Surgical Site Infection Surveillance Service (SSISS)

Protocol for surveillance of surgical site infection

Supplement

OPCS
Operating Procedure Codes

List of surgical procedures in each category with corresponding OPCS codes and minimum wound class

## Abbreviations

<table>
<thead>
<tr>
<th>NEC</th>
<th>Not elsewhere specified</th>
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<tbody>
<tr>
<td>NOC</td>
<td>Not otherwise classified</td>
</tr>
<tr>
<td>HFQ</td>
<td>However further qualified</td>
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</table>
Procedures included in SSISS Surveillance
The SSI surveillance is targeted on selected groups of clinically similar procedures (table 1):

Table 1. Categories of surgical procedures included in the surveillance

<table>
<thead>
<tr>
<th>Category</th>
<th>Summary of surgical procedures</th>
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</thead>
<tbody>
<tr>
<td>Abdominal hysterectomy</td>
<td>Excision of uterus through an abdominal incision with or without concurrent excision of ovary and/or fallopian tube.</td>
</tr>
<tr>
<td>Bile duct, liver, or pancreatic surgery</td>
<td>Operative procedures on the bile duct, gall bladder, liver or pancreas, excluding cholecystectomy without exploration of the bile duct and biopsy of lesions.</td>
</tr>
<tr>
<td>Breast surgery</td>
<td>Breast reconstruction, mammoplasty, excision of lesion, tissue or breast including radical, modified, or quadrant resection, lumpectomy, incisional biopsy.</td>
</tr>
<tr>
<td>Cardiac surgery (non-CABG)</td>
<td>Open chest procedures on valves or septum of heart; excludes coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation.</td>
</tr>
<tr>
<td>Cranial surgery</td>
<td>Incision through the skull to excise, repair, or explore the brain, excludes taps or punctures.</td>
</tr>
<tr>
<td>Cholecystectomy (non-laparoscopic)</td>
<td>Partial or total excision of the gall bladder, excluding laparoscopic approach and procedures involving exploration of the bile duct.</td>
</tr>
<tr>
<td>Coronary artery bypass graft</td>
<td>Open chest procedure to perform direct revascularization of heart, for example, using a vein graft.</td>
</tr>
<tr>
<td>Gastric surgery</td>
<td>Incision, excision or anastomosis of stomach, including partial or total gastrectomy, vagotomy, pyloromyotomy, pyloroplasty and gastroenterostomy.</td>
</tr>
<tr>
<td>Hip replacement</td>
<td>Replacement of the hip joint including resurfacing of the joint, acetabulum replacement and revision of a previous replacement and conversion from a previous hemiarthroplasty or bone fixation.</td>
</tr>
<tr>
<td>Knee replacement</td>
<td>Replacement of all or part of knee joint (with or without patella resurfacing), including revision of a previous replacement. Excludes patella replacement.</td>
</tr>
<tr>
<td>Large bowel surgery</td>
<td>Incision, excision or anastomosis of the large bowel, including procedures which involve anastomosis of small to large bowel.</td>
</tr>
<tr>
<td>Limb amputation</td>
<td>Total or partial amputation or disarticulation of the upper or lower limbs, including digits</td>
</tr>
<tr>
<td>Reduction of long bone fracture</td>
<td>Open or closed reduction of fracture of long bones requiring surgical incision to apply internal or external fixation. Excludes replacement or open fixation of hip fracture, of small bones or intraarticular fracture.</td>
</tr>
<tr>
<td>Repair of neck of femur</td>
<td>Replacement of the head of femur, including revision of a previous hemiarthroplasty (but excluding conversion to total joint replacement) and reduction of a fractured neck of femur using open fixation e.g. dynamic hip screw.</td>
</tr>
<tr>
<td>Small bowel surgery</td>
<td>Incision, excision or anastomosis of small intestine, excluding procedures which involve anastomosis of small to large bowel.</td>
</tr>
<tr>
<td>Spinal surgery</td>
<td>Surgical procedures on the vertebral structures of the spine including the exploration or decompression of the spinal cord, the removal or resection of intervertebral discs, spinal fusion; and repair of fractures or deformities.</td>
</tr>
<tr>
<td>Vascular surgery</td>
<td>Operative procedure involving arteries or veins includes aortic aneurysm repair, vascular grafts, and carotid, iliac, femoral or popliteal artery operations. Excludes varicose vein repair, creation of arterial shunts, coronary artery bypass graft, or procedures involving the pulmonary artery.</td>
</tr>
</tbody>
</table>
Categories of procedure
Each category contains a specific set of surgical procedures. Procedures eligible for inclusion in the surveillance are defined by OPCS surgical procedure codes. A particular category does not necessarily include all operations in the relevant section of the OPCS codes.

Minimally invasive procedures
Endoscopic procedures are not included in the surveillance. However, eligible procedures that are performed using minimally invasive techniques such as laparoscopic assisted bowel resections and where a surgical incision is made can be included.

Coding procedures included in the surveillance
Only codes for procedures within the chosen category of surgical procedure should be recorded. Where available the more precise four-digit code (e.g. Q07.4) should be used in preference to the three-digit code (e.g. Q07).

If OPCS codes are not routinely recorded in the patients records select from the following lists the code that most closely matches the procedure carried out. If in doubt seek the advice of surgeon, theatre staff or the clinical coding department.

Always check that the corresponding procedure appears in this list before including the patient in the surveillance.

Wound classification
The minimum wound class is shown in brackets after each main code group. However this is only indicative and may be increased as a result of events that occur pre-operatively (e.g. emergency operations, trauma) or intra-operatively (e.g. major break in aseptic technique, gross spillage from the gastrointestinal tract, presence of acute inflammation, pus or perforated viscera). Thus, the classification of wound contamination must be confirmed by the surgeon, or by checking the operation record against the definition of wound class given in the surveillance protocol.
Abdominal Hysterectomy

Excision of uterus through an abdominal incision with or without concurrent excision of ovary and/or fallopian tube

Laparoscopic ‘assisted' procedures

These can be included in the surveillance using the following Y75 codes as a secondary code to indicate the laparoscopic approach. For example, a laparoscopic assisted wedge excision of liver would be given a primary procedure code of J02.4 and a secondary code of Y75.1.

Y75.1 Laparoscopically assisted approach to the abdominal cavity
Y75.2 Laparoscopic approach to the abdominal cavity not elsewhere classified.

The minimum wound class is shown in brackets by group name

Q07 Abdominal excision of uterus (Clean-contaminated)
Q07.1 Abdominal hysterocolpectomy and excision of periuterine tissue
Q07.2 Abdominal hysterectomy and excision of periuterine tissue not elsewhere classified
Q07.3 Abdominal hysterocolpectomy not elsewhere classified
Q07.4 Total abdominal hysterectomy not elsewhere classified
  Includes: Hysterectomy not elsewhere classified
Q07.5 Subtotal abdominal hysterectomy
Q07.6 Excision of accessory uterus
Q07.8 Other specified abdominal excision of uterus
Q07.9 Unspecified abdominal excision of uterus

Note: If concurrent excision of ovary and/or fallopian tube is performed during the same operation, record as a multiple procedure but do not code.
Bile duct, liver or pancreatic surgery

Operative procedures on the bile duct, gall bladder, liver or pancreas, excluding cholecystectomy without exploration of the bile duct and biopsy of lesions.

Laparoscopic ‘assisted’ procedures

These can be included in the surveillance using the following Y75 codes as a secondary code to indicate the laparoscopic approach. For example, a laparoscopic assisted wedge excision of liver would be given a primary procedure code of J02.4 and a secondary code of Y75.1.

- Y75.1 Laparoscopically assisted approach to the abdominal cavity
- Y75.2 Laparoscopic approach to the abdominal cavity not elsewhere classified.

Please see minimum wound class against each procedure

<table>
<thead>
<tr>
<th>J02</th>
<th>Partial excision of liver (Clean)</th>
</tr>
</thead>
<tbody>
<tr>
<td>J02.1</td>
<td>Right hemihepatectomy</td>
</tr>
<tr>
<td>J02.2</td>
<td>Left hemihepatectomy</td>
</tr>
<tr>
<td>J02.3</td>
<td>Resection of segment of liver</td>
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<tr>
<td>J02.4</td>
<td>Wedge excision of liver</td>
</tr>
<tr>
<td>J02.5</td>
<td>Marsupialisation of lesion of liver</td>
</tr>
<tr>
<td>J02.6</td>
<td>Extended right hemihepatectomy</td>
</tr>
<tr>
<td>J02.7</td>
<td>Extended left hemihepatectomy</td>
</tr>
<tr>
<td>J02.8</td>
<td>Other specified partial excision of liver</td>
</tr>
<tr>
<td>J02.9</td>
<td>Unspecified partial excision of liver</td>
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<table>
<thead>
<tr>
<th>J03</th>
<th>Extirpation of lesion of liver (Clean)</th>
</tr>
</thead>
<tbody>
<tr>
<td>J03.1</td>
<td>Excision of lesion of liver NEC</td>
</tr>
<tr>
<td>J03.2</td>
<td>Destruction of lesion of liver NEC</td>
</tr>
<tr>
<td>J03.3</td>
<td>Thermal ablation of single lesion of liver</td>
</tr>
<tr>
<td>J03.4</td>
<td>Thermal ablation of multiple lesions of liver</td>
</tr>
<tr>
<td>J03.5</td>
<td>Excision of multiple lesions of liver</td>
</tr>
<tr>
<td>J03.8</td>
<td>Other specified extirpation of lesion of liver</td>
</tr>
<tr>
<td>J03.9</td>
<td>Unspecified extirpation of lesion of liver</td>
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</tbody>
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<thead>
<tr>
<th>J04</th>
<th>Repair of liver (Clean)</th>
</tr>
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<tbody>
<tr>
<td>J04.1</td>
<td>Removal of lacerated fragment of liver</td>
</tr>
<tr>
<td>J04.2</td>
<td>Repair of laceration of liver</td>
</tr>
<tr>
<td>J04.3</td>
<td>Packing of laceration of liver</td>
</tr>
<tr>
<td>J04.8</td>
<td>Other specified repair of liver</td>
</tr>
<tr>
<td>J04.9</td>
<td>Unspecified repair of liver</td>
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</tbody>
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<table>
<thead>
<tr>
<th>J05</th>
<th>Incision of liver (Clean)</th>
</tr>
</thead>
<tbody>
<tr>
<td>J05.1</td>
<td>Open drainage of liver</td>
</tr>
<tr>
<td>J05.2</td>
<td>Open removal of calculus from liver</td>
</tr>
<tr>
<td>J05.8</td>
<td>Other specified incision of liver</td>
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</tbody>
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<table>
<thead>
<tr>
<th>J18</th>
<th>Excision of gall bladder and exploration of common bile duct (Clean-contaminated)</th>
</tr>
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<tbody>
<tr>
<td>J18.2</td>
<td>Total cholecystectomy and exploration of common bile duct</td>
</tr>
<tr>
<td>J18.4</td>
<td>Partial cholecystectomy and exploration of common bile duct</td>
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</tbody>
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<table>
<thead>
<tr>
<th>J19</th>
<th>Connection of gall bladder (Clean-contaminated)</th>
</tr>
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<tbody>
<tr>
<td>J19.1</td>
<td>Anastomosis of gall bladder to stomach</td>
</tr>
<tr>
<td>J19.2</td>
<td>Anastomosis of gall bladder to duodenum</td>
</tr>
<tr>
<td>J19.3</td>
<td>Anastomosis of gall bladder to jejunum</td>
</tr>
<tr>
<td>J19.4</td>
<td>Anastomosis of gall bladder to intestine not elsewhere classified</td>
</tr>
<tr>
<td>J19.5</td>
<td>Revision of anastomosis of gall bladder</td>
</tr>
<tr>
<td>J19.6</td>
<td>Closure of anastomosis of gall bladder</td>
</tr>
</tbody>
</table>
Please see minimum wound class against each procedure

