

5. Bile duct, liver or pancreatic surgery

Excision of bile ducts or operative procedures on the biliary tract, liver or pancreas (does not include operations only on gallbladder)

50.0	Hepatotomy <ul style="list-style-type: none"> • Incision of abscess of liver • Removal of gallstones from liver • Stromeyer-Little operation
50.12	Open biopsy of liver <ul style="list-style-type: none"> • Wedge biopsy
50.14	Laparoscopic liver biopsy <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Closed (percutaneous)[needle] biopsy of liver (50.11)</i> • <i>Transjugular liver biopsy (50.13)</i> </div>
50.21	Marsupialization of lesion of liver
50.22	Partial hepatectomy <ul style="list-style-type: none"> • Wedge resection of liver <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Closed (percutaneous)[needle] biopsy of liver (50.11)</i> </div>
50.23	Open ablation of liver lesion or tissue
50.25	Laparoscopic ablation of liver lesion or tissue
50.26	Other and unspecified ablation of liver lesion or tissue
50.29	Other destruction of lesion of liver <ul style="list-style-type: none"> • Cauterization of hepatic lesion • Enucleation of hepatic lesion • Evacuation of hepatic lesion <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Percutaneous ablation of liver lesion or tissue (50.24)</i> • <i>Percutaneous aspiration of lesion (50.91)</i> • <i>Laser interstitial thermal therapy [LITT] of lesion or tissue of liver under guidance(17.63)</i> </div>

50.3	Lobectomy of liver
50.4	Total hepatectomy
50.61	Closure of laceration of liver
50.69	Other repair of liver <ul style="list-style-type: none"> • Hepatopexy
51.31	Anastomosis of gallbladder to hepatic ducts
51.32	Anastomosis of gallbladder to intestine
51.33	Anastomosis of gallbladder to pancreas
51.34	Anastomosis of gallbladder to stomach
51.35	Other gallbladder anastomosis <ul style="list-style-type: none"> • Gallbladder anastomosis NOS
51.36	Choledochoenterostomy
51.37	Anastomosis of hepatic duct to gastrointestinal tract <ul style="list-style-type: none"> • Kasai portoenterostomy
51.39	Other bile duct anastomosis <ul style="list-style-type: none"> • Anastomosis of bile duct NOS • Anastomosis of unspecified bile duct to: <ul style="list-style-type: none"> ○ intestine ○ liver ○ pancreas ○ stomach
51.41	Common duct exploration for removal of calculus <div style="border: 1px solid black; background-color: #e0e0e0; padding: 5px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • Percutaneous extraction of common duct stones (51.96) </div>
51.42	Common duct exploration for relief of other obstruction
51.43	Insertion of choledochohepatic tube for decompression <ul style="list-style-type: none"> • Hepatocholedochostomy
51.49	Incision of other bile ducts for relief of obstruction
51.51	Exploration of common duct <ul style="list-style-type: none"> • Incision of common bile duct

51.59	Other incision of other bile duct
51.61	Excision of cystic duct remnant
51.62	Excision of ampulla of Vater (with reimplantation of common duct)
51.63	Other excision of common duct <ul style="list-style-type: none"> • Choledochoectomy
51.69	Excision of other bile duct <ul style="list-style-type: none"> • Excision of lesion of bile duct NOS
51.71	Simple suture of common bile duct
51.72	Choledochoplasty <ul style="list-style-type: none"> • Repair of fistula of common bile duct
51.79	Repair of other bile ducts <ul style="list-style-type: none"> • Closure of artificial opening of bile duct NOS • Suture of bile duct NOS
51.81	Dilation of sphincter of Oddi <ul style="list-style-type: none"> • Dilation of ampulla of Vater <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Endoscopic dilation of ampulla and biliary duct (51.84)</i>
51.82	Pancreatic sphincterotomy <ul style="list-style-type: none"> • Incision of pancreatic sphincter • Transduodenal ampullary sphincterotomy <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Endoscopic sphincterotomy and papillotomy (51.85)</i>
51.83	Pancreatic sphincteroplasty
51.89	Other operations on sphincter of Oddi
51.91	Repair of laceration of gallbladder
51.92	Closure of cholecystostomy
51.93	Closure of other biliary fistula <ul style="list-style-type: none"> • Cholecystogastroenteric fistulectomy

51.94	Revision of anastomosis of biliary tract
51.95	Removal of prosthetic device from bile duct Excludes: <ul style="list-style-type: none"> • <i>Non operative removal of T-tube, other bile duct tube or liver tube (97.55)</i>
51.99	Other operations on biliary tract <ul style="list-style-type: none"> • Insertion or replacement of biliary tract prosthesis Excludes: <ul style="list-style-type: none"> • <i>biopsy of gallbladder (51.12-51.13)</i> • <i>Irrigation of cholecystectomy and other biliary tube (96.41)</i> • <i>Lysis of peritoneal adhesions (54.5)</i> • <i>Non-operative removal of:</i> <ul style="list-style-type: none"> ○ <i>Cholecystostomy tube (97.54)</i> ○ <i>T-tube, other bile duct tube or liver tube (97.55)</i>
52.09	Other pancreatotomy <ul style="list-style-type: none"> • Pancreatolithotomy
52.12	Open biopsy of pancreas
52.22	Other excision or destruction of lesion or tissue of pancreas or pancreatic duct
52.3	Marsupialization of pancreatic cyst Excludes: <ul style="list-style-type: none"> • <i>Drainage of pancreatic cyst by catheter (52.01)</i>
52.4	Internal drainage of pancreatic cyst <ul style="list-style-type: none"> • Pancreaticocystoduodenostomy • Pancreaticocystogastrostomy • Pancreaticocystojejunostomy
52.51	Proximal pancreatectomy <ul style="list-style-type: none"> • Excision of head of pancreas (with part of body) • Proximal pancreatectomy with synchronous duodenectomy
52.52	Distal pancreatectomy <ul style="list-style-type: none"> • Excision of tail of pancreas (with part of body)
52.53	Radical subtotal pancreatectomy
52.59	Other partial pancreatectomy

52.6	<p>Total pancreatectomy</p> <ul style="list-style-type: none"> • Pancreatectomy with synchronous duodenectomy
52.7	<p>Radical pancreaticoduodenectomy</p> <ul style="list-style-type: none"> • One-stage pancreaticoduodenal resection with choledochojejunal anastomosis, pancreaticojejunal anastomosis, and gastrojejunostomy • Two-stage pancreaticoduodenal resection (first stage) (second stage) • Radical resection of the pancreas • Whipple procedure
52.92	<p>Cannulation of pancreatic duct</p> <div data-bbox="334 653 1377 783" style="border: 1px solid black; background-color: #f0f0f0; padding: 5px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • Endoscopic insertion of stent (tube) into pancreatic duct (52.93) </div>
52.95	<p>Other repair of pancreas</p> <ul style="list-style-type: none"> • Fistulectomy of pancreas • Simple suture of pancreas
52.96	<p>Anastomosis of pancreas</p> <p>Anastomosis of pancreas (duct) to:</p> <ul style="list-style-type: none"> • intestine • jejunum • stomach
52.99	<p>Other operations on pancreas</p> <ul style="list-style-type: none"> • Dilation of pancreatic [Wirsung's] duct by open approach • Repair of pancreatic [Wirsung's] duct by open approach <div data-bbox="334 1329 1365 1507" style="border: 1px solid black; background-color: #f0f0f0; padding: 5px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • Irrigation of pancreatic tube (96.42) • Removal of pancreatic tube or drain (97.56) </div>

