circulatory system  
0233 Ventricular shunt to thoracic cavity  
0234 Ventricular shunt to abdominal cavity and organs  
0235 Ventricular shunt to urinary system  
0239 Ventricular shunt to extracranial site NEC  
0241 Irrigation and exploration of ventricular shunt  
0242 Replacement of ventricular shunt  
0243 Removal of ventricular shunt  
0291 Lysis of cortical adhesions  
0292 Repair of brain  
0293 Implantation or replacement of intracranial neurostimulator lead(s)  
0294 Insertion or replacement of skull tongs or halo traction device  
0295 Removal of skull tongs or halo traction device  
0296 Insertion of sphenoidal electrodes  
0299 Other operations on skull, brain, and cerebral meninges  
0301 Removal of foreign body from spinal canal  
0302 Reopening of laminectomy site  
0309 Other exploration and decompression of spinal canal  
031 Division of intraspinal nerve root  
0321 Percutaneous chordotomy  
0329 Other chordotomy  
0331 Spinal tap  
0332 Biopsy of spinal cord or spinal meninges

0339 Other diagnostic procedures on spinal cord and spinal canal structures  
034 Excision or destruction of lesion of spinal cord or spinal meninges  
0351 Repair of spinal meningocele  
0352 Repair of spinal myelomeningocele  
0353 Repair of vertebral fracture  
0359 Other repair and plastic operations on spinal cord structures  
036 Lysis of adhesions of spinal cord and nerve roots  
0371 Spinal subarachnoid-peritoneal shunt  
0372 Spinal subarachnoid-ureteral shunt  
0379 Other shunt of spinal theca  
038 Injection of destructive agent into spinal canal  
0390 Insertion of catheter into spinal canal for infusion of therapeutic or palliative substances  
0391 Injection of anesthetic into spinal canal for analgesia  
0392 Injection of other agent into spinal canal  
0393 Implantation or replacement of spinal neurostimulator lead(s)  
0394 Removal of spinal neurostimulator lead(s)  
0395 Spinal blood patch  
0396 Percutaneous denervation of facet  
0397 Revision of spinal thecal shunt  
0398 Removal of spinal thecal shunt  
0399 Other operations on spinal cord and spinal canal structures  
0401 Excision of acoustic neuroma  
0402 Division of trigeminal nerve  
0403 Division or crushing of other cranial and peripheral nerves  
0404 Other incision of cranial and peripheral nerves  
0405 Gasserian ganglionectomy  
0406 Other cranial or peripheral ganglionectomy  
0407 Other excision or avulsion of cranial and peripheral nerves  
0411 Closed [percutaneous] [needle] biopsy of cranial or peripheral nerve or ganglion  
0412 Open biopsy of cranial or peripheral nerve or ganglion  
0419 Other diagnostic procedures on cranial and peripheral nerves and ganglia  
042 Destruction of cranial and peripheral nerves  
043 Suture of cranial and peripheral nerves  
0441 Decompression of trigeminal nerve root  
0442 Other cranial nerve decompression  
0443 Release of carpal tunnel

0444 Release of tarsal tunnel  
0449 Other peripheral nerve or ganglion decompression or lysis of adhesions  
045 Cranial or peripheral nerve graft  
046 Transposition of cranial and peripheral nerves  
0471 Hypoglossal-facial anastomosis  
0472 Accessory-facial anastomosis  
0473 Accessory-hypoglossal anastomosis  
0474 Other anastomosis of cranial or peripheral nerve  
0475 Revision of previous repair of cranial and peripheral nerves  
0476 Repair of old traumatic injury of cranial and peripheral nerves  
0479 Other neuroplasty  
0480 Peripheral nerve injection, not otherwise specified  
0481 Injection of anesthetic into peripheral nerve for analgesia  
0489 Injection of other agent, except neurolytic  
0491 Neurectasis  
0492 Implantation or replacement of peripheral neurostimulator lead(s)  
0493 Removal of peripheral neurostimulator lead(s)  
0499 Other operations on cranial and peripheral nerves  
050 Division of sympathetic nerve or ganglion  
0511 Biopsy of sympathetic nerve or ganglion  
0519 Other diagnostic procedures on sympathetic nerves or ganglia  
0521 Sphenopalatine ganglionectomy  
0522 Cervical sympathectomy  
0523 Lumbar sympathectomy  
0524 Presacral sympathectomy  
0525 Periarterial sympathectomy  
0529 Other sympathectomy and ganglionectomy  
0531 Injection of anesthetic into sympathetic nerve for analgesia  
0532 Injection of neurolytic agent into sympathetic nerve  
0539 Other injection into sympathetic nerve or ganglion  
0581 Repair of sympathetic nerve or ganglion  
0589 Other operations on sympathetic nerves or ganglia  
059 Other operations on nervous system  
0601 Aspiration of thyroid field  
0602 Reopening of wound of thyroid field  
0609 Other incision of thyroid field

0611 Closed [percutaneous] [needle] biopsy of thyroid gland  
0612 Open biopsy of thyroid gland  
0613 Biopsy of parathyroid gland  
0619 Other diagnostic procedures on thyroid and parathyroid glands  
062 Unilateral thyroid lobectomy  
0631 Excision of lesion of thyroid  
0639 Other partial thyroidectomy  
064 Complete thyroidectomy  
0650 Substernal thyroidectomy, not otherwise specified  
0651 Partial substernal thyroidectomy  
0652 Complete substernal thyroidectomy  
066 Excision of lingual thyroid  
067 Excision of thyroglossal duct or tract  
0681 Complete parathyroidectomy  
0689 Other parathyroidectomy  
0691 Division of thyroid isthmus  
0692 Ligation of thyroid vessels  
0693 Suture of thyroid gland  
0694 Thyroid tissue reimplantation  
0695 Parathyroid tissue reimplantation  
0698 Other operations on thyroid glands  
0699 Other operations on parathyroid glands  
0700 Exploration of adrenal field, not otherwise specified  
0701 Unilateral exploration of adrenal field  
0702 Bilateral exploration of adrenal field  
0711 Closed [percutaneous] [needle] biopsy of adrenal gland  
0712 Open biopsy of adrenal gland  
0713 Biopsy of pituitary gland, transfrontal approach  
0714 Biopsy of pituitary gland, transsphenoidal approach  
0715 Biopsy of pituitary gland, unspecified approach  
0716 Biopsy of thymus  
0717 Biopsy of pineal gland  
0719 Other diagnostic procedures on adrenal glands, pituitary gland, pineal gland, and thymus  
0721 Excision of lesion of adrenal gland  
0722 Unilateral adrenalectomy  
0729 Other partial adrenalectomy

073 Bilateral adrenalectomy  
0741 Incision of adrenal gland  
0742 Division of nerves to adrenal glands  
0743 Ligation of adrenal vessels  
0744 Repair of adrenal gland  
0745 Reimplantation of adrenal tissue  
0749 Other operations on adrenal glands, nerves, and vessels  
0751 Exploration of pineal field  
0752 Incision of pineal gland  
0753 Partial excision of pineal gland  
0754 Total excision of pineal gland  
0759 Other operations on pineal gland  
0761 Partial excision of pituitary gland, transfrontal approach  
0762 Partial excision of pituitary gland, transsphenoidal approach  
0763 Partial excision of pituitary gland, unspecified approach  
0764 Total excision of pituitary gland, transfrontal approach  
0765 Total excision of pituitary gland, transsphenoidal approach  
0768 Total excision of pituitary gland, other specified approach  
0769 Total excision of pituitary gland, unspecified approach  
0771 Exploration of pituitary fossa  
0772 Incision of pituitary gland  
0779 Other operations on hypophysis  
0780 Thymectomy, not otherwise specified  
0781 Other partial excision of thymus  
0782 Other total excision of thymus  
0783 Thoracoscopic partial excision of thymus  
0784 Thoracoscopic total excision of thymus  
0791 Exploration of thymus field  
0792 Other incision of thymus  
0793 Repair of thymus  
0794 Transplantation of thymus  
0795 Thoracoscopic incision of thymus  
0798 Other and unspecified thoracoscopic operations on thymus  
0799 Other and unspecified operations on thymus  
0801 Incision of lid margin  
0802 Severing of blepharorrhaphy

0809 Other incision of eyelid  
0811 Biopsy of eyelid  
0819 Other diagnostic procedures on eyelid  
0820 Removal of lesion of eyelid, not otherwise specified  
0821 Excision of chalazion  
0822 Excision of other minor lesion of eyelid  
0823 Excision of major lesion of eyelid, partial-thickness  
0824 Excision of major lesion of eyelid, full-thickness  
0825 Destruction of lesion of eyelid  
0831 Repair of blepharoptosis by frontalis muscle technique with suture  
0832 Repair of blepharoptosis by frontalis muscle technique with fascial sling  
0833 Repair of blepharoptosis by resection or advancement of levator muscle or aponeurosis  
0834 Repair of blepharoptosis by other levator muscle techniques  
0835 Repair of blepharoptosis by tarsal technique  
0836 Repair of blepharoptosis by other techniques  
0837 Reduction of overcorrection of ptosis  
0838 Correction of lid retraction  
0841 Repair of entropion or ectropion by thermocauterization  
0842 Repair of entropion or ectropion by suture technique  
0843 Repair of entropion or ectropion with wedge resection  
0844 Repair of entropion or ectropion with lid reconstruction  
0849 Other repair of entropion or ectropion  
0851 Canthotomy  
0852 Blepharorrhaphy  
0859 Other adjustment of lid position  
0861 Reconstruction of eyelid with skin flap or graft  
0862 Reconstruction of eyelid with mucous membrane flap or graft  
0863 Reconstruction of eyelid with hair follicle graft  
0864 Reconstruction of eyelid with tarsoconjunctival flap  
0869 Other reconstruction of eyelid with flaps or grafts  
0870 Reconstruction of eyelid, not otherwise specified  
0871 Reconstruction of eyelid involving lid margin, partial-thickness  
0872 Other reconstruction of eyelid, partial-thickness  
0873 Reconstruction of eyelid involving lid margin, full-thickness  
0874 Other reconstruction of eyelid, full-thickness  
0881 Linear repair of laceration of eyelid or eyebrow

0882 Repair of laceration involving lid margin, partial-thickness  
0883 Other repair of laceration of eyelid, partial-thickness  
0884 Repair of laceration involving lid margin, full-thickness  
0885 Other repair of laceration of eyelid, full-thickness  
0886 Lower eyelid rhytidectomy  
0887 Upper eyelid rhytidectomy  
0889 Other eyelid repair  
0891 Electrosurgical epilation of eyelid  
0892 Cryosurgical epilation of eyelid  
0893 Other epilation of eyelid  
0899 Other operations on eyelids  
090 Incision of lacrimal gland  
0911 Biopsy of lacrimal gland  
0912 Biopsy of lacrimal sac  
0919 Other diagnostic procedures on lacrimal system  
0920 Excision of lacrimal gland, not otherwise specified  
0921 Excision of lesion of lacrimal gland  
0922 Other partial dacryoadenectomy  
0923 Total dacryoadenectomy  
093 Other operations on lacrimal gland  
0941 Probing of lacrimal punctum  
0942 Probing of lacrimal canaliculi  
0943 Probing of nasolacrimal duct  
0944 Intubation of nasolacrimal duct  
0949 Other manipulation of lacrimal passage  
0951 Incision of lacrimal punctum  
0952 Incision of lacrimal canaliculi  
0953 Incision of lacrimal sac  
0959 Other incision of lacrimal passages  
096 Excision of lacrimal sac and passage  
0971 Correction of everted punctum  
0972 Other repair of punctum  
0973 Repair of canaliculus  
0981 Dacryocystorhinostomy [DCR]  
0982 Conjunctivocystorhinostomy  
0983 Conjunctivorhinostomy with insertion of tube or stent



0991 Obliteration of lacrimal punctum  
0999 Other operations on lacrimal system  
100 Removal of embedded foreign body from conjunctiva by incision  
101 Other incision of conjunctiva  
1021 Biopsy of conjunctiva  
1029 Other diagnostic procedures on conjunctiva  
1031 Excision of lesion or tissue of conjunctiva  
1032 Destruction of lesion of conjunctiva  
1033 Other destructive procedures on conjunctiva  
1041 Repair of symblepharon with free graft  
1042 Reconstruction of conjunctival cul-de-sac with free graft  
1043 Other reconstruction of conjunctival cul-de-sac  
1044 Other free graft to conjunctiva  
1049 Other conjunctivoplasty  
105 Lysis of adhesions of conjunctiva and eyelid  
106 Repair of laceration of conjunctiva  
1091 Subconjunctival injection  
1099 Other operations on conjunctiva  
110 Magnetic removal of embedded foreign body from cornea  
111 Incision of cornea  
1121 Scraping of cornea for smear or culture  
1122 Biopsy of cornea  
1129 Other diagnostic procedures on cornea  
1131 Transposition of pterygium  
1132 Excision of pterygium with corneal graft  
1139 Other excision of pterygium  
1141 Mechanical removal of corneal epithelium  
1142 Thermocauterization of corneal lesion  
1143 Cryotherapy of corneal lesion  
1149 Other removal or destruction of corneal lesion  
1151 Suture of corneal laceration  
1152 Repair of postoperative wound dehiscence of cornea  
1153 Repair of corneal laceration or wound with conjunctival flap  
1159 Other repair of cornea  
1160 Corneal transplant, not otherwise specified  
1161 Lamellar keratoplasty with autograft

1162 Other lamellar keratoplasty  
1163 Penetrating keratoplasty with autograft  
1164 Other penetrating keratoplasty  
1169 Other corneal transplant  
1171 Keratomileusis  
1172 Keratophakia  
1173 Keratoprosthesis  
1174 Thermokeratoplasty  
1175 Radial keratotomy  
1176 Epikeratophakia  
1179 Other reconstructive and refractive surgery on cornea  
1191 Tattooing of cornea  
1192 Removal of artificial implant from cornea  
1199 Other operations on cornea  
1200 Removal of intraocular foreign body from anterior segment of eye, not otherwise specified  
1201 Removal of intraocular foreign body from anterior segment of eye with use of magnet  
1202 Removal of intraocular foreign body from anterior segment of eye without use of magnet  
1211 Iridotomy with transfixion  
1212 Other iridotomy  
1213 Excision of prolapsed iris  
1214 Other iridectomy  
1221 Diagnostic aspiration of anterior chamber of eye  
1222 Biopsy of iris  
1229 Other diagnostic procedures on iris, ciliary body, sclera, and anterior chamber  
1231 Lysis of goniosynechiae  
1232 Lysis of other anterior synechiae  
1233 Lysis of posterior synechiae  
1234 Lysis of corneovitreal adhesions  
1235 Coreoplasty  
1239 Other iridoplasty  
1240 Removal of lesion of anterior segment of eye, not otherwise specified  
1241 Destruction of lesion of iris, nonexcisional  
1242 Excision of lesion of iris  
1243 Destruction of lesion of ciliary body, nonexcisional  
1244 Excision of lesion of ciliary body  
1251 Goniopuncture without goniotomy

1252 Goniotomy without goniotomy  
1253 Goniotomy with goniotomy  
1254 Trabeculotomy ab externo  
1255 Cyclodialysis  
1259 Other facilitation of intraocular circulation  
1261 Trephination of sclera with iridectomy  
1262 Thermocauterization of sclera with iridectomy  
1263 Iridencleisis and iridotaxis  
1264 Trabeculectomy ab externo  
1265 Other scleral fistulization with iridectomy  
1266 Postoperative revision of scleral fistulization procedure  
1267 Insertion of aqueous drainage device  
1269 Other scleral fistulizing procedure  
1271 Cyclodiathermy  
1272 Cyclocryotherapy  
1273 Cyclophotocoagulation  
1274 Diminution of ciliary body, not otherwise specified  
1279 Other glaucoma procedures  
1281 Suture of laceration of sclera  
1282 Repair of scleral fistula  
1283 Revision of operative wound of anterior segment, not elsewhere classified  
1284 Excision or destruction of lesion of sclera  
1285 Repair of scleral staphyloma with graft  
1286 Other repair of scleral staphyloma  
1287 Scleral reinforcement with graft  
1288 Other scleral reinforcement  
1289 Other operations on sclera  
1291 Therapeutic evacuation of anterior chamber  
1292 Injection into anterior chamber  
1293 Removal or destruction of epithelial downgrowth from anterior chamber  
1297 Other operations on iris  
1298 Other operations on ciliary body  
1299 Other operations on anterior chamber  
1300 Removal of foreign body from lens, not otherwise specified  
1301 Removal of foreign body from lens with use of magnet  
1302 Removal of foreign body from lens without use of magnet

1311 Intracapsular extraction of lens by temporal inferior route  
1319 Other intracapsular extraction of lens  
132 Extracapsular extraction of lens by linear extraction technique  
133 Extracapsular extraction of lens by simple aspiration (and irrigation) technique  
1341 Phacoemulsification and aspiration of cataract  
1342 Mechanical phacofragmentation and aspiration of cataract by posterior route  
1343 Mechanical phacofragmentation and other aspiration of cataract  
1351 Extracapsular extraction of lens by temporal inferior route  
1359 Other extracapsular extraction of lens  
1364 Discission of secondary membrane [after cataract]  
1365 Excision of secondary membrane [after cataract]  
1366 Mechanical fragmentation of secondary membrane [after cataract]  
1369 Other cataract extraction  
1370 Insertion of pseudophakos, not otherwise specified  
1371 Insertion of intraocular lens prosthesis at time of cataract extraction, one-stage  
1372 Secondary insertion of intraocular lens prosthesis  
138 Removal of implanted lens  
1390 Operation on lens, not elsewhere classified  
1391 Implantation of intraocular telescope prosthesis  
1400 Removal of foreign body from posterior segment of eye, not otherwise specified  
1401 Removal of foreign body from posterior segment of eye with use of magnet  
1402 Removal of foreign body from posterior segment of eye without use of magnet  
1411 Diagnostic aspiration of vitreous  
1419 Other diagnostic procedures on retina, choroid, vitreous, and posterior chamber  
1421 Destruction of chorioretinal lesion by diathermy  
1422 Destruction of chorioretinal lesion by cryotherapy  
1423 Destruction of chorioretinal lesion by xenon arc photocoagulation  
1424 Destruction of chorioretinal lesion by laser photocoagulation  
1425 Destruction of chorioretinal lesion by photocoagulation of unspecified type  
1426 Destruction of chorioretinal lesion by radiation therapy  
1427 Destruction of chorioretinal lesion by implantation of radiation source  
1429 Other destruction of chorioretinal lesion  
1431 Repair of retinal tear by diathermy  
1432 Repair of retinal tear by cryotherapy  
1433 Repair of retinal tear by xenon arc photocoagulation  
1434 Repair of retinal tear by laser photocoagulation

1435 Repair of retinal tear by photocoagulation of unspecified type  
1439 Other repair of retinal tear  
1441 Scleral buckling with implant  
1449 Other scleral buckling  
1451 Repair of retinal detachment with diathermy  
1452 Repair of retinal detachment with cryotherapy  
1453 Repair of retinal detachment with xenon arc photocoagulation  
1454 Repair of retinal detachment with laser photocoagulation  
1455 Repair of retinal detachment with photocoagulation of unspecified type  
1459 Other repair of retinal detachment  
146 Removal of surgically implanted material from posterior segment of eye  
1471 Removal of vitreous, anterior approach  
1472 Other removal of vitreous  
1473 Mechanical vitrectomy by anterior approach  
1474 Other mechanical vitrectomy  
1475 Injection of vitreous substitute  
1479 Other operations on vitreous  
1481 Implantation of epiretinal visual prosthesis  
1482 Removal of epiretinal visual prosthesis  
1483 Revision or replacement of epiretinal visual prosthesis  
149 Other operations on retina, choroid, and posterior chamber  
1501 Biopsy of extraocular muscle or tendon  
1509 Other diagnostic procedures on extraocular muscles and tendons  
1511 Recession of one extraocular muscle  
1512 Advancement of one extraocular muscle  
1513 Resection of one extraocular muscle  
1519 Other operations on one extraocular muscle involving temporary detachment from globe  
1521 Lengthening procedure on one extraocular muscle  
1522 Shortening procedure on one extraocular muscle  
1529 Other operations on one extraocular muscle  
153 Operations on two or more extraocular muscles involving temporary detachment from globe, one or both eyes  
154 Other operations on two or more extraocular muscles, one or both eyes  
155 Transposition of extraocular muscles  
156 Revision of extraocular muscle surgery  
157 Repair of injury of extraocular muscle

159 Other operations on extraocular muscles and tendons  
1601 Orbitotomy with bone flap  
1602 Orbitotomy with insertion of orbital implant  
1609 Other orbitotomy  
161 Removal of penetrating foreign body from eye, not otherwise specified  
1621 Ophthalmoscopy  
1622 Diagnostic aspiration of orbit  
1623 Biopsy of eyeball and orbit  
1629 Other diagnostic procedures on orbit and eyeball  
1631 Removal of ocular contents with synchronous implant into scleral shell  
1639 Other evisceration of eyeball  
1641 Enucleation of eyeball with synchronous implant into Tenon's capsule with attachment of muscles  
1642 Enucleation of eyeball with other synchronous implant  
1649 Other enucleation of eyeball  
1651 Exenteration of orbit with removal of adjacent structures  
1652 Exenteration of orbit with therapeutic removal of orbital bone  
1659 Other exenteration of orbit  
1661 Secondary insertion of ocular implant  
1662 Revision and reinsertion of ocular implant  
1663 Revision of enucleation socket with graft  
1664 Other revision of enucleation socket  
1665 Secondary graft to exenteration cavity  
1666 Other revision of exenteration cavity  
1669 Other secondary procedures after removal of eyeball  
1671 Removal of ocular implant  
1672 Removal of orbital implant  
1681 Repair of wound of orbit  
1682 Repair of rupture of eyeball  
1689 Other repair of injury of eyeball or orbit  
1691 Retrobulbar injection of therapeutic agent  
1692 Excision of lesion of orbit  
1693 Excision of lesion of eye, unspecified structure  
1698 Other operations on orbit  
1699 Other operations on eyeball  
1711 Laparoscopic repair of direct inguinal hernia with graft or prosthesis