J19.8 Other specified connection of gall bladder
J19.9 Unspecified connection of gall bladder

J20 **Repair of gall bladder (Clean-contaminated)**
J20.1 Closure of fistula of gall bladder
J20.2 Closure of cholecystotomy
J20.3 Repair of perforation of gall bladder
J20.8 Other specified repair of gall bladder
J20.9 Unspecified repair of gall bladder

J21 **Incision of gall bladder (Clean-contaminated)**
J21.1 Open removal of calculus from gall bladder
J21.2 Drainage of gall bladder
*Includes: Cholecystostomy not elsewhere classified*
J21.3 Drainage of tissue surrounding gall bladder
J21.8 Other specified incision of gall bladder
J21.9 Unspecified incision of gall bladder

J23.1 **Excision of lesion of gall bladder (Clean-contaminated)**
J23.8 Other specified other open operations on gall bladder
J23.9 Unspecified other open operations on gall bladder
*Does not include biopsy or exploration*

J27 **Excision of bile duct (Clean-contaminated)**
J27.1 Excision of ampulla of Vater and replantation of common bile duct into duodenum
J27.2 Partial excision of bile duct and anastomosis of bile duct to duodenum
J27.3 Partial excision of bile duct and anastomosis of bile duct to jejunum
J27.4 Partial excision of bile duct and end to end anastomosis of bile duct
J27.5 Excision of extrahepatic bile ducts HFQ
J27.8 Other specified excision of bile duct
J27.9 Unspecified excision of bile duct

J28.1 **Excision of lesion of bile duct (Clean-contaminated)**
J28.2 Destruction of lesion of bile duct
J28.8 Other specified extirpation of lesion of bile duct
J28.9 Unspecified extirpation of lesion of bile duct

J29 **Connection of hepatic duct (Clean-contaminated)**
J29.1 Anastomosis of hepatic duct to transposed jejunum and insertion of tubal prosthesis HFQ
J29.2 Anastomosis of hepatic duct to jejunum NEC
J29.3 Revision of anastomosis of hepatic duct
J29.4 Open dilation of anastomosis of hepatic duct
J29.8 Other specified connection of hepatic duct
J29.9 Unspecified connection of hepatic duct

J30 **Connection of common bile duct (Clean-contaminated)**
J30.1 Anastomosis of common bile duct to duodenum
J30.2 Anastomosis of common bile duct to transposed jejunum
J30.3 Anastomosis of common bile duct to jejunum not elsewhere classified
J30.4 Revision of anastomosis of common bile duct
J30.5 Open dilation of anastomosis of common bile duct
J30.8 Other specified connection of common bile duct
J30.9 Unspecified connection of common bile duct

J31 **Open introduction of prosthesis into bile duct (Clean-contaminated)**
J31.1 Open insertion of tubal prosthesis into both hepatic ducts and common bile duct
J31.2 Open insertion of tubal prosthesis into one hepatic duct and common bile duct
J31.3 Open renewal of tubal prosthesis in bile duct
J31.4 Open removal of tubal prosthesis in bile duct
J31.8 Other specified open introduction of prosthesis into bile duct
J31.9 Unspecified open introduction of prosthesis into bile duct
Please see minimum wound class against each procedure

**J32**  Repair of bile duct *(Clean-contaminated)*
- J32.1  Reconstruction of bile duct
- J32.2  Reanastomosis of bile duct
  - Includes: End to end anastomosis of divided bile duct
- J32.8  Other specified repair of bile duct
- J32.9  Unspecified repair of bile duct

**J33**  Incision of bile duct *(Clean-contaminated)*
- J33.1  Open removal of calculus from bile duct and drainage of bile duct
- J33.2  Open removal of calculus from bile duct not elsewhere classified
- J33.3  Drainage of bile duct not elsewhere classified
- J33.8  Other specified incision of bile duct
- J33.9  Unspecified incision of bile duct
  - *Excludes: Exploration of bile duct when associated with excision of gall bladder (J18.2, J18.4)*

**J34**  Plastic repair of sphincter of Oddi using duodenal approach *(Clean-contaminated)*
- J34.1  Sphincteroplasty of bile duct and pancreatic duct using duodenal approach
- J34.2  Sphincteroplasty of bile duct using duodenal approach not elsewhere classified
- J34.3  Sphincteroplasty of pancreatic duct using duodenal approach not elsewhere classified
- J34.8  Other specified plastic repair of sphincter of oddi using duodenal approach
- J34.9  Unspecified plastic repair of sphincter of oddi using duodenal approach
  - Includes: Sphincteroplasty of papilla of Vater using duodenal approach and sphincteroplasty of papilla of Vater not elsewhere classified

**J35**  Incision of sphincter of Oddi using duodenal approach *(Clean-contaminated)*
- J35.1  Sphincterotomy of bile duct and pancreatic duct using duodenal approach
- J35.2  Sphincterotomy of bile duct using duodenal approach not elsewhere classified
- J35.3  Sphincterotomy of pancreatic duct using duodenal approach not elsewhere classified
- J35.8  Other specified incision of sphincter of oddi using duodenal approach
- J35.9  Unspecified incision of sphincter of oddi using duodenal approach
  - Includes: Sphincterotomy of papilla of Vater using duodenal approach

**J36**  Other operations on ampulla of Vater using duodenal approach *(Clean-contaminated)*
- J36.8  Other specified other operations on ampulla of vater using duodenal approach
- J36.9  Unspecified operations on ampulla of vater using duodenal approach

**J55**  Total excision of pancreas *(Clean-contaminated)*
- J55.1  Total pancreatectomy and excision of surrounding tissue
- J55.2  Total pancreatectomy not elsewhere classified
- J55.3  Excision of transplanted pancreas
- J55.8  Other specified total excision of pancreas
- J55.9  Unspecified specified total excision of pancreas

**J56**  Excision of head of pancreas *(Clean-contaminated)*
- J56.1  Pancreaticoduodenectomy and excision of surrounding tissue
- J56.2  Pancreaticoduodenectomy and resection of antrum of stomach
- J56.3  Pancreaticoduodenectomy not elsewhere classified
- J56.4  Subtotal excision of head of pancreas with preservation of duodenum and drainage HFQ
- J56.8  Other specified excision of head of pancreas
- J56.9  Unspecified excision of head of pancreas

**J57**  Other partial excision of pancreas *(Clean-contaminated)*
- J57.1  Subtotal pancreatectomy
- J57.2  Left pancreatectomy and drainage of pancreatic duct
- J57.3  Left pancreatectomy not elsewhere classified
Please see minimum wound class against each procedure

J57.4 Excision of tail of pancreas and drainage of pancreatic duct
J57.5 Excision of tail of pancreas not elsewhere classified
J57.6 Pancreatic necrosectomy
J57.8 Other specified other partial excision of pancreas
J57.9 Unspecified other partial excision of pancreas
   *Includes: Pancreatectomy not elsewhere classified*

**J58** Extirpation of lesion of pancreas (Clean)

J58.1 Excision of lesion of islet of langerhans
J58.2 Excision of lesion of pancreas not elsewhere classified
J58.3 Destruction of lesion of pancreas
J58.8 Other specified other extirpation of pancreas
J58.9 Unspecified other extirpation of pancreas

**J59** Connection of pancreatic duct (Clean-contaminated)

J59.1 Anastomosis of pancreatic duct to stomach
J59.2 Anastomosis of pancreatic duct to duodenum
J59.3 Anastomosis of pancreatic duct to transposed jejunum
J59.4 Anastomosis of pancreatic duct to jejunum not elsewhere classified
J59.5 Revision of anastomosis of pancreatic duct
J59.6 Closure of anastomosis of pancreatic duct
J59.8 Other specified connection of pancreatic duct
J59.9 Unspecified connection of pancreatic duct

**J60** Other open operations on pancreatic duct (Clean-contaminated)

J60.1 Drainage of pancreatic duct
J60.2 Open removal of calculus from pancreatic duct
   *Includes: Removal of calculus from pancreatic duct not elsewhere classified*
J60.3 Insertion of T tube into pancreatic duct (Clean-contaminated)
J60.4 Open insertion of tubal prosthesis into pancreatic duct
   *Includes: Insertion of tubal prosthesis into pancreatic duct not elsewhere classified (Clean-contaminated)*
J60.5 Open dilation of pancreatic duct
   *Includes: Dilation of pancreatic duct not elsewhere classified (Clean-contaminated)*
J60.8 Other specified other operations on pancreatic duct
J60.9 Unspecified other operations on pancreatic duct

**J61** Open drainage of lesion of pancreas (Clean-contaminated)

J61.1 Open cystogastrotomy of pancreas
J61.2 Drainage of cyst of pancreas into transposed jejunum
J61.3 Drainage of cyst of pancreas into jejunum not elsewhere classified
J61.4 Drainage of cyst of pancreas not elsewhere classified
J61.8 Other specified open drainage of lesion of pancreas
J61.9 Unspecified open drainage of lesion of pancreas
Breast Surgery