7. Cardiac surgery

Procedures on the heart; includes valves or septum; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation

35.00	Closed heart valvotomy, unspecified valve
35.01	Closed heart valvotomy, aortic valve
35.02	Closed heart valvotomy, mitral valve
35.03	Closed heart valvotomy, pulmonary valve
35.04	Closed heart valvotomy, tricuspid valve
35.06	<p>Transapical replacement of aortic valve</p> <ul style="list-style-type: none"> • Implantation of transcatheter aortic valve • Replacement of aortic valve with tissue graft (autograft) (bioprosthetic) (heterograft) (homograft): <ul style="list-style-type: none"> intercostal approach transventricular approach • That via transthoracic exposure, i.e. thoracotomy, sternotomy, or subxiphoid approach
35.08	<p>Transapical replacement of pulmonary valve</p> <ul style="list-style-type: none"> • Implantation of transcatheter pulmonary valve • Replacement of pulmonary valve: <ul style="list-style-type: none"> intercostal approach transventricular approach • That via transthoracic exposure, i.e. thoracotomy, sternotomy, or subxiphoid approach
35.10	Open heart valvuloplasty without replacement, unspecified valve
35.11	Open heart valvuloplasty of aortic valve without replacement
35.12	Open heart valvuloplasty of mitral valve without replacement
35.13	Open heart valvuloplasty of pulmonary valve without replacement
35.14	Open heart valvuloplasty of tricuspid valve without replacement

35.20	<p>Open and other replacement of unspecified heart valve</p> <ul style="list-style-type: none"> • That with tissue graft or prosthetic implant <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Endovascular replacement of unspecified heart valve (35.09)</i>
35.21	<p>Open and other replacement of aortic valve with tissue graft</p> <ul style="list-style-type: none"> • that by: <ul style="list-style-type: none"> autograft heterograft homograft <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Endovascular replacement of aortic valve (35.05)</i>
35.22	<p>Open and other replacement of aortic valve</p> <ul style="list-style-type: none"> • Replacement of aortic valve, NOS. • That with prosthetic (partial) (synthetic) (total) <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Endovascular replacement of aortic valve (35.05)</i>
35.23	<p>Open and other replacement of mitral valve with tissue graft</p> <ul style="list-style-type: none"> • that by: <ul style="list-style-type: none"> autograft heterograft homograft
35.24	<p>Open and other replacement of mitral valve</p> <ul style="list-style-type: none"> • Replacement of mitral valve, NOS • That with prosthetic (partial) (synthetic) (total) <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Percutaneous repair with implant (35.97)</i>
35.25	<p>Open and other replacement of pulmonary valve with tissue graft</p> <ul style="list-style-type: none"> • that by: <ul style="list-style-type: none"> autograft heterograft homograft <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Endovascular replacement of pulmonary valve (35.07)</i>

35.26	<p>Open and other replacement of pulmonary valve</p> <ul style="list-style-type: none"> • Replacement of pulmonary valve, NOS • That with prosthetic (partial) (synthetic) (total) <div style="border: 1px solid black; background-color: #f0f0f0; padding: 5px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Endovascular replacement of pulmonary valve (35.07)</i> </div>
35.27	<p>Open and other replacement of tricuspid valve with tissue graft</p> <ul style="list-style-type: none"> • that by: <ul style="list-style-type: none"> autograft heterograft homograft
35.28	<p>Open and other replacement of tricuspid valve</p> <ul style="list-style-type: none"> • Replacement of tricuspid valve, NOS • That with prosthetic (partial) (synthetic) (total)
35.31	<p>Operations on papillary muscle</p> <ul style="list-style-type: none"> • Division of papillary muscle • Reattachment of papillary muscle • Repair of papillary muscle
35.32	<p>Operations on chordae tendineae</p> <ul style="list-style-type: none"> • Division of chordae tendineae • Repair of chordae tendineae
35.33	<p>Annuloplasty</p> <ul style="list-style-type: none"> • Plication of annulus
35.34	<p>Infundibulectomy</p> <ul style="list-style-type: none"> • Right ventricular infundibulectomy
35.35	<p>Operations on trabeculae carneae cordis</p> <ul style="list-style-type: none"> • Division of trabeculae carneae cordis • Excision of trabeculae carneae cordis • Excision of aortic subvalvular ring
35.39	<p>Operations on other structures adjacent to valves of heart</p> <ul style="list-style-type: none"> • Repair of sinus of Valsalva (aneurysm)
35.42	<p>Creation of septal defect in heart</p> <ul style="list-style-type: none"> • Blalock-Hanlon operation

35.50	Repair of unspecified septal defect of heart with prosthesis
35.51	<p>Repair of atrial septal defect with prosthesis, open technique</p> <ul style="list-style-type: none"> • Atrioseptoplasty with prosthesis • Correction of atrial septal defect with prosthesis • Repair: <ul style="list-style-type: none"> ○ foramen ovale (patent) ○ with prosthesis ostium secundum defect with prosthesis
35.53	<p>Repair of ventricular septal defect with prosthesis, open technique</p> <ul style="list-style-type: none"> • Correction of ventricular septal defect with prosthesis • Repair of supracristal defect with prosthesis
35.54	<p>Repair of endocardial cushion defect with prosthesis</p> <p>Repair:</p> <ul style="list-style-type: none"> • atrioventricular canal with prosthesis (grafted to septa) • ostium primum defect with prosthesis (grafted to septa) • valvular defect associated with atrial and ventricular septal defects with prosthesis (grafted to septa) <div style="border: 1px solid black; background-color: #f0f0f0; padding: 5px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Repair of atrial septal defect with prosthesis, closed technique(35.52)</i> </div>
35.60	Repair of unspecified septal defect of heart with tissue graft
35.61	<p>Repair of atrial septal defect with tissue graft</p> <ul style="list-style-type: none"> • Atrioseptoplasty with tissue graft • Correction of atrial septal defect with tissue graft • Repair: <ul style="list-style-type: none"> ○ foramen ovale (patent) with tissue graft ○ ostium secundum defect with tissue graft
35.62	<p>Repair of ventricular septal defect with tissue graft</p> <ul style="list-style-type: none"> • Correction of ventricular septal defect with tissue graft • Repair of supracristal defect with tissue graft
35.63	<p>Repair of endocardial cushion defect with tissue graft</p> <p>Repair of:</p> <ul style="list-style-type: none"> • atrioventricular canal with tissue graft • ostium primum defect with tissue graft • valvular defect associated with atrial and ventricular septal defects with tissue graft