1712 Laparoscopic repair of indirect inguinal hernia with graft or prosthesis

1713 Laparoscopic repair of inguinal hernia with graft or prosthesis, not otherwise specified

1721 Laparoscopic bilateral repair of direct inguinal hernia with graft or prosthesis

1722 Laparoscopic bilateral repair of indirect inguinal hernia with graft or prosthesis

1723 Laparoscopic bilateral repair of inguinal hernia, one direct and one indirect, with graft or prosthesis

1724 Laparoscopic bilateral repair of inguinal hernia with graft or prosthesis, not otherwise specified

1731 Laparoscopic multiple segmental resection of large intestine

1732 Laparoscopic cecectomy

1733 Laparoscopic right hemicolectomy

1734 Laparoscopic resection of transverse colon

1735 Laparoscopic left hemicolectomy

1736 Laparoscopic sigmoidectomy

1739 Other laparoscopic partial excision of large intestine

1741 Open robotic assisted procedure

1742 Laparoscopic robotic assisted procedure

1743 Percutaneous robotic assisted procedure

1744 Endoscopic robotic assisted procedure

1745 Thoracoscopic robotic assisted procedure

1749 Other and unspecified robotic assisted procedure

1751 Implantation of rechargeable cardiac contractility modulation [CCM], total system

1752 Implantation or replacement of cardiac contractility modulation [CCM] rechargeable pulse generator only

1753 Percutaneous atherectomy of extracranial vessel(s)

1754 Percutaneous atherectomy of intracranial vessel(s)

1755 Transluminal coronary atherectomy

1756 Atherectomy of other non-coronary vessel(s)

1761 Laser interstitial thermal therapy [LITT] of lesion or tissue of brain under guidance

1762 Laser interstitial thermal therapy [LITT] of lesion or tissue of head and neck under guidance

1763 Laser interstitial thermal therapy [LITT] of lesion or tissue of liver under guidance

1769 Laser interstitial thermal therapy [LITT] of lesion or tissue of other and unspecified site under guidance

1770 Intravenous infusion of clofarabine

1771 Non-coronary intra-operative fluorescence vascular angiography [IFVA]

1781 Insertion of antimicrobial envelope

1801 Piercing of ear lobe

1802 Incision of external auditory canal  
1809 Other incision of external ear  
1811 Otoscopy  
1812 Biopsy of external ear  
1819 Other diagnostic procedures on external ear  
1821 Excision of preauricular sinus  
1829 Excision or destruction of other lesion of external ear  
1831 Radical excision of lesion of external ear  
1839 Other excision of external ear  
184 Suture of laceration of external ear  
185 Surgical correction of prominent ear  
186 Reconstruction of external auditory canal  
1871 Construction of auricle of ear  
1872 Reattachment of amputated ear  
1879 Other plastic repair of external ear  
189 Other operations on external ear  
190 Stapes mobilization  
1911 Stapedectomy with incus replacement  
1919 Other stapedectomy  
1921 Revision of stapedectomy with incus replacement  
1929 Other revision of stapedectomy  
193 Other operations on ossicular chain  
194 Myringoplasty  
1952 Type II tympanoplasty  
1953 Type III tympanoplasty  
1954 Type IV tympanoplasty  
1955 Type V tympanoplasty  
196 Revision of tympanoplasty  
199 Other repair of middle ear  
2001 Myringotomy with insertion of tube  
2009 Other myringotomy  
201 Removal of tympanostomy tube  
2021 Incision of mastoid  
2022 Incision of petrous pyramid air cells  
2023 Incision of middle ear  
2031 Electrocochleography



2032 Biopsy of middle and inner ear  
2039 Other diagnostic procedures on middle and inner ear  
2041 Simple mastoidectomy  
2042 Radical mastoidectomy  
2049 Other mastoidectomy  
2051 Excision of lesion of middle ear  
2059 Other excision of middle ear  
2061 Fenestration of inner ear (initial)  
2062 Revision of fenestration of inner ear  
2071 Endolymphatic shunt  
2072 Injection into inner ear  
2079 Other incision, excision, and destruction of inner ear  
208 Operations on eustachian tube  
2091 Tympanosympathectomy  
2092 Revision of mastoidectomy  
2093 Repair of oval and round windows  
2094 Injection of tympanum  
2095 Implantation of electromagnetic hearing device  
2096 Implantation or replacement of cochlear prosthetic device, not otherwise specified  
2097 Implantation or replacement of cochlear prosthetic device, single channel  
2098 Implantation or replacement of cochlear prosthetic device, multiple channel  
2099 Other operations on middle and inner ear  
2100 Control of epistaxis, not otherwise specified  
2101 Control of epistaxis by anterior nasal packing  
2102 Control of epistaxis by posterior (and anterior) packing  
2103 Control of epistaxis by cauterization (and packing)  
2104 Control of epistaxis by ligation of ethmoidal arteries  
2105 Control of epistaxis by (transantral) ligation of the maxillary artery  
2106 Control of epistaxis by ligation of the external carotid artery  
2107 Control of epistaxis by excision of nasal mucosa and skin grafting of septum and lateral nasal wall  
2109 Control of epistaxis by other means  
211 Incision of nose  
2121 Rhinoscopy  
2122 Biopsy of nose  
2129 Other diagnostic procedures on nose

2130 Excision or destruction of lesion of nose, not otherwise specified  
2131 Local excision or destruction of intranasal lesion  
2132 Local excision or destruction of other lesion of nose  
214 Resection of nose  
215 Submucous resection of nasal septum  
2161 Turbinectomy by diathermy or cryosurgery  
2162 Fracture of the turbinates  
2169 Other turbinectomy  
2171 Closed reduction of nasal fracture  
2172 Open reduction of nasal fracture  
2181 Suture of laceration of nose  
2182 Closure of nasal fistula  
2183 Total nasal reconstruction  
2184 Revision rhinoplasty  
2185 Augmentation rhinoplasty  
2186 Limited rhinoplasty  
2187 Other rhinoplasty  
2188 Other septoplasty  
2189 Other repair and plastic operations on nose  
2191 Lysis of adhesions of nose  
2199 Other operations on nose  
2200 Aspiration and lavage of nasal sinus, not otherwise specified  
2201 Puncture of nasal sinus for aspiration or lavage  
2202 Aspiration or lavage of nasal sinus through natural ostium  
2211 Closed [endoscopic] [needle] biopsy of nasal sinus  
2212 Open biopsy of nasal sinus  
2219 Other diagnostic procedures on nasal sinuses  
222 Intranasal antrotomy  
2231 Radical maxillary antrotomy  
2239 Other external maxillary antrotomy  
2241 Frontal sinusotomy  
2242 Frontal sinusectomy  
2250 Sinusotomy, not otherwise specified  
2251 Ethmoidotomy  
2252 Sphenoidotomy  
2253 Incision of multiple nasal sinuses

2260 Sinusectomy, not otherwise specified  
2261 Excision of lesion of maxillary sinus with Caldwell-Luc approach  
2262 Excision of lesion of maxillary sinus with other approach  
2263 Ethmoidectomy  
2264 Sphenoidectomy  
2271 Closure of nasal sinus fistula  
2279 Other repair of nasal sinus  
229 Other operations on nasal sinuses  
2301 Extraction of deciduous tooth  
2309 Extraction of other tooth  
2311 Removal of residual root  
2319 Other surgical extraction of tooth  
232 Restoration of tooth by filling  
233 Restoration of tooth by inlay  
2341 Application of crown  
2342 Insertion of fixed bridge  
2343 Insertion of removable bridge  
2349 Other dental restoration  
235 Implantation of tooth  
236 Prosthetic dental implant  
2370 Root canal, not otherwise specified  
2371 Root canal therapy with irrigation  
2372 Root canal therapy with apicoectomy  
2373 Apicoectomy  
240 Incision of gum or alveolar bone  
2411 Biopsy of gum  
2412 Biopsy of alveolus  
2419 Other diagnostic procedures on teeth, gums, and alveoli  
242 Gingivoplasty  
2431 Excision of lesion or tissue of gum  
2432 Suture of laceration of gum  
2439 Other operations on gum  
244 Excision of dental lesion of jaw  
245 Alveoloplasty  
246 Exposure of tooth  
247 Application of orthodontic appliance

248 Other orthodontic operation  
2491 Extension or deepening of buccolabial or lingual sulcus  
2499 Other dental operations  
2501 Closed [needle] biopsy of tongue  
2502 Open biopsy of tongue  
2509 Other diagnostic procedures on tongue  
251 Excision or destruction of lesion or tissue of tongue  
252 Partial glossectomy  
253 Complete glossectomy  
254 Radical glossectomy  
2551 Suture of laceration of tongue  
2559 Other repair and plastic operations on tongue  
2591 Lingual frenotomy  
2592 Lingual frenectomy  
2593 Lysis of adhesions of tongue  
2594 Other glossotomy  
2599 Other operations on tongue  
260 Incision of salivary gland or duct  
2611 Closed [needle] biopsy of salivary gland or duct  
2612 Open biopsy of salivary gland or duct  
2619 Other diagnostic procedures on salivary glands and ducts  
2621 Marsupialization of salivary gland cyst  
2629 Other excision of salivary gland lesion  
2630 Sialoadenectomy, not otherwise specified  
2631 Partial sialoadenectomy  
2632 Complete sialoadenectomy  
2641 Suture of laceration of salivary gland  
2642 Closure of salivary fistula  
2649 Other repair and plastic operations on salivary gland or duct  
2691 Probing of salivary duct  
2699 Other operations on salivary gland or duct  
270 Drainage of face and floor of mouth  
271 Incision of palate  
2721 Biopsy of bony palate  
2722 Biopsy of uvula and soft palate  
2723 Biopsy of lip

2724 Biopsy of mouth, unspecified structure  
2729 Other diagnostic procedures on oral cavity  
2731 Local excision or destruction of lesion or tissue of bony palate  
2732 Wide excision or destruction of lesion or tissue of bony palate  
2741 Labial frenectomy  
2742 Wide excision of lesion of lip  
2743 Other excision of lesion or tissue of lip  
2749 Other excision of mouth  
2751 Suture of laceration of lip  
2752 Suture of laceration of other part of mouth  
2753 Closure of fistula of mouth  
2754 Repair of cleft lip  
2755 Full-thickness skin graft to lip and mouth  
2756 Other skin graft to lip and mouth  
2757 Attachment of pedicle or flap graft to lip and mouth  
2759 Other plastic repair of mouth  
2761 Suture of laceration of palate  
2762 Correction of cleft palate  
2763 Revision of cleft palate repair  
2764 Insertion of palatal implant  
2769 Other plastic repair of palate  
2771 Incision of uvula  
2772 Excision of uvula  
2773 Repair of uvula  
2779 Other operations on uvula  
2791 Labial frenotomy  
2792 Incision of mouth, unspecified structure  
2799 Other operations on oral cavity  
280 Incision and drainage of tonsil and peritonsillar structures  
2811 Biopsy of tonsils and adenoids  
2819 Other diagnostic procedures on tonsils and adenoids  
282 Tonsillectomy without adenoidectomy  
283 Tonsillectomy with adenoidectomy  
284 Excision of tonsil tag  
285 Excision of lingual tonsil  
286 Adenoidectomy without tonsillectomy

287 Control of hemorrhage after tonsillectomy and adenoidectomy  
2891 Removal of foreign body from tonsil and adenoid by incision  
2892 Excision of lesion of tonsil and adenoid  
2899 Other operations on tonsils and adenoids  
290 Pharyngotomy  
2911 Pharyngoscopy  
2912 Pharyngeal biopsy  
2919 Other diagnostic procedures on pharynx  
292 Excision of branchial cleft cyst or vestige  
2931 Cricopharyngeal myotomy  
2932 Pharyngeal diverticulectomy  
2933 Pharyngectomy (partial)  
2939 Other excision or destruction of lesion or tissue of pharynx  
294 Plastic operation on pharynx  
2951 Suture of laceration of pharynx  
2952 Closure of branchial cleft fistula  
2953 Closure of other fistula of pharynx  
2954 Lysis of pharyngeal adhesions  
2959 Other repair of pharynx  
2991 Dilation of pharynx  
2992 Division of glossopharyngeal nerve  
2999 Other operations on pharynx  
3001 Marsupialization of laryngeal cyst  
3009 Other excision or destruction of lesion or tissue of larynx  
301 Hemilaryngectomy  
3021 Epiglottidectomy  
3022 Vocal cordectomy  
3029 Other partial laryngectomy  
303 Complete laryngectomy  
304 Radical laryngectomy  
310 Injection of larynx  
311 Temporary tracheostomy  
3121 Mediastinal tracheostomy  
3129 Other permanent tracheostomy  
313 Other incision of larynx or trachea  
3141 Tracheoscopy through artificial stoma

3142 Laryngoscopy and other tracheoscopy  
3143 Closed [endoscopic] biopsy of larynx  
3144 Closed [endoscopic] biopsy of trachea  
3145 Open biopsy of larynx or trachea  
3148 Other diagnostic procedures on larynx  
3149 Other diagnostic procedures on trachea  
315 Local excision or destruction of lesion or tissue of trachea  
3161 Suture of laceration of larynx  
3162 Closure of fistula of larynx  
3163 Revision of laryngostomy  
3164 Repair of laryngeal fracture  
3169 Other repair of larynx  
3171 Suture of laceration of trachea  
3172 Closure of external fistula of trachea  
3173 Closure of other fistula of trachea  
3174 Revision of tracheostomy  
3175 Reconstruction of trachea and construction of artificial larynx  
3179 Other repair and plastic operations on trachea  
3191 Division of laryngeal nerve  
3192 Lysis of adhesions of trachea or larynx  
3193 Replacement of laryngeal or tracheal stent  
3194 Injection of locally-acting therapeutic substance into trachea  
3195 Tracheoesophageal fistulization  
3198 Other operations on larynx  
3199 Other operations on trachea  
3201 Endoscopic excision or destruction of lesion or tissue of bronchus  
3209 Other local excision or destruction of lesion or tissue of bronchus  
321 Other excision of bronchus  
3220 Thoracoscopic excision of lesion or tissue of lung  
3221 Plication of emphysematous bleb  
3222 Lung volume reduction surgery  
3223 Open ablation of lung lesion or tissue  
3224 Percutaneous ablation of lung lesion or tissue  
3225 Thoracoscopic ablation of lung lesion or tissue  
3226 Other and unspecified ablation of lung lesion or tissue  
3227 Bronchoscopic bronchial thermoplasty, ablation of airway smooth muscle

3228 Endoscopic excision or destruction of lesion or tissue of lung  
3229 Other local excision or destruction of lesion or tissue of lung  
3230 Thoracoscopic segmental resection of lung  
3239 Other and unspecified segmental resection of lung  
3241 Thoracoscopic lobectomy of lung  
3249 Other lobectomy of lung  
3250 Thoracoscopic pneumonectomy  
3259 Other and unspecified pneumonectomy  
326 Radical dissection of thoracic structures  
329 Other excision of lung  
330 Incision of bronchus  
331 Incision of lung  
3320 Thoracoscopic lung biopsy  
3321 Bronchoscopy through artificial stoma  
3322 Fiber-optic bronchoscopy  
3323 Other bronchoscopy  
3324 Closed [endoscopic] biopsy of bronchus  
3325 Open biopsy of bronchus  
3326 Closed [percutaneous] [needle] biopsy of lung  
3327 Closed endoscopic biopsy of lung  
3328 Open biopsy of lung  
3329 Other diagnostic procedures on lung or bronchus  
3331 Destruction of phrenic nerve for collapse of lung  
3332 Artificial pneumothorax for collapse of lung  
3333 Pneumoperitoneum for collapse of lung  
3334 Thoracoplasty  
3339 Other surgical collapse of lung  
3341 Suture of laceration of bronchus  
3342 Closure of bronchial fistula  
3343 Closure of laceration of lung  
3348 Other repair and plastic operations on bronchus  
3349 Other repair and plastic operations on lung  
3350 Lung transplantation, not otherwise specified  
3351 Unilateral lung transplantation  
3352 Bilateral lung transplantation  
336 Combined heart-lung transplantation



3371 Endoscopic insertion or replacement of bronchial valve(s), single lobe  
3372 Endoscopic pulmonary airway flow measurement  
3373 Endoscopic insertion or replacement of bronchial valve(s), multiple lobes  
3378 Endoscopic removal of bronchial device(s) or substances  
3379 Endoscopic insertion of other bronchial device or substances  
3391 Bronchial dilation  
3392 Ligation of bronchus  
3393 Puncture of lung  
3398 Other operations on bronchus  
3399 Other operations on lung  
3401 Incision of chest wall  
3402 Exploratory thoracotomy  
3403 Reopening of recent thoracotomy site  
3404 Insertion of intercostal catheter for drainage  
3405 Creation of pleuroperitoneal shunt  
3406 Thoracoscopic drainage of pleural cavity  
3409 Other incision of pleura  
341 Incision of mediastinum  
3420 Thoracoscopic pleural biopsy  
3421 Transpleural thoracoscopy  
3422 Mediastinoscopy  
3423 Biopsy of chest wall  
3424 Other pleural biopsy  
3425 Closed [percutaneous] [needle] biopsy of mediastinum  
3426 Open mediastinal biopsy  
3427 Biopsy of diaphragm  
3428 Other diagnostic procedures on chest wall, pleura, and diaphragm  
3429 Other diagnostic procedures on mediastinum  
343 Excision or destruction of lesion or tissue of mediastinum  
344 Excision or destruction of lesion of chest wall  
3451 Decortication of lung  
3452 Thoracoscopic decortication of lung  
3459 Other excision of pleura  
346 Scarification of pleura  
3471 Suture of laceration of chest wall  
3472 Closure of thoracostomy

3473 Closure of other fistula of thorax  
3474 Repair of pectus deformity  
3479 Other repair of chest wall  
3481 Excision of lesion or tissue of diaphragm  
3482 Suture of laceration of diaphragm  
3483 Closure of fistula of diaphragm  
3484 Other repair of diaphragm  
3485 Implantation of diaphragmatic pacemaker  
3489 Other operations on diaphragm  
3491 Thoracentesis  
3492 Injection into thoracic cavity  
3493 Repair of pleura  
3499 Other operations on thorax  
3500 Closed heart valvotomy, unspecified valve  
3501 Closed heart valvotomy, aortic valve  
3502 Closed heart valvotomy, mitral valve  
3503 Closed heart valvotomy, pulmonary valve  
3504 Closed heart valvotomy, tricuspid valve  
3505 Endovascular replacement of aortic valve  
3506 Transapical replacement of aortic valve  
3507 Endovascular replacement of pulmonary valve  
3508 Transapical replacement of pulmonary valve  
3509 Endovascular replacement of unspecified heart valve  
3510 Open heart valvuloplasty without replacement, unspecified valve  
3511 Open heart valvuloplasty of aortic valve without replacement  
3512 Open heart valvuloplasty of mitral valve without replacement  
3513 Open heart valvuloplasty of pulmonary valve without replacement  
3514 Open heart valvuloplasty of tricuspid valve without replacement  
3520 Open and other replacement of unspecified heart valve  
3521 Open and other replacement of aortic valve with tissue graft  
3522 Open and other replacement of aortic valve  
3523 Open and other replacement of mitral valve with tissue graft  
3524 Open and other replacement of mitral valve  
3525 Open and other replacement of pulmonary valve with tissue graft  
3526 Open and other replacement of pulmonary valve  
3527 Open and other replacement of tricuspid valve with tissue graft

3528 Open and other replacement of tricuspid valve  
3531 Operations on papillary muscle  
3532 Operations on chordae tendineae  
3533 Annuloplasty  
3534 Infundibulectomy  
3535 Operations on trabeculae carneae cordis  
3539 Operations on other structures adjacent to valves of heart  
3541 Enlargement of existing atrial septal defect  
3542 Creation of septal defect in heart  
3550 Repair of unspecified septal defect of heart with prosthesis  
3551 Repair of atrial septal defect with prosthesis, open technique  
3552 Repair of atrial septal defect with prosthesis, closed technique  
3553 Repair of ventricular septal defect with prosthesis, open technique  
3554 Repair of endocardial cushion defect with prosthesis  
3555 Repair of ventricular septal defect with prosthesis, closed technique  
3560 Repair of unspecified septal defect of heart with tissue graft  
3561 Repair of atrial septal defect with tissue graft  
3562 Repair of ventricular septal defect with tissue graft  
3563 Repair of endocardial cushion defect with tissue graft  
3570 Other and unspecified repair of unspecified septal defect of heart  
3571 Other and unspecified repair of atrial septal defect  
3572 Other and unspecified repair of ventricular septal defect  
3573 Other and unspecified repair of endocardial cushion defect  
3581 Total repair of tetralogy of fallot  
3582 Total repair of total anomalous pulmonary venous connection  
3583 Total repair of truncus arteriosus  
3584 Total correction of transposition of great vessels, not elsewhere classified  
3591 Interatrial transposition of venous return  
3592 Creation of conduit between right ventricle and pulmonary artery  
3593 Creation of conduit between left ventricle and aorta  
3594 Creation of conduit between atrium and pulmonary artery  
3595 Revision of corrective procedure on heart  
3596 Percutaneous balloon valvuloplasty  
3597 Percutaneous mitral valve repair with implant  
3598 Other operations on septa of heart  
3599 Other operations on valves of heart

3603 Open chest coronary artery angioplasty  
3604 Intracoronary artery thrombolytic infusion  
3606 Insertion of non-drug-eluting coronary artery stent(s)  
3607 Insertion of drug-eluting coronary artery stent(s)  
3609 Other removal of coronary artery obstruction  
3610 Aortocoronary bypass for heart revascularization, not otherwise specified  
3611 (Aorto)coronary bypass of one coronary artery  
3612 (Aorto)coronary bypass of two coronary arteries  
3613 (Aorto)coronary bypass of three coronary arteries  
3614 (Aorto)coronary bypass of four or more coronary arteries  
3615 Single internal mammary-coronary artery bypass  
3616 Double internal mammary-coronary artery bypass  
3617 Abdominal-coronary artery bypass  
3619 Other bypass anastomosis for heart revascularization  
362 Heart revascularization by arterial implant  
3631 Open chest transmyocardial revascularization  
3632 Other transmyocardial revascularization  
3633 Endoscopic transmyocardial revascularization  
3634 Percutaneous transmyocardial revascularization  
3639 Other heart revascularization  
3691 Repair of aneurysm of coronary vessel  
3699 Other operations on vessels of heart  
370 Pericardiocentesis  
3710 Incision of heart, not otherwise specified  
3711 Cardiotomy  
3712 Pericardiotomy  
3720 Noninvasive programmed electrical stimulation [NIPS]  
3721 Right heart cardiac catheterization  
3722 Left heart cardiac catheterization  
3723 Combined right and left heart cardiac catheterization  
3724 Biopsy of pericardium  
3725 Biopsy of heart  
3726 Catheter based invasive electrophysiologic testing  
3727 Cardiac mapping  
3728 Intracardiac echocardiography  
3729 Other diagnostic procedures on heart and pericardium