Includes: excision of lesion or tissue of breast including radical, modified or quadrant resection, lumpectomy

The minimum wound class for breast surgery is clean

B27 Total excision of breast (Clean)

Note: Use a supplementary code for removal of lymph node (T85-T87)

B27.1 Total mastectomy and excision of both pectoral muscles and part of chest wall
B27.2 Total mastectomy and excision of both pectoral muscles NEC
B27.3 Total mastectomy and excision of pectoralis minor muscle
B27.4 Total mastectomy NEC

Includes: Simple mastectomy
B27.5 Subcutaneous mastectomy
B27.6 Skin sparing mastectomy
B27.8 Other specified
B27.9 Unspecified

Includes: Mastectomy NEC

B28 Other excision of breast (Clean)

Note: Use a supplementary code for removal of lymph node (T85-T87)

B28.1 Quadrantectomy of breast
B28.2 Partial excision of breast NEC

Includes: Wedge excision of breast NEC

Wide excision of breast NEC
B28.3 Excision of lesion of breast

NEC Includes: Lumpectomy of breast NEC
B28.4 Re-excision of breast margins
B28.6 Excision of accessory breast tissue
B28.8 Other specified
B28.9 Unspecified

B29 Reconstruction of breast (Clean)

*Excludes: Reconstruction of breast using flap of skin of buttock (B38)
*Reconstruction of breast using abdominal flap (B39)

*Note: Use a supplementary code for insertion of prosthesis for breast (B30.1)

B29.1 Reconstruction of breast using myocutaneous flap of latissimus dorsi muscle
B29.2 Reconstruction of breast using local flap of skin NEC
B29.3 Reconstruction of breast using flap of skin of abdomen NEC
B29.4 Reconstruction of breast using distant flap of skin NEC
B29.5 Revision of reconstruction of breast
B29.8 Other specified
B29.9 Unspecified

B30 Prosthesis for breast (Clean)

Excludes: Augmentation mammoplasty (B31.2)

B30.1 Insertion of prosthesis for breast
B30.2 Revision of prosthesis for breast
B30.3 Removal of prosthesis for breast
B30.4 Renewal of prosthesis for breast
B30.8 Other specified
B30.9 Unspecified
The minimum wound class for breast surgery is clean.

**B31 Other plastic operations on breast (Clean)**
- B31.1 Reduction mammoplasty
- B31.2 Augmentation mammoplasty
- B31.3 Mastopexy
- B31.4 Revision of mammoplasty
- B31.8 Other specified
- B31.9 Unspecified

**B38 Reconstruction of breast using flap of skin of buttock (Clean)**
*Note: Use a supplementary code for insertion of prosthesis for breast (B30.1)*
- B38.1 Reconstruction of breast using free superior gluteal artery perforator flap
- B38.2 Reconstruction of breast using free inferior gluteal artery perforator flap
- B38.8 Other specified
- B38.9 Unspecified

**B39 Reconstruction of breast using abdominal flap (Clean)**
*Exclude: Reconstruction of breast using flap of skin of abdomen NEC (B29.3)*
*Note: Use a supplementary code for insertion of prosthesis for breast (B30.1)*
- B39.1 Reconstruction of breast using free transverse rectus abdominis myocutaneous flap
- B39.2 Reconstruction of breast using pedicled transverse rectus abdominis myocutaneous flap
- B39.3 Reconstruction of breast using free deep inferior epigastric perforator flap
- B39.4 Reconstruction of breast using pedicle omental flap
- B39.5 Reconstruction of breast using free omental flap
- B39.8 Other specified
- B39.9 Unspecified

**O14 Other lymph node (Clean)**
- O14.2 Sentinel lymph node

**T85 Block dissection of lymph nodes (Clean)**
- T85.1 Block dissection of cervical lymph nodes
- T85.2 Block dissection of axillary lymph nodes
- T85.3 Block dissection of mediastinal lymph nodes
- T85.4 Block dissection of para-aortic lymph nodes
- T85.5 Block dissection of inguinal lymph nodes
- T85.6 Block dissection of pelvic lymph nodes
- T85.8 Other specified
- T85.9 Unspecified

**T86 Sampling of lymph nodes (Clean)**
*Note: Use subsidiary code for sentinel lymph node (O14.2 (Z))*
- T86.1 Sampling of cervical lymph nodes
- T86.2 Sampling of axillary lymph nodes
- T86.3 Sampling of supraclavicular lymph nodes
- T86.4 Sampling of internal mammary lymph nodes
- T86.5 Sampling of mediastinal lymph nodes
- T86.6 Sampling of para-aortic lymph nodes
- T86.7 Sampling of inguinal lymph nodes
- T86.8 Other specified
- T86.9 Unspecified

**T87 Excision or biopsy of lymph node (Clean)**
*Note: Use subsidiary code for sentinel lymph node (O14.2 (Z))*
- T87.1 Excision or biopsy of scalene lymph node
- T87.2 Excision or biopsy of cervical lymph node NEC
- T87.3 Excision or biopsy of axillary lymph node
*Include: Excision or biopsy of supraclavicular lymph node NEC*
- T87.4 Excision or biopsy of mediastinal lymph node
- T87.5 Excision or biopsy of para-aortic lymph node
- T87.6 Excision or biopsy of porta hepatitis lymph node
- T87.7 Excision or biopsy of inguinal lymph node
- T87.8 Other specified
- T87.9 Unspecified
Cardiac Surgery

The minimum wound class for cardiac surgery is clean

K04 Repair of tetralogy of Fallot (Clean)
Includes: Fallot-type pulmonary atresia with ventricular septal defect
K04.1 Repair of tetralogy of Fallot using valved right ventricular outflow conduit
K04.2 Repair of tetralogy of Fallot using right ventricular outflow conduit NEC
K04.3 Repair of tetralogy of Fallot using transannular patch
Includes: Repair of tetralogy of Fallot using right ventricular outflow patch
K04.4 Revision of repair of tetralogy of Fallot
K04.5 Repair of tetralogy of Fallot with absent pulmonary valve
K04.6 Repair of Fallot-type pulmonary atresia with aortopulmonary collaterals
K04.8 Other specified
K04.9 Unspecified

K05 Atrial inversion operations for transposition of great arteries (Clean)
K05.1 Reconstruction of atrium using atrial patch for transposition of great arteries
K05.2 Reconstruction of atrium using atrial wall for transposition of great arteries
K05.8 Other specified
K05.9 Unspecified

K06 Other repair of transposition of great arteries (Clean)
Includes: Repair of transposition of great arteries with ventricular septal defect
Repair of transposition of great arteries with left ventricular outflow tract
Obstruction
Repair of congenitally corrected transposition of great arteries
K06.1 Repositioning of transposed great arteries
Includes: Arterial switch procedure
K06.2 Left ventricle to aorta tunnel with right ventricle to pulmonary trunk direct anastomosis
K06.3 Left ventricle to aorta tunnel with right ventricle to pulmonary artery valved conduit
K06.4 Atrial inversion and repositioning of transposed great artery
Includes: Double switch procedure
K06.8 Other specified
K06.9 Unspecified

K07 Correction of total anomalous pulmonary venous connection (Clean)
K07.1 Correction of total anomalous pulmonary venous connection to supracardiac vessel
K07.2 Correction of total anomalous pulmonary venous connection to coronary sinus
K07.3 Correction of total anomalous pulmonary venous connection to infradiaphragmatic vessel
K07.8 Other specified
K07.9 Unspecified

K08 Repair of double outlet ventricle (Clean)
K08.1 Repair of double outlet right ventricle with intraventricular tunnel
K08.2 Repair of Fallot-type double outlet right ventricle
K08.3 Repair of double outlet right ventricle
K08.4 Repair of double outlet left ventricle
K08.8 Other specified
K08.9 Unspecified

K09 Repair of defect of atrioventricular septum (Clean)
K09.1 Repair of defect of atrioventricular septum using dual prosthetic patches
K09.2 Repair of defect of atrioventricular septum using prosthetic patch NEC
K09.3 Repair of defect of atrioventricular septum using tissue graft
K09.4 Repair of persistent ostium primum
K09.5 Primary repair of defect of atrioventricular septum NEC
K09.6 Revision of repair of defect of atrioventricular septum
K09.8 Other specified
K09.9 Unspecified

Open chest procedures on the valves or septum of heart; does not include coronary artery bypass graft, surgery on vessels, heart transplantation, or pacemaker implantation.
The minimum wound class for cardiac surgery is clean

K10 Repair of defect of interatrial septum (Clean)
   Excludes: When associated with repair of tetralogy of Fallot (K04)
   Percutaneous transluminal repair of defect of interatrial septum (K13.3, K13.4)

K10.1 Repair of defect of interatrial septum using prosthetic patch
K10.2 Repair of defect of interatrial septum using pericardial patch
K10.3 Repair of defect of interatrial septum using tissue graft NEC
K10.4 Primary repair of defect of interatrial septum NEC
K10.5 Revision of repair of defect of interatrial septum
K10.8 Other specified
K10.9 Unspecified

K11 Repair of defect of interventricular septum (Clean)
   Excludes: When associated with repair of tetralogy of Fallot (K04)
   Percutaneous transluminal repair of defect of interventricular septum (K13.1, K13.2)

K11.1 Repair of defect of interventricular septum using prosthetic patch
K11.2 Repair of defect of interventricular septum using pericardial patch
K11.3 Repair of defect of interventricular septum using tissue graft NEC
K11.4 Primary repair of defect of interventricular septum NEC
K11.5 Revision of repair of defect of interventricular septum
K11.6 Repair of multiple interventricular septal defects
K11.7 Repair of interventricular septal defect using intraoperative transluminal prosthesis
K11.8 Other specified
K11.9 Unspecified

K12 Repair of defect of unspecified septum of heart (Clean)
   Excludes: When associated with repair of tetralogy of Fallot (K04)
   Percutaneous transluminal repair of defect of unspecified septum (K13.5–K13.9)

K12.1 Repair of defect of septum of heart using prosthetic patch NEC
K12.2 Repair of defect of septum of heart using pericardial patch NEC
K12.3 Repair of defect of septum of heart using tissue graft NEC
K12.4 Primary repair of defect of septum of heart NEC
K12.5 Revision of repair of septum of heart NEC
K12.8 Other specified
K12.9 Unspecified