35.70	Other and unspecified repair of unspecified septal defect of heart <ul style="list-style-type: none"> • Repair of septal defect NOS
35.71	Other and unspecified repair of atrial septal defect <ul style="list-style-type: none"> • Repair NOS: <ul style="list-style-type: none"> ○ atrial septum ○ foramen ovale (patent) ○ ostium secundum defect
35.72	Other and unspecified repair of ventricular septal defect <ul style="list-style-type: none"> • Repair NOS: <ul style="list-style-type: none"> ○ supracristal defect ○ ventricular septum
35.73	Other and unspecified repair of endocardial cushion defect <ul style="list-style-type: none"> • Repair NOS: <ul style="list-style-type: none"> ○ atrioventricular canal ○ ostium primum defect ○ valvular defect associated with atrial and ventricular septal defects
35.81	Total repair of tetralogy of Fallot <ul style="list-style-type: none"> • One-stage total correction of tetralogy of Fallot with or without: <ul style="list-style-type: none"> ○ commissurotomy of pulmonary valve ○ infundibulectomy ○ outflow tract prosthesis ○ patch graft of outflow tract ○ prosthetic tube for pulmonary artery ○ repair of ventricular septal defect (with prosthesis) ○ take-down of previous systemic-pulmonary artery anastomosis
35.82	Total repair of total anomalous pulmonary venous connection <ul style="list-style-type: none"> • One-stage total correction of total anomalous pulmonary venous connection with or without: <ul style="list-style-type: none"> ○ anastomosis between (horizontal) common pulmonary trunk and posterior wall of left atrium (side-to-side) ○ enlargement of foramen ovale ○ incision [excision] of common wall between posterior left atrium and coronary sinus and roofing of resultant defect with patch graft (synthetic) ○ ligation of venous connection (descending anomalous vein) (to left innominate vein) (to superior vena cava) ○ repair of atrial septal defect (with prosthesis)
35.83	Total repair of truncus arteriosus <ul style="list-style-type: none"> • One-stage total correction of truncus arteriosus with or without:

	<ul style="list-style-type: none"> ○ construction (with aortic homograft) (with prosthesis) of a pulmonary artery placed from right ventricle to arteries supplying the lung ○ ligation of connections between aorta and pulmonary artery ○ repair of ventricular septal defect (with prosthesis)
35.84	<p>Total correction of transposition of great vessels, not elsewhere classified</p> <ul style="list-style-type: none"> ● Arterial switch operation [Jatene] ● Total correction of transposition of great arteries at the arterial level by switching the great arteries, including the left or both coronary arteries, implanted in the wall of the pulmonary artery
35.91	<p>Interatrial transposition of venous return</p> <ul style="list-style-type: none"> ● Baffle: <ul style="list-style-type: none"> ○ atrial ○ interatrial ● Mustard's operation ● Resection of atrial septum and insertion of patch to direct systemic venous return to tricuspid valve and pulmonary venous return to mitral valve
35.92	<p>Creation of conduit between right ventricle and pulmonary artery</p> <ul style="list-style-type: none"> ● Creation of shunt between right ventricle and (distal) pulmonary artery
35.93	<p>Creation of conduit between left ventricle and aorta</p> <ul style="list-style-type: none"> ● Creation of apicoaortic shunt ● Shunt between apex of left ventricle and aorta
35.94	<p>Creation of conduit between atrium and pulmonary artery</p> <ul style="list-style-type: none"> ● Fontan procedure
35.95	<p>Revision of corrective procedure on heart</p> <ul style="list-style-type: none"> ● Replacement of prosthetic heart valve poppet ● Resuture of prosthesis of: <ul style="list-style-type: none"> septum valve <div style="border: 1px solid black; background-color: #f0f0f0; padding: 5px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> ● <i>Repair of atrial septal defect with prosthesis, closed technique(35.52)</i> ● <i>Repair of ventricular septal defect with prosthesis, closed technique (35.55)</i> </div>
35.98	Other operations on septa of heart
35.99	Other operations on valves of heart

37.10	Incision of heart, not otherwise specified <ul style="list-style-type: none"> • Cardiolysis NOS
37.11	Cardiotomy Incision of: <ul style="list-style-type: none"> • atrium • endocardium • myocardium • ventricle
37.12	Pericardiotomy <ul style="list-style-type: none"> • Pericardial window operation • Pericardiolysis • Pericardiotomy
37.31	Pericardiectomy <ul style="list-style-type: none"> • Excision of: <ul style="list-style-type: none"> • adhesions of pericardium constricting scar of: <ul style="list-style-type: none"> ○ epicardium ○ pericardium
37.32	Excision of aneurysm of heart <ul style="list-style-type: none"> • Repair of aneurysm of heart
37.33	Excision or destruction of other lesion or tissue of heart, open approach <ul style="list-style-type: none"> • Ablation or incision of heart tissue (cryoablation) (electrocurrent) (laser) (microwave) (radiofrequency) (resection) (ultrasound), open chest approach • Cox-maze procedure • Maze procedure • That by median sternotomy • That by thoracotomy without use of thoracoscope <div data-bbox="331 1409 1365 1583" style="border: 1px solid black; background-color: #f0f0f0; padding: 5px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Excision or destruction of lesion or tissue of heart via endovascular approach (37.34)</i> </div>
37.35	Partial ventriculectomy <ul style="list-style-type: none"> • Ventricular reduction surgery • Ventricular remodeling
37.36	Excision, destruction, or exclusion of left atrial appendage (LAA) <ul style="list-style-type: none"> • Clipping of left atrial appendage • Oversewing of left atrial appendage • Stapling of left atrial appendage • That by fastener or suture