3731 Pericardiectomy  
3732 Excision of aneurysm of heart  
3733 Excision or destruction of other lesion or tissue of heart, open approach  
3734 Excision or destruction of other lesion or tissue of heart, endovascular approach  
3735 Partial ventriculectomy  
3736 Excision, destruction, or exclusion of left atrial appendage (LAA)  
3737 Excision or destruction of other lesion or tissue of heart, thoracoscopic approach  
3741 Implantation of prosthetic cardiac support device around the heart  
3749 Other repair of heart and pericardium  
3751 Heart transplantation  
3752 Implantation of total internal biventricular heart replacement system  
3753 Replacement or repair of thoracic unit of (total) replacement heart system  
3754 Replacement or repair of other implantable component of (total) replacement heart system  
3755 Removal of internal biventricular heart replacement system  
3760 Implantation or insertion of biventricular external heart assist system  
3761 Implant of pulsation balloon  
3762 Insertion of temporary non-implantable extracorporeal circulatory assist device  
3763 Repair of heart assist system  
3764 Removal of external heart assist system(s) or device(s)  
3765 Implant of single ventricular (extracorporeal) external heart assist system  
3766 Insertion of implantable heart assist system  
3767 Implantation of cardiomyostimulation system  
3768 Insertion of percutaneous external heart assist device  
3770 Initial insertion of lead [electrode], not otherwise specified  
3771 Initial insertion of transvenous lead [electrode] into ventricle  
3772 Initial insertion of transvenous leads [electrodes] into atrium and ventricle  
3773 Initial insertion of transvenous lead [electrode] into atrium  
3774 Insertion or replacement of epicardial lead [electrode] into epicardium  
3775 Revision of lead [electrode]  
3776 Replacement of transvenous atrial and/or ventricular lead(s) [electrode]  
3777 Removal of lead(s) [electrode] without replacement  
3778 Insertion of temporary transvenous pacemaker system  
3779 Revision or relocation of cardiac device pocket  
3780 Insertion of permanent pacemaker, initial or replacement, type of device not specified  
3781 Initial insertion of single-chamber device, not specified as rate responsive  
3782 Initial insertion of single-chamber device, rate responsive

3783 Initial insertion of dual-chamber device

3785 Replacement of any type pacemaker device with single-chamber device, not specified as rate responsive

3786 Replacement of any type of pacemaker device with single-chamber device, rate responsive

3787 Replacement of any type pacemaker device with dual-chamber device

3789 Revision or removal of pacemaker device

3790 Insertion of left atrial appendage device

3791 Open chest cardiac massage

3792 Injection of therapeutic substance into heart

3793 Injection of therapeutic substance into pericardium

3794 Implantation or replacement of automatic cardioverter/defibrillator, total system [AICD]

3795 Implantation of automatic cardioverter/defibrillator lead(s) only

3796 Implantation of automatic cardioverter/defibrillator pulse generator only

3797 Replacement of automatic cardioverter/defibrillator lead(s) only

3798 Replacement of automatic cardioverter/defibrillator pulse generator only

3799 Other operations on heart and pericardium

3800 Incision of vessel, unspecified site

3801 Incision of vessel, intracranial vessels

3802 Incision of vessel, other vessels of head and neck

3803 Incision of vessel, upper limb vessels

3804 Incision of vessel, aorta

3805 Incision of vessel, other thoracic vessels

3806 Incision of vessel, abdominal arteries

3807 Incision of vessel, abdominal veins

3808 Incision of vessel, lower limb arteries

3809 Incision of vessel, lower limb veins

3810 Endarterectomy, unspecified site

3811 Endarterectomy, intracranial vessels

3812 Endarterectomy, other vessels of head and neck

3813 Endarterectomy, upper limb vessels

3814 Endarterectomy, aorta

3815 Endarterectomy, other thoracic vessels

3816 Endarterectomy, abdominal arteries

3818 Endarterectomy, lower limb arteries

3821 Biopsy of blood vessel

3822 Percutaneous angiography

3823 Intravascular spectroscopy

3824 Intravascular imaging of coronary vessel(s) by optical coherence tomography [OCT]

3825 Intravascular imaging of non-coronary vessel(s) by optical coherence tomography [OCT]

3826 Insertion of implantable pressure sensor without lead for intracardiac or great vessel hemodynamic monitoring

3829 Other diagnostic procedures on blood vessels

3830 Resection of vessel with anastomosis, unspecified site

3831 Resection of vessel with anastomosis, intracranial vessels

3832 Resection of vessel with anastomosis, other vessels of head and neck

3833 Resection of vessel with anastomosis, upper limb vessels

3834 Resection of vessel with anastomosis, aorta

3835 Resection of vessel with anastomosis, other thoracic vessels

3836 Resection of vessel with anastomosis, abdominal arteries

3837 Resection of vessel with anastomosis, abdominal veins

3838 Resection of vessel with anastomosis, lower limb arteries

3839 Resection of vessel with anastomosis, lower limb veins

3840 Resection of vessel with replacement, unspecified site

3841 Resection of vessel with replacement, intracranial vessels

3842 Resection of vessel with replacement, other vessels of head and neck

3843 Resection of vessel with replacement, upper limb vessels

3844 Resection of vessel with replacement, aorta, abdominal

3845 Resection of vessel with replacement, thoracic vessels

3846 Resection of vessel with replacement, abdominal arteries

3847 Resection of vessel with replacement, abdominal veins

3848 Resection of vessel with replacement, lower limb arteries

3849 Resection of vessel with replacement, lower limb veins

3850 Ligation and stripping of varicose veins, unspecified site

3851 Ligation and stripping of varicose veins, intracranial vessels

3852 Ligation and stripping of varicose veins, other vessels of head and neck

3853 Ligation and stripping of varicose veins, upper limb vessels

3855 Ligation and stripping of varicose veins, other thoracic vessels

3857 Ligation and stripping of varicose veins, abdominal veins

3859 Ligation and stripping of varicose veins, lower limb veins

3860 Other excision of vessels, unspecified site

3861 Other excision of vessels, intracranial vessels

3862 Other excision of vessels, other vessels of head and neck

3863 Other excision of vessels, upper limb vessels  
3864 Other excision of vessels, aorta, abdominal  
3865 Other excision of vessels, thoracic vessels  
3866 Other excision of vessels, abdominal arteries  
3867 Other excision of vessels, abdominal veins  
3868 Other excision of vessels, lower limb arteries  
3869 Other excision of vessels, lower limb veins  
387 Interruption of the vena cava  
3880 Other surgical occlusion of vessels, unspecified site  
3881 Other surgical occlusion of vessels, intracranial vessels  
3882 Other surgical occlusion of vessels, other vessels of head and neck  
3883 Other surgical occlusion of vessels, upper limb vessels  
3884 Other surgical occlusion of vessels, aorta, abdominal  
3885 Other surgical occlusion of vessels, thoracic vessels  
3886 Other surgical occlusion of vessels, abdominal arteries  
3887 Other surgical occlusion of vessels, abdominal veins  
3888 Other surgical occlusion of vessels, lower limb arteries  
3889 Other surgical occlusion of vessels, lower limb veins  
3891 Arterial catheterization  
3892 Umbilical vein catheterization  
3893 Venous catheterization, not elsewhere classified  
3894 Venous cutdown  
3895 Venous catheterization for renal dialysis  
3897 Central venous catheter placement with guidance  
3898 Other puncture of artery  
3899 Other puncture of vein  
390 Systemic to pulmonary artery shunt  
391 Intra-abdominal venous shunt  
3921 Caval-pulmonary artery anastomosis  
3922 Aorta-subclavian-carotid bypass  
3923 Other intrathoracic vascular shunt or bypass  
3924 Aorta-renal bypass  
3925 Aorta-iliac-femoral bypass  
3926 Other intra-abdominal vascular shunt or bypass  
3927 Arteriovenostomy for renal dialysis  
3928 Extracranial-intracranial (EC-IC) vascular bypass



3929 Other (peripheral) vascular shunt or bypass  
3930 Suture of unspecified blood vessel  
3931 Suture of artery  
3932 Suture of vein  
3941 Control of hemorrhage following vascular surgery  
3942 Revision of arteriovenous shunt for renal dialysis  
3943 Removal of arteriovenous shunt for renal dialysis  
3949 Other revision of vascular procedure  
3950 Angioplasty of other non-coronary vessel(s)  
3951 Clipping of aneurysm  
3952 Other repair of aneurysm  
3953 Repair of arteriovenous fistula  
3954 Re-entry operation (aorta)  
3955 Reimplantation of aberrant renal vessel  
3956 Repair of blood vessel with tissue patch graft  
3957 Repair of blood vessel with synthetic patch graft  
3958 Repair of blood vessel with unspecified type of patch graft  
3959 Other repair of vessel  
3961 Extracorporeal circulation auxiliary to open heart surgery  
3962 Hypothermia (systemic) incidental to open heart surgery  
3963 Cardioplegia  
3964 Intraoperative cardiac pacemaker  
3965 Extracorporeal membrane oxygenation [ECMO]  
3966 Percutaneous cardiopulmonary bypass  
3971 Endovascular implantation of other graft in abdominal aorta  
3972 Endovascular (total) embolization or occlusion of head and neck vessels  
3973 Endovascular implantation of graft in thoracic aorta  
3974 Endovascular removal of obstruction from head and neck vessel(s)  
3975 Endovascular embolization or occlusion of vessel(s) of head or neck using bare coils  
3976 Endovascular embolization or occlusion of vessel(s) of head or neck using bioactive coils  
3977 Temporary (partial) therapeutic endovascular occlusion of vessel  
3978 Endovascular implantation of branching or fenestrated graft(s) in aorta  
3979 Other endovascular procedures on other vessels  
3981 Implantation or replacement of carotid sinus stimulation device, total system  
3982 Implantation or replacement of carotid sinus stimulation lead(s) only  
3983 Implantation or replacement of carotid sinus stimulation pulse generator only

3984 Revision of carotid sinus stimulation lead(s) only  
3985 Revision of carotid sinus stimulation pulse generator  
3986 Removal of carotid sinus stimulation device, total system  
3987 Removal of carotid sinus stimulation lead(s) only  
3988 Removal of carotid sinus stimulation pulse generator only  
3989 Other operations on carotid body, carotid sinus and other vascular bodies  
3990 Insertion of non-drug-eluting peripheral (non-coronary) vessel stent(s)  
3991 Freeing of vessel  
3992 Injection of sclerosing agent into vein  
3993 Insertion of vessel-to-vessel cannula  
3994 Replacement of vessel-to-vessel cannula  
3995 Hemodialysis  
3996 Total body perfusion  
3997 Other perfusion  
3998 Control of hemorrhage, not otherwise specified  
3999 Other operations on vessels  
400 Incision of lymphatic structures  
4011 Biopsy of lymphatic structure  
4019 Other diagnostic procedures on lymphatic structures  
4021 Excision of deep cervical lymph node  
4022 Excision of internal mammary lymph node  
4023 Excision of axillary lymph node  
4024 Excision of inguinal lymph node  
4029 Simple excision of other lymphatic structure  
403 Regional lymph node excision  
4040 Radical neck dissection, not otherwise specified  
4041 Radical neck dissection, unilateral  
4042 Radical neck dissection, bilateral  
4050 Radical excision of lymph nodes, not otherwise specified  
4051 Radical excision of axillary lymph nodes  
4052 Radical excision of periaortic lymph nodes  
4053 Radical excision of iliac lymph nodes  
4054 Radical groin dissection  
4059 Radical excision of other lymph nodes  
4061 Cannulation of thoracic duct  
4062 Fistulization of thoracic duct

4063 Closure of fistula of thoracic duct  
4064 Ligation of thoracic duct  
4069 Other operations on thoracic duct  
409 Other operations on lymphatic structures  
4100 Bone marrow transplant, not otherwise specified  
4101 Autologous bone marrow transplant without purging  
4102 Allogeneic bone marrow transplant with purging  
4103 Allogeneic bone marrow transplant without purging  
4104 Autologous hematopoietic stem cell transplant without purging  
4105 Allogeneic hematopoietic stem cell transplant without purging  
4106 Cord blood stem cell transplant  
4107 Autologous hematopoietic stem cell transplant with purging  
4108 Allogeneic hematopoietic stem cell transplant with purging  
4109 Autologous bone marrow transplant with purging  
411 Puncture of spleen  
412 Splenotomy  
4131 Biopsy of bone marrow  
4132 Closed [aspiration] [percutaneous] biopsy of spleen  
4133 Open biopsy of spleen  
4138 Other diagnostic procedures on bone marrow  
4139 Other diagnostic procedures on spleen  
4141 Marsupialization of splenic cyst  
4142 Excision of lesion or tissue of spleen  
4143 Partial splenectomy  
415 Total splenectomy  
4191 Aspiration of bone marrow from donor for transplant  
4192 Injection into bone marrow  
4193 Excision of accessory spleen  
4194 Transplantation of spleen  
4195 Repair and plastic operations on spleen  
4198 Other operations on bone marrow  
4199 Other operations on spleen  
4201 Incision of esophageal web  
4209 Other incision of esophagus  
4210 Esophagostomy, not otherwise specified  
4211 Cervical esophagostomy

4212 Exteriorization of esophageal pouch  
4219 Other external fistulization of esophagus  
4221 Operative esophagoscopy by incision  
4222 Esophagoscopy through artificial stoma  
4223 Other esophagoscopy  
4224 Closed [endoscopic] biopsy of esophagus  
4225 Open biopsy of esophagus  
4229 Other diagnostic procedures on esophagus  
4231 Local excision of esophageal diverticulum  
4232 Local excision of other lesion or tissue of esophagus  
4233 Endoscopic excision or destruction of lesion or tissue of esophagus  
4239 Other destruction of lesion or tissue of esophagus  
4240 Esophagectomy, not otherwise specified  
4241 Partial esophagectomy  
4242 Total esophagectomy  
4251 Intrathoracic esophagoesophagostomy  
4252 Intrathoracic esophagogastrostomy  
4253 Intrathoracic esophageal anastomosis with interposition of small bowel  
4254 Other intrathoracic esophagoenterostomy  
4255 Intrathoracic esophageal anastomosis with interposition of colon  
4256 Other intrathoracic esophagocolostomy  
4258 Intrathoracic esophageal anastomosis with other interposition  
4259 Other intrathoracic anastomosis of esophagus  
4261 Antesternal esophagoesophagostomy  
4262 Antesternal esophagogastrostomy  
4263 Antesternal esophageal anastomosis with interposition of small bowel  
4264 Other antesternal esophagoenterostomy  
4265 Antesternal esophageal anastomosis with interposition of colon  
4266 Other antesternal esophagocolostomy  
4268 Other antesternal esophageal anastomosis with interposition  
4269 Other antesternal anastomosis of esophagus  
427 Esophagomyotomy  
4281 Insertion of permanent tube into esophagus  
4282 Suture of laceration of esophagus  
4283 Closure of esophagostomy  
4284 Repair of esophageal fistula, not elsewhere classified

4285 Repair of esophageal stricture  
4286 Production of subcutaneous tunnel without esophageal anastomosis  
4287 Other graft of esophagus  
4289 Other repair of esophagus  
4291 Ligation of esophageal varices  
4292 Dilation of esophagus  
4299 Other operations on esophagus  
430 Gastrotomy  
4311 Percutaneous [endoscopic] gastrostomy [PEG]  
4319 Other gastrostomy  
433 Pyloromyotomy  
4341 Endoscopic excision or destruction of lesion or tissue of stomach  
4342 Local excision of other lesion or tissue of stomach  
4349 Other destruction of lesion or tissue of stomach  
435 Partial gastrectomy with anastomosis to esophagus  
436 Partial gastrectomy with anastomosis to duodenum  
437 Partial gastrectomy with anastomosis to jejunum  
4381 Partial gastrectomy with jejunal transposition  
4382 Laparoscopic vertical (sleeve) gastrectomy  
4389 Open and other partial gastrectomy  
4391 Total gastrectomy with intestinal interposition  
4399 Other total gastrectomy  
4400 Vagotomy, not otherwise specified  
4401 Truncal vagotomy  
4402 Highly selective vagotomy  
4403 Other selective vagotomy  
4411 Transabdominal gastroscopy  
4412 Gastroscopy through artificial stoma  
4413 Other gastroscopy  
4414 Closed [endoscopic] biopsy of stomach  
4415 Open biopsy of stomach  
4419 Other diagnostic procedures on stomach  
4421 Dilation of pylorus by incision  
4422 Endoscopic dilation of pylorus  
4429 Other pyloroplasty  
4431 High gastric bypass

4432 Percutaneous [endoscopic] gastrojejunostomy  
4438 Laparoscopic gastroenterostomy  
4439 Other gastroenterostomy without gastrectomy  
4440 Suture of peptic ulcer, not otherwise specified  
4441 Suture of gastric ulcer site  
4442 Suture of duodenal ulcer site  
4443 Endoscopic control of gastric or duodenal bleeding  
4444 Transcatheter embolization for gastric or duodenal bleeding  
4449 Other control of hemorrhage of stomach or duodenum  
445 Revision of gastric anastomosis  
4461 Suture of laceration of stomach  
4462 Closure of gastrostomy  
4463 Closure of other gastric fistula  
4464 Gastropexy  
4465 Esophagogastroplasty  
4466 Other procedures for creation of esophagogastric sphincteric competence  
4467 Laparoscopic procedures for creation of esophagogastric sphincteric competence  
4468 Laparoscopic gastroplasty  
4469 Other repair of stomach  
4491 Ligation of gastric varices  
4492 Intraoperative manipulation of stomach  
4493 Insertion of gastric bubble (balloon)  
4494 Removal of gastric bubble (balloon)  
4495 Laparoscopic gastric restrictive procedure  
4496 Laparoscopic revision of gastric restrictive procedure  
4497 Laparoscopic removal of gastric restrictive device(s)  
4498 (Laparoscopic) adjustment of size of adjustable gastric restrictive device  
4499 Other operations on stomach  
4500 Incision of intestine, not otherwise specified  
4501 Incision of duodenum  
4502 Other incision of small intestine  
4503 Incision of large intestine  
4511 Transabdominal endoscopy of small intestine  
4512 Endoscopy of small intestine through artificial stoma  
4513 Other endoscopy of small intestine  
4514 Closed [endoscopic] biopsy of small intestine

4515 Open biopsy of small intestine  
4516 Esophagogastroduodenoscopy [EGD] with closed biopsy  
4519 Other diagnostic procedures on small intestine  
4521 Transabdominal endoscopy of large intestine  
4522 Endoscopy of large intestine through artificial stoma  
4523 Colonoscopy  
4524 Flexible sigmoidoscopy  
4525 Closed [endoscopic] biopsy of large intestine  
4526 Open biopsy of large intestine  
4527 Intestinal biopsy, site unspecified  
4528 Other diagnostic procedures on large intestine  
4529 Other diagnostic procedures on intestine, site unspecified  
4530 Endoscopic excision or destruction of lesion of duodenum  
4531 Other local excision of lesion of duodenum  
4532 Other destruction of lesion of duodenum  
4533 Local excision of lesion or tissue of small intestine, except duodenum  
4534 Other destruction of lesion of small intestine, except duodenum  
4541 Excision of lesion or tissue of large intestine  
4542 Endoscopic polypectomy of large intestine  
4543 Endoscopic destruction of other lesion or tissue of large intestine  
4549 Other destruction of lesion of large intestine  
4550 Isolation of intestinal segment, not otherwise specified  
4551 Isolation of segment of small intestine  
4552 Isolation of segment of large intestine  
4561 Multiple segmental resection of small intestine  
4562 Other partial resection of small intestine  
4563 Total removal of small intestine  
4571 Open and other multiple segmental resection of large intestine  
4572 Open and other cecectomy  
4573 Open and other right hemicolectomy  
4574 Open and other resection of transverse colon  
4575 Open and other left hemicolectomy  
4576 Open and other sigmoidectomy  
4579 Other and unspecified partial excision of large intestine  
4581 Laparoscopic total intra-abdominal colectomy  
4582 Open total intra-abdominal colectomy

4583 Other and unspecified total intra-abdominal colectomy  
4590 Intestinal anastomosis, not otherwise specified  
4591 Small-to-small intestinal anastomosis  
4592 Anastomosis of small intestine to rectal stump  
4593 Other small-to-large intestinal anastomosis  
4594 Large-to-large intestinal anastomosis  
4595 Anastomosis to anus  
4601 Exteriorization of small intestine  
4602 Resection of exteriorized segment of small intestine  
4603 Exteriorization of large intestine  
4604 Resection of exteriorized segment of large intestine  
4610 Colostomy, not otherwise specified  
4611 Temporary colostomy  
4613 Permanent colostomy  
4614 Delayed opening of colostomy  
4620 Ileostomy, not otherwise specified  
4621 Temporary ileostomy  
4622 Continent ileostomy  
4623 Other permanent ileostomy  
4624 Delayed opening of ileostomy  
4631 Delayed opening of other enterostomy  
4632 Percutaneous (endoscopic) jejunostomy [PEJ]  
4639 Other enterostomy  
4640 Revision of intestinal stoma, not otherwise specified  
4641 Revision of stoma of small intestine  
4642 Repair of pericostomy hernia  
4643 Other revision of stoma of large intestine  
4650 Closure of intestinal stoma, not otherwise specified  
4651 Closure of stoma of small intestine  
4652 Closure of stoma of large intestine  
4660 Fixation of intestine, not otherwise specified  
4661 Fixation of small intestine to abdominal wall  
4662 Other fixation of small intestine  
4663 Fixation of large intestine to abdominal wall  
4664 Other fixation of large intestine  
4671 Suture of laceration of duodenum



4672 Closure of fistula of duodenum  
4673 Suture of laceration of small intestine, except duodenum  
4674 Closure of fistula of small intestine, except duodenum  
4675 Suture of laceration of large intestine  
4676 Closure of fistula of large intestine  
4679 Other repair of intestine  
4680 Intra-abdominal manipulation of intestine, not otherwise specified  
4681 Intra-abdominal manipulation of small intestine  
4682 Intra-abdominal manipulation of large intestine  
4685 Dilation of intestine  
4686 Endoscopic insertion of colonic stent(s)  
4687 Other insertion of colonic stent(s)  
4691 Myotomy of sigmoid colon  
4692 Myotomy of other parts of colon  
4693 Revision of anastomosis of small intestine  
4694 Revision of anastomosis of large intestine  
4695 Local perfusion of small intestine  
4696 Local perfusion of large intestine  
4697 Transplant of intestine  
4699 Other operations on intestines  
4701 Laparoscopic appendectomy  
4709 Other appendectomy  
4711 Laparoscopic incidental appendectomy  
4719 Other incidental appendectomy  
472 Drainage of appendiceal abscess  
4791 Appendicostomy  
4792 Closure of appendiceal fistula  
4799 Other operations on appendix  
480 Proctotomy  
481 Proctostomy  
4821 Transabdominal proctosigmoidoscopy  
4822 Proctosigmoidoscopy through artificial stoma  
4823 Rigid proctosigmoidoscopy  
4824 Closed [endoscopic] biopsy of rectum  
4825 Open biopsy of rectum  
4826 Biopsy of perirectal tissue