K14 Other open operations on septum of heart (Clean)

K14.1 Open enlargement of defect of atrial septum
K14.2 Open atrial septostomy
   Includes: Open atrial septal fenestration
   Atrial septostomy NEC
K14.3 Atrial septectomy
K14.4 Surgical atrial septation
K14.5 Open enlargement of defect of interventricular septum
K14.8 Other specified
K14.9 Unspecified

K17 Repair of univentricular heart (Clean)

K17.1 Total cavopulmonary connection with extracardiac inferior caval vein to pulmonary artery conduit
K17.2 Total cavopulmonary connection with lateral atrial tunnel
K17.3 Aortopulmonary reconstruction with systemic to pulmonary arterial shunt
   Includes: Primary palliation of hypoplastic left heart syndrome
K17.4 Aortopulmonary reconstruction with right ventricle to pulmonary arterial valveless conduit
   Includes: Primary palliation of hypoplastic left heart
K17.5 Biventricular repair of hypoplastic left heart syndrome
K17.6 Takedown of total cavopulmonary connection
K17.7 Conversion of atrial pulmonary anastomosis to total pulmonary connection
K17.8 Other specified
K17.9 Unspecified
The minimum wound class for cardiac surgery is clean

K18  Creation of valved cardiac conduit (Clean)

Excludes: When associated with repair of tetralogy of Fallot (K04)

K18.1 Creation of valved conduit between atrium and ventricle of heart
K18.2 Creation of valved conduit between right atrium and pulmonary artery
K18.3 Creation of valved conduit between right ventricle of heart and pulmonary artery
K18.4 Creation of valved conduit between left ventricle of heart and aorta
K18.5 Revision of valved cardiac conduit
K18.6 Creation of valved conduit between left ventricle of heart and pulmonary artery
K18.7 Replacement of valved cardiac conduit
K18.8 Other specified
K18.9 Unspecified

K19  Creation of other cardiac conduit (Clean)

Excludes: When associated with repair of tetralogy of Fallot (K04)

K19.1 Creation of conduit between atrium and ventricle of heart NEC
K19.2 Creation of conduit between right atrium and pulmonary artery NEC
K19.3 Creation of conduit between right ventricle of heart and pulmonary artery NEC
K19.4 Creation of conduit between right ventricle of heart and vena cava
K19.5 Creation of conduit between left ventricle of heart and aorta NEC
K19.6 Revision of cardiac conduit NEC
K19.8 Other specified
K19.9 Unspecified

K20  Refashioning of atrium (Clean)

K20.1 Correction of persistent sinus venosus
K20.2 Correction of partial anomalous pulmonary venous drainage
K20.3 Repair of cor triatriatum
K20.4 Repair of coronary sinus abnormality
K20.8 Other specified
K20.9 Unspecified

K22  Other operations on wall of atrium (Clean)

Excludes: Operations on coronary artery (K40-K51) or conducting system of heart (K52, K57, K58)

K22.1 Excision of lesion of atrium
K22.2 Repair of atrium NEC
K22.8 Other specified
K22.9 Unspecified

K23  Other operations of wall of heart (Clean)

Excludes: Operations on coronary artery (K40–K51) or conducting system of heart (K52, K57–K58)

K23.1 Excision of lesion of wall of heart NEC

Includes: Excision of lesion of ventricle of heart

K23.2 Biopsy of lesion of wall of heart

Includes: Biopsy of wall of heart

Biopsy of lesion of heart NEC

Biopsy of heart NEC

K23.3 Repair of wall of heart NEC
K23.5 Partial left ventriculectomy
K23.6 Cardiomyoplasty
K23.8 Other specified
K23.9 Unspecified

K24  Other operations on ventricles of heart (Clean)

K24.1 Relief of right ventricular outflow tract obstruction
K24.2 Repair of double chambered right ventricle
K24.3 Repair of right ventricular aneurysm
K24.4 Repair of left ventricular aneurysm
K24.5 Relief of left ventricular outflow tract obstruction
K24.6 Myectomy of left ventricular outflow tract
K24.7 Myotomy of left ventricular outflow tract
The minimum wound class for cardiac surgery is clean

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
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<td>Other specified</td>
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<td>K24.9</td>
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<tr>
<td><strong>K25</strong></td>
<td><strong>Plastic repair of mitral valve (Clean)</strong></td>
</tr>
<tr>
<td>Excludes: Annuloplasty of mitral valve (K34.1)</td>
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<tr>
<td>K25.1</td>
<td>Allograft replacement of mitral valve</td>
</tr>
<tr>
<td>K25.2</td>
<td>Xenograft replacement of mitral valve</td>
</tr>
<tr>
<td>K25.3</td>
<td>Prosthetic replacement of mitral valve</td>
</tr>
<tr>
<td>K25.4</td>
<td>Replacement of mitral valve NEC</td>
</tr>
<tr>
<td>K25.5</td>
<td>Mitral valve repair NEC</td>
</tr>
<tr>
<td>Includes: Mitral valvuloplasty NEC</td>
<td></td>
</tr>
<tr>
<td>K25.8</td>
<td>Other specified</td>
</tr>
<tr>
<td>K25.9</td>
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<tr>
<td><strong>K26</strong></td>
<td><strong>Plastic repair of aortic valve (Clean)</strong></td>
</tr>
<tr>
<td>Note: Use as a supplementary code for concurrent multiple replacement of valves of heart (e.g. K25)</td>
<td></td>
</tr>
<tr>
<td>K26.1</td>
<td>Allograft replacement of aortic valve</td>
</tr>
<tr>
<td>K26.2</td>
<td>Xenograft replacement of aortic valve</td>
</tr>
<tr>
<td>K26.3</td>
<td>Prosthetic replacement of aortic valve</td>
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<td>K26.4</td>
<td>Replacement of aortic valve NEC</td>
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<td>K26.5</td>
<td>Aortic valve repair NEC</td>
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<tr>
<td><strong>K27</strong></td>
<td><strong>Plastic repair of tricuspid valve (Clean)</strong></td>
</tr>
<tr>
<td>K27.1</td>
<td>Allograft replacement of tricuspid valve</td>
</tr>
<tr>
<td>K27.2</td>
<td>Xenograft replacement of tricuspid valve</td>
</tr>
<tr>
<td>K27.3</td>
<td>Prosthetic replacement of tricuspid valve</td>
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<tr>
<td>K27.4</td>
<td>Replacement of tricuspid valve NEC</td>
</tr>
<tr>
<td>K27.5</td>
<td>Repositioning of tricuspid valve</td>
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<tr>
<td>K27.6</td>
<td>Tricuspid valve repair NEC</td>
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<tr>
<td>Includes: Tricuspid valvuloplasty NEC</td>
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<tr>
<td><strong>K28</strong></td>
<td><strong>Plastic repair of pulmonary valve (Clean)</strong></td>
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<td>K28.1</td>
<td>Allograft replacement of pulmonary valve</td>
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<tr>
<td>K28.2</td>
<td>Xenograft replacement of pulmonary valve</td>
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<tr>
<td>K28.3</td>
<td>Prosthetic replacement of pulmonary valve</td>
</tr>
<tr>
<td>K28.4</td>
<td>Replacement of pulmonary valve NEC</td>
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<td>K28.5</td>
<td>Pulmonary valve repair NEC</td>
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<tr>
<td>Includes: Pulmonary valvuloplasty NEC</td>
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<tr>
<td>K28.8</td>
<td>Other specified</td>
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<tr>
<td>K28.9</td>
<td>Unspecified</td>
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<tr>
<td><strong>K29</strong></td>
<td><strong>Plastic repair of unspecified valve of heart (Clean)</strong></td>
</tr>
<tr>
<td>Includes: Plastic repair of other specified valve of heart</td>
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</tr>
<tr>
<td>K29.1</td>
<td>Allograft replacement of valve of heart NEC</td>
</tr>
<tr>
<td>K29.2</td>
<td>Xenograft replacement of valve of heart NEC</td>
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<td>K29.3</td>
<td>Prosthetic replacement of valve of heart NEC</td>
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<tr>
<td>K29.4</td>
<td>Replacement of valve of heart NEC</td>
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<tr>
<td>K29.5</td>
<td>Repair of valve of heart NEC</td>
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<tr>
<td>Includes: Valvuloplasty of heart NEC</td>
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<tr>
<td>K29.6</td>
<td>Truncal valve repair</td>
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<td>Includes: Truncal valvuloplasty</td>
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<tr>
<td>K29.7</td>
<td>Replacement of truncal valve</td>
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<tr>
<td>K29.8</td>
<td>Other specified</td>
</tr>
<tr>
<td>K29.9</td>
<td>Unspecified</td>
</tr>
</tbody>
</table>
The minimum wound class for cardiac surgery is clean

**K30** Revision of plastic repair of valve of heart (*Clean*)
*Includes: Revision of replacement of valve of heart*

- K30.1 Revision of plastic repair of mitral valve
- K30.2 Revision of plastic repair of aortic valve
- K30.3 Revision of plastic repair of tricuspid valve
- K30.4 Revision of plastic repair of pulmonary valve
- K30.5 Revision of plastic repair of truncal valve
- K30.8 Other specified
- K30.9 Unspecified

**K31** Open incision of valve of heart (*Clean*)
*Includes: Incision of valve of heart NEC*

- K31.1 Open mitral valvotomy
- K31.2 Open aortic valvotomy
- K31.3 Open tricuspid valvotomy
- K31.4 Open pulmonary valvotomy
- K31.5 Open truncal valvotomy
- K31.8 Other specified
- K31.9 Unspecified
*Includes: Valvotomy NEC*

**K32** Closed incision of valve of heart (*Clean*)

- K32.1 Closed mitral valvotomy
- K32.2 Closed aortic valvotomy
- K32.3 Closed tricuspid valvotomy
- K32.4 Closed pulmonary valvotomy
- K32.8 Other specified
- K32.9 Unspecified

**K34** Other open operations on valve of heart (*Clean*)

- K34.1 Annuloplasty of mitral valve
- K34.2 Annuloplasty of tricuspid valve
- K34.3 Annuloplasty of valve of heart NEC
- K34.4 Excision of vegetations of valve of heart
*Excludes: Open excision of vegetations of heart NEC (K55.4)*

- K34.5 Closure of tricuspid valve
- K34.6 Closure of pulmonary valve
- K34.8 Other specified
- K34.9 Unspecified

**K36** Excision of valve of heart (*Clean*)

- K36.1 Tricuspid valvectomy
- K36.2 Pulmonary valvectomy
- K36.8 Other specified
- K36.9 Unspecified

**K67** Excision of pericardium (*Clean*)

- K67.1 Excision of lesion of pericardium
- K67.8 Other specified
- K67.9 Unspecified

**K69** Incision of pericardium (*Clean*)

- K69.1 Freeing of adhesions of pericardium
- K69.2 Fenestration of pericardium
- K69.8 Other specified
- K69.9 Unspecified
Cholecystectomy (non-laparoscopic) without exploration of bile duct

Partial or total excision of the gall bladder, excluding laparoscopic approach and procedures involving exploration of the bile duct.