	<p>Excludes:</p> <ul style="list-style-type: none"> • <i>Excision or destruction of lesion or tissue of heart via endovascular approach (37.34)</i> • <i>Insertion of left atrial appendage device (37.90)</i>
<p>37.37</p>	<p>Excision or destruction of other lesion or tissue of heart, thoracoscopic approach</p> <ul style="list-style-type: none"> • Ablation or incision of heart tissue (cryoablation) (electrocautery) (laser) (microwave) (radiofrequency) (resection) (ultrasound), via thoracoscope • Modified maze procedure, thoracoscopic approach • That via thoracoscopically-assisted approach (without thoracotomy) (with port access) (with sub-xiphoid incision) <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Excision or destruction of lesion or tissue of heart via endovascular approach (37.34)</i>
<p>37.41</p>	<p>Implantation of prosthetic cardiac support device around the heart</p> <ul style="list-style-type: none"> • Cardiac support device (CSD) • Epicardial support device • Fabric (textile) (mesh) device • Ventricular support device on surface of heart <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Implant of pulsation balloon (37.61)</i> • <i>Insertion of temporary non-implantable extracorporeal circulatory assist device (37.62)</i> • <i>Repair of heart assist system (37.63)</i> • <i>Removal of external heart assist system(s) or devices(s)(37.64)</i> • <i>Implant of single ventricular (extracorporeal) external heart assist system (37.65)</i> • <i>Insertion of implantable heart assist system (37.66)</i> • <i>Implantation of cardiomyostimulation system (37.67)</i> • <i>Insertion of percutaneous external heart assist device (37.68)</i>
<p>37.49</p>	<p>Other repair of heart and pericardium</p>
<p>37.60</p>	<p>Implantation or insertion of biventricular external heart assist system</p> <ul style="list-style-type: none"> • Temporary cardiac support for both left and right ventricles, inserted in the same operative episode <p>Includes: open chest (sternotomy) procedure for cannulae attachments Note: Device (outside the body but connected to heart) with external circulation</p>

	<p>pump. Ventriculotomy is included.</p> <div data-bbox="329 264 1354 615" style="border: 1px solid black; background-color: #e0e0e0; padding: 10px;"><p>Excludes:</p><ul style="list-style-type: none">• <i>Implantation of internal biventricular heart replacement system (artificial heart) (37.52)</i>• <i>Implant of pulsation balloon (37.61)</i>• <i>Insertion of temporary non-implantable extracorporeal circulatory assist device (37.62)</i>• <i>Insertion of percutaneous external heart assist device (37.68)</i></div>
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12.Colon Surgery

Incision, resection, or anastomosis of the large intestine; includes large-to-small and small-to-large bowel anastomosis; does not include rectal operations

17.31	Laparoscopic Multiple Segmental Resection Of Large Intestine
17.32	Laparoscopic Cecectomy
17.33	Laparoscopic Right Hemicolectomy
17.34	Laparoscopic Resection Of Transverse Colon
17.35	Laparoscopic Left Hemicolectomy
17.36	Laparoscopic sigmoidectomy
17.39	Other Laparoscopic Partial Excision Of Large Intestine
45.03	<p>Incision Of Large Intestine</p> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Proctotomy (48.0)</i>
45.26	Open Biopsy Of Large Intestine
45.41	<p>Excision Of Lesion Or Tissue Of Large Intestine</p> <ul style="list-style-type: none"> • Excision of redundant mucosa of colostomy <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Closed (endoscopic) biopsy of large intestine (45.25)</i> • <i>Intestinal biopsy, site unspecified (45.27)</i> • <i>Endoscopic polypectomy of large intestine (45.42)</i> • <i>Endoscopic destruction of other lesion or tissue of large intestine (45.43)</i>
45.49	<p>Other Destruction Of Lesion Of Large Intestine</p> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Endoscopic destruction of other lesion or tissue of large intestine (45.43)</i>

45.52	Isolation Of Segment Of Large Intestine <ul style="list-style-type: none"> Resection of colon for interposition
45.71	Open And Other Multiple Segmental Resection Of Large Intestine <ul style="list-style-type: none"> Segmental resection for multiple traumatic lesions of large intestine
45.72	Open And Other Cecectomy <ul style="list-style-type: none"> Resection of cecum and terminal ileum
45.73	Open And Other Right Hemicolectomy <ul style="list-style-type: none"> Ileocollectomy Right radical colectomy
45.74	Open And Other Resection Of Transverse Colon
45.75	Open And Other Left Hemicolectomy <div style="border: 1px solid black; background-color: #f0f0f0; padding: 10px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> <i>Soave submucosal resection of rectum (48.41)</i> <i>Laparoscopic pull-through resection of rectum (48.42)</i> <i>Open pull-through resection of rectum (48.43)</i> <i>Other pull-through resection of rectum (48.49)</i> <i>Abdominoperineal resection of the rectum, NOS (48.50)</i> <i>Laparoscopic abdominoperineal resection of rectum (48.51)</i> <i>Open abdominoperineal resection of the rectum (48.52)</i> <i>Other abdominoperineal resection of rectum (48.59)</i> <i>Transsacral rectosigmoidectomy (48.61)</i> <i>Anterior resection of rectum with synchronous colostomy (48.62)</i> <i>Other anterior resection of rectum (48.63)</i> <i>Posterior resection of rectum (48.64)</i> <i>Duhamel resection of rectum (48.65)</i> <i>Other resection of rectum (48.69)</i> </div>
45.76	Open And Other Sigmoidectomy
45.79	Other And Unspecified Partial Excision Of Large Intestine <ul style="list-style-type: none"> Enterocolectomy NEC
45.81	Laparoscopic Total Intra-Abdominal Colectomy
45.82	Open Total Intra-Abdominal Colectomy

45.83	Other And Unspecified Total Intra-Abdominal Colectomy
45.92	Anastomosis Of Small Intestine To Rectal Stump (Hampton procedure)
45.93	Other Small-To-Large Intestinal Anastomosis
45.94	Large-To-Large Intestinal Anastomosis <i>Excludes:</i> <ul style="list-style-type: none"> • <i>Rectorectostomy (48.74)</i>
45.95	Anastomosis To Anus <ul style="list-style-type: none"> • Formation of endorectal ileal pouch (H- pouch) (J-pouch) (S-pouch) with anastomosis of small intestine to anus
46.03	Exteriorization Of Large Intestine <ul style="list-style-type: none"> • Exteriorization of intestine NOS • First stage Mikulicz exteriorization of intestine • Loop colostomy
46.04	Resection Of Exteriorized Segment Of Large Intestine <ul style="list-style-type: none"> • Resection of exteriorized segment of intestine NOS • Second stage Mikulicz operation
46.10	Colostomy, Not Otherwise Specified
46.11	Temporary Colostomy
46.13	Permanent Colostomy
46.14	Delayed Opening Of Colostomy
46.43	Other Revision Of Stoma Of Large Intestine
46.52	Closure Of Stoma Of Large Intestine <ul style="list-style-type: none"> • Closure or take-down of: <ul style="list-style-type: none"> ○ cecostomy ○ colostomy ○ sigmoidostomy
46.75	Suture Of Laceration Of Large Intestine

46.76	Closure Of Fistula Of Large Intestine <i>Excludes:</i> <ul style="list-style-type: none">• <i>Closure of other gastric fistula (44.63)</i>• <i>Closure of rectal fistula (48.73)</i>• <i>Sigmoidovesical fistula (57.83)</i>• <i>Repair of colovaginal fistula (70.72)</i>• <i>Repair of rectovaginal fistula(70.73)</i>• <i>Vesicocolic fistula (57.83)</i>• <i>Vesicosigmoidovaginal fistula (57.83)</i>
46.94	Revision Of Anastomosis Of Large Intestine