4829 Other diagnostic procedures on rectum, rectosigmoid and perirectal tissue  
4831 Radical electrocoagulation of rectal lesion or tissue  
4832 Other electrocoagulation of rectal lesion or tissue  
4833 Destruction of rectal lesion or tissue by laser  
4834 Destruction of rectal lesion or tissue by cryosurgery  
4835 Local excision of rectal lesion or tissue  
4836 [Endoscopic] polypectomy of rectum  
4840 Pull-through resection of rectum, not otherwise specified  
4841 Soave submucosal resection of rectum  
4842 Laparoscopic pull-through resection of rectum  
4843 Open pull-through resection of rectum  
4849 Other pull-through resection of rectum  
4850 Abdominoperineal resection of the rectum, not otherwise specified  
4851 Laparoscopic abdominoperineal resection of the rectum  
4852 Open abdominoperineal resection of the rectum  
4859 Other abdominoperineal resection of the rectum  
4861 Transsacral rectosigmoidectomy  
4862 Anterior resection of rectum with synchronous colostomy  
4863 Other anterior resection of rectum  
4864 Posterior resection of rectum  
4865 Duhamel resection of rectum  
4869 Other resection of rectum  
4871 Suture of laceration of rectum  
4872 Closure of proctostomy  
4873 Closure of other rectal fistula  
4874 Rectorectostomy  
4875 Abdominal proctopexy  
4876 Other proctopexy  
4879 Other repair of rectum  
4881 Incision of perirectal tissue  
4882 Excision of perirectal tissue  
4891 Incision of rectal stricture  
4892 Anorectal myectomy  
4893 Repair of perirectal fistula  
4899 Other operations on rectum and perirectal tissue  
4901 Incision of perianal abscess

4902 Other incision of perianal tissue  
4903 Excision of perianal skin tags  
4904 Other excision of perianal tissue  
4911 Anal fistulotomy  
4912 Anal fistulectomy  
4921 Anoscopy  
4922 Biopsy of perianal tissue  
4923 Biopsy of anus  
4929 Other diagnostic procedures on anus and perianal tissue  
4931 Endoscopic excision or destruction of lesion or tissue of anus  
4939 Other local excision or destruction of lesion or tissue of anus  
4941 Reduction of hemorrhoids  
4942 Injection of hemorrhoids  
4943 Cauterization of hemorrhoids  
4944 Destruction of hemorrhoids by cryotherapy  
4945 Ligation of hemorrhoids  
4946 Excision of hemorrhoids  
4947 Evacuation of thrombosed hemorrhoids  
4949 Other procedures on hemorrhoids  
4951 Left lateral anal sphincterotomy  
4952 Posterior anal sphincterotomy  
4959 Other anal sphincterotomy  
496 Excision of anus  
4971 Suture of laceration of anus  
4972 Anal cerclage  
4973 Closure of anal fistula  
4974 Gracilis muscle transplant for anal incontinence  
4975 Implantation or revision of artificial anal sphincter  
4976 Removal of artificial anal sphincter  
4979 Other repair of anal sphincter  
4991 Incision of anal septum  
4992 Insertion of subcutaneous electrical anal stimulator  
4993 Other incision of anus  
4994 Reduction of anal prolapse  
4995 Control of (postoperative) hemorrhage of anus  
4999 Other operations on anus

500 Hepatotomy

5011 Closed (percutaneous) [needle] biopsy of liver

5012 Open biopsy of liver

5013 Transjugular liver biopsy

5014 Laparoscopic liver biopsy

5019 Other diagnostic procedures on liver

5021 Marsupialization of lesion of liver

5022 Partial hepatectomy

5023 Open ablation of liver lesion or tissue

5024 Percutaneous ablation of liver lesion or tissue

5025 Laparoscopic ablation of liver lesion or tissue

5026 Other and unspecified ablation of liver lesion or tissue

5029 Other destruction of lesion of liver

503 Lobectomy of liver

504 Total hepatectomy

5051 Auxiliary liver transplant

5059 Other transplant of liver

5061 Closure of laceration of liver

5069 Other repair of liver

5091 Percutaneous aspiration of liver

5092 Extracorporeal hepatic assistance

5093 Localized perfusion of liver

5094 Other injection of therapeutic substance into liver

5099 Other operations on liver

5101 Percutaneous aspiration of gallbladder

5102 Trocar cholecystostomy

5103 Other cholecystostomy

5104 Other cholecystotomy

5110 Endoscopic retrograde cholangiopancreatography [ERCP]

5111 Endoscopic retrograde cholangiography [ERC]

5112 Percutaneous biopsy of gallbladder or bile ducts

5113 Open biopsy of gallbladder or bile ducts

5114 Other closed [endoscopic] biopsy of biliary duct or sphincter of Oddi

5115 Pressure measurement of sphincter of Oddi

5119 Other diagnostic procedures on biliary tract

5121 Other partial cholecystectomy

5122 Cholecystectomy  
5123 Laparoscopic cholecystectomy  
5124 Laparoscopic partial cholecystectomy  
5131 Anastomosis of gallbladder to hepatic ducts  
5132 Anastomosis of gallbladder to intestine  
5133 Anastomosis of gallbladder to pancreas  
5134 Anastomosis of gallbladder to stomach  
5135 Other gallbladder anastomosis  
5136 Choledochoenterostomy  
5137 Anastomosis of hepatic duct to gastrointestinal tract  
5139 Other bile duct anastomosis  
5141 Common duct exploration for removal of calculus  
5142 Common duct exploration for relief of other obstruction  
5143 Insertion of choledochohepatic tube for decompression  
5149 Incision of other bile ducts for relief of obstruction  
5151 Exploration of common duct  
5159 Other incision of other bile duct  
5161 Excision of cystic duct remnant  
5162 Excision of ampulla of Vater (with reimplantation of common duct)  
5163 Other excision of common duct  
5164 Endoscopic excision or destruction of lesion of biliary ducts or sphincter of Oddi  
5169 Excision of other bile duct  
5171 Simple suture of common bile duct  
5172 Choledochoplasty  
5179 Repair of other bile ducts  
5181 Dilation of sphincter of Oddi  
5182 Pancreatic sphincterotomy  
5183 Pancreatic sphincteroplasty  
5184 Endoscopic dilation of ampulla and biliary duct  
5185 Endoscopic sphincterotomy and papillotomy  
5186 Endoscopic insertion of nasobiliary drainage tube  
5187 Endoscopic insertion of stent (tube) into bile duct  
5188 Endoscopic removal of stone(s) from biliary tract  
5189 Other operations on sphincter of Oddi  
5191 Repair of laceration of gallbladder  
5192 Closure of cholecystostomy

5193 Closure of other biliary fistula  
5194 Revision of anastomosis of biliary tract  
5195 Removal of prosthetic device from bile duct  
5196 Percutaneous extraction of common duct stones  
5198 Other percutaneous procedures on biliary tract  
5199 Other operations on biliary tract  
5201 Drainage of pancreatic cyst by catheter  
5209 Other pancreatotomy  
5211 Closed [aspiration] [needle] [percutaneous] biopsy of pancreas  
5212 Open biopsy of pancreas  
5213 Endoscopic retrograde pancreatography [ERP]  
5214 Closed [endoscopic] biopsy of pancreatic duct  
5219 Other diagnostic procedures on pancreas  
5221 Endoscopic excision or destruction of lesion or tissue of pancreatic duct  
5222 Other excision or destruction of lesion or tissue of pancreas or pancreatic duct  
523 Marsupialization of pancreatic cyst  
524 Internal drainage of pancreatic cyst  
5251 Proximal pancreatectomy  
5252 Distal pancreatectomy  
5253 Radical subtotal pancreatectomy  
5259 Other partial pancreatectomy  
526 Total pancreatectomy  
527 Radical pancreaticoduodenectomy  
5280 Pancreatic transplant, not otherwise specified  
5281 Reimplantation of pancreatic tissue  
5282 Homotransplant of pancreas  
5283 Heterotransplant of pancreas  
5284 Autotransplantation of cells of Islets of Langerhans  
5285 Allotransplantation of cells of Islets of Langerhans  
5286 Transplantation of cells of Islets of Langerhans, not otherwise specified  
5292 Cannulation of pancreatic duct  
5293 Endoscopic insertion of stent (tube) into pancreatic duct  
5294 Endoscopic removal of stone(s) from pancreatic duct  
5295 Other repair of pancreas  
5296 Anastomosis of pancreas  
5297 Endoscopic insertion of nasopancreatic drainage tube

5298 Endoscopic dilation of pancreatic duct  
5299 Other operations on pancreas  
5300 Unilateral repair of inguinal hernia, not otherwise specified  
5301 Other and open repair of direct inguinal hernia  
5302 Other and open repair of indirect inguinal hernia  
5303 Other and open repair of direct inguinal hernia with graft or prosthesis  
5304 Other and open repair of indirect inguinal hernia with graft or prosthesis  
5305 Repair of inguinal hernia with graft or prosthesis, not otherwise specified  
5310 Bilateral repair of inguinal hernia, not otherwise specified  
5311 Other and open bilateral repair of direct inguinal hernia  
5312 Other and open bilateral repair of indirect inguinal hernia  
5313 Other and open bilateral repair of inguinal hernia, one direct and one indirect  
5314 Other and open bilateral repair of direct inguinal hernia with graft or prosthesis  
5315 Other and open bilateral repair of indirect inguinal hernia with graft or prosthesis  
5316 Other and open bilateral repair of inguinal hernia, one direct and one indirect, with graft or prosthesis  
5317 Bilateral inguinal hernia repair with graft or prosthesis, not otherwise specified  
5321 Unilateral repair of femoral hernia with graft or prosthesis  
5329 Other unilateral femoral herniorrhaphy  
5331 Bilateral repair of femoral hernia with graft or prosthesis  
5339 Other bilateral femoral herniorrhaphy  
5341 Other and open repair of umbilical hernia with graft or prosthesis  
5342 Laparoscopic repair of umbilical hernia with graft or prosthesis  
5343 Other laparoscopic umbilical herniorrhaphy  
5349 Other open umbilical herniorrhaphy  
5351 Incisional hernia repair  
5359 Repair of other hernia of anterior abdominal wall  
5361 Other open incisional hernia repair with graft or prosthesis  
5362 Laparoscopic incisional hernia repair with graft or prosthesis  
5363 Other laparoscopic repair of other hernia of anterior abdominal wall with graft or prosthesis  
5369 Other and open repair of other hernia of anterior abdominal wall with graft or prosthesis  
5371 Laparoscopic repair of diaphragmatic hernia, abdominal approach  
5372 Other and open repair of diaphragmatic hernia, abdominal approach  
5375 Repair of diaphragmatic hernia, abdominal approach, not otherwise specified  
5380 Repair of diaphragmatic hernia with thoracic approach, not otherwise specified  
5381 Plication of the diaphragm

5382 Repair of parasternal hernia  
5383 Laparoscopic repair of diaphragmatic hernia, with thoracic approach  
5384 Other and open repair of diaphragmatic hernia, with thoracic approach  
539 Other hernia repair  
540 Incision of abdominal wall  
5411 Exploratory laparotomy  
5412 Reopening of recent laparotomy site  
5419 Other laparotomy  
5421 Laparoscopy  
5422 Biopsy of abdominal wall or umbilicus  
5423 Biopsy of peritoneum  
5424 Closed [percutaneous] [needle] biopsy of intra-abdominal mass  
5425 Peritoneal lavage  
5429 Other diagnostic procedures on abdominal region  
543 Excision or destruction of lesion or tissue of abdominal wall or umbilicus  
544 Excision or destruction of peritoneal tissue  
5451 Laparoscopic lysis of peritoneal adhesions  
5459 Other lysis of peritoneal adhesions  
5461 Reclosure of postoperative disruption of abdominal wall  
5462 Delayed closure of granulating abdominal wound  
5463 Other suture of abdominal wall  
5464 Suture of peritoneum  
5471 Repair of gastroschisis  
5472 Other repair of abdominal wall  
5473 Other repair of peritoneum  
5474 Other repair of omentum  
5475 Other repair of mesentery  
5491 Percutaneous abdominal drainage  
5492 Removal of foreign body from peritoneal cavity  
5493 Creation of cutaneoperitoneal fistula  
5494 Creation of peritoneovascular shunt  
5495 Incision of peritoneum  
5496 Injection of air into peritoneal cavity  
5497 Injection of locally-acting therapeutic substance into peritoneal cavity  
5498 Peritoneal dialysis  
5499 Other operations of abdominal region



5501 Nephrotomy  
5502 Nephrostomy  
5503 Percutaneous nephrostomy without fragmentation  
5504 Percutaneous nephrostomy with fragmentation  
5511 Pyelotomy  
5512 Pyelostomy  
5521 Nephroscopy  
5522 Pyeloscopy  
5523 Closed [percutaneous] [needle] biopsy of kidney  
5524 Open biopsy of kidney  
5529 Other diagnostic procedures on kidney  
5531 Marsupialization of kidney lesion  
5532 Open ablation of renal lesion or tissue  
5533 Percutaneous ablation of renal lesion or tissue  
5534 Laparoscopic ablation of renal lesion or tissue  
5535 Other and unspecified ablation of renal lesion or tissue  
5539 Other local destruction or excision of renal lesion or tissue  
554 Partial nephrectomy  
5551 Nephroureterectomy  
5552 Nephrectomy of remaining kidney  
5553 Removal of transplanted or rejected kidney  
5554 Bilateral nephrectomy  
5561 Renal autotransplantation  
5569 Other kidney transplantation  
557 Nephropexy  
5581 Suture of laceration of kidney  
5582 Closure of nephrostomy and pyelostomy  
5583 Closure of other fistula of kidney  
5584 Reduction of torsion of renal pedicle  
5585 Symphysiotomy for horseshoe kidney  
5586 Anastomosis of kidney  
5587 Correction of ureteropelvic junction  
5589 Other repair of kidney  
5591 Decapsulation of kidney  
5592 Percutaneous aspiration of kidney (pelvis)  
5593 Replacement of nephrostomy tube

5594 Replacement of pyelostomy tube  
5595 Local perfusion of kidney  
5596 Other injection of therapeutic substance into kidney  
5597 Implantation or replacement of mechanical kidney  
5598 Removal of mechanical kidney  
5599 Other operations on kidney  
560 Transurethral removal of obstruction from ureter and renal pelvis  
561 Ureteral meatotomy  
562 Ureterotomy  
5631 Ureteroscopy  
5632 Closed percutaneous biopsy of ureter  
5633 Closed endoscopic biopsy of ureter  
5634 Open biopsy of ureter  
5635 Endoscopy (cystoscopy) (looposcopy) of ileal conduit  
5639 Other diagnostic procedures on ureter  
5640 Ureterectomy, not otherwise specified  
5641 Partial ureterectomy  
5642 Total ureterectomy  
5651 Formation of cutaneous uretero-ileostomy  
5652 Revision of cutaneous uretero-ileostomy  
5661 Formation of other cutaneous ureterostomy  
5662 Revision of other cutaneous ureterostomy  
5671 Urinary diversion to intestine  
5672 Revision of ureterointestinal anastomosis  
5673 Nephrocystanastomosis, not otherwise specified  
5674 Ureteroneocystostomy  
5675 Transureteroureterostomy  
5679 Other anastomosis or bypass of ureter  
5681 Lysis of intraluminal adhesions of ureter  
5682 Suture of laceration of ureter  
5683 Closure of ureterostomy  
5684 Closure of other fistula of ureter  
5685 Ureteropexy  
5686 Removal of ligature from ureter  
5689 Other repair of ureter  
5691 Dilation of ureteral meatus

5692 Implantation of electronic ureteral stimulator  
5693 Replacement of electronic ureteral stimulator  
5694 Removal of electronic ureteral stimulator  
5695 Ligation of ureter  
5699 Other operations on ureter  
570 Transurethral clearance of bladder  
5711 Percutaneous aspiration of bladder  
5712 Lysis of intraluminal adhesions with incision into bladder  
5717 Percutaneous cystostomy  
5718 Other suprapubic cystostomy  
5719 Other cystotomy  
5721 Vesicostomy  
5722 Revision or closure of vesicostomy  
5731 Cystoscopy through artificial stoma  
5732 Other cystoscopy  
5733 Closed [transurethral] biopsy of bladder  
5734 Open biopsy of bladder  
5739 Other diagnostic procedures on bladder  
5741 Transurethral lysis of intraluminal adhesions  
5749 Other transurethral excision or destruction of lesion or tissue of bladder  
5751 Excision of urachus  
5759 Open excision or destruction of other lesion or tissue of bladder  
576 Partial cystectomy  
5771 Radical cystectomy  
5779 Other total cystectomy  
5781 Suture of laceration of bladder  
5782 Closure of cystostomy  
5783 Repair of fistula involving bladder and intestine  
5784 Repair of other fistula of bladder  
5785 Cystourethroplasty and plastic repair of bladder neck  
5786 Repair of bladder exstrophy  
5787 Reconstruction of urinary bladder  
5788 Other anastomosis of bladder  
5789 Other repair of bladder  
5791 Sphincterotomy of bladder  
5792 Dilation of bladder neck

5793 Control of (postoperative) hemorrhage of bladder  
5794 Insertion of indwelling urinary catheter  
5795 Replacement of indwelling urinary catheter  
5796 Implantation of electronic bladder stimulator  
5797 Replacement of electronic bladder stimulator  
5798 Removal of electronic bladder stimulator  
5799 Other operations on bladder  
580 Urethrotomy  
581 Urethral meatotomy  
5821 Perineal urethroscopy  
5822 Other urethroscopy  
5823 Biopsy of urethra  
5824 Biopsy of periurethral tissue  
5829 Other diagnostic procedures on urethra and periurethral tissue  
5831 Endoscopic excision or destruction of lesion or tissue of urethra  
5839 Other local excision or destruction of lesion or tissue of urethra  
5841 Suture of laceration of urethra  
5842 Closure of urethrostomy  
5843 Closure of other fistula of urethra  
5844 Reanastomosis of urethra  
5845 Repair of hypospadias or epispadias  
5846 Other reconstruction of urethra  
5847 Urethral meatoplasty  
5849 Other repair of urethra  
585 Release of urethral stricture  
586 Dilation of urethra  
5891 Incision of periurethral tissue  
5892 Excision of periurethral tissue  
5893 Implantation of artificial urinary sphincter [AUS]  
5899 Other operations on urethra and periurethral tissue  
5900 Retroperitoneal dissection, not otherwise specified  
5902 Other lysis of perirenal or periureteral adhesions  
5903 Laparoscopic lysis of perirenal or periureteral adhesions  
5909 Other incision of perirenal or periureteral tissue  
5911 Other lysis of perivesical adhesions  
5912 Laparoscopic lysis of perivesical adhesions

5919 Other incision of perivesical tissue  
5921 Biopsy of perirenal or perivesical tissue  
5929 Other diagnostic procedures on perirenal tissue, perivesical tissue, and retroperitoneum  
593 Plication of urethrovesical junction  
594 Suprapubic sling operation  
595 Retropubic urethral suspension  
596 Paraurethral suspension  
5971 Levator muscle operation for urethrovesical suspension  
5972 Injection of implant into urethra and/or bladder neck  
5979 Other repair of urinary stress incontinence  
598 Ureteral catheterization  
5991 Excision of perirenal or perivesical tissue  
5992 Other operations on perirenal or perivesical tissue  
5993 Replacement of ureterostomy tube  
5994 Replacement of cystostomy tube  
5995 Ultrasonic fragmentation of urinary stones  
5999 Other operations on urinary system  
600 Incision of prostate  
6011 Closed [percutaneous] [needle] biopsy of prostate  
6012 Open biopsy of prostate  
6013 Closed [percutaneous] biopsy of seminal vesicles  
6014 Open biopsy of seminal vesicles  
6015 Biopsy of periprostatic tissue  
6018 Other diagnostic procedures on prostate and periprostatic tissue  
6019 Other diagnostic procedures on seminal vesicles  
6021 Transurethral (ultrasound) guided laser induced prostatectomy (TULIP)  
6029 Other transurethral prostatectomy  
603 Suprapubic prostatectomy  
604 Retropubic prostatectomy  
605 Radical prostatectomy  
6061 Local excision of lesion of prostate  
6062 Perineal prostatectomy  
6069 Other prostatectomy  
6071 Percutaneous aspiration of seminal vesicle  
6072 Incision of seminal vesicle  
6073 Excision of seminal vesicle

6079 Other operations on seminal vesicles  
6081 Incision of periprostatic tissue  
6082 Excision of periprostatic tissue  
6091 Percutaneous aspiration of prostate  
6092 Injection into prostate  
6093 Repair of prostate  
6094 Control of (postoperative) hemorrhage of prostate  
6095 Transurethral balloon dilation of the prostatic urethra  
6096 Transurethral destruction of prostate tissue by microwave thermotherapy  
6097 Other transurethral destruction of prostate tissue by other thermotherapy  
6099 Other operations on prostate  
610 Incision and drainage of scrotum and tunica vaginalis  
6111 Biopsy of scrotum or tunica vaginalis  
6119 Other diagnostic procedures on scrotum and tunica vaginalis  
612 Excision of hydrocele (of tunica vaginalis)  
613 Excision or destruction of lesion or tissue of scrotum  
6141 Suture of laceration of scrotum and tunica vaginalis  
6142 Repair of scrotal fistula  
6149 Other repair of scrotum and tunica vaginalis  
6191 Percutaneous aspiration of tunica vaginalis  
6192 Excision of lesion of tunica vaginalis other than hydrocele  
6199 Other operations on scrotum and tunica vaginalis  
620 Incision of testis  
6211 Closed [percutaneous] [needle] biopsy of testis  
6212 Open biopsy of testis  
6219 Other diagnostic procedures on testes  
622 Excision or destruction of testicular lesion  
623 Unilateral orchiectomy  
6241 Removal of both testes at same operative episode  
6242 Removal of remaining testis  
625 Orchiopexy  
6261 Suture of laceration of testis  
6269 Other repair of testis  
627 Insertion of testicular prosthesis  
6291 Aspiration of testis  
6292 Injection of therapeutic substance into testis