The minimum wound class is shown in brackets by group name

Excision of gall bladder without exploration of bile duct *(Clean-contaminated)*

Includes: Cholecystectomy without exploration of bile duct

Excludes: Cholecystectomy with exploration of bile duct (J18.2 and J18.4 these are included in bile duct liver or pancreas surgery category)

J18.1 Total cholecystectomy and excision of surrounding tissue
J18.3 Total cholecystectomy not elsewhere classified
J18.5 Partial cholecystectomy not elsewhere classified
J18.8 Other specified excision of gall bladder
J18.9 Unspecified excision of gall bladder
Coronary artery bypass graft

Open chest procedure to perform direct revascularization of heart, for example, using suitable vein from leg for grafting, internal mammary artery, etc.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>K40</td>
<td>Saphenous vein graft replacement of coronary artery <em>(Clean)</em></td>
</tr>
<tr>
<td>K40.1</td>
<td>Saphenous vein graft replacement of one coronary artery</td>
</tr>
<tr>
<td>K40.2</td>
<td>Saphenous vein graft replacement of two coronary arteries</td>
</tr>
<tr>
<td>K40.3</td>
<td>Saphenous vein graft replacement of three coronary arteries</td>
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<tr>
<td>K40.4</td>
<td>Saphenous vein graft replacement of four or more coronary arteries</td>
</tr>
<tr>
<td>K40.8</td>
<td>Other specified saphenous vein graft replacement of coronary artery</td>
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<tr>
<td>K40.9</td>
<td>Unspecified saphenous vein graft replacement of coronary artery</td>
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<tr>
<td>K41</td>
<td>Other autograft replacement of coronary artery <em>(Clean)</em></td>
</tr>
<tr>
<td>K41.1</td>
<td>Autograft replacement of one coronary artery not elsewhere classified</td>
</tr>
<tr>
<td>K41.2</td>
<td>Autograft replacement of two coronary arteries not elsewhere classified</td>
</tr>
<tr>
<td>K41.3</td>
<td>Autograft replacement of three coronary arteries not elsewhere classified</td>
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<tr>
<td>K41.4</td>
<td>Autograft replacement of four or more coronary arteries not elsewhere classified</td>
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<td>K41.8</td>
<td>Other specified autograft replacement of coronary artery</td>
</tr>
<tr>
<td>K41.9</td>
<td>Unspecified other autograft replacement of coronary artery</td>
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<tr>
<td>K43</td>
<td>Prosthetic replacement of coronary artery <em>(Clean)</em></td>
</tr>
<tr>
<td>K43.1</td>
<td>Prosthetic replacement of one coronary artery</td>
</tr>
<tr>
<td>K43.2</td>
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<td>Prosthetic replacement of four or more coronary arteries</td>
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<td>K43.8</td>
<td>Other specified prosthetic replacement of coronary artery</td>
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<td>K43.9</td>
<td>Unspecified prosthetic replacement of coronary artery</td>
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<tr>
<td>K44</td>
<td>Other replacement of coronary artery <em>(Clean)</em></td>
</tr>
<tr>
<td>K44.1</td>
<td>Replacement of coronary arteries using multiple methods</td>
</tr>
<tr>
<td>K44.2</td>
<td>Revision of replacement of coronary artery</td>
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<td>K44.8</td>
<td>Other specified other replacement of coronary artery</td>
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<tr>
<td>K44.9</td>
<td>Unspecified other replacement of coronary artery</td>
</tr>
<tr>
<td>K45</td>
<td>Connection of thoracic artery to coronary artery <em>(Clean)</em></td>
</tr>
<tr>
<td>K45.1</td>
<td>Double anastomosis of mammary arteries to coronary arteries</td>
</tr>
<tr>
<td>K45.2</td>
<td>Double anastomosis of thoracic arteries to coronary arteries not elsewhere classified</td>
</tr>
<tr>
<td>K45.3</td>
<td>Anastomosis of mammary artery to left anterior descending coronary artery</td>
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<td>K45.4</td>
<td>Anastomosis of mammary artery to coronary artery not elsewhere classified</td>
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<td>K45.5</td>
<td>Anastomosis of thoracic artery to coronary artery not elsewhere classified</td>
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<td>K45.6</td>
<td>Revision of connection of thoracic artery to coronary artery</td>
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<tr>
<td>K45.8</td>
<td>Other specified connection of thoracic artery to coronary artery</td>
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<tr>
<td>K45.9</td>
<td>Unspecified connection of thoracic artery to coronary artery</td>
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<tr>
<td>K46</td>
<td>Other bypass of coronary artery <em>(Clean)</em></td>
</tr>
<tr>
<td>K46.1</td>
<td>Double implantation of mammary arteries into heart</td>
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<tr>
<td>K46.2</td>
<td>Double implantation of thoracic arteries into heart not elsewhere classified</td>
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<td>K46.3</td>
<td>Implantation of mammary artery into heart not elsewhere classified</td>
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</tr>
<tr>
<td>K46.9</td>
<td>Unspecified other bypass of coronary artery</td>
</tr>
</tbody>
</table>
Cranial Surgery

Incision through the skull to excise, repair, or explore the brain; does not include taps or punctures

*Note: Use a subsidiary code for minimal access approach (Y74–Y76)*

*Use a subsidiary code to identify method of image control (Y53)*

The minimum wound class for cranial surgery is clean

A01 Major excision of tissue of brain *(Clean)*
   A01.1 Hemispherectomy
   A01.2 Total lobectomy of brain
   A01.3 Partial lobectomy of brain
   A01.8 Other specified
   A01.9 Unspecified

A02 Excision of lesion of tissue of brain *(Clean)*
   A02.1 Excision of lesion of tissue of frontal lobe of brain
   A02.2 Excision of lesion of tissue of temporal lobe of brain
   A02.3 Excision of lesion of tissue of parietal lobe of brain
   A02.4 Excision of lesion of tissue of occipital lobe of brain
   A02.5 Excision of lesion of tissue of cerebellum
   A02.6 Excision of lesion of tissue of brain stem
   A02.8 Other specified
   A02.9 Unspecified

A04 Open biopsy of lesion of tissue of brain *(Clean)*
   Includes: *Tissue of brain*
   A04.1 Open biopsy of lesion of tissue of frontal lobe of brain
   A04.2 Open biopsy of lesion of tissue of temporal lobe of brain
   A04.3 Open biopsy of lesion of tissue of parietal lobe of brain
   A04.4 Open biopsy of lesion of tissue of occipital lobe of brain
   A04.5 Open biopsy of lesion of tissue of cerebellum
   A04.6 Open biopsy of lesion of tissue of brain stem
   A04.8 Other specified
   A04.9 Unspecified

A05 Drainage of lesion of tissue of brain *(Clean)*
   Excludes: *Drainage of subarachnoid space of brain (A22.1)*
   *Drainage of extradural space (A40)*
   A05.1 Drainage of abscess of tissue of brain
   A05.2 Evacuation of haematoma from temporal lobe of brain
   A05.3 Evacuation of haematoma from cerebellum
   A05.4 Evacuation of intracerebral haematoma NEC
   A05.8 Other specified
   A05.9 Unspecified

A07 Other open operations on tissue of brain *(Clean)*
   A07.1 Open division of tissue of brain
   A07.2 Removal of foreign body from tissue of brain
   A07.3 Exploration of tissue of brain
   A07.4 Excision of abscess of tissue of brain
   A07.5 Multiple subpial transections
   A07.6 Complete callosotomy
   A07.7 Partial callosotomy
   A07.8 Other specified
   A07.9 Unspecified
The minimum wound class for cranial surgery is clean

**A09** Neurostimulation of brain *(Clean)*

*Includes: Neurostimulation of brainstem*

- A09.1 Implantation of neurostimulator into brain
- A09.2 Maintenance of neurostimulator in brain
- A09.3 Removal of neurostimulator from brain
- A09.4 Operation on neurostimulator in brain NEC
- A09.5 Insertion of neurostimulator electrodes into the brain
- A09.8 Other specified
- A09.9 Unspecified

**A10** Other operations on tissue of brain *(Clean)*

*Note: Principal category, extended at A11*

- A10.1 Leucotomy NEC
- A10.6 Insertion of carmustine wafers in neoplasm of tissue of brain

**A11** Operations on tissue of brain *(Clean)*

*Note: Principal A10*

- A11.1 Placement of depth electrodes for electroencephalography
- A11.2 Placement of surface electrodes for electroencephalography
- A11.3 Monitoring of pressure in tissue of brain
  *Excludes: Monitoring of pressure in ventricle of brain (A20.3)*
- A11.8 Other specified
- A11.9 Unspecified

**A38** Exirpation of lesion of meninges of brain *(Clean)*

*Note: Principal category, extended at A43*

- A38.1 Exirpation of lesion of meninges of cortex of brain
- A38.2 Exirpation of lesion of meninges of sphenoidal ridge of cranium
- A38.3 Exirpation of lesion of meninges of subfrontal region of brain
- A38.4 Exirpation of lesion of meninges of parasagittal region of brain
- A38.5 Exirpation of lesion of falx cerebri
- A38.6 Exirpation of lesion of tentorium cerebelli
- A38.8 Other specified
- A38.9 Unspecified

**A39** Repair of dura *(Clean)*

- A39.1 Repair of meningoencephaloecele
- A39.2 Repair of dura of anterior fossa of cranium
- A39.3 Repair of dura of middle fossa of cranium
- A39.4 Repair of dura of posterior fossa of cranium
- A39.5 Repair of dura of vault of cranium
- A39.8 Other specified
- A39.9 Unspecified