14. Cesarean section

Obstetrical delivery by Cesarean section

74.0	Classical Cesarean Section <ul style="list-style-type: none"> • Transperitoneal classical cesarean section
74.1	Low Cervical Cesarean Section <ul style="list-style-type: none"> • Lower uterine segment cesarean section
74.2	Extra peritoneal Cesarean Section <ul style="list-style-type: none"> • Supravesical cesarean section
74.4	Cesarean Section Of Other Specified Type <ul style="list-style-type: none"> • Peritoneal exclusion cesarean section • Transperitoneal cesarean section NOS • Vaginal cesarean section
74.91	Hysterotomy To Terminate Pregnancy <ul style="list-style-type: none"> • Therapeutic abortion by hysterotomy
74.99	Other Cesarean Section Of Unspecified Type <ul style="list-style-type: none"> • Cesarean section NOS • Obstetrical abdominouterotomy • Obstetrical hysterotomy

15.Spinal fusion

Immobilization of spinal column

81.00	Spinal Fusion, Not Otherwise Specified
81.01	Atlas-Axis Spinal Fusion <ul style="list-style-type: none"> • Craniocervical fusion by anterior, transoral, or posterior technique • C1-C2 fusion by anterior, transoral, or posterior technique • Occiput C2 fusion by anterior, transoral, or posterior technique
81.02	Other Cervical Fusion Of The Anterior Column, Anterior Technique <ul style="list-style-type: none"> • Arthrodesis of C2 level or below: <ul style="list-style-type: none"> ○ anterior (interbody) fusion ○ anterolateral technique
81.03	Other Cervical Fusion Of The Posterior Column, Posterior Technique <ul style="list-style-type: none"> • Arthrodesis of C2 level or below, posterolateral technique
81.04	Dorsal And Dorsolumbar Fusion Of The Anterior Column, Anterior Technique <ul style="list-style-type: none"> • Arthrodesis of thoracic or thoracolumbar region: <ul style="list-style-type: none"> ○ anterior interbody technique ○ anterolateral technique • Extracavitary technique
81.05	Dorsal And Dorsolumbar Fusion Of The Posterior Column, Posterior Technique <ul style="list-style-type: none"> • Arthrodesis of thoracic or thoracolumbar region, posterolateral technique
81.06	Lumbar And Lumbosacral Fusion Of The Anterior Column, Anterior Technique <ul style="list-style-type: none"> • Anterior lumbar interbody fusion (ALIF) • Arthrodesis of lumbar or lumbosacral region: <ul style="list-style-type: none"> ○ anterior interbody fusion ○ anterolateral technique ○ retroperitoneal ○ transperitoneal • Direct lateral interbody fusion [DLIF] • Extreme lateral interbody fusion [XLIF]
81.07	Lumbar and lumbosacral fusion of the posterior column, posterior technique <ul style="list-style-type: none"> • Facet fusion • Posterolateral technique • Transverse process technique
81.08	Lumbar And Lumbosacral Fusion Of The Anterior Column, Posterior Technique <ul style="list-style-type: none"> • Arthrodesis of lumbar or lumbosacral region, posterior interbody fusion • Axial lumbar interbody fusion [AxialIF] • Posterior lumbar interbody fusion (PLIF) • Transforaminal lumbar interbody fusion (TLIF)

16. Open Reduction of Fracture

Open reduction of fracture or dislocation of long bones with or without internal or external fixation; does not include placement of joint prosthesis

79.21	Open Reduction Of Fracture Without Internal Fixation, Humerus
79.22	Open Reduction Of Fracture Without Internal Fixation, Radius And Ulna
79.25	Open Reduction Of Fracture Without Internal Fixation, Femur
79.26	Open Reduction Of Fracture Without Internal Fixation, Tibia And Fibula
79.31	Open Reduction Of Fracture With Internal Fixation, Humerus
79.32	Open Reduction Of Fracture With Internal Fixation, Radius And Ulna
79.35	Open Reduction Of Fracture With Internal Fixation, Femur
79.36	Open Reduction Of Fracture With Internal Fixation, Tibia And Fibula
79.51	Open Reduction Of Separated Epiphysis, Humerus
79.52	Open Reduction Of Separated Epiphysis, Radius And Ulna
79.55	Open Reduction Of Separated Epiphysis, Femur
79.56	Open Reduction Of Separated Epiphysis, Tibia And Fibula

17. Gastric surgery

Incision or excision of stomach; includes subtotal or total gastrectomy; does not include vagotomy and fundoplication

43.00	Gastrotomy Excludes: <ul style="list-style-type: none"> • <i>Percutaneous (endoscopic) gastrostomy (PEG) (43.11)</i> • <i>Other gastrostomy (43.19)</i>
43.42	Local excision of other lesion or tissue of stomach Excludes: <ul style="list-style-type: none"> • <i>Closed (endoscopic) biopsy of stomach (44.14)</i>
43.49	Other destruction of lesion or tissue of stomach Excludes: <ul style="list-style-type: none"> • <i>Endoscopic excision or destruction of lesion of stomach (43.41)</i>
43.5	Partial gastrectomy with anastomosis to esophagus <ul style="list-style-type: none"> • Proximal gastrectomy
43.6	Partial gastrectomy with anastomosis to duodenum <ul style="list-style-type: none"> • Billroth I operation • Distal gastrectomy • Gastropylorctomy
43.7	Partial gastrectomy with anastomosis to jejunum <ul style="list-style-type: none"> • Billroth II operation
43.81	Partial gastrectomy with jejunal transposition <ul style="list-style-type: none"> • Henley jejunal transposition operation
43.82	Laparoscopic vertical (sleeve) gastrectomy
43.89	Open and other partial gastrectomy <ul style="list-style-type: none"> • Partial gastrectomy with bypass gastrogastrostomy

	<ul style="list-style-type: none"> • Sleeve resection of stomach
43.91	Total gastrectomy with intestinal interposition
43.99	Other total gastrectomy <ul style="list-style-type: none"> • Complete gastroduodenectomy • Esophagoduodenostomy with complete gastrectomy • Esophagogastrectomy NOS • Esophagojejunostomy with complete gastrectomy • Radical gastrectomy
44.15	Open biopsy of stomach
44.21	Dilation of pylorus by incision
44.29	Other pyloroplasty <ul style="list-style-type: none"> • Pyloroplasty NOS • Revision of pylorus
44.31	High gastric bypass <ul style="list-style-type: none"> • Printen and Mason gastric bypass
44.38	Laparoscopic gastroenterostomy <ul style="list-style-type: none"> • Bypass: gastroduodenostomy • Gastroenterostomy • Gastrogastrostomy • Laparoscopic gastrojejunostomy without gastrectomy NEC
44.39	Other gastroenterostomy without gastrectomy <ul style="list-style-type: none"> • Bypass: <ul style="list-style-type: none"> ○ gastroduodenostomy ○ Gastroenterostomy ○ Gastrogastrostomy • Gastrojejunostomy without gastrectomy NOS
44.40	Suture of peptic ulcer, not otherwise specified
44.41	Suture of gastric ulcer site <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • ligation of gastric varices (44.91) </div>
44.42	Suture of duodenal ulcer site
44.49	Other control of hemorrhage of stomach or duodenum