6299 Other operations on testes

6301 Biopsy of spermatic cord, epididymis, or vas deferens

6309 Other diagnostic procedures on spermatic cord, epididymis, and vas deferens

631 Excision of varicocele and hydrocele of spermatic cord

632 Excision of cyst of epididymis

633 Excision of other lesion or tissue of spermatic cord and epididymis

634 Epididymectomy

6351 Suture of laceration of spermatic cord and epididymis

6352 Reduction of torsion of testis or spermatic cord

6353 Transplantation of spermatic cord

6359 Other repair of spermatic cord and epididymis

636 Vasotomy

6370 Male sterilization procedure, not otherwise specified

6371 Ligation of vas deferens

6372 Ligation of spermatic cord

6373 Vasectomy

6381 Suture of laceration of vas deferens and epididymis

6382 Reconstruction of surgically divided vas deferens

6383 Epididymovasostomy

6384 Removal of ligature from vas deferens

6385 Removal of valve from vas deferens

6389 Other repair of vas deferens and epididymis

6391 Aspiration of spermatocele

6392 Epididymotomy

6393 Incision of spermatic cord

6394 Lysis of adhesions of spermatic cord

6395 Insertion of valve in vas deferens

6399 Other operations on spermatic card, epididymis, and vas deferens

640 Circumcision

6411 Biopsy of penis

6419 Other diagnostic procedures on penis

642 Local excision or destruction of lesion of penis

643 Amputation of penis

6441 Suture of laceration of penis

6442 Release of chordee

6443 Construction of penis

6444 Reconstruction of penis  
6445 Replantation of penis  
6449 Other repair of penis  
645 Operations for sex transformation, not elsewhere classified  
6491 Dorsal or lateral slit of prepuce  
6492 Incision of penis  
6493 Division of penile adhesions  
6494 Fitting of external prosthesis of penis  
6495 Insertion or replacement of non-inflatable penile prosthesis  
6496 Removal of internal prosthesis of penis  
6497 Insertion or replacement of inflatable penile prosthesis  
6498 Other operations on penis  
6499 Other operations on male genital organs  
6501 Laparoscopic oophorotomy  
6509 Other oophorotomy  
6511 Aspiration biopsy of ovary  
6512 Other biopsy of ovary  
6513 Laparoscopic biopsy of ovary  
6514 Other laparoscopic diagnostic procedures on ovaries  
6519 Other diagnostic procedures on ovaries  
6521 Marsupialization of ovarian cyst  
6522 Wedge resection of ovary  
6523 Laparoscopic marsupialization of ovarian cyst  
6524 Laparoscopic wedge resection of ovary  
6525 Other laparoscopic local excision or destruction of ovary  
6529 Other local excision or destruction of ovary  
6531 Laparoscopic unilateral oophorectomy  
6539 Other unilateral oophorectomy  
6541 Laparoscopic unilateral salpingo-oophorectomy  
6549 Other unilateral salpingo-oophorectomy  
6551 Other removal of both ovaries at same operative episode  
6552 Other removal of remaining ovary  
6553 Laparoscopic removal of both ovaries at same operative episode  
6554 Laparoscopic removal of remaining ovary  
6561 Other removal of both ovaries and tubes at same operative episode  
6562 Other removal of remaining ovary and tube



6563 Laparoscopic removal of both ovaries and tubes at same operative episode  
6564 Laparoscopic removal of remaining ovary and tube  
6571 Other simple suture of ovary  
6572 Other reimplantation of ovary  
6573 Other salpingo-oophoroplasty  
6574 Laparoscopic simple suture of ovary  
6575 Laparoscopic reimplantation of ovary  
6576 Laparoscopic salpingo-oophoroplasty  
6579 Other repair of ovary  
6581 Laparoscopic lysis of adhesions of ovary and fallopian tube  
6589 Other lysis of adhesions of ovary and fallopian tube  
6591 Aspiration of ovary  
6592 Transplantation of ovary  
6593 Manual rupture of ovarian cyst  
6594 Ovarian denervation  
6595 Release of torsion of ovary  
6599 Other operations on ovary  
6601 Salpingotomy  
6602 Salpingostomy  
6611 Biopsy of fallopian tube  
6619 Other diagnostic procedures on fallopian tubes  
6621 Bilateral endoscopic ligation and crushing of fallopian tubes  
6622 Bilateral endoscopic ligation and division of fallopian tubes  
6629 Other bilateral endoscopic destruction or occlusion of fallopian tubes  
6631 Other bilateral ligation and crushing of fallopian tubes  
6632 Other bilateral ligation and division of fallopian tubes  
6639 Other bilateral destruction or occlusion of fallopian tubes  
664 Total unilateral salpingectomy  
6651 Removal of both fallopian tubes at same operative episode  
6652 Removal of remaining fallopian tube  
6661 Excision or destruction of lesion of fallopian tube  
6662 Salpingectomy with removal of tubal pregnancy  
6663 Bilateral partial salpingectomy, not otherwise specified  
6669 Other partial salpingectomy  
6671 Simple suture of fallopian tube  
6672 Salpingo-oophorostomy

6673 Salpingo-salpingostomy  
6674 Salpingo-uterostomy  
6679 Other repair of fallopian tube  
668 Insufflation of fallopian tube  
6691 Aspiration of fallopian tube  
6692 Unilateral destruction or occlusion of fallopian tube  
6693 Implantation or replacement of prosthesis of fallopian tube  
6694 Removal of prosthesis of fallopian tube  
6695 Insufflation of therapeutic agent into fallopian tubes  
6696 Dilation of fallopian tube  
6697 Burying of fimbriae in uterine wall  
6699 Other operations on fallopian tubes  
670 Dilation of cervical canal  
6711 Endocervical biopsy  
6712 Other cervical biopsy  
6719 Other diagnostic procedures on cervix  
672 Conization of cervix  
6731 Marsupialization of cervical cyst  
6732 Destruction of lesion of cervix by cauterization  
6733 Destruction of lesion of cervix by cryosurgery  
6739 Other excision or destruction of lesion or tissue of cervix  
674 Amputation of cervix  
6751 Transabdominal cerclage of cervix  
6759 Other repair of internal cervical os  
6761 Suture of laceration of cervix  
6762 Repair of fistula of cervix  
6769 Other repair of cervix  
680 Hysterotomy  
6811 Digital examination of uterus  
6812 Hysteroscopy  
6813 Open biopsy of uterus  
6814 Open biopsy of uterine ligaments  
6815 Closed biopsy of uterine ligaments  
6816 Closed biopsy of uterus  
6819 Other diagnostic procedures on uterus and supporting structures  
6821 Division of endometrial synechiae

6822 Incision or excision of congenital septum of uterus  
6823 Endometrial ablation  
6824 Uterine artery embolization [UAE] with coils  
6825 Uterine artery embolization [UAE] without coils  
6829 Other excision or destruction of lesion of uterus  
6831 Laparoscopic supracervical hysterectomy [LSH]  
6839 Other and unspecified subtotal abdominal hysterectomy  
6841 Laparoscopic total abdominal hysterectomy  
6849 Other and unspecified total abdominal hysterectomy  
6851 Laparoscopically assisted vaginal hysterectomy (LAVH)  
6859 Other and unspecified vaginal hysterectomy  
6861 Laparoscopic radical abdominal hysterectomy  
6869 Other and unspecified radical abdominal hysterectomy  
6871 Laparoscopic radical vaginal hysterectomy [LRVH]  
6879 Other and unspecified radical vaginal hysterectomy  
688 Pelvic evisceration  
689 Other and unspecified hysterectomy  
6901 Dilation and curettage for termination of pregnancy  
6902 Dilation and curettage following delivery or abortion  
6909 Other dilation and curettage  
6919 Other excision or destruction of uterus and supporting structures  
6921 Interposition operation  
6922 Other uterine suspension  
6923 Vaginal repair of chronic inversion of uterus  
6929 Other repair of uterus and supporting structures  
693 Paracervical uterine denervation  
6941 Suture of laceration of uterus  
6942 Closure of fistula of uterus  
6949 Other repair of uterus  
6951 Aspiration curettage of uterus for termination of pregnancy  
6952 Aspiration curettage following delivery or abortion  
6959 Other aspiration curettage of uterus  
696 Menstrual extraction or regulation  
697 Insertion of intrauterine contraceptive device  
6991 Insertion of therapeutic device into uterus  
6992 Artificial insemination

6993 Insertion of laminaria  
6994 Manual replacement of inverted uterus  
6995 Incision of cervix  
6996 Removal of cerclage material from cervix  
6997 Removal of other penetrating foreign body from cervix  
6998 Other operations on supporting structures of uterus  
6999 Other operations on cervix and uterus  
700 Culdocentesis  
7011 Hymenotomy  
7012 Culdotomy  
7013 Lysis of intraluminal adhesions of vagina  
7014 Other vaginotomy  
7021 Vaginoscopy  
7022 Culdoscopy  
7023 Biopsy of cul-de-sac  
7024 Vaginal biopsy  
7029 Other diagnostic procedures on vagina and cul-de-sac  
7031 Hymenectomy  
7032 Excision or destruction of lesion of cul-de-sac  
7033 Excision or destruction of lesion of vagina  
704 Obliteration and total excision of vagina  
7050 Repair of cystocele and rectocele  
7051 Repair of cystocele  
7052 Repair of rectocele  
7053 Repair of cystocele and rectocele with graft or prosthesis  
7054 Repair of cystocele with graft or prosthesis  
7055 Repair of rectocele with graft or prosthesis  
7061 Vaginal construction  
7062 Vaginal reconstruction  
7063 Vaginal construction with graft or prosthesis  
7064 Vaginal reconstruction with graft or prosthesis  
7071 Suture of laceration of vagina  
7072 Repair of colovaginal fistula  
7073 Repair of rectovaginal fistula  
7074 Repair of other vaginoenteric fistula  
7075 Repair of other fistula of vagina

7076 Hymenorrhaphy  
7077 Vaginal suspension and fixation  
7078 Vaginal suspension and fixation with graft or prosthesis  
7079 Other repair of vagina  
708 Obliteration of vaginal vault  
7091 Other operations on vagina  
7092 Other operations on cul-de-sac  
7093 Other operations on cul-de-sac with graft or prosthesis  
7094 Insertion of biological graft  
7095 Insertion of synthetic graft or prosthesis  
7101 Lysis of vulvar adhesions  
7109 Other incision of vulva and perineum  
7111 Biopsy of vulva  
7119 Other diagnostic procedures on vulva  
7121 Percutaneous aspiration of Bartholin's gland (cyst)  
7122 Incision of Bartholin's gland (cyst)  
7123 Marsupialization of Bartholin's gland (cyst)  
7124 Excision or other destruction of Bartholin's gland (cyst)  
7129 Other operations on Bartholin's gland  
713 Other local excision or destruction of vulva and perineum  
714 Operations on clitoris  
715 Radical vulvectomy  
7161 Unilateral vulvectomy  
7162 Bilateral vulvectomy  
7171 Suture of laceration of vulva or perineum  
7172 Repair of fistula of vulva or perineum  
7179 Other repair of vulva and perineum  
718 Other operations on vulva  
719 Other operations on female genital organs  
720 Low forceps operation  
721 Low forceps operation with episiotomy  
7221 Mid forceps operation with episiotomy  
7229 Other mid forceps operation  
7231 High forceps operation with episiotomy  
7239 Other high forceps operation  
724 Forceps rotation of fetal head

7251 Partial breech extraction with forceps to aftercoming head  
7252 Other partial breech extraction  
7253 Total breech extraction with forceps to aftercoming head  
7254 Other total breech extraction  
726 Forceps application to aftercoming head  
7271 Vacuum extraction with episiotomy  
7279 Other vacuum extraction  
728 Other specified instrumental delivery  
729 Unspecified instrumental delivery  
7301 Induction of labor by artificial rupture of membranes  
7309 Other artificial rupture of membranes  
731 Other surgical induction of labor  
7321 Internal and combined version without extraction  
7322 Internal and combined version with extraction  
733 Failed forceps  
734 Medical induction of labor  
7351 Manual rotation of fetal head  
7359 Other manually assisted delivery  
736 Episiotomy  
738 Operations on fetus to facilitate delivery  
7391 External version assisting delivery  
7392 Replacement of prolapsed umbilical cord  
7393 Incision of cervix to assist delivery  
7394 Pubiotomy to assist delivery  
7399 Other operations assisting delivery  
740 Classical cesarean section  
741 Low cervical cesarean section  
742 Extraperitoneal cesarean section  
743 Removal of extratubal ectopic pregnancy  
744 Cesarean section of other specified type  
7491 Hysterotomy to terminate pregnancy  
7499 Other cesarean section of unspecified type  
750 Intra-amniotic injection for abortion  
751 Diagnostic amniocentesis  
752 Intrauterine transfusion  
7531 Amnioscopy

7532 Fetal EKG (scalp)  
7533 Fetal blood sampling and biopsy  
7534 Other fetal monitoring  
7535 Other diagnostic procedures on fetus and amnion  
7536 Correction of fetal defect  
7537 Amnioinfusion  
7538 Fetal pulse oximetry  
754 Manual removal of retained placenta  
7550 Repair of current obstetric laceration of uterus, not otherwise specified  
7551 Repair of current obstetric laceration of cervix  
7552 Repair of current obstetric laceration of corpus uteri  
7561 Repair of current obstetric laceration of bladder and urethra  
7562 Repair of current obstetric laceration of rectum and sphincter ani  
7569 Repair of other current obstetric laceration  
757 Manual exploration of uterine cavity, postpartum  
758 Obstetric tamponade of uterus or vagina  
7591 Evacuation of obstetrical incisional hematoma of perineum  
7592 Evacuation of other hematoma of vulva or vagina  
7593 Surgical correction of inverted uterus  
7594 Immediate postpartum manual replacement of inverted uterus  
7599 Other obstetric operations  
7601 Sequestrectomy of facial bone  
7609 Other incision of facial bone  
7611 Biopsy of facial bone  
7619 Other diagnostic procedures on facial bones and joints  
762 Local excision or destruction of lesion of facial bone  
7631 Partial mandibulectomy  
7639 Partial ostectomy of other facial bone  
7641 Total mandibulectomy with synchronous reconstruction  
7642 Other total mandibulectomy  
7643 Other reconstruction of mandible  
7644 Total ostectomy of other facial bone with synchronous reconstruction  
7645 Other total ostectomy of other facial bone  
7646 Other reconstruction of other facial bone  
765 Temporomandibular arthroplasty  
7661 Closed osteoplasty [osteotomy] of mandibular ramus

7662 Open osteoplasty [osteotomy] of mandibular ramus  
7663 Osteoplasty [osteotomy] of body of mandible  
7664 Other orthognathic surgery on mandible  
7665 Segmental osteoplasty [osteotomy] of maxilla  
7666 Total osteoplasty [osteotomy] of maxilla  
7667 Reduction genioplasty  
7668 Augmentation genioplasty  
7669 Other facial bone repair  
7670 Reduction of facial fracture, not otherwise specified  
7671 Closed reduction of malar and zygomatic fracture  
7672 Open reduction of malar and zygomatic fracture  
7673 Closed reduction of maxillary fracture  
7674 Open reduction of maxillary fracture  
7675 Closed reduction of mandibular fracture  
7676 Open reduction of mandibular fracture  
7677 Open reduction of alveolar fracture  
7678 Other closed reduction of facial fracture  
7679 Other open reduction of facial fracture  
7691 Bone graft to facial bone  
7692 Insertion of synthetic implant in facial bone  
7693 Closed reduction of temporomandibular dislocation  
7694 Open reduction of temporomandibular dislocation  
7695 Other manipulation of temporomandibular joint  
7696 Injection of therapeutic substance into temporomandibular joint  
7697 Removal of internal fixation device from facial bone  
7699 Other operations on facial bones and joints  
7700 Sequestrectomy, unspecified site  
7701 Sequestrectomy, scapula, clavicle, and thorax [ribs and sternum]  
7702 Sequestrectomy, humerus  
7703 Sequestrectomy, radius and ulna  
7704 Sequestrectomy, carpals and metacarpals  
7705 Sequestrectomy, femur  
7706 Sequestrectomy, patella  
7707 Sequestrectomy, tibia and fibula  
7708 Sequestrectomy, tarsals and metatarsals  
7709 Sequestrectomy, other bones



7710 Other incision of bone without division, unspecified site  
7711 Other incision of bone without division, scapula, clavicle, and thorax [ribs and sternum]  
7712 Other incision of bone without division, humerus  
7713 Other incision of bone without division, radius and ulna  
7714 Other incision of bone without division, carpals and metacarpals  
7715 Other incision of bone without division, femur  
7716 Other incision of bone without division, patella  
7717 Other incision of bone without division, tibia and fibula  
7718 Other incision of bone without division, tarsals and metatarsals  
7719 Other incision of bone without division, other bones  
7720 Wedge osteotomy, unspecified site  
7721 Wedge osteotomy, scapula, clavicle, and thorax [ribs and sternum]  
7722 Wedge osteotomy, humerus  
7723 Wedge osteotomy, radius and ulna  
7724 Wedge osteotomy, carpals and metacarpals  
7725 Wedge osteotomy, femur  
7726 Wedge osteotomy, patella  
7727 Wedge osteotomy, tibia and fibula  
7728 Wedge osteotomy, tarsals and metatarsals  
7729 Wedge osteotomy, other bones  
7730 Other division of bone, unspecified site  
7731 Other division of bone, scapula, clavicle, and thorax [ribs and sternum]  
7732 Other division of bone, humerus  
7733 Other division of bone, radius and ulna  
7734 Other division of bone, carpals and metacarpals  
7735 Other division of bone, femur  
7736 Other division of bone, patella  
7737 Other division of bone, tibia and fibula  
7738 Other division of bone, tarsals and metatarsals  
7739 Other division of bone, other bones  
7740 Biopsy of bone, unspecified site  
7741 Biopsy of bone, scapula, clavicle, and thorax [ribs and sternum]  
7742 Biopsy of bone, humerus  
7743 Biopsy of bone, radius and ulna  
7744 Biopsy of bone, carpals and metacarpals  
7745 Biopsy of bone, femur

7746 Biopsy of bone, patella  
7747 Biopsy of bone, tibia and fibula  
7748 Biopsy of bone, tarsals and metatarsals  
7749 Biopsy of bone, other bones  
7751 Bunionectomy with soft tissue correction and osteotomy of the first metatarsal  
7752 Bunionectomy with soft tissue correction and arthrodesis  
7753 Other bunionectomy with soft tissue correction  
7754 Excision or correction of bunionette  
7756 Repair of hammer toe  
7757 Repair of claw toe  
7758 Other excision, fusion and repair of toes  
7759 Other bunionectomy  
7760 Local excision of lesion or tissue of bone, unspecified site  
7761 Local excision of lesion or tissue of bone, scapula, clavicle, and thorax [ribs and sternum]  
7762 Local excision of lesion or tissue of bone, humerus  
7763 Local excision of lesion or tissue of bone, radius and ulna  
7764 Local excision of lesion or tissue of bone, carpals and metacarpals  
7765 Local excision of lesion or tissue of bone, femur  
7766 Local excision of lesion or tissue of bone, patella  
7767 Local excision of lesion or tissue of bone, tibia and fibula  
7768 Local excision of lesion or tissue of bone, tarsals and metatarsals  
7769 Local excision of lesion or tissue of bone, other bones  
7770 Excision of bone for graft, unspecified site  
7771 Excision of bone for graft, scapula, clavicle, and thorax [ribs and sternum]  
7772 Excision of bone for graft, humerus  
7773 Excision of bone for graft, radius and ulna  
7774 Excision of bone for graft, carpals and metacarpals  
7775 Excision of bone for graft, femur  
7776 Excision of bone for graft, patella  
7777 Excision of bone for graft, tibia and fibula  
7778 Excision of bone for graft, tarsals and metatarsals  
7779 Excision of bone for graft, other bones  
7780 Other partial ostectomy, unspecified site  
7781 Other partial ostectomy, scapula, clavicle, and thorax [ribs and sternum]  
7782 Other partial ostectomy, humerus  
7783 Other partial ostectomy, radius and ulna

7784 Other partial ostectomy, carpals and metacarpals  
7785 Other partial ostectomy, femur  
7786 Other partial ostectomy, patella  
7787 Other partial ostectomy, tibia and fibula  
7788 Other partial ostectomy, tarsals and metatarsals  
7789 Other partial ostectomy, other bones  
7790 Total ostectomy, unspecified site  
7791 Total ostectomy, scapula, clavicle, and thorax [ribs and sternum]  
7792 Total ostectomy, humerus  
7793 Total ostectomy, radius and ulna  
7794 Total ostectomy, carpals and metacarpals  
7795 Total ostectomy, femur  
7796 Total ostectomy, patella  
7797 Total ostectomy, tibia and fibula  
7798 Total ostectomy, tarsals and metatarsals  
7799 Total ostectomy, other bones  
7800 Bone graft, unspecified site  
7801 Bone graft, scapula, clavicle, and thorax [ribs and sternum]  
7802 Bone graft, humerus  
7803 Bone graft, radius and ulna  
7804 Bone graft, carpals and metacarpals  
7805 Bone graft, femur  
7806 Bone graft, patella  
7807 Bone graft, tibia and fibula  
7808 Bone graft, tarsals and metatarsals  
7809 Bone graft, other bones  
7810 Application of external fixator device, unspecified site  
7811 Application of external fixator device, scapula, clavicle, and thorax [ribs and sternum]  
7812 Application of external fixator device, humerus  
7813 Application of external fixator device, radius and ulna  
7814 Application of external fixator device, carpals and metacarpals  
7815 Application of external fixator device, femur  
7816 Application of external fixator device, patella  
7817 Application of external fixator device, tibia and fibula  
7818 Application of external fixator device, tarsals and metatarsals  
7819 Application of external fixator device, other bones

7820 Limb shortening procedures, unspecified site  
7822 Limb shortening procedures, humerus  
7823 Limb shortening procedures, radius and ulna  
7824 Limb shortening procedures, carpals and metacarpals  
7825 Limb shortening procedures, femur  
7827 Limb shortening procedures, tibia and fibula  
7828 Limb shortening procedures, tarsals and metatarsals  
7829 Limb shortening procedures, other bones  
7830 Limb lengthening procedures, unspecified site  
7832 Limb lengthening procedures, humerus  
7833 Limb lengthening procedures, radius and ulna  
7834 Limb lengthening procedures, carpals and metacarpals  
7835 Limb lengthening procedures, femur  
7837 Limb lengthening procedures, tibia and fibula  
7838 Limb lengthening procedures, tarsals and metatarsals  
7839 Limb lengthening procedures, other bones  
7840 Other repair or plastic operations on bone, unspecified site  
7841 Other repair or plastic operations on bone, scapula, clavicle, and thorax [ribs and sternum]  
7842 Other repair or plastic operations on bone, humerus  
7843 Other repair or plastic operations on bone, radius and ulna  
7844 Other repair or plastic operations on bone, carpals and metacarpals  
7845 Other repair or plastic operations on bone, femur  
7846 Other repair or plastic operations on bone, patella  
7847 Other repair or plastic operations on bone, tibia and fibula  
7848 Other repair or plastic operations on bone, tarsals and metatarsals  
7849 Other repair or plastic operations on bone, other bones  
7850 Internal fixation of bone without fracture reduction, unspecified site  
7851 Internal fixation of bone without fracture reduction, scapula, clavicle, and thorax [ribs and sternum]  
7852 Internal fixation of bone without fracture reduction, humerus  
7853 Internal fixation of bone without fracture reduction, radius and ulna  
7854 Internal fixation of bone without fracture reduction, carpals and metacarpals  
7855 Internal fixation of bone without fracture reduction, femur  
7856 Internal fixation of bone without fracture reduction, patella  
7857 Internal fixation of bone without fracture reduction, tibia and fibula  
7858 Internal fixation of bone without fracture reduction, tarsals and metatarsals