**A40** Drainage of extradural space *(Clean)*

- A40.1 Evacuation of extradural haematoma
- A40.8 Other specified
- A40.9 Unspecified

**A41** Drainage of subdural space *(Clean)*

- A41.1 Evacuation of subdural haematoma
- A41.2 Drainage of abscess of subdural space
- A41.8 Other specified
- A41.9 Unspecified

**A42** Other operations on meninges of brain *(Clean)*

- A42.1 Creation of anastomosis of dura
- A42.8 Other specified
- A42.9 Unspecified
The minimum wound class for cranial surgery is clean

**A43** Other extirpation of lesion of meninges of brain *(Clean)*
Note: Principal A38

A43.1 Exirpation of lesion of meninges of skull base
A43.2 Exirpation of lesion of meninges of skull clivus
A43.8 Other specified
A43.9 Unspecified

**B01** Excision of pituitary gland *(Clean)*
B01.1 Transectual hypophysectomy
B01.2 Trans-sphenoidal hypophysectomy
B01.3 Trans-septal hypophysectomy
B01.4 Transcranial hypophysectomy
B01.8 Other specified
B01.9 Unspecified
Includes: Hypophysectomy NEC

**B02** Destruction of pituitary gland *(Clean)*
B02.1 Cryotherapy to pituitary gland
B02.2 Implantation of radioactive substance into pituitary gland
Note: Use an additional code to specify radiotherapy delivery (X65)
B02.3 Injection of destructive substance into pituitary gland NEC
B02.8 Other specified
B02.9 Unspecified

**B04** Other operations on pituitary gland *(Clean)*
*Includes: Pituitary stalk (B04.5)*

B04.1 Excision of lesion of pituitary gland
B04.2 Biopsy of lesion of pituitary gland
Includes: Biopsy of pituitary gland
B04.3 Decompression of pituitary gland
B04.4 Exploration of pituitary gland
B04.5 Operations on pituitary stalk
B04.8 Other specified
B04.9 Unspecified

**B06** Operations on pineal gland *(Clean)*
B06.1 Excision of pineal gland
B06.8 Other specified
B06.9 Unspecified

**L33** Operations on aneurysm of cerebral artery *(Clean)*
*Includes: Artery of circle of Willis*

L33.1 Excision of aneurysm of cerebral artery
L33.2 Clipping of aneurysm of cerebral artery
L33.3 Ligation of aneurysm of cerebral artery NEC
L33.4 Obliteration of aneurysm of cerebral artery NEC
L33.8 Other specified
L33.9 Unspecified

**L34** Other open operations on cerebral artery *(Clean)*
*Includes: Artery of circle of Willis*

L34.1 Reconstruction of cerebral artery
L34.2 Anastomosis of cerebral artery
L34.3 Open embolectomy of cerebral artery
Includes: Open thrombectomy of cerebral artery Embolectomy of cerebral artery NEC
Thrombectomy of cerebral artery NEC
L34.4 Open embolisation of cerebral artery
L34.8 Other specified
L34.9 Unspecified
Bones and Joints of Skull and Spine

The minimum wound class for cranial surgery is clean

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<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>V01</td>
<td>Plastic repair of cranium <em>(Clean)</em></td>
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<tr>
<td>V01.1</td>
<td>Cranioplasty using prosthesis</td>
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<td>V01.2</td>
<td>Cranioplasty using bone graft</td>
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<tr>
<td>V01.3</td>
<td>Opening of suture of cranium</td>
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<td>V01.4</td>
<td>Removal of prosthesis from cranium</td>
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<td>V01.5</td>
<td>Revision of cranioplasty NEC</td>
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<tr>
<td>V03</td>
<td>Opening of cranium <em>(Clean)</em></td>
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<tr>
<td>V03.1</td>
<td>Exploratory open craniotomy</td>
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<tr>
<td>V03.2</td>
<td>Re opening of cranium and re-exploration of intracranial operation site and surgical arrest of postoperative bleeding</td>
</tr>
<tr>
<td>V03.3</td>
<td>Re opening of cranium and re-exploration of intracranial operation site NEC</td>
</tr>
<tr>
<td>V03.4</td>
<td>Re opening of cranium NEC</td>
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<tr>
<td>V03.5</td>
<td>Trephine of cranium</td>
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<tr>
<td>V03.6</td>
<td>Exploratory burrhole of cranium</td>
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<tr>
<td>V04</td>
<td>Reshaping of cranium <em>(Clean)</em></td>
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<td>V04.1</td>
<td>Fitting dynamic cranioplasty bands</td>
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<td>Other operations on cranium <em>(Clean)</em></td>
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<td>V05.1</td>
<td>Extirpation of lesion of cranium</td>
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<tr>
<td>V05.4</td>
<td>Repair of fracture of cranium NEC</td>
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<tr>
<td>V05.5</td>
<td>Graft of bone to cranium</td>
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<td>V05.6</td>
<td>Transpetrous excision of lesion of jugular foramen</td>
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<td>V05.7</td>
<td>Hemicraniotomy</td>
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<td>Other specified</td>
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</table>
**Gastric Surgery**

| Incision, excision or anastomosis of stomach, including partial or total gastrectomy, vagotomy, pyloromyotomy, pyloroplasty and gastroenterostomy. |

These can be included in the surveillance using the following Y75.codes as a secondary code to indicate the laparoscopic approach. For example, a laparoscopic assisted Oesophagogastrectomy and anastomosis of oesophagus to stomach would be given a primary procedure code of G01.1 and a secondary code of Y75.1.

**Please see minimum wound class against each procedure**

| Y75.1 | Laparoscopically assisted approach to the abdominal cavity |
| Y75.2 | Laparoscopic approach to the abdominal cavity not elsewhere classified. |

**A27 Extracranial extirpation of vagus nerve (vagotomy) * (Clean)**

| A27.1 | Extracranial truncal vagotomy |
| A27.2 | Proximal gastric vagotomy |
| A27.3 | Selective extracranial vagotomy not elsewhere classified |
| A27.8 | Other specified |
| A27.9 | Unspecified |

*Note: For vagotomy as a single procedure the minimum wound class is clean. For vagotomy associated with concurrent gastroenterostomy or incision of pylorus, the minimum wound class is clean-contaminated.*

**G01 Excision of oesophagus and stomach (oesophagogastrectomy) (Clean-contaminated)**

| G01.1 | Oesophagogastrectomy and anastomosis of oesophagus to stomach |
| G01.2 | Oesophagogastrectomy and anastomosis of oesophagus to transposed jejunum |
| G01.3 | Oesophagogastrectomy and anastomosis of oesophagus to jejunum not elsewhere classified |
| G01.8 | Other specified |
| G01.9 | Unspecified |

**G24 Antireflux operation (Clean-contaminated)**

| G24.1 | Antireflux fundoplication using thoracic approach |
| G24.2 | Antireflux operation using thoracic approach not elsewhere classified |
| G24.3 | Antireflux fundoplication using abdominal approach |
| G24.4 | Antireflux gastropexy |
| G24.5 | Gastroplasty and antireflux procedure however further qualified |
| G24.6 | Insertion of angelchick prosthesis |
| G24.8 | Other specified |
| G24.9 | Unspecified |

**G25 Revision of antireflux operations (Clean-contaminated)**

| G25.1 | Revision of fundoplication of stomach |
| G25.2 | Adjustment to angelchick prosthesis |
| G25.3 | Removal of angelchick prosthesis |
| G25.8 | Other specified |
| G25.9 | Unspecified |

**G27 Total excision of stomach (total gastrectomy) (Clean-contaminated)**

| G27.1 | Total gastrectomy and excision of surrounding tissue |
| G27.2 | Total gastrectomy and anastomosis of oesophagus to duodenum |
| G27.3 | Total gastrectomy and interposition of jejunum |
| G27.4 | Total gastrectomy and anastomosis of oesophagus to transposed jejunum |
| G27.5 | Total gastrectomy and anastomosis of oesophagus to jejunum not elsewhere classified |
| G27.8 | Other specified total excision of stomach |
| G27.9 | Unspecified total excision of stomach |
Please see minimum wound class against each procedure

G28  Partial excision of stomach (partial gastrectomy) *(Clean-contaminated)*
G28.1  Partial gastrectomy and anastomosis of stomach to duodenum
G28.2  Partial gastrectomy and anastomosis of stomach to transposed jejunum
G28.3  Partial gastrectomy and anastomosis of stomach to jejenum not elsewhere classified
G28.4  Sleeve gastrectomy and duodenal switch
G28.5  Sleeve gastrectomy NEC
G28.8  Other specified partial excision of stomach
G28.9  Unspecified partial excision of stomach
    *Includes: Gastrectomy not elsewhere classified*

G30  Plastic operations on stomach *(Clean-contaminated)*
G30.1  Gastroplasty not elsewhere classified
G30.2  Partitioning of stomach
G30.3  Partitioning of stomach using band
G30.4  Partitioning of stomach using staples
G30.8  Other specified plastic operations on the stomach
G30.9  Unspecified plastic operations on the stomach

G31  Connection of stomach to duodenum *(Clean-contaminated)*
    *Excludes: Connection of stomach to duodenum when associated with concurrent excision of stomach (G27.2 and G28.1)*
G31.1  Bypass of stomach by anastomosis of oesophagus to duodenum
G31.2  Bypass of stomach by anastomosis of stomach to duodenum
G31.3  Revision of anastomosis of stomach to duodenum
G31.4  Conversion to anastomosis of stomach to duodenum
G31.5  Closure of connection of stomach to duodenum
G31.6  Attention to connection of stomach to duodenum
G31.8  Other specified connection of stomach to duodenum
G31.9  Unspecified connection of stomach to duodenum
G31.0  Conversion from previous anastomosis of stomach to duodenum

G32  Connection of stomach to transposed jejunum *(Clean-contaminated)*
    *Excludes: Connection of stomach to transposed jejunum when associated with concurrent excision of stomach (G27.4 and G28.2)*
G32.1  Bypass of stomach by anastomosis of stomach to transposed jejunum
G32.2  Revision of anastomosis of stomach to transposed jejunum
G32.3  Conversion to anastomosis of stomach to transposed jejunum
G32.4  Closure of connection of stomach to transposed jejunum
G32.5  Attention to connection of stomach to transposed jejunum
G32.8  Other specified connection of stomach to transposed jejunum
G32.9  Unspecified connection of stomach to transposed jejunum
G32.0  Conversion from previous anastomosis of stomach to transposed duodenum