	<ul style="list-style-type: none"> • That with gastrotomy
44.5	Revision of gastric anastomosis <ul style="list-style-type: none"> • Closure of <ul style="list-style-type: none"> ○ Gastric anastomosis ○ Gastroduodenostomy ○ Gastrojejunostomy • Pantaloon operation
44.61	Suture of laceration of stomach
44.62	Closure of gastrostomy
44.63	Closure of other gastric fistula <ul style="list-style-type: none"> • Closure of <ul style="list-style-type: none"> ○ Gastrocolic fistula ○ Gastrojejunocolic fistula
44.64	Gastropexy
44.65	Esophagogastroplasty <ul style="list-style-type: none"> • Belsey operation • Esophagus and stomach cardioplasty
44.68	Laparoscopic gastroplasty <ul style="list-style-type: none"> • Banding • Silastic vertical banding • Vertical banded gastroplasty (VBG)
44.69	Other repair of stomach <ul style="list-style-type: none"> • Inversion of gastric diverticulum • Repair of stomach NOS
44.95	Laparoscopic gastric restrictive procedure <ul style="list-style-type: none"> • Adjustable gastric band and port insertion
44.96	Laparoscopic revision of gastric restrictive procedure <ul style="list-style-type: none"> • Revision or replacement of: <ul style="list-style-type: none"> ○ Adjustable gastric band ○ Subcutaneous gastric port device
44.97	Laparoscopic removal of gastric restrictive device (s) <ul style="list-style-type: none"> • Removal of either or both:

	<ul style="list-style-type: none"> ○ Adjustable gastric band ○ Subcutaneous port device <div style="border: 1px solid black; background-color: #e0e0e0; padding: 5px; margin-top: 10px;"> <p>Exlcudes:</p> <ul style="list-style-type: none"> ● Removal of other device from abdomen (non operative) (97.86) ● open removal of gastric restrictive device(s) (44.99) </div>
<p>44.98</p>	<p>Laparoscopic adjustment of size of adjustable gastric restrictive device</p> <ul style="list-style-type: none"> ● Infusion of saline for device tightening ● Withdrwal of saline for device loosening

18.Herniorrhaphy

Repair of inguinal, femoral, umbilical, or anterior abdominal wall hernia; does not include repair of diaphragmatic or hiatal hernia or hernias at other body sites .

17.11	Laparoscopic repair of direct inguinal hernia with graft or prosthesis
17.12	Laparoscopic repair of indirect inguinal hernia with graft or prosthesis
17.13	Laparoscopic repair of inguinal hernia with graft or prosthesis, not otherwise specified
17.21	Laparoscopic bilateral repair of direct inguinal hernia with graft or prosthesis
17.22	Laparoscopic bilateral repair of indirect inguinal hernia with graft or prosthesis
17.23	Laparoscopic bilateral repair of inguinal hernia, one direct and one indirect, with graft or prosthesis
17.24	Laparoscopic bilateral repair of inguinal hernia with graft or prosthesis, not otherwise specified
53.00	Unilateral repair of inguinal hernia, not otherwise specified
53.01	Other and open repair of direct inguinal hernia
53.02	Other and open repair of indirect inguinal hernia
53.03	Other and open repair of direct inguinal hernia with graft or prosthesis
53.04	Other and open repair of indirect inguinal hernia with graft or prosthesis
53.05	Repair of inguinal hernia with graft or prosthesis, not otherwise specified
53.10	Bilateral repair of inguinal hernia, not otherwise specified
53.11	Other and open bilateral repair of direct inguinal hernia
53.12	Other and open bilateral repair of indirect inguinal hernia
53.13	Other and open bilateral repair of inguinal hernia, one direct and one indirect
53.14	Other and open bilateral repair of direct inguinal hernia with graft or prosthesis

53.15	Other and open bilateral repair of indirect inguinal hernia with graft or prosthesis
53.16	Other and open bilateral repair of inguinal hernia, one direct and one indirect, with graft or prosthesis
53.17	Bilateral inguinal hernia repair with graft or prosthesis, not otherwise specified
53.21	Unilateral repair of femoral hernia with graft or prosthesis
53.29	Other unilateral femoral herniorrhaphy
53.31	Bilateral repair of femoral hernia with graft or prosthesis
53.39	Other bilateral femoral herniorrhaphy
53.41	Other and open repair of umbilical hernia with graft or prosthesis
53.42	Laparoscopic repair of umbilical hernia with graft or prosthesis
53.43	Other laparoscopic umbilical herniorrhaphy
53.49	Other open umbilical herniorrhaphy
53.51	Incisional hernia repair
53.59	Repair of other hernia of anterior abdominal wall <ul style="list-style-type: none"> • Repair of hernia: <ul style="list-style-type: none"> ○ epigastric ○ hypogastric ○ spigelian ○ ventral • That by laparoscopic approach
53.61	Other open incisional hernia repair with graft or prosthesis
53.62	Laparoscopic incisional hernia repair with graft or prosthesis
53.63	Other laparoscopic repair of other hernia of anterior abdominal wall with graft or prosthesis
53.69	Other and open repair of other hernia of anterior abdominal wall with graft or prosthesis

23.Kidney transplant

Transplantation of the Kidney

55.61	Renal autotransplantation
55.69	Other kidney transplantation

26.Neck surgery

Major excision or incision of the larynx and radical neck dissection; does not include thyroid and parathyroid operations

30.1	Hemilaryngectomy
30.21	Epiglottidectomy
30.22	Vocal cordectomy <ul style="list-style-type: none"> Excision of vocal cords
30.29	Other partial laryngectomy <ul style="list-style-type: none"> Excision of laryngeal cartilage
30.3	Complete laryngectomy <ul style="list-style-type: none"> Block dissection of larynx (with thyroidectomy) (with synchronous tracheostomy) Laryngopharyngectomy
30.4	Radical laryngectomy <ul style="list-style-type: none"> Complete (total) laryngectomy with radical neck dissection (with thyroidectomy with synchronous tracheostomy)
31.45	Open biopsy of larynx or trachea
40.40	Radical neck dissection, not otherwise specified
40.41	Radical neck dissection, unilateral
40.42	Radical neck dissection, bilateral