7859 Internal fixation of bone without fracture reduction, other bones  
7860 Removal of implanted devices from bone, unspecified site  
7861 Removal of implanted devices from bone, scapula, clavicle, and thorax [ribs and sternum]  
7862 Removal of implanted devices from bone, humerus  
7863 Removal of implanted devices from bone, radius and ulna  
7864 Removal of implanted devices from bone, carpals and metacarpals  
7865 Removal of implanted devices from bone, femur  
7866 Removal of implanted devices from bone, patella  
7867 Removal of implanted devices from bone, tibia and fibula  
7868 Removal of implanted devices from bone, tarsals and metatarsals  
7869 Removal of implanted devices from bone, other bones  
7870 Osteoclasia, unspecified site  
7871 Osteoclasia, scapula, clavicle, and thorax [ribs and sternum]  
7872 Osteoclasia, humerus  
7873 Osteoclasia, radius and ulna  
7874 Osteoclasia, carpals and metacarpals  
7875 Osteoclasia, femur  
7876 Osteoclasia, patella  
7877 Osteoclasia, tibia and fibula  
7878 Osteoclasia, tarsals and metatarsals  
7879 Osteoclasia, other bones  
7880 Diagnostic procedures on bone, not elsewhere classified, unspecified site  
7881 Diagnostic procedures on bone, not elsewhere classified, scapula, clavicle, and thorax [ribs and sternum]  
7882 Diagnostic procedures on bone, not elsewhere classified, humerus  
7883 Diagnostic procedures on bone, not elsewhere classified, radius and ulna  
7884 Diagnostic procedures on bone, not elsewhere classified, carpals and metacarpals  
7885 Diagnostic procedures on bone, not elsewhere classified, femur  
7886 Diagnostic procedures on bone, not elsewhere classified, patella  
7887 Diagnostic procedures on bone, not elsewhere classified, tibia and fibula  
7888 Diagnostic procedures on bone, not elsewhere classified, tarsals and metatarsals  
7889 Diagnostic procedures on bone, not elsewhere classified, other bones  
7890 Insertion of bone growth stimulator, unspecified site  
7891 Insertion of bone growth stimulator, scapula, clavicle and thorax [ribs and sternum]  
7892 Insertion of bone growth stimulator, humerus  
7893 Insertion of bone growth stimulator, radius and ulna

7894 Insertion of bone growth stimulator, carpals and metacarpals  
7895 Insertion of bone growth stimulator, femur  
7896 Insertion of bone growth stimulator, patella  
7897 Insertion of bone growth stimulator, tibia and fibula  
7898 Insertion of bone growth stimulator, tarsals and metatarsals  
7899 Insertion of bone growth stimulator, other bones  
7900 Closed reduction of fracture without internal fixation, unspecified site  
7901 Closed reduction of fracture without internal fixation, humerus  
7902 Closed reduction of fracture without internal fixation, radius and ulna  
7903 Closed reduction of fracture without internal fixation, carpals and metacarpals  
7904 Closed reduction of fracture without internal fixation, phalanges of hand  
7905 Closed reduction of fracture without internal fixation, femur  
7906 Closed reduction of fracture without internal fixation, tibia and fibula  
7907 Closed reduction of fracture without internal fixation, tarsals and metatarsals  
7908 Closed reduction of fracture without internal fixation, phalanges of foot  
7909 Closed reduction of fracture without internal fixation, other specified bone  
7910 Closed reduction of fracture with internal fixation, unspecified site  
7911 Closed reduction of fracture with internal fixation, humerus  
7912 Closed reduction of fracture with internal fixation, radius and ulna  
7913 Closed reduction of fracture with internal fixation, carpals and metacarpals  
7914 Closed reduction of fracture with internal fixation, phalanges of hand  
7915 Closed reduction of fracture with internal fixation, femur  
7916 Closed reduction of fracture with internal fixation, tibia and fibula  
7917 Closed reduction of fracture with internal fixation, tarsals and metatarsals  
7918 Closed reduction of fracture with internal fixation, phalanges of foot  
7919 Closed reduction of fracture with internal fixation, other specified bone  
7920 Open reduction of fracture without internal fixation, unspecified site  
7921 Open reduction of fracture without internal fixation, humerus  
7922 Open reduction of fracture without internal fixation, radius and ulna  
7923 Open reduction of fracture without internal fixation, carpals and metacarpals  
7924 Open reduction of fracture without internal fixation, phalanges of hand  
7925 Open reduction of fracture without internal fixation, femur  
7926 Open reduction of fracture without internal fixation, tibia and fibula  
7927 Open reduction of fracture without internal fixation, tarsals and metatarsals  
7928 Open reduction of fracture without internal fixation, phalanges of foot  
7929 Open reduction of fracture without internal fixation, other specified bone

7930 Open reduction of fracture with internal fixation, unspecified site  
7931 Open reduction of fracture with internal fixation, humerus  
7932 Open reduction of fracture with internal fixation, radius and ulna  
7933 Open reduction of fracture with internal fixation, carpals and metacarpals  
7934 Open reduction of fracture with internal fixation, phalanges of hand  
7935 Open reduction of fracture with internal fixation, femur  
7936 Open reduction of fracture with internal fixation, tibia and fibula  
7937 Open reduction of fracture with internal fixation, tarsals and metatarsals  
7938 Open reduction of fracture with internal fixation, phalanges of foot  
7939 Open reduction of fracture with internal fixation, other specified bone  
7940 Closed reduction of separated epiphysis, unspecified site  
7941 Closed reduction of separated epiphysis, humerus  
7942 Closed reduction of separated epiphysis, radius and ulna  
7945 Closed reduction of separated epiphysis, femur  
7946 Closed reduction of separated epiphysis, tibia and fibula  
7949 Closed reduction of separated epiphysis, other specified bone  
7950 Open reduction of separated epiphysis, unspecified site  
7951 Open reduction of separated epiphysis, humerus  
7952 Open reduction of separated epiphysis, radius and ulna  
7955 Open reduction of separated epiphysis, femur  
7956 Open reduction of separated epiphysis, tibia and fibula  
7959 Open reduction of separated epiphysis, other specified bone  
7960 Debridement of open fracture, unspecified site  
7961 Debridement of open fracture site, humerus  
7962 Debridement of open fracture site, radius and ulna  
7963 Debridement of open fracture site, carpals and metacarpals  
7964 Debridement of open fracture site, phalanges of hand  
7965 Debridement of open fracture site, femur  
7966 Debridement of open fracture site, tibia and fibula  
7967 Debridement of open fracture site, tarsals and metatarsals  
7968 Debridement of open fracture site, phalanges of foot  
7969 Debridement of open fracture site, other specified bone  
7970 Closed reduction of dislocation of unspecified site  
7971 Closed reduction of dislocation of shoulder  
7972 Closed reduction of dislocation of elbow  
7973 Closed reduction of dislocation of wrist

7974 Closed reduction of dislocation of hand and finger  
7975 Closed reduction of dislocation of hip  
7976 Closed reduction of dislocation of knee  
7977 Closed reduction of dislocation of ankle  
7978 Closed reduction of dislocation of foot and toe  
7979 Closed reduction of dislocation of other specified sites  
7980 Open reduction of dislocation of unspecified site  
7981 Open reduction of dislocation of shoulder  
7982 Open reduction of dislocation of elbow  
7983 Open reduction of dislocation of wrist  
7984 Open reduction of dislocation of hand and finger  
7985 Open reduction of dislocation of hip  
7986 Open reduction of dislocation of knee  
7987 Open reduction of dislocation of ankle  
7988 Open reduction of dislocation of foot and toe  
7989 Open reduction of dislocation of other specified sites  
7990 Unspecified operation on bone injury, unspecified site  
7991 Unspecified operation on bone injury, humerus  
7992 Unspecified operation on bone injury, radius and ulna  
7993 Unspecified operation on bone injury, carpals and metacarpals  
7994 Unspecified operation on bone injury, phalanges of hand  
7995 Unspecified operation on bone injury, femur  
7996 Unspecified operation on bone injury, tibia and fibula  
7997 Unspecified operation on bone injury, tarsals and metatarsals  
7998 Unspecified operation on bone injury, phalanges of foot  
7999 Unspecified operation on bone injury, other specified bone  
8000 Arthrotomy for removal of prosthesis without replacement, unspecified site  
8001 Arthrotomy for removal of prosthesis without replacement, shoulder  
8002 Arthrotomy for removal of prosthesis without replacement, elbow  
8003 Arthrotomy for removal of prosthesis without replacement, wrist  
8004 Arthrotomy for removal of prosthesis without replacement, hand and finger  
8005 Arthrotomy for removal of prosthesis without replacement, hip  
8006 Arthrotomy for removal of prosthesis without replacement, knee  
8007 Arthrotomy for removal of prosthesis without replacement, ankle  
8008 Arthrotomy for removal of prosthesis without replacement, foot and toe  
8009 Arthrotomy for removal of prosthesis without replacement, other specified sites



8010 Other arthrotomy, unspecified site  
8011 Other arthrotomy, shoulder  
8012 Other arthrotomy, elbow  
8013 Other arthrotomy, wrist  
8014 Other arthrotomy, hand and finger  
8015 Other arthrotomy, hip  
8016 Other arthrotomy, knee  
8017 Other arthrotomy, ankle  
8018 Other arthrotomy, foot and toe  
8019 Other arthrotomy, other specified sites  
8020 Arthroscopy, unspecified site  
8021 Arthroscopy, shoulder  
8022 Arthroscopy, elbow  
8023 Arthroscopy, wrist  
8024 Arthroscopy, hand and finger  
8025 Arthroscopy, hip  
8026 Arthroscopy, knee  
8027 Arthroscopy, ankle  
8028 Arthroscopy, foot and toe  
8029 Arthroscopy, other specified sites  
8030 Biopsy of joint structure, unspecified site  
8031 Biopsy of joint structure, shoulder  
8032 Biopsy of joint structure, elbow  
8033 Biopsy of joint structure, wrist  
8034 Biopsy of joint structure, hand and finger  
8035 Biopsy of joint structure, hip  
8036 Biopsy of joint structure, knee  
8037 Biopsy of joint structure, ankle  
8038 Biopsy of joint structure, foot and toe  
8039 Biopsy of joint structure, other specified sites  
8040 Division of joint capsule, ligament, or cartilage, unspecified site  
8041 Division of joint capsule, ligament, or cartilage, shoulder  
8042 Division of joint capsule, ligament, or cartilage, elbow  
8043 Division of joint capsule, ligament, or cartilage, wrist  
8044 Division of joint capsule, ligament, or cartilage, hand and finger  
8045 Division of joint capsule, ligament, or cartilage, hip

8046 Division of joint capsule, ligament, or cartilage, knee  
8047 Division of joint capsule, ligament, or cartilage, ankle  
8048 Division of joint capsule, ligament, or cartilage, foot and toe  
8049 Division of joint capsule, ligament, or cartilage, other specified sites  
8050 Excision or destruction of intervertebral disc, unspecified  
8051 Excision of intervertebral disc  
8052 Intervertebral chemonucleolysis  
8053 Repair of the annulus fibrosus with graft or prosthesis  
8054 Other and unspecified repair of the annulus fibrosus  
8059 Other destruction of intervertebral disc  
806 Excision of semilunar cartilage of knee  
8070 Synovectomy, unspecified site  
8071 Synovectomy, shoulder  
8072 Synovectomy, elbow  
8073 Synovectomy, wrist  
8074 Synovectomy, hand and finger  
8075 Synovectomy, hip  
8076 Synovectomy, knee  
8077 Synovectomy, ankle  
8078 Synovectomy, foot and toe  
8079 Synovectomy, other specified sites  
8080 Other local excision or destruction of lesion of joint, unspecified site  
8081 Other local excision or destruction of lesion of joint, shoulder  
8082 Other local excision or destruction of lesion of joint, elbow  
8083 Other local excision or destruction of lesion of joint, wrist  
8084 Other local excision or destruction of lesion of joint, hand and finger  
8085 Other local excision or destruction of lesion of joint, hip  
8086 Other local excision or destruction of lesion of joint, knee  
8087 Other local excision or destruction of lesion of joint, ankle  
8088 Other local excision or destruction of lesion of joint, foot and toe  
8089 Other local excision or destruction of lesion of joint, other specified sites  
8090 Other excision of joint, unspecified site  
8091 Other excision of joint, shoulder  
8092 Other excision of joint, elbow  
8093 Other excision of joint, wrist  
8094 Other excision of joint, hand and finger

8095 Other excision of joint, hip  
8096 Other excision of joint, knee  
8097 Other excision of joint, ankle  
8098 Other excision of joint, foot and toe  
8099 Other excision of joint, other specified sites  
8100 Spinal fusion, not otherwise specified  
8101 Atlas-axis spinal fusion  
8102 Other cervical fusion of the anterior column, anterior technique  
8103 Other cervical fusion of the posterior column, posterior technique  
8104 Dorsal and dorsolumbar fusion of the anterior column, anterior technique  
8105 Dorsal and dorsolumbar fusion of the posterior column, posterior technique  
8106 Lumbar and lumbosacral fusion of the anterior column, anterior technique  
8107 Lumbar and lumbosacral fusion of the posterior column, posterior technique  
8108 Lumbar and lumbosacral fusion of the anterior column, posterior technique  
8111 Ankle fusion  
8112 Triple arthrodesis  
8113 Subtalar fusion  
8114 Midtarsal fusion  
8115 Tarsometatarsal fusion  
8116 Metatarsophalangeal fusion  
8117 Other fusion of foot  
8118 Subtalar joint arthroereisis  
8120 Arthrodesis of unspecified joint  
8121 Arthrodesis of hip  
8122 Arthrodesis of knee  
8123 Arthrodesis of shoulder  
8124 Arthrodesis of elbow  
8125 Carporadial fusion  
8126 Metacarpocarpal fusion  
8127 Metacarpophalangeal fusion  
8128 Interphalangeal fusion  
8129 Arthrodesis of other specified joints  
8130 Refusion of spine, not otherwise specified  
8131 Refusion of atlas-axis spine  
8132 Refusion of other cervical spine, anterior column, anterior technique  
8133 Refusion of other cervical spine, posterior column, posterior technique

8134 Refusion of dorsal and dorsolumbar spine, anterior column, anterior technique  
8135 Refusion of dorsal and dorsolumbar spine, posterior column, posterior technique  
8136 Refusion of lumbar and lumbosacral spine, anterior column, anterior technique  
8137 Refusion of lumbar and lumbosacral spine, posterior column, posterior technique  
8138 Refusion of lumbar and lumbosacral spine, anterior column, posterior technique  
8139 Refusion of spine, not elsewhere classified  
8140 Repair of hip, not elsewhere classified  
8142 Five-in-one repair of knee  
8143 Triad knee repair  
8144 Patellar stabilization  
8145 Other repair of the cruciate ligaments  
8146 Other repair of the collateral ligaments  
8147 Other repair of knee  
8149 Other repair of ankle  
8151 Total hip replacement  
8152 Partial hip replacement  
8153 Revision of hip replacement, not otherwise specified  
8154 Total knee replacement  
8155 Revision of knee replacement, not otherwise specified  
8156 Total ankle replacement  
8157 Replacement of joint of foot and toe  
8159 Revision of joint replacement of lower extremity, not elsewhere classified  
8162 Fusion or refusion of 2-3 vertebrae  
8163 Fusion or refusion of 4-8 vertebrae  
8164 Fusion or refusion of 9 or more vertebrae  
8165 Percutaneous vertebroplasty  
8166 Percutaneous vertebral augmentation  
8171 Arthroplasty of metacarpophalangeal and interphalangeal joint with implant  
8172 Arthroplasty of metacarpophalangeal and interphalangeal joint without implant  
8173 Total wrist replacement  
8174 Arthroplasty of carpocarpal or carpometacarpal joint with implant  
8175 Arthroplasty of carpocarpal or carpometacarpal joint without implant  
8179 Other repair of hand, fingers, and wrist  
8180 Other total shoulder replacement  
8181 Partial shoulder replacement  
8182 Repair of recurrent dislocation of shoulder

8183 Other repair of shoulder  
8184 Total elbow replacement  
8185 Other repair of elbow  
8188 Reverse total shoulder replacement  
8191 Arthrocentesis  
8192 Injection of therapeutic substance into joint or ligament  
8193 Suture of capsule or ligament of upper extremity  
8194 Suture of capsule or ligament of ankle and foot  
8195 Suture of capsule or ligament of other lower extremity  
8196 Other repair of joint  
8197 Revision of joint replacement of upper extremity  
8198 Other diagnostic procedures on joint structures  
8199 Other operations on joint structures  
8201 Exploration of tendon sheath of hand  
8202 Myotomy of hand  
8203 Bursotomy of hand  
8204 Incision and drainage of palmar or thenar space  
8209 Other incision of soft tissue of hand  
8211 Tenotomy of hand  
8212 Fasciotomy of hand  
8219 Other division of soft tissue of hand  
8221 Excision of lesion of tendon sheath of hand  
8222 Excision of lesion of muscle of hand  
8229 Excision of other lesion of soft tissue of hand  
8231 Bursectomy of hand  
8232 Excision of tendon of hand for graft  
8233 Other tenonectomy of hand  
8234 Excision of muscle or fascia of hand for graft  
8235 Other fasciectomy of hand  
8236 Other myectomy of hand  
8239 Other excision of soft tissue of hand  
8241 Suture of tendon sheath of hand  
8242 Delayed suture of flexor tendon of hand  
8243 Delayed suture of other tendon of hand  
8244 Other suture of flexor tendon of hand  
8245 Other suture of other tendon of hand

8246 Suture of muscle or fascia of hand  
8251 Advancement of tendon of hand  
8252 Recession of tendon of hand  
8253 Reattachment of tendon of hand  
8254 Reattachment of muscle of hand  
8255 Other change in hand muscle or tendon length  
8256 Other hand tendon transfer or transplantation  
8257 Other hand tendon transposition  
8258 Other hand muscle transfer or transplantation  
8259 Other hand muscle transposition  
8261 Pollicization operation carrying over nerves and blood supply  
8269 Other reconstruction of thumb  
8271 Tendon pulley reconstruction of hand  
8272 Plastic operation on hand with graft of muscle or fascia  
8279 Plastic operation on hand with other graft or implant  
8281 Transfer of finger, except thumb  
8282 Repair of cleft hand  
8283 Repair of macrodactyly  
8284 Repair of mallet finger  
8285 Other tenodesis of hand  
8286 Other tenoplasty of hand  
8289 Other plastic operations on hand  
8291 Lysis of adhesions of hand  
8292 Aspiration of bursa of hand  
8293 Aspiration of other soft tissue of hand  
8294 Injection of therapeutic substance into bursa of hand  
8295 Injection of therapeutic substance into tendon of hand  
8296 Other injection of locally-acting therapeutic substance into soft tissue of hand  
8299 Other operations on muscle, tendon, and fascia of hand  
8301 Exploration of tendon sheath  
8302 Myotomy  
8303 Bursotomy  
8309 Other incision of soft tissue  
8311 Achillotenotomy  
8312 Adductor tenotomy of hip  
8313 Other tenotomy

8314 Fasciotomy  
8319 Other division of soft tissue  
8321 Open biopsy of soft tissue  
8329 Other diagnostic procedures on muscle, tendon, fascia, and bursa, including that of hand  
8331 Excision of lesion of tendon sheath  
8332 Excision of lesion of muscle  
8339 Excision of lesion of other soft tissue  
8341 Excision of tendon for graft  
8342 Other tenonectomy  
8343 Excision of muscle or fascia for graft  
8344 Other fasciectomy  
8345 Other myectomy  
8349 Other excision of soft tissue  
835 Bursectomy  
8361 Suture of tendon sheath  
8362 Delayed suture of tendon  
8363 Rotator cuff repair  
8364 Other suture of tendon  
8365 Other suture of muscle or fascia  
8371 Advancement of tendon  
8372 Recession of tendon  
8373 Reattachment of tendon  
8374 Reattachment of muscle  
8375 Tendon transfer or transplantation  
8376 Other tendon transposition  
8377 Muscle transfer or transplantation  
8379 Other muscle transposition  
8381 Tendon graft  
8382 Graft of muscle or fascia  
8383 Tendon pulley reconstruction other than hand  
8384 Release of clubfoot, not elsewhere classified  
8385 Other change in muscle or tendon length  
8386 Quadricepsplasty  
8387 Other plastic operations on muscle  
8388 Other plastic operations on tendon  
8389 Other plastic operations on fascia

8391 Lysis of adhesions of muscle, tendon, fascia, and bursa  
8392 Insertion or replacement of skeletal muscle stimulator  
8393 Removal of skeletal muscle stimulator  
8394 Aspiration of bursa  
8395 Aspiration of other soft tissue  
8396 Injection of therapeutic substance into bursa  
8397 Injection of therapeutic substance into tendon  
8398 Injection of locally acting therapeutic substance into other soft tissue  
8399 Other operations on muscle, tendon, fascia, and bursa  
8400 Upper limb amputation, not otherwise specified  
8401 Amputation and disarticulation of finger  
8402 Amputation and disarticulation of thumb  
8403 Amputation through hand  
8404 Disarticulation of wrist  
8405 Amputation through forearm  
8406 Disarticulation of elbow  
8407 Amputation through humerus  
8408 Disarticulation of shoulder  
8409 Interthoracoscapular amputation  
8410 Lower limb amputation, not otherwise specified  
8411 Amputation of toe  
8412 Amputation through foot  
8413 Disarticulation of ankle  
8414 Amputation of ankle through malleoli of tibia and fibula  
8415 Other amputation below knee  
8416 Disarticulation of knee  
8417 Amputation above knee  
8418 Disarticulation of hip  
8419 Abdominopelvic amputation  
8421 Thumb reattachment  
8422 Finger reattachment  
8423 Forearm, wrist, or hand reattachment  
8424 Upper arm reattachment  
8425 Toe reattachment  
8426 Foot reattachment  
8427 Lower leg or ankle reattachment



8428 Thigh reattachment  
8429 Other reattachment of extremity  
843 Revision of amputation stump  
8440 Implantation or fitting of prosthetic limb device, not otherwise specified  
8441 Fitting of prosthesis of upper arm and shoulder  
8442 Fitting of prosthesis of lower arm and hand  
8443 Fitting of prosthesis of arm, not otherwise specified  
8444 Implantation of prosthetic device of arm  
8445 Fitting of prosthesis above knee  
8446 Fitting of prosthesis below knee  
8447 Fitting of prosthesis of leg, not otherwise specified  
8448 Implantation of prosthetic device of leg  
8451 Insertion of interbody spinal fusion device  
8452 Insertion of recombinant bone morphogenetic protein  
8453 Implantation of internal limb lengthening device with kinetic distraction  
8454 Implantation of other internal limb lengthening device  
8455 Insertion of bone void filler  
8456 Insertion or replacement of (cement) spacer  
8457 Removal of (cement) spacer  
8459 Insertion of other spinal devices  
8460 Insertion of spinal disc prosthesis, not otherwise specified  
8461 Insertion of partial spinal disc prosthesis, cervical  
8462 Insertion of total spinal disc prosthesis, cervical  
8463 Insertion of spinal disc prosthesis, thoracic  
8464 Insertion of partial spinal disc prosthesis, lumbosacral  
8465 Insertion of total spinal disc prosthesis, lumbosacral  
8466 Revision or replacement of artificial spinal disc prosthesis, cervical  
8467 Revision or replacement of artificial spinal disc prosthesis, thoracic  
8468 Revision or replacement of artificial spinal disc prosthesis, lumbosacral  
8469 Revision or replacement of artificial spinal disc prosthesis, not otherwise specified  
8471 Application of external fixator device, monoplanar system  
8472 Application of external fixator device, ring system  
8473 Application of hybrid external fixator device  
8480 Insertion or replacement of interspinous process device(s)  
8481 Revision of interspinous process device(s)  
8482 Insertion or replacement of pedicle-based dynamic stabilization device(s)