G33  Other connection of stomach to jejunum *(Clean-contaminated)*
    *Excludes: Connection of stomach to jejunum when associated with concurrent excision of stomach not elsewhere classified (G27.5 and G28.3)*
G33.1  Bypass of stomach by anastomosis of stomach to jejunum not elsewhere classified
    *Includes: Gastroenterostomy not elsewhere classified*
G33.2  Revision of anastomosis of stomach to jejunum not elsewhere classified
G33.3  Conversion to anastomosis of stomach to jejunum not elsewhere classified
G33.4  Open reduction of intussusception of gastroenterostomy
G33.5  Closure of connection of stomach to jejunum NEC
G33.6  Attention to connection of stomach to jejunum
G33.8  Other specified other connection of stomach to jejunum
G33.9  Unspecified other connection of stomach to jejunum
G33.0  Conversion from previous anastomosis of stomach to jejunum not elsewhere classified
Please see minimum wound class against each procedure

**G35** Operations on ulcer of stomach
- **G35.1** Closure of perforated ulcer of stomach *(Contaminated)*
- **G35.2** Closure of ulcer of stomach not elsewhere classified *(Clean-contaminated)*
  Includes: Suture of ulcer of stomach not elsewhere classified
- **G35.8** Other specified operations on ulcer of stomach
- **G35.9** Unspecified operations on ulcer of stomach

**G36** Other repair of stomach
- **G36.1** Gastropexy not elsewhere classified *(Clean-contaminated)*
- **G36.2** Closure of perforation of stomach *(Contaminated)*
- **G36.3** Closure of abnormal opening of stomach not elsewhere classified *(Clean-contaminated)*
- **G36.8** Other specified other repair of stomach
- **G36.9** Unspecified other repair of stomach

**G38** Other open operations on stomach
- **G38.5** Incision of stomach not elsewhere classified *(Clean-contaminated)*
  Includes: Gastrotomy not elsewhere classified
- **G38.7** Removal of gastric band

**G40** Incision of pylorus *(Clean-contaminated)*
- **G40.1** Pyloromyotomy
- **G40.2** Repair of congenital atresia of pylorus
- **G40.3** Pyloroplasty not elsewhere classified
- **G40.4** Revision of pyloroplasty
- **G40.5** Closure of pyloroplasty
- **G40.6** Open dilation of pylorus
- **G40.8** Other specified incision of pylorus
- **G40.9** Unspecified incision of pylorus

**G41** Repair of perforation of pylorus
- **G41.2** Repair of perforation of pylorus *(Contaminated)*
Hip replacement

Replacement of the hip joint, including resurfacing of any part of the joint, revision of a previous replacement and conversion from a previous hemiarthroplasty or bone fixation. Excludes replacement of head of femur alone (see Repair of neck of femur).

The minimum wound class for hip replacement surgery is clean

W37  Total prosthetic replacement of hip joint using cement (Clean)
W37.1 Primary total prosthetic replacement of hip joint using cement
W37.2 Conversion to total prosthetic replacement of hip joint using cement
W37.3 Revision of total prosthetic replacement of hip joint using cement
W37.4 Revision of one component of total prosthetic replacement of hip joint using cement.
W37.8 Other specified total prosthetic replacement of hip joint using cement
W37.9 Unspecified total prosthetic replacement of hip joint using cement
W37.0 Conversion from previous cemented total prosthetic replacement of hip joint

W38  Total prosthetic replacement of hip joint not using cement (Clean)
W38.1 Primary total prosthetic replacement of hip joint not using cement
W38.2 Conversion to total prosthetic replacement of hip joint not using cement
W38.3 Revision of total prosthetic replacement of hip joint not using cement
W38.4 Revision of one component of total prosthetic replacement of hip joint not using cement
W38.8 Other specified total prosthetic replacement of hip joint not using cement
W38.9 Unspecified total prosthetic replacement of hip joint not using cement
W38.0 Conversion from previous uncemented total prosthetic replacement of hip joint

W39  Other total prosthetic replacement of hip joint (Clean)
W39.1 Primary total prosthetic replacement of hip joint not elsewhere classified
W39.2 Conversion to total prosthetic replacement of hip joint not elsewhere classified
W39.3 Revision of total prosthetic replacement of hip joint not elsewhere classified
W39.5 Revision of one component of total prosthetic replacement of hip joint not elsewhere classified
W39.8 Other specified other total prosthetic replacement of hip joint
W39.9 Unspecified other total prosthetic replacement of hip joint
W39.0 Conversion from previous total prosthetic replacement of hip joint not elsewhere classified

W93  Hybrid prosthetic replacement of hip joint using cemented acetabular component (Clean)
W93.1 Primary hybrid prosthetic replacement of hip joint using cemented acetabular component
W93.2 Conversion to hybrid prosthetic replacement of hip joint using cemented acetabular component
W93.3 Revision of hybrid prosthetic replacement of hip joint using cemented acetabular component
W93.8 Other specified
W93.9 Unspecified
W93.0 Conversion from previous hybrid prosthetic replacement of hip joint using cemented acetabular component.

W94  Hybrid prosthetic replacement of hip joint using cemented femoral component (Clean)
W94.1 Primary hybrid prosthetic replacement of hip joint using cemented femoral component
W94.2 Conversion to hybrid prosthetic replacement of hip joint using cemented femoral component.
W94.3 Revision of hybrid prosthetic replacement of hip joint using cemented femoral component.
W94.8 Other specified
W94.9 Unspecified
W94.0 Conversion from previous hybrid prosthetic replacement of hip joint using cemented femoral component.
The minimum wound class for hip replacement surgery is clean

W95  Hybrid prosthetic replacement of hip joint using cement (Clean)
     Includes:  Hybrid prosthetic replacement of hip joint NEC
W95.1 Primary hybrid prosthetic replacement of hip joint using cement NEC
W95.2 Conversion of hybrid prosthetic replacement of hip joint using cement NEC
W95.3 Revision of hybrid prosthetic replacement of hip joint using cement NEC
W95.4 Attention to hybrid prosthetic replacement of hip joint using cement NEC
W95.8 Other specified
W95.9 Unspecified
W95.0 Conversion from previous hybrid prosthetic replacement of hip joint using cement NEC

Resurfacing of hip joint

W58  Other reconstruction of joint (Clean)
     Exclude: Some similar operations for correction of congenital deformity (X19-X27)
W58.1 Primary resurfacing arthroplasty of joint
W58.2 Revision of resurfacing arthroplasty of joint
W58.8 Other Specified
W58.9 Unspecified
W58.0 Conversion from previous resurfacing arthroplasty of joint

Replacement of acetabulum

(Please note that those codes are also used for partial knee replacement procedures.)

W52  Prosthetic replacement of articulation of other bone using cement (Clean)
     Includes:  Prosthetic hemiarthroplasty of articulation of bone using cement not elsewhere classified
W52.1 Primary prosthetic replacement of articulation of bone using cement not elsewhere classified
W52.2 Conversions to prosthetic replacement of articulation of bone using cement not elsewhere classified
W52.3 Revision of prosthetic replacement of articulation of bone using cement not elsewhere classified
W52.8 Other specified
W52.9 Unspecified
W52.0 Conversion from previous cemented prosthetic replacement of articulation of bone not elsewhere classified

W53  Prosthetic replacement of articulation of other bone not using cement (Clean)
     Includes:  Prosthetic hemiarthroplasty of articulation of bone not using cement not elsewhere classified
W53.1 Primary prosthetic replacement of articulation of bone not using cement not elsewhere classified
W53.2 Conversions to prosthetic replacement of articulation of bone not using cement not elsewhere classified
W53.3 Revision of prosthetic replacement of articulation of bone not using cement not elsewhere classified
W53.8 Other specified
W53.9 Unspecified
W53.0 Conversion from previous uncemented prosthetic replacement of articulation of bone not elsewhere classified

W54  Other prosthetic replacement of other bone (Clean)
     Includes:  Prosthetic hemiarthroplasty of articulation of bone not elsewhere classified
W54.1 Primary prosthetic replacement of articulation of bone not elsewhere classified
W54.2 Conversion to prosthetic replacement of articulation of bone not elsewhere classified
W54.3 Revision of prosthetic replacement of articulation of bone not elsewhere classified
W54.8 Other specified
W54.9 Unspecified
W54.0 Conversion from previous prosthetic replacement of articulation of bone not elsewhere classified
Knee replacement

Replacement of all or part of knee joint (with or without patella resurfacing), including revision of a previous replacement. **Patella resurfacing and patella replacement are not included in the surveillance.**

The minimum wound class for knee replacement surgery is clean

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<tr>
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<td><strong>Total prosthetic replacement of knee joint using cement (Clean)</strong></td>
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<tr>
<td>W40.1</td>
<td>Primary total prosthetic replacement of knee joint using cement</td>
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<td>Conversion to total prosthetic replacement of knee joint using cement</td>
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<tr>
<td>W40.3</td>
<td>Revision of total prosthetic replacement of knee joint using cement</td>
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<td>W40.4</td>
<td>Revision of one component of total prosthetic replacement of knee joint using cement</td>
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<tr>
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<td>Revision of total prosthetic replacement of knee joint not using cement</td>
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<tr>
<td>W52.0</td>
<td>Conversion from previous cemented prosthetic replacement of articulation of bone not elsewhere classified</td>
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</table>
The minimum wound class for knee replacement surgery is clean

W53.9  Unspecified
W53.0  Conversion from previous uncemented prosthetic replacement of articulation of bone not elsewhere classified

W54  Other prosthetic replacement of other bone (Clean)

Includes: Prosthetic hemiarthroplasty of articulation of bone not elsewhere classified

W54.1  Primary prosthetic replacement of articulation of bone not elsewhere classified
W54.2  Conversion to prosthetic replacement of articulation of bone not elsewhere classified
W54.3  Revision of prosthetic replacement of articulation of bone not elsewhere classified
W54.8  Other specified
W54.9  Unspecified
W54.0  Conversion from previous prosthetic replacement of articulation of bone not elsewhere classified

Resurfacing of knee joint

W58  Other reconstruction of joint (Clean)

Exclude: Some similar operations for correction of congenital deformity (X19-X27)

W58.1  Primary resurfacing arthroplasty of joint
W58.2  Revision of resurfacing arthroplasty of joint
W58.8  Other specified other reconstruction of joint
W58.9  Unspecified other reconstruction of joint
W58.0  Conversion from previous resurfacing arthroplasty of joint
Large bowel surgery

Incision, excision or anastomosis of the large bowel, including procedures that involve anastomosis of small to large bowel.