27.Kidney surgery

Resection or manipulation of the kidney with or without removal of related structures

55.01	Nephrotomy <ul style="list-style-type: none"> • Evacuation of renal cyst • Exploration of kidney • Nephrolithotomy
55.02	Nephrostomy
55.11	Pyelotomy <ul style="list-style-type: none"> • Exploration of renal pelvis • Pyelolithotomy
55.12	Pyelostomy <ul style="list-style-type: none"> • Insertion of drainage tube into renal pelvis
55.24	Open biopsy of kidney
55.31	Marsupialization of kidney lesion
55.32	Open ablation of renal lesion or tissue
55.34	Laparoscopic ablation of renal lesion or tissue
55.35	Other and unspecified ablation of renal lesion or tissue
55.39	Other local destruction or excision of renal lesion or tissue <ul style="list-style-type: none"> • Obliteration of calyceal diverticulum <div style="border: 1px solid black; background-color: #f0f0f0; padding: 5px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Percutaneous ablation of renal lesion or tissue (55.33)</i> • <i>Closed (percutaneous) (needle) biopsy of kidney (55.23)</i> • <i>Percutaneous aspiration of kidney (pelvis) (55.92)</i> </div>
55.4	Partial nephrectomy <ul style="list-style-type: none"> • Calycectomy • Wedge resection of kidney
55.51	Nephroureterectomy <ul style="list-style-type: none"> • Nephroureterectomy with bladder cuff • Total nephrectomy (unilateral) <div style="border: 1px solid black; background-color: #f0f0f0; padding: 5px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Removal of transplanted or rejected kidney (55.53)</i> </div>

55.52	Nephrectomy of remaining kidney <ul style="list-style-type: none">• Removal of solitary kidney. <div data-bbox="332 300 1339 447">Excludes:<ul style="list-style-type: none">• <i>Removal of transplanted or rejected kidney (55.53)</i></div>
55.54	Bilateral nephrectomy
55.91	Decapsulation of kidney <ul style="list-style-type: none">• Capsulectomy of kidney• Decortication of kidney

30.Prostate surgery

Suprapubic, retropubic, radical, or perineal excision of the prostate; **does not** include transurethral resection of the prostate

60.12	Open biopsy of prostate
60.3	Suprapubic prostatectomy <ul style="list-style-type: none"> • Transvesical prostatectomy
60.4	Retropubic prostatectomy
60.5	Radical prostatectomy <ul style="list-style-type: none"> • Prostatovesiculectomy • Radical prostatectomy by any approach <div style="border: 1px solid black; background-color: #e0e0e0; padding: 5px; margin-top: 5px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Radical cystectomy (57.71)</i> </div>
60.61	Local excision of lesion of prostate <div style="border: 1px solid black; background-color: #e0e0e0; padding: 5px; margin-top: 5px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Closed (percutaneous) (needle) biopsy of prostate (60.11)</i> • <i>Laser interstitial thermal therapy [LITT] of lesion or tissue of prostate under guidance(17.69)</i> </div>
60.69	Other prostatectomy

33.Refusion of spine

Refusion of spine

81.30	Refusion of spine, not otherwise specified
81.31	<p>Refusion of atlas-axis spine</p> <ul style="list-style-type: none"> • Craniocervical fusion by anterior, transoral or posterior technique • C1-C2 fusion by anterior, transoral or posterior technique • Occiput C2 fusion by transoral or posterior technique
81.32	<p>Refusion of other cervical spine, anterior column, anterior technique</p> <ul style="list-style-type: none"> • Arthrodesis of C2 level or below: <ul style="list-style-type: none"> ○ Anterior interbody fusion ○ Anterolateral technique
81.33	<p>Refusion of other cervical spine, posterior column, posterior technique</p> <ul style="list-style-type: none"> • Arthrodesis of C2 level or below, posterolateral technique
81.34	<p>Refusion of dorsal and dorsolumbar spine, anterior column, anterior technique</p> <ul style="list-style-type: none"> • Arthrodesis of thoracic or thoracolumbar region: <ul style="list-style-type: none"> ○ Anterior interbody fusion ○ Anterolateral technique • Extracavitary technique
81.35	<p>Refusion of dorsal and dorsolumbar spine, posterior column, posterior technique</p> <ul style="list-style-type: none"> • Arthrodesis of thoracic or thoracolumbar region, posterolateral technique
81.36	<p>Refusion of lumbar and lumbosacral spine, anterior column, anterior technique</p> <ul style="list-style-type: none"> • Anterior lumbar interbody fusion (ALIF) • Arthrodesis of lumbar or lumbosacral region: <ul style="list-style-type: none"> anterior interbody fusion anterolateral technique retroperitoneal transperitoneal • Direct lateral interbody fusion [DLIF] • Extreme lateral interbody fusion [XLIF]
81.37	<p>Refusion of lumbar and lumbosacral spine, posterior column, posterior technique</p> <ul style="list-style-type: none"> • Facet fusion • Posterolateral technique • Transverse process technique

81.38	Refusion of lumbar and lumbosacral spine, anterior column, posterior technique <ul style="list-style-type: none">• Arthrodesis of lumbar or lumbosacral region, posterior interbody fusion• Axial lumbar interbody fusion [AxiaLIF]• Posterior lumbar interbody fusion (PLIF)• Transforaminal lumbar interbody fusion (TLIF)
81.39	Refusion of spine, not elsewhere classified

34. Small bowel surgery

Incision or resection of the small intestine; does not include small-to-large bowel anastomosis

45.01	Incision of duodenum
45.02	Other incision of small intestine
45.15	Open biopsy of small intestine
45.31	Other local excision of lesion of duodenum <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • Closed (endoscopic) biopsy of small intestine (45.14) • Endoscopic excision or destruction of lesion of duodenum (45.30) </div>
45.32	Other destruction of lesion of duodenum <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • Endoscopic excision or destruction of lesion of duodenum (45.30) </div>
45.33	Local excision of lesion or tissue of small intestine, except duodenum <ul style="list-style-type: none"> • Excision of redundant mucosa of ileostomy <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • Closed (endoscopic) biopsy of small intestine (45.14) </div>
45.34	Other destruction of lesion of small intestine, except duodenum
45.51	Isolation of segment of small intestine <ul style="list-style-type: none"> • Isolation of ileal loop • Resection of small intestine for interposition
45.61	Multiple segmental resection of small intestine <ul style="list-style-type: none"> • Segmental resection for multiple traumatic lesions of small intestine
45.62	Other partial resection of small intestine <ul style="list-style-type: none"> • Duodenectomy • Ileectomy • Jejunectomy
45.63	Total removal of small intestine
45.91	Small-to-small intestinal anastomosis
46.01	Exteriorization of small intestine