8483 Revision of pedicle-based dynamic stabilization device(s)  
8484 Insertion or replacement of facet replacement device(s)  
8485 Revision of facet replacement device(s)  
8491 Amputation, not otherwise specified  
8492 Separation of equal conjoined twins  
8493 Separation of unequal conjoined twins  
8494 Insertion of sternal fixation device with rigid plates  
8499 Other operations on musculoskeletal system  
850 Mastotomy  
8511 Closed [percutaneous] [needle] biopsy of breast  
8512 Open biopsy of breast  
8519 Other diagnostic procedures on breast  
8520 Excision or destruction of breast tissue, not otherwise specified  
8521 Local excision of lesion of breast  
8522 Resection of quadrant of breast  
8523 Subtotal mastectomy  
8524 Excision of ectopic breast tissue  
8525 Excision of nipple  
8531 Unilateral reduction mammoplasty  
8532 Bilateral reduction mammoplasty  
8533 Unilateral subcutaneous mastectomy with synchronous implant  
8534 Other unilateral subcutaneous mastectomy  
8535 Bilateral subcutaneous mastectomy with synchronous implant  
8536 Other bilateral subcutaneous mastectomy  
8541 Unilateral simple mastectomy  
8542 Bilateral simple mastectomy  
8543 Unilateral extended simple mastectomy  
8544 Bilateral extended simple mastectomy  
8545 Unilateral radical mastectomy  
8546 Bilateral radical mastectomy  
8547 Unilateral extended radical mastectomy  
8548 Bilateral extended radical mastectomy  
8550 Augmentation mammoplasty, not otherwise specified  
8551 Unilateral injection into breast for augmentation  
8552 Bilateral injection into breast for augmentation  
8553 Unilateral breast implant

8554 Bilateral breast implant  
8555 Fat graft to breast  
856 Mastopexy  
8570 Total reconstruction of breast, not otherwise specified  
8571 Latissimus dorsi myocutaneous flap  
8572 Transverse rectus abdominis myocutaneous (TRAM) flap, pedicled  
8573 Transverse rectus abdominis myocutaneous (TRAM) flap, free  
8574 Deep inferior epigastric artery perforator (DIEP) flap, free  
8575 Superficial inferior epigastric artery (SIEA) flap, free  
8576 Gluteal artery perforator (GAP) flap, free  
8579 Other total reconstruction of breast  
8581 Suture of laceration of breast  
8582 Split-thickness graft to breast  
8583 Full-thickness graft to breast  
8584 Pedicle graft to breast  
8585 Muscle flap graft to breast  
8586 Transposition of nipple  
8587 Other repair or reconstruction of nipple  
8589 Other mammoplasty  
8591 Aspiration of breast  
8592 Injection of therapeutic agent into breast  
8593 Revision of implant of breast  
8594 Removal of implant of breast  
8595 Insertion of breast tissue expander  
8596 Removal of breast tissue expander  
8599 Other operations on the breast  
8601 Aspiration of skin and subcutaneous tissue  
8602 Injection or tattooing of skin lesion or defect  
8603 Incision of pilonidal sinus or cyst  
8604 Other incision with drainage of skin and subcutaneous tissue  
8605 Incision with removal of foreign body or device from skin and subcutaneous tissue  
8606 Insertion of totally implantable infusion pump  
8607 Insertion of totally implantable vascular access device [VAD]  
8609 Other incision of skin and subcutaneous tissue  
8611 Closed biopsy of skin and subcutaneous tissue  
8619 Other diagnostic procedures on skin and subcutaneous tissue

8621 Excision of pilonidal cyst or sinus  
8622 Excisional debridement of wound, infection, or burn  
8623 Removal of nail, nail bed, or nail fold  
8624 Chemosurgery of skin  
8625 Dermabrasion  
8626 Ligation of dermal appendage  
8627 Debridement of nail, nail bed, or nail fold  
8628 Nonexcisional debridement of wound, infection or burn  
863 Other local excision or destruction of lesion or tissue of skin and subcutaneous tissue  
864 Radical excision of skin lesion  
8651 Replantation of scalp  
8659 Closure of skin and subcutaneous tissue of other sites  
8660 Free skin graft, not otherwise specified  
8661 Full-thickness skin graft to hand  
8662 Other skin graft to hand  
8663 Full-thickness skin graft to other sites  
8664 Hair transplant  
8665 Heterograft to skin  
8666 Homograft to skin  
8667 Dermal regenerative graft  
8669 Other skin graft to other sites  
8670 Pedicle or flap graft, not otherwise specified  
8671 Cutting and preparation of pedicle grafts or flaps  
8672 Advancement of pedicle graft  
8673 Attachment of pedicle or flap graft to hand  
8674 Attachment of pedicle or flap graft to other sites  
8675 Revision of pedicle or flap graft  
8681 Repair for facial weakness  
8682 Facial rhytidectomy  
8683 Size reduction plastic operation  
8684 Relaxation of scar or web contracture of skin  
8685 Correction of syndactyly  
8686 Onychoplasty  
8687 Fat graft of skin and subcutaneous tissue  
8689 Other repair and reconstruction of skin and subcutaneous tissue  
8690 Extraction of fat for graft or banking

8691 Excision of skin for graft  
8692 Electrolysis and other epilation of skin  
8693 Insertion of tissue expander  
8694 Insertion or replacement of single array neurostimulator pulse generator, not specified as rechargeable  
8695 Insertion or replacement of multiple array neurostimulator pulse generator, not specified as rechargeable  
8696 Insertion or replacement of other neurostimulator pulse generator  
8697 Insertion or replacement of single array rechargeable neurostimulator pulse generator  
8698 Insertion or replacement of multiple array (two or more) rechargeable neurostimulator pulse generator  
8699 Other operations on skin and subcutaneous tissue  
8701 Pneumoencephalogram  
8702 Other contrast radiogram of brain and skull  
8703 Computerized axial tomography of head  
8704 Other tomography of head  
8705 Contrast dacryocystogram  
8706 Contrast radiogram of nasopharynx  
8707 Contrast laryngogram  
8708 Cervical lymphangiogram  
8709 Other soft tissue x-ray of face, head, and neck  
8711 Full-mouth x-ray of teeth  
8712 Other dental x-ray  
8713 Temporomandibular contrast arthrograph  
8714 Contrast radiogram of orbit  
8715 Contrast radiogram of sinus  
8716 Other x-ray of facial bones  
8717 Other x-ray of skull  
8721 Contrast myelogram  
8722 Other x-ray of cervical spine  
8723 Other x-ray of thoracic spine  
8724 Other x-ray of lumbosacral spine  
8729 Other x-ray of spine  
8731 Endotracheal bronchogram  
8732 Other contrast bronchogram  
8733 Mediastinal pneumogram  
8734 Intrathoracic lymphangiogram

8735 Contrast radiogram of mammary ducts  
8736 Xerography of breast  
8737 Other mammography  
8738 Sinogram of chest wall  
8739 Other soft tissue x-ray of chest wall  
8741 Computerized axial tomography of thorax  
8742 Other tomography of thorax  
8743 X-ray of ribs, sternum, and clavicle  
8744 Routine chest x-ray, so described  
8749 Other chest x-ray  
8751 Percutaneous hepatic cholangiogram  
8752 Intravenous cholangiogram  
8753 Intraoperative cholangiogram  
8754 Other cholangiogram  
8759 Other biliary tract x-ray  
8761 Barium swallow  
8762 Upper GI series  
8763 Small bowel series  
8764 Lower GI series  
8765 Other x-ray of intestine  
8766 Contrast pancreatogram  
8769 Other digestive tract x-ray  
8771 Computerized axial tomography of kidney  
8772 Other nephrotomogram  
8773 Intravenous pyelogram  
8774 Retrograde pyelogram  
8775 Percutaneous pyelogram  
8776 Retrograde cystourethrogram  
8777 Other cystogram  
8778 Ileal conduitogram  
8779 Other x-ray of the urinary system  
8781 X-ray of gravid uterus  
8782 Gas contrast hysterosalpingogram  
8783 Opaque dye contrast hysterosalpingogram  
8784 Percutaneous hystrogram  
8785 Other x-ray of fallopian tubes and uterus

8789 Other x-ray of female genital organs  
8791 Contrast seminal vesiculogram  
8792 Other x-ray of prostate and seminal vesicles  
8793 Contrast epididymogram  
8794 Contrast vasogram  
8795 Other x-ray of epididymis and vas deferens  
8799 Other x-ray of male genital organs  
8801 Computerized axial tomography of abdomen  
8802 Other abdomen tomography  
8803 Sinogram of abdominal wall  
8804 Abdominal lymphangiogram  
8809 Other soft tissue x-ray of abdominal wall  
8811 Pelvic opaque dye contrast radiography  
8812 Pelvic gas contrast radiography  
8813 Other peritoneal pneumogram  
8814 Retroperitoneal fistulogram  
8815 Retroperitoneal pneumogram  
8816 Other retroperitoneal x-ray  
8819 Other x-ray of abdomen  
8821 Skeletal x-ray of shoulder and upper arm  
8822 Skeletal x-ray of elbow and forearm  
8823 Skeletal x-ray of wrist and hand  
8824 Skeletal x-ray of upper limb, not otherwise specified  
8825 Pelvimetry  
8826 Other skeletal x-ray of pelvis and hip  
8827 Skeletal x-ray of thigh, knee, and lower leg  
8828 Skeletal x-ray of ankle and foot  
8829 Skeletal x-ray of lower limb, not otherwise specified  
8831 Skeletal series  
8832 Contrast arthrogram  
8833 Other skeletal x-ray  
8834 Lymphangiogram of upper limb  
8835 Other soft tissue x-ray of upper limb  
8836 Lymphangiogram of lower limb  
8837 Other soft tissue x-ray of lower limb  
8838 Other computerized axial tomography

8839 X-ray, other and unspecified  
8840 Arteriography using contrast material, unspecified site  
8841 Arteriography of cerebral arteries  
8842 Aortography  
8843 Arteriography of pulmonary arteries  
8844 Arteriography of other intrathoracic vessels  
8845 Arteriography of renal arteries  
8846 Arteriography of placenta  
8847 Arteriography of other intra-abdominal arteries  
8848 Arteriography of femoral and other lower extremity arteries  
8849 Arteriography of other specified sites  
8850 Angiocardiology, not otherwise specified  
8851 Angiocardiology of venae cavae  
8852 Angiocardiology of right heart structures  
8853 Angiocardiology of left heart structures  
8854 Combined right and left heart angiocardiology  
8855 Coronary arteriography using a single catheter  
8856 Coronary arteriography using two catheters  
8857 Other and unspecified coronary arteriography  
8858 Negative-contrast cardiac roentgenography  
8859 Intra-operative coronary fluorescence vascular angiography  
8860 Phlebography using contrast material, unspecified site  
8861 Phlebography of veins of head and neck using contrast material  
8862 Phlebography of pulmonary veins using contrast material  
8863 Phlebography of other intrathoracic veins using contrast material  
8864 Phlebography of the portal venous system using contrast material  
8865 Phlebography of other Intra-Abdominal veins using contrast material  
8866 Phlebography of femoral and other lower extremity veins using contrast material  
8867 Phlebography of other specified sites using contrast material  
8868 Impedance phlebography  
8871 Diagnostic ultrasound of head and neck  
8872 Diagnostic ultrasound of heart  
8873 Diagnostic ultrasound of other sites of thorax  
8874 Diagnostic ultrasound of digestive system  
8875 Diagnostic ultrasound of urinary system  
8876 Diagnostic ultrasound of abdomen and retroperitoneum



8877 Diagnostic ultrasound of peripheral vascular system  
8878 Diagnostic ultrasound of gravid uterus  
8879 Other diagnostic ultrasound  
8881 Cerebral thermography  
8882 Ocular thermography  
8883 Bone thermography  
8884 Muscle thermography  
8885 Breast thermography  
8886 Blood vessel thermography  
8889 Thermography of other sites  
8890 Diagnostic imaging, not elsewhere classified  
8891 Magnetic resonance imaging of brain and brain stem  
8892 Magnetic resonance imaging of chest and myocardium  
8893 Magnetic resonance imaging of spinal canal  
8894 Magnetic resonance imaging of musculoskeletal  
8895 Magnetic resonance imaging of pelvis, prostate, and bladder  
8896 Other intraoperative magnetic resonance imaging  
8897 Magnetic resonance imaging of other and unspecified sites  
8898 Bone mineral density studies  
8901 Interview and evaluation, described as brief  
8902 Interview and evaluation, described as limited  
8903 Interview and evaluation, described as comprehensive  
8904 Other interview and evaluation  
8905 Diagnostic interview and evaluation, not otherwise specified  
8906 Consultation, described as limited  
8907 Consultation, described as comprehensive  
8908 Other consultation  
8909 Consultation, not otherwise specified  
8910 Intracarotid amobarbital test  
8911 Tonometry  
8912 Nasal function study  
8913 Neurologic examination  
8914 Electroencephalogram  
8915 Other nonoperative neurologic function tests  
8916 Transillumination of newborn skull  
8917 Polysomnogram

8918 Other sleep disorder function tests  
8919 Video and radio-telemetered electroencephalographic monitoring  
8921 Urinary manometry  
8922 Cystometrogram  
8923 Urethral sphincter electromyogram  
8924 Uroflowmetry [UFR]  
8925 Urethral pressure profile [UPP]  
8926 Gynecological examination  
8929 Other nonoperative genitourinary system measurements  
8931 Dental examination  
8932 Esophageal manometry  
8933 Digital examination of enterostomy stoma  
8934 Digital examination of rectum  
8935 Transillumination of nasal sinuses  
8936 Manual examination of breast  
8937 Vital capacity determination  
8938 Other nonoperative respiratory measurements  
8939 Other nonoperative measurements and examinations  
8941 Cardiovascular stress test using treadmill  
8942 Masters' two-step stress test  
8943 Cardiovascular stress test using bicycle ergometer  
8944 Other cardiovascular stress test  
8945 Artificial pacemaker rate check  
8946 Artificial pacemaker artifact wave form check  
8947 Artificial pacemaker electrode impedance check  
8948 Artificial pacemaker voltage or amperage threshold check  
8949 Automatic implantable cardioverter/defibrillator (AICD) check  
8950 Ambulatory cardiac monitoring  
8951 Rhythm electrocardiogram  
8952 Electrocardiogram  
8953 Vectorcardiogram (with ECG)  
8954 Electrographic monitoring  
8955 Phonocardiogram with ECG lead  
8956 Carotid pulse tracing with ECG lead  
8957 Apexcardiogram (with ECG lead)  
8958 Plethysmogram

8959 Other nonoperative cardiac and vascular measurements

8960 Continuous intra-arterial blood gas monitoring

8961 Systemic arterial pressure monitoring

8962 Central venous pressure monitoring

8963 Pulmonary artery pressure monitoring

8964 Pulmonary artery wedge monitoring

8965 Measurement of systemic arterial blood gases

8966 Measurement of mixed venous blood gases

8967 Monitoring of cardiac output by oxygen consumption technique

8968 Monitoring of cardiac output by other technique

8969 Monitoring of coronary blood flow

897 General physical examination

898 Autopsy

9001 Microscopic examination of specimen from nervous system and of spinal fluid, bacterial smear

9002 Microscopic examination of specimen from nervous system and of spinal fluid, culture

9003 Microscopic examination of specimen from nervous system and of spinal fluid, culture and sensitivity

9004 Microscopic examination of specimen from nervous system and of spinal fluid, parasitology

9005 Microscopic examination of specimen from nervous system and of spinal fluid, toxicology

9006 Microscopic examination of specimen from nervous system and of spinal fluid, cell block and Papanicolaou smear

9009 Microscopic examination of specimen from nervous system and of spinal fluid, other microscopic examination

9011 Microscopic examination of specimen from endocrine gland, not elsewhere classified, bacterial smear

9012 Microscopic examination of specimen from endocrine gland, not elsewhere classified, culture

9013 Microscopic examination of specimen from endocrine gland, not elsewhere classified, culture and sensitivity

9014 Microscopic examination of specimen from endocrine gland, not elsewhere classified, parasitology

9015 Microscopic examination of specimen from endocrine gland, not elsewhere classified, toxicology

9016 Microscopic examination of specimen from endocrine gland, not elsewhere classified, cell block and Papanicolaou smear

9019 Microscopic examination of specimen from endocrine gland, not elsewhere classified, other microscopic examination

9021 Microscopic examination of specimen from eye, bacterial smear

9022 Microscopic examination of specimen from eye, culture

9023 Microscopic examination of specimen from eye, culture and sensitivity

9024 Microscopic examination of specimen from eye, parasitology

9025 Microscopic examination of specimen from eye, toxicology

9026 Microscopic examination of specimen from eye, cell block and Papanicolaou smear

9029 Microscopic examination of specimen from eye, other microscopic examination

9031 Microscopic examination of specimen from ear, nose, throat, and larynx, bacterial smear

9032 Microscopic examination of specimen from ear, nose, throat, and larynx, culture

9033 Microscopic examination of specimen from ear, nose, throat, and larynx, culture and sensitivity

9034 Microscopic examination of specimen from ear, nose, throat, and larynx, parasitology

9035 Microscopic examination of specimen from ear, nose, throat, and larynx, toxicology

9036 Microscopic examination of specimen from ear, nose, throat, and larynx, cell block and Papanicolaou smear

9039 Microscopic examination of specimen from ear, nose, throat, and larynx, other microscopic examination

9041 Microscopic examination of specimen from trachea, bronchus, pleura, lung, and other thoracic specimen, and of sputum, bacterial smear

9042 Microscopic examination of specimen from trachea, bronchus, pleura, lung, and other thoracic specimen, and of sputum, culture

9043 Microscopic examination of specimen from trachea, bronchus, pleura, lung, and other thoracic specimen, and of sputum, culture and sensitivity

9044 Microscopic examination of specimen from trachea, bronchus, pleura, lung, and other thoracic specimen, and of sputum, parasitology

9045 Microscopic examination of specimen from trachea, bronchus, pleura, lung, and other thoracic specimen, and of sputum, toxicology

9046 Microscopic examination of specimen from trachea, bronchus, pleura, lung, and other thoracic specimen, and of sputum, cell block and Papanicolaou smear

9049 Microscopic examination of specimen from trachea, bronchus, pleura, lung, and other thoracic specimen, and of sputum, other microscopic examination

9051 Microscopic examination of blood, bacterial smear

9052 Microscopic examination of blood, culture

9053 Microscopic examination of blood, culture and sensitivity

9054 Microscopic examination of blood, parasitology

9055 Microscopic examination of blood, toxicology

9056 Microscopic examination of blood, cell block and Papanicolaou smear

9059 Microscopic examination of blood, other microscopic examination

9061 Microscopic examination of specimen from spleen and of bone marrow, bacterial smear

9062 Microscopic examination of specimen from spleen and of bone marrow, culture

9063 Microscopic examination of specimen from spleen and of bone marrow, culture and sensitivity

9064 Microscopic examination of specimen from spleen and of bone marrow, parasitology

9065 Microscopic examination of specimen from spleen and of bone marrow, toxicology

9066 Microscopic examination of specimen from spleen and of bone marrow, cell block and Papanicolaou smear

9069 Microscopic examination of specimen from spleen and of bone marrow, other microscopic examination

9071 Microscopic examination of specimen from lymph node and of lymph, bacterial smear

9072 Microscopic examination of specimen from lymph node and of lymph, culture

9073 Microscopic examination of specimen from lymph node and of lymph, culture and sensitivity

9074 Microscopic examination of specimen from lymph node and of lymph, parasitology

9075 Microscopic examination of specimen from lymph node and of lymph, toxicology

9076 Microscopic examination of specimen from lymph node and of lymph, cell block and Papanicolaou smear

9079 Microscopic examination of specimen from lymph node and of lymph, other microscopic examination

9081 Microscopic examination of specimen from upper gastrointestinal tract and of vomitus, bacterial smear

9082 Microscopic examination of specimen from upper gastrointestinal tract and of vomitus, culture

9083 Microscopic examination of specimen from upper gastrointestinal tract and of vomitus, culture and sensitivity

9084 Microscopic examination of specimen from upper gastrointestinal tract and of vomitus, parasitology

9085 Microscopic examination of specimen from upper gastrointestinal tract and of vomitus, toxicology

9086 Microscopic examination of specimen from upper gastrointestinal tract and of vomitus, cell block and Papanicolaou smear

9089 Microscopic examination of specimen from upper gastrointestinal tract and of vomitus, other microscopic examination

9091 Microscopic examination of specimen from lower gastrointestinal tract and of stool, bacterial smear

9092 Microscopic examination of specimen from lower gastrointestinal tract and of stool, culture

9093 Microscopic examination of specimen from lower gastrointestinal tract and of stool, culture and sensitivity

9094 Microscopic examination of specimen from lower gastrointestinal tract and of stool, parasitology

9095 Microscopic examination of specimen from lower gastrointestinal tract and of stool, toxicology

9096 Microscopic examination of specimen from lower gastrointestinal tract and of stool, cell block and Papanicolaou smear

9099 Microscopic examination of specimen from lower gastrointestinal tract and of stool, other microscopic examination

- 9101 Microscopic examination of specimen from liver, biliary tract, and pancreas, bacterial smear
- 9102 Microscopic examination of specimen from liver, biliary tract, and pancreas, culture
- 9103 Microscopic examination of specimen from liver, biliary tract, and pancreas, culture and sensitivity
- 9104 Microscopic examination of specimen from liver, biliary tract, and pancreas, parasitology
- 9105 Microscopic examination of specimen from liver, biliary tract, and pancreas, toxicology
- 9106 Microscopic examination of specimen from liver, biliary tract, and pancreas, cell block and Papanicolaou smear
- 9109 Microscopic examination of specimen from liver, biliary tract, and pancreas, other microscopic examination
- 9111 Microscopic examination of peritoneal and retroperitoneal specimen, bacterial smear
- 9112 Microscopic examination of peritoneal and retroperitoneal specimen, culture
- 9113 Microscopic examination of peritoneal and retroperitoneal specimen, culture and sensitivity
- 9114 Microscopic examination of peritoneal and retroperitoneal specimen, parasitology
- 9115 Microscopic examination of peritoneal and retroperitoneal specimen, toxicology
- 9116 Microscopic examination of peritoneal and retroperitoneal specimen, cell block and Papanicolaou smear
- 9119 Microscopic examination of peritoneal and retroperitoneal specimen, other microscopic examination
- 9121 Microscopic examination of specimen from kidney, ureter, perirenal and periureteral tissue, bacterial smear
- 9122 Microscopic examination of specimen from kidney, ureter, perirenal and periureteral tissue, culture
- 9123 Microscopic examination of specimen from kidney, ureter, perirenal and periureteral tissue, culture and sensitivity
- 9124 Microscopic examination of specimen from kidney, ureter, perirenal and periureteral tissue, parasitology
- 9125 Microscopic examination of specimen from kidney, ureter, perirenal and periureteral tissue, toxicology
- 9126 Microscopic examination of specimen from kidney, ureter, perirenal and periureteral tissue, cell block and Papanicolaou smear
- 9129 Microscopic examination of specimen from kidney, ureter, perirenal and periureteral tissue, other microscopic examination
- 9131 Microscopic examination of specimen from bladder, urethra, prostate, seminal vesicle, perivesical tissue, and of urine and semen, bacterial smear
- 9132 Microscopic examination of specimen from bladder, urethra, prostate, seminal vesicle, perivesical tissue, and of urine and semen, culture
- 9133 Microscopic examination of specimen from bladder, urethra, prostate, seminal vesicle, perivesical tissue, and of urine and semen, culture and sensitivity
- 9134 Microscopic examination of specimen from bladder, urethra, prostate, seminal vesicle, perivesical tissue, and of urine and semen, parasitology