	<ul style="list-style-type: none"> • Loop ileostomy
46.02	Resection of exteriorized segment of small intestine
46.20	Ileostomy, not otherwise specified
46.21	Temporary ileostomy
46.22	Continent ileostomy
46.23	Other permanent ileostomy
46.24	Delayed opening of ileostomy
46.31	Delayed opening of other enterostomy
46.39	Other enterostomy <ul style="list-style-type: none"> • Duodenostomy • Feeding enterostomy
46.41	Revision of stoma of small intestine
46.51	Closure of stoma of small intestine
46.71	Suture of laceration of duodenum
46.72	Closure of fistula of duodenum
46.73	Suture of laceration of small intestine, except duodenum
46.74	<p>Closure of fistula of small intestine, except duodenum</p> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Repair of other vaginoenteric fistula (70.74)</i> • <i>Repair of gastrojejunal colic fistula (44.63)</i>
46.93	Revision of anastomosis of small intestine

37.Thyroid and/or parathyroid surgery

Resection or manipulation of thyroid and/or parathyroid

06.02	<p>Reopening of wound of thyroid field</p> <ul style="list-style-type: none"> • Reopening of wound of thyroid field for: <ul style="list-style-type: none"> ○ Control of (postoperative) hemorrhage ○ Examination ○ Exploration ○ Removal of hematoma
06.09	<p>Other incision of thyroid field</p> <ul style="list-style-type: none"> • Drainage of hematoma by incision • Drainage of thyroglossal tract by incision • Exploration: <ul style="list-style-type: none"> ○ Neck by incision ○ Thyroid (field) by incision • Removal of foreign body by incision • Thyroidotomy NOS by incision <div style="border: 1px solid black; background-color: #f0f0f0; padding: 5px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Removal of hematoma by aspiration (06.01)</i> </div>
06.12	<p>Open biopsy of thyroid gland</p>
06.2	<p>Unilateral thyroid lobectomy</p> <ul style="list-style-type: none"> • Complete removal of one lobe of thyroid (with removal of isthmus or portion of other lobe) • Hemithyroidectomy
06.31	<p>Excision of lesion of thyroid</p> <div style="border: 1px solid black; background-color: #f0f0f0; padding: 5px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Closed (percutaneous) (needle) biopsy of thyroid gland (06.11)</i> • <i>Laser interstitial thermal therapy (LITT) of lesion or tissue of neck under guidance (17.62)</i> </div>
06.39	<p>Other partial thyroidectomy</p> <ul style="list-style-type: none"> • Isthmectomy • Partial thyroidectomy NOS

06.4	Complete thyroidectomy <div style="border: 1px solid black; background-color: #f0f0f0; padding: 5px;"> <p>Excludes: <i>that with laryngectomy (30.3-30.4)</i></p> </div>
06.50	Substernal thyroidectomy, not otherwise specified
06.51	Partial substernal thyroidectomy
06.52	Complete substernal thyroidectomy
06.6	Excision of lingual thyroid <ul style="list-style-type: none"> • Submental route • Transoral route
06.7	Excision of thyroglossal duct or tract
06.81	Complete parathyroidectomy
06.89	Other parathyroidectomy <ul style="list-style-type: none"> • Parathyroidectomy NOS • Partial parathyroidectomy <div style="border: 1px solid black; background-color: #f0f0f0; padding: 5px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Biopsy of parathyroid gland (06.13)</i> </div>
06.91	Division of thyroid isthmus <ul style="list-style-type: none"> • Transection of thyroid isthmus
06.92	Ligation of thyroid vessels
06.93	Suture of thyroid gland
06.94	Thyroid tissue reimplantation <ul style="list-style-type: none"> • Autotransplantation of thyroid tissue
06.95	Parathyroid tissue reimplantation <ul style="list-style-type: none"> • Autotransplantation of parathyroid tissue
06.98	Other operations on thyroid gland
06.99	Other operations on parathyroid gland

39.Ventricular shunt

Ventricular shunt operations, including revision and removal of shunt

02.21	<p>Insertion or replacement of external ventricular drain [EVD]</p> <ul style="list-style-type: none"> • External ventricular drainage [EVD] setup • Replacement of external ventricular drain • Ventricular catheter placement for: <ul style="list-style-type: none"> ○ drainage of cerebrospinal fluid [CSF] ○ injection of medication or other substance ○ sampling of cerebrospinal fluid [CSF] <div style="border: 1px solid black; background-color: #f0f0f0; padding: 5px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>Other cranial puncture (01.09)</i> • <i>Irrigation and exploration of ventricular shunt (02.41)</i> </div>
02.22	<p>Intracranial ventricular shunt or anastomosis</p> <ul style="list-style-type: none"> • Anastomosis of ventricle to: <ul style="list-style-type: none"> ○ cervical subarachnoid space ○ cisterna magna • Insertion of Holter valve into intracranial system • Shunt between two intracranial ventricles • That by endoscopy • Third ventriculostomy • Ventriculocisternostomy
02.31	<p>Ventricular shunt to structure in head and neck</p> <ul style="list-style-type: none"> • Ventricle to nasopharynx shunt • Ventriculomastoid anastomosis
02.32	<p>Ventricular shunt to circulatory system</p> <ul style="list-style-type: none"> • Ventriculoatrial anastomosis • Ventriculocaval shunt
02.33	<p>Ventricular shunt to thoracic cavity</p> <ul style="list-style-type: none"> • Ventriculopleural anastomosis
02.34	<p>Ventricular shunt to abdominal cavity and organs</p> <ul style="list-style-type: none"> • Ventriculocholecystostomy • Ventriculoperitoneostomy

02.35	Ventricular shunt to urinary system <ul style="list-style-type: none"> • Ventricle to ureter shunt
02.39	Ventricular shunt to extracranial site NEC <ul style="list-style-type: none"> • Ventricle to bone marrow shunt
02.42	Replacement of ventricular shunt <ul style="list-style-type: none"> • Reinsertion of Holter valve • Revision of ventriculoperitoneal shunt at ventricular site
02.43	Removal of ventricular shunt
54.95	Incision of peritoneum <ul style="list-style-type: none"> • Exploration of ventriculoperitoneal shunt at peritoneal site • Ladd operation† • Revision of distal catheter of ventricular shunt • Revision of ventriculoperitoneal shunt at peritoneal site <p>† Include only if this procedure involves ventricular shunt (i.e., is not a Ladd procedure to repair malrotation of intestines).</p> <div style="border: 1px solid black; background-color: #f0f0f0; padding: 5px; margin-top: 10px;"> <p>Excludes:</p> <ul style="list-style-type: none"> • <i>That incidental to laparotomy</i> <ul style="list-style-type: none"> ○ <i>Exploratory laparotomy (54.11)</i> ○ <i>Reopening of recent laparotomy site (54.12)</i> ○ <i>Other laparotomy (54.19)</i> </div>