9135 Microscopic examination of specimen from bladder, urethra, prostate, seminal vesicle, perivesical tissue, and of urine and semen, toxicology

9136 Microscopic examination of specimen from bladder, urethra, prostate, seminal vesicle, perivesical tissue, and of urine and semen, cell block and Papanicolaou smear

9139 Microscopic examination of specimen from bladder, urethra, prostate, seminal vesicle, perivesical tissue, and of urine and semen, other microscopic examination

9141 Microscopic examination of specimen from female genital tract, bacterial smear

9142 Microscopic examination of specimen from female genital tract, culture

9143 Microscopic examination of specimen from female genital tract, culture and sensitivity

9144 Microscopic examination of specimen from female genital tract, parasitology

9145 Microscopic examination of specimen from female genital tract, toxicology

9146 Microscopic examination of specimen from female genital tract, cell block and Papanicolaou smear

9149 Microscopic examination of specimen from female genital tract, other microscopic examination

9151 Microscopic examination of specimen from musculoskeletal system and of joint fluid, bacterial smear

9152 Microscopic examination of specimen from musculoskeletal system and of joint fluid, culture

9153 Microscopic examination of specimen from musculoskeletal system and of joint fluid, culture and sensitivity

9154 Microscopic examination of specimen from musculoskeletal system and of joint fluid, parasitology

9155 Microscopic examination of specimen from musculoskeletal system and of joint fluid, toxicology

9156 Microscopic examination of specimen from musculoskeletal system and of joint fluid, cell block and Papanicolaou smear

9159 Microscopic examination of specimen from musculoskeletal system and of joint fluid, other microscopic examination

9161 Microscopic examination of specimen from skin and other integument, bacterial smear

9162 Microscopic examination of specimen from skin and other integument, culture

9163 Microscopic examination of specimen from skin and other integument, culture and sensitivity

9164 Microscopic examination of specimen from skin and other integument, parasitology

9165 Microscopic examination of specimen from skin and other integument, toxicology

9166 Microscopic examination of specimen from skin and other integument, cell block and Papanicolaou smear

9169 Microscopic examination of specimen from skin and other integument, other microscopic examination

9171 Microscopic examination of specimen from operative wound, bacterial smear

9172 Microscopic examination of specimen from operative wound, culture

9173 Microscopic examination of specimen from operative wound, culture and sensitivity

9174 Microscopic examination of specimen from operative wound, parasitology  
9175 Microscopic examination of specimen from operative wound, toxicology  
9176 Microscopic examination of specimen from operative wound, cell block and Papanicolaou smear  
9179 Microscopic examination of specimen from operative wound, other microscopic examination  
9181 Microscopic examination of specimen from other site, bacterial smear  
9182 Microscopic examination of specimen from other site, culture  
9183 Microscopic examination of specimen from other site, culture and sensitivity  
9184 Microscopic examination of specimen from other site, parasitology  
9185 Microscopic examination of specimen from other site, toxicology  
9186 Microscopic examination of specimen from other site, cell block and Papanicolaou smear  
9189 Microscopic examination of specimen from other site, other microscopic examination  
9191 Microscopic examination of specimen from unspecified site, bacterial smear  
9192 Microscopic examination of specimen from unspecified site, culture  
9193 Microscopic examination of specimen from unspecified site, culture and sensitivity  
9194 Microscopic examination of specimen from unspecified site, parasitology  
9195 Microscopic examination of specimen from unspecified site, toxicology  
9196 Microscopic examination of specimen from unspecified site, cell block and Papanicolaou smear  
9199 Microscopic examination of specimen from unspecified site, other microscopic examination  
9201 Thyroid scan and radioisotope function studies  
9202 Liver scan and radioisotope function study  
9203 Renal scan and radioisotope function study  
9204 Gastrointestinal scan and radioisotope function study  
9205 Cardiovascular and hematopoietic scan and radioisotope function study  
9209 Other radioisotope function studies  
9211 Cerebral scan  
9212 Scan of other sites of head  
9213 Parathyroid scan  
9214 Bone scan  
9215 Pulmonary scan  
9216 Scan of lymphatic system  
9217 Placental scan  
9218 Total body scan  
9219 Scan of other sites  
9220 Infusion of liquid brachytherapy radioisotope  
9221 Superficial radiation



9222 Orthovoltage radiation  
9223 Radioisotopic teleradiotherapy  
9224 Teleradiotherapy using photons  
9225 Teleradiotherapy using electrons  
9226 Teleradiotherapy of other particulate radiation  
9227 Implantation or insertion of radioactive elements  
9228 Injection or instillation of radioisotopes  
9229 Other radiotherapeutic procedure  
9230 Stereotactic radiosurgery, not otherwise specified  
9231 Single source photon radiosurgery  
9232 Multi-source photon radiosurgery  
9233 Particulate radiosurgery  
9239 Stereotactic radiosurgery, not elsewhere classified  
9241 Intra-operative electron radiation therapy  
9301 Functional evaluation  
9302 Orthotic evaluation  
9303 Prosthetic evaluation  
9304 Manual testing of muscle function  
9305 Range of motion testing  
9306 Measurement of limb length  
9307 Body measurement  
9308 Electromyography  
9309 Other diagnostic physical therapy procedure  
9311 Assisting exercise  
9312 Other active musculoskeletal exercise  
9313 Resistive exercise  
9314 Training in joint movements  
9315 Mobilization of spine  
9316 Mobilization of other joints  
9317 Other passive musculoskeletal exercise  
9318 Breathing exercise  
9319 Exercise, not elsewhere classified  
9321 Manual and mechanical traction  
9322 Ambulation and gait training  
9323 Fitting of orthotic device  
9324 Training in use of prosthetic or orthotic device

9325 Forced extension of limb  
9326 Manual rupture of joint adhesions  
9327 Stretching of muscle or tendon  
9328 Stretching of fascia  
9329 Other forcible correction of musculoskeletal deformity  
9331 Assisted exercise in pool  
9332 Whirlpool treatment  
9333 Other hydrotherapy  
9334 Diathermy  
9335 Other heat therapy  
9336 Cardiac retraining  
9337 Prenatal training  
9338 Combined physical therapy without mention of the components  
9339 Other physical therapy  
9341 Spinal traction using skull device  
9342 Other spinal traction  
9343 Intermittent skeletal traction  
9344 Other skeletal traction  
9345 Thomas' splint traction  
9346 Other skin traction of limbs  
9351 Application of plaster jacket  
9352 Application of neck support  
9353 Application of other cast  
9354 Application of splint  
9355 Dental wiring  
9356 Application of pressure dressing  
9357 Application of other wound dressing  
9358 Application of pressure trousers  
9359 Other immobilization, pressure, and attention to wound  
9361 Osteopathic manipulative treatment for general mobilization  
9362 Osteopathic manipulative treatment using high-velocity, low-amplitude forces  
9363 Osteopathic manipulative treatment using low-velocity, high-amplitude forces  
9364 Osteopathic manipulative treatment using isotonic, isometric forces  
9365 Osteopathic manipulative treatment using indirect forces  
9366 Osteopathic manipulative treatment to move tissue fluids  
9367 Other specified osteopathic manipulative treatment

9371 Dyslexia training  
9372 Dysphasia training  
9373 Esophageal speech training  
9374 Speech defect training  
9375 Other speech training and therapy  
9376 Training in use of lead dog for the blind  
9377 Training in braille or moon  
9378 Other rehabilitation for the blind  
9381 Recreation therapy  
9382 Educational therapy  
9383 Occupational therapy  
9384 Music therapy  
9385 Vocational rehabilitation  
9389 Rehabilitation, not elsewhere classified  
9390 Non-invasive mechanical ventilation  
9391 Intermittent positive pressure breathing [IPPB]  
9393 Nonmechanical methods of resuscitation  
9394 Respiratory medication administered by nebulizer  
9395 Hyperbaric oxygenation  
9396 Other oxygen enrichment  
9397 Decompression chamber  
9398 Other control of atmospheric pressure and composition  
9399 Other respiratory procedures  
9401 Administration of intelligence test  
9402 Administration of psychologic test  
9403 Character analysis  
9408 Other psychologic evaluation and testing  
9409 Psychologic mental status determination, not otherwise specified  
9411 Psychiatric mental status determination  
9412 Routine psychiatric visit, not otherwise specified  
9413 Psychiatric commitment evaluation  
9419 Other psychiatric interview and evaluation  
9421 Narcoanalysis  
9422 Lithium therapy  
9423 Neuroleptic therapy  
9424 Chemical shock therapy

9425 Other psychiatric drug therapy  
9426 Subconvulsive electroshock therapy  
9427 Other electroshock therapy  
9429 Other psychiatric somatotherapy  
9431 Psychoanalysis  
9432 Hypnotherapy  
9433 Behavior therapy  
9434 Individual therapy for psychosexual dysfunction  
9435 Crisis intervention  
9436 Play psychotherapy  
9437 Exploratory verbal psychotherapy  
9438 Supportive verbal psychotherapy  
9439 Other individual psychotherapy  
9441 Group therapy for psychosexual dysfunction  
9442 Family therapy  
9443 Psychodrama  
9444 Other group therapy  
9445 Drug addiction counseling  
9446 Alcoholism counseling  
9449 Other counseling  
9451 Referral for psychotherapy  
9452 Referral for psychiatric aftercare  
9453 Referral for alcoholism rehabilitation  
9454 Referral for drug addiction rehabilitation  
9455 Referral for vocational rehabilitation  
9459 Referral for other psychologic rehabilitation  
9461 Alcohol rehabilitation  
9462 Alcohol detoxification  
9463 Alcohol rehabilitation and detoxification  
9464 Drug rehabilitation  
9465 Drug detoxification  
9466 Drug rehabilitation and detoxification  
9467 Combined alcohol and drug rehabilitation  
9468 Combined alcohol and drug detoxification  
9469 Combined alcohol and drug rehabilitation and detoxification  
9501 Limited eye examination

9502 Comprehensive eye examination  
9503 Extended ophthalmologic work-up  
9504 Eye examination under anesthesia  
9505 Visual field study  
9506 Color vision study  
9507 Dark adaptation study  
9509 Eye examination, not otherwise specified  
9511 Fundus photography  
9512 Fluorescein angiography or angioscopy of eye  
9513 Ultrasound study of eye  
9514 X-ray study of eye  
9515 Ocular motility study  
9516 P32 and other tracer studies of eye  
9521 Electroretinogram [ERG]  
9522 Electro-oculogram [EOG]  
9523 Visual evoked potential [VEP]  
9524 Electronystagmogram [ENG]  
9525 Electromyogram of eye [EMG]  
9526 Tonography, provocative tests, and other glaucoma testing  
9531 Fitting and dispensing of spectacles  
9532 Prescription, fitting, and dispensing of contact lens  
9533 Dispensing of other low vision aids  
9534 Ocular prosthetics  
9535 Orthoptic training  
9536 Ophthalmologic counseling and instruction  
9541 Audiometry  
9542 Clinical test of hearing  
9543 Audiological evaluation  
9544 Clinical vestibular function tests  
9545 Rotation tests  
9546 Other auditory and vestibular function tests  
9547 Hearing examination, not otherwise specified  
9548 Fitting of hearing aid  
9549 Other nonoperative procedures related to hearing  
9601 Insertion of nasopharyngeal airway  
9602 Insertion of oropharyngeal airway

9603 Insertion of esophageal obturator airway  
9604 Insertion of endotracheal tube  
9605 Other intubation of respiratory tract  
9606 Insertion of Sengstaken tube  
9607 Insertion of other (nasal-)gastric tube  
9608 Insertion of (nasal-)intestinal tube  
9609 Insertion of rectal tube  
9611 Packing of external auditory canal  
9614 Vaginal packing  
9615 Insertion of vaginal mold  
9616 Other vaginal dilation  
9617 Insertion of vaginal diaphragm  
9618 Insertion of other vaginal pessary  
9619 Rectal packing  
9621 Dilation of frontonasal duct  
9622 Dilation of rectum  
9623 Dilation of anal sphincter  
9624 Dilation and manipulation of enterostomy stoma  
9625 Therapeutic distention of bladder  
9626 Manual reduction of rectal prolapse  
9627 Manual reduction of hernia  
9628 Manual reduction of enterostomy prolapse  
9629 Reduction of intussusception of alimentary tract  
9631 Gastric cooling  
9632 Gastric freezing  
9633 Gastric lavage  
9634 Other irrigation of (nasal-)gastric tube  
9635 Gastric gavage  
9636 Irrigation of gastrostomy or enterostomy  
9637 Proctoclysis  
9638 Removal of impacted feces  
9639 Other transanal enema  
9641 Irrigation of cholecystostomy and other biliary tube  
9642 Irrigation of pancreatic tube  
9643 Digestive tract instillation, except gastric gavage  
9644 Vaginal douche

9645 Irrigation of nephrostomy and pyelostomy  
9646 Irrigation of ureterostomy and ureteral catheter  
9647 Irrigation of cystostomy  
9648 Irrigation of other indwelling urinary catheter  
9649 Other genitourinary instillation  
9651 Irrigation of eye  
9652 Irrigation of ear  
9653 Irrigation of nasal passages  
9654 Dental scaling, polishing, and debridement  
9655 Tracheostomy toilette  
9656 Other lavage of bronchus and trachea  
9657 Irrigation of vascular catheter  
9658 Irrigation of wound catheter  
9659 Other irrigation of wound  
966 Enteral infusion of concentrated nutritional substances  
9670 Continuous invasive mechanical ventilation of unspecified duration  
9671 Continuous invasive mechanical ventilation for less than 96 consecutive hours  
9672 Continuous invasive mechanical ventilation for 96 consecutive hours or more  
9701 Replacement of (nasal-)gastric or esophagostomy tube  
9702 Replacement of gastrostomy tube  
9703 Replacement of tube or enterostomy device of small intestine  
9704 Replacement of tube or enterostomy device of large intestine  
9705 Replacement of stent (tube) in biliary or pancreatic duct  
9711 Replacement of cast on upper limb  
9712 Replacement of cast on lower limb  
9713 Replacement of other cast  
9714 Replacement of other device for musculoskeletal immobilization  
9715 Replacement of wound catheter  
9716 Replacement of wound packing or drain  
9721 Replacement of nasal packing  
9722 Replacement of dental packing  
9723 Replacement of tracheostomy tube  
9724 Replacement and refitting of vaginal diaphragm  
9725 Replacement of other vaginal pessary  
9726 Replacement of vaginal or vulvar packing or drain  
9729 Other nonoperative replacements

9731 Removal of eye prosthesis  
9732 Removal of nasal packing  
9733 Removal of dental wiring  
9734 Removal of dental packing  
9735 Removal of dental prosthesis  
9736 Removal of other external mandibular fixation device  
9737 Removal of tracheostomy tube  
9738 Removal of sutures from head and neck  
9739 Removal of other therapeutic device from head and neck  
9741 Removal of thoracotomy tube or pleural cavity drain  
9742 Removal of mediastinal drain  
9743 Removal of sutures from thorax  
9744 Nonoperative removal of heart assist system  
9749 Removal of other device from thorax  
9751 Removal of gastrostomy tube  
9752 Removal of tube from small intestine  
9753 Removal of tube from large intestine or appendix  
9754 Removal of cholecystostomy tube  
9755 Removal of T-tube, other bile duct tube, or liver tube  
9756 Removal of pancreatic tube or drain  
9759 Removal of other device from digestive system  
9761 Removal of pyelostomy and nephrostomy tube  
9762 Removal of ureterostomy tube and ureteral catheter  
9763 Removal of cystostomy tube  
9764 Removal of other urinary drainage device  
9765 Removal of urethral stent  
9769 Removal of other device from urinary system  
9771 Removal of intrauterine contraceptive device  
9772 Removal of intrauterine pack  
9773 Removal of vaginal diaphragm  
9774 Removal of other vaginal pessary  
9775 Removal of vaginal or vulvar packing  
9779 Removal of other device from genital tract  
9781 Removal of retroperitoneal drainage device  
9782 Removal of peritoneal drainage device  
9783 Removal of abdominal wall sutures



9784 Removal of sutures from trunk, not elsewhere classified  
9785 Removal of packing from trunk, not elsewhere classified  
9786 Removal of other device from abdomen  
9787 Removal of other device from trunk  
9788 Removal of external immobilization device  
9789 Removal of other therapeutic device  
9801 Removal of intraluminal foreign body from mouth without incision  
9802 Removal of intraluminal foreign body from esophagus without incision  
9803 Removal of intraluminal foreign body from stomach and small intestine without incision  
9804 Removal of intraluminal foreign body from large intestine without incision  
9805 Removal of intraluminal foreign body from rectum and anus without incision  
9811 Removal of intraluminal foreign body from ear without incision  
9812 Removal of intraluminal foreign body from nose without incision  
9813 Removal of intraluminal foreign body from pharynx without incision  
9814 Removal of intraluminal foreign body from larynx without incision  
9815 Removal of intraluminal foreign body from trachea and bronchus without incision  
9816 Removal of intraluminal foreign body from uterus without incision  
9817 Removal of intraluminal foreign body from vagina without incision  
9818 Removal of intraluminal foreign body from artificial stoma without incision  
9819 Removal of intraluminal foreign body from urethra without incision  
9820 Removal of foreign body, not otherwise specified  
9821 Removal of superficial foreign body from eye without incision  
9822 Removal of other foreign body without incision from head and neck  
9823 Removal of foreign body from vulva without incision  
9824 Removal of foreign body from scrotum or penis without incision  
9825 Removal of other foreign body without incision from trunk except scrotum, penis, or vulva  
9826 Removal of foreign body from hand without incision  
9827 Removal of foreign body without incision from upper limb, except hand  
9828 Removal of foreign body from foot without incision  
9829 Removal of foreign body without incision from lower limb, except foot  
9851 Extracorporeal shockwave lithotripsy [ESWL] of the kidney, ureter and/or bladder  
9852 Extracorporeal shockwave lithotripsy [ESWL] of the gallbladder and/or bile duct  
9859 Extracorporeal shockwave lithotripsy of other sites  
9900 Perioperative autologous transfusion of whole blood or blood components  
9901 Exchange transfusion  
9902 Transfusion of previously collected autologous blood

9903 Other transfusion of whole blood  
9904 Transfusion of packed cells  
9905 Transfusion of platelets  
9906 Transfusion of coagulation factors  
9907 Transfusion of other serum  
9908 Transfusion of blood expander  
9909 Transfusion of other substance  
9910 Injection or infusion of thrombolytic agent  
9911 Injection of Rh immune globulin  
9912 Immunization for allergy  
9913 Immunization for autoimmune disease  
9914 Injection or infusion of immunoglobulin  
9915 Parenteral infusion of concentrated nutritional substances  
9916 Injection of antidote  
9917 Injection of insulin  
9918 Injection or infusion of electrolytes  
9919 Injection of anticoagulant  
9920 Injection or infusion of platelet inhibitor  
9921 Injection of antibiotic  
9922 Injection of other anti-infective  
9923 Injection of steroid  
9924 Injection of other hormone  
9925 Injection or infusion of cancer chemotherapeutic substance  
9926 Injection of tranquilizer  
9927 Iontophoresis  
9928 Injection or infusion of biological response modifier [BRM] as an antineoplastic agent  
9929 Injection or infusion of other therapeutic or prophylactic substance  
9931 Vaccination against cholera  
9932 Vaccination against typhoid and paratyphoid fever  
9933 Vaccination against tuberculosis  
9934 Vaccination against plague  
9935 Vaccination against tularemia  
9936 Administration of diphtheria toxoid  
9937 Vaccination against pertussis  
9938 Administration of tetanus toxoid  
9939 Administration of diphtheria-tetanus-pertussis, combined

9941 Administration of poliomyelitis vaccine  
9942 Vaccination against smallpox  
9943 Vaccination against yellow fever  
9944 Vaccination against rabies  
9945 Vaccination against measles  
9946 Vaccination against mumps  
9947 Vaccination against rubella  
9948 Administration of measles-mumps-rubella vaccine  
9951 Prophylactic vaccination against the common cold  
9952 Prophylactic vaccination against influenza  
9953 Prophylactic vaccination against arthropod-borne viral encephalitis  
9954 Prophylactic vaccination against other arthropod-borne viral diseases  
9955 Prophylactic administration of vaccine against other diseases  
9956 Administration of tetanus antitoxin  
9957 Administration of botulism antitoxin  
9958 Administration of other antitoxins  
9959 Other vaccination and inoculation  
9960 Cardiopulmonary resuscitation, not otherwise specified  
9961 Atrial cardioversion  
9962 Other electric countershock of heart  
9963 Closed chest cardiac massage  
9964 Carotid sinus stimulation  
9969 Other conversion of cardiac rhythm  
9971 Therapeutic plasmapheresis  
9972 Therapeutic leukopheresis  
9973 Therapeutic erythrocytapheresis  
9974 Therapeutic plateletpheresis  
9975 Administration of neuroprotective agent  
9976 Extracorporeal immunoadsorption  
9977 Application or administration of an adhesion barrier substance  
9978 Aquapheresis  
9979 Other therapeutic apheresis  
9981 Hypothermia (central) (local)  
9982 Ultraviolet light therapy  
9983 Other phototherapy  
9984 Isolation

9985 Hyperthermia for treatment of cancer  
9986 Non-invasive placement of bone growth stimulator  
9988 Therapeutic photopheresis  
9991 Acupuncture for anesthesia  
9992 Other acupuncture  
9993 Rectal massage (for levator spasm)  
9994 Prostatic massage  
9995 Stretching of foreskin  
9996 Collection of sperm for artificial insemination  
9997 Fitting of denture  
9998 Extraction of milk from lactating breast  
9999 Other miscellaneous procedures