**Note:** For emergency operations on unprepared bowel, or obstructed bowel, the minimum wound class is contaminated.

**Laparoscopic ‘assisted’ procedures**

These can be included in the surveillance using the following Y75 .codes as a secondary code to indicate the laparoscopic approach. For example, a laparoscopic assisted right hemicolectomy would be given a primary procedure code of H07.1 and a secondary code of Y75.1.

Y75.1 Laparoscopically assisted approach to the abdominal cavity.
Y75.2 Laparoscopic approach to the abdominal cavity not elsewhere classified.

Please see minimum wound class against each procedure

**Bypass of small bowel to large bowel**

*Includes: Bypass of small bowel by anastomosis of small bowel to large bowel*

- G51.4 Bypass of duodenum by anastomosis of duodenum to colon (Clean-contaminated)
- G58.3 Total jejunectomy and anastomosis of duodenum to colon*
- G58.5 Partial jejunectomy and anastomosis of duodenum to colon*
- G61.3 Bypass of jejunum by anastomosis of jejunum to colon (Clean-contaminated)
- G69.4 Ileectomy and anastomosis of ileum to colon (Clean-contaminated)
- G71.3 Bypass of ileum by anastomosis of ileum to caecum (Clean-contaminated)
- G71.4 Bypass of ileum by anastomosis of ileum to transverse colon (Clean-contaminated)
- G71.5 Bypass of ileum by anastomosis of ileum to colon not elsewhere classified (Clean-contaminated)

*Note:* Jejunectomy and anastomosis of duodenum to colon (G58.3, G58.5) are usually emergency operations for ischaemia. The minimum wound class is then contaminated.

**G72 Other connection of ileum (Clean-contaminated)**

*Includes: Anastomosis of small bowel to large bowel not elsewhere classified
Excludes: When associated with concurrent excision of ileum (G69.4)*

- G72.1 Anastomosis of ileum to caecum
- G72.2 Anastomosis of ileum to transverse colon
- G72.3 Anastomosis of ileum to colon not elsewhere classified
- G72.4 Anastomosis of ileum to rectum
- G72.5 Anastomosis of ileum to anus and creation of pouch however further qualified
- G72.8 Other specified
- G72.9 Unspecified

**H04 Total excision of colon and rectum (Clean-Contaminated)**

- H04.1 Panproctocolectomy and ileostomy
  *Includes: Proctocolectomy not elsewhere classified*
- H04.2 Panproctocolectomy and anastomosis of ileum to anus and creation of pouch however further qualified
- H04.3 Panproctocolectomy and anastomosis of ileum to anus not elsewhere classified
- H04.8 Other specified
- H04.9 Unspecified

**H05 Total excision of colon (Clean-Contaminated)**

- H05.1 Total colectomy and anastomosis of ileum to rectum
- H05.2 Total colectomy and ileostomy and creation of rectal fistula however further qualified
- H05.3 Total colectomy and ileostomy not elsewhere classified
- H05.8 Other specified
- H05.9 Unspecified
Please see minimum wound class against each procedure

H06 Extended excision of right hemicolon (Clean-Contaminated)
Includes: Excision of right colon and other segment of ileum or colon and surrounding tissue
H06.1 Extended right hemicolecction and end to end anastomosis
H06.2 Extended right hemicolecction and anastomosis of ileum to colon
H06.3 Extended right hemicolecction and anastomosis not elsewhere classified
H06.4 Extended right hemicolecction and ileostomy however further qualified
H06.8 Other specified
H06.9 Unspecified

H07 Other excision of right hemicolon (Clean-Contaminated)
Includes: Limited excision of caecum and terminal ileum caecum
H07.1 Right hemicolecction and end to end anastomosis of ileum to colon
Includes: Ileocaecal resection
H07.2 Right hemicolecction and side to side anastomosis of ileum to transverse colon
H07.3 Right hemicolecction and anastomosis not elsewhere classified
H07.4 Right hemicolecction and ileostomy however further qualified
H07.8 Other specified
H07.9 Unspecified

H08 Excision of transverse colon (Clean-Contaminated)
H08.1 Transverse colecction and end to end anastomosis
H08.2 Transverse colecction and anastomosis of ileum to colon
H08.3 Transverse colecction and anastomosis not elsewhere classified
H08.4 Transverse colecction and ileostomy however further qualified
H08.5 Transverse colecction and exteriorisation of bowel not elsewhere classified*
H08.8 Other specified
H08.9 Unspecified

*Note: Use secondary code for exteriorisation of caecum (H14) or other exteriorisation of colon (H15)

H09 Excision of left hemicolon (Clean-Contaminated)
H09.1 Left hemicolecction and end to end anastomosis of colon to rectum
H09.2 Left hemicolecction and end to end anastomosis of colon to colon
H09.3 Left hemicolecction and anastomosis not elsewhere classified
H09.4 Left hemicolecction and ileostomy however further qualified
H09.5 Left hemicolecction and exteriorisation of bowel not elsewhere classified*
H09.8 Other specified
H09.9 Unspecified

*Note: Use secondary code for exteriorisation of caecum (H14) or other exteriorisation of colon (H15)

H10 Excision of sigmoid colon (Clean-Contaminated)
H10.1 Sigmoid colecction and end to end anastomosis of ileum to rectum
H10.2 Sigmoid colecction and anastomosis of colon to rectum
H10.3 Sigmoid colecction and anastomosis not elsewhere classified
H10.4 Sigmoid colecction and ileostomy however further qualified
H10.5 Sigmoid colecction and exteriorisation of bowel not elsewhere classified*
H10.8 Other specified
H10.9 Unspecified

*Note: Use secondary code for exteriorisation of caecum (H14) or other exteriorisation of colon (H15)

H11 Other excision of colon (Clean-Contaminated)
Includes: Excision of colon where segment removed is not stated
H11.1 Colecction and end to end anastomosis of colon to colon not elsewhere classified
H11.2 Colecction and side to side anastomosis of ileum to colon not elsewhere classified
H11.3 Colecction and anastomosis not elsewhere classified
H11.4 Colecction and ileostomy not elsewhere classified
H11.5 Colecction and exteriorisation of bowel not elsewhere classified*
H11.8 Other specified
Please see minimum wound class against each procedure

H11.9  Unspecified
  *Includes: Colectomy or hemicolecction not elsewhere classified*

  *Note: Use secondary code for exteriorisation of caecum (H14) or other exteriorisation of colon (H15)*

H12  Exirpation of lesion of colon
  *Includes: Caecum*
  H12.1  Excision of diverticulum of colon *(Dirty)*
  H12.2  Excision of lesion of colon to not elsewhere classified
  H12.3  Destruction of lesion of colon not elsewhere classified
  H12.8  Other specified
  H12.9  Unspecified

H13  Bypass of colon *(Clean-Contaminated)*
  *Includes: Caecum*
  *Excludes: Bypass of colon when associated with excision of colon (H04-H11)*
  H13.1  Bypass of colon by anastomosis of ileum to colon
  H13.2  Bypass of colon by anastomosis of caecum to sigmoid colon
  H13.3  Bypass of colon by anastomosis of transverse colon to sigmoid colon
  H13.4  Bypass of colon by anastomosis of transverse colon to rectum
  H13.5  Bypass of colon by anastomosis of colon to rectum not elsewhere classified
  H13.8  Other specified
  H13.9  Unspecified

H14  Exteriorisation of caecum *(Contaminated)*
  H14.1  Tube caecostomy
  H14.2  Refashioning of caecostomy
  H14.3  Closure of caecostomy
  H14.8  Other specified
  H14.9  Unspecified
  *Includes: Caecostomy not elsewhere classified*

H15  Other exteriorisation of colon
  *Excludes: Dilatation of colostomy (H15.5)*
  H15.1  Loop colostomy *(Clean-Contaminated)*
  H15.2  End colostomy *(Clean-Contaminated)*
  H15.3  Refashioning of colostomy *(Contaminated)*
  H15.4  Closure of colostomy *(Contaminated)*
  H15.6  Reduction of prolapse of colostomy *(Clean-Contaminated)*
  H15.8  Other specified
  H15.9  Unspecified
  *Includes: colostomy not elsewhere classified*
Please see minimum wound class against each procedure

**H16** Incision of colon *(Clean contaminated)*
- Includes: Caecum

**H16.1** Drainage of colon
- Includes: Drainage of pericolonic tissue

**H16.2** Caecotomy

**H16.3** Colotomy

**H16.8** Other specified

**H16.9** Unspecified

**H29** Subtotal excision of colon and rectum *(Clean contaminated)*
- Subtotal excision of colon and rectum and creation of colonic pouch and anastomosis of colon to anus
- Subtotal excision of colon and rectum and creation of colonic pouch NEC
- Subtotal excision of colon and creation of colonic pouch and anastomosis of colon to rectum.
- Subtotal excision of colon and creation of colonic pouch NEC
- Other specified subtotal excision of colon
- Unspecified subtotal excision of colon

**H33** Excision of rectum *(Clean contaminated)*
- Includes: Excision of whole or part of rectum with or without part of sigmoid colon

**H33.1** Abdominoperineal excision of rectum and end colostomy

**H33.2** Proctectomy and anastomosis of colon to anus

**H33.3** Anterior resection of rectum and anastomosis of colon to rectum using staples
- Includes: Rectosigmoidectomy and anastomosis of colon to rectum

**H33.4** Anterior resection of rectum and anastomosis not elsewhere classified

**H33.5** Rectosigmoidectomy and closure of rectal stump and exteriorisation of bowel*

**H33.6** Anterior resection of rectum and exteriorisation of bowel*

**H33.7** Perineal resection of rectum HFQ

**H33.8** Other specified

**H33.9** Unspecified
- Includes: Rectosigmoidectomy not elsewhere classified

*Note: Use secondary code for creation of artificial opening into ileum (G74); exteriorisation of caecum (H14) or other exteriorisation of colon (H15)
Limb amputation

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>X07</td>
<td>Amputation of arm <em>(See note above)</em></td>
</tr>
<tr>
<td>X07.1</td>
<td>Forequarter amputation</td>
</tr>
<tr>
<td>X07.2</td>
<td>Disarticulation of shoulder</td>
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<tr>
<td>X07.3</td>
<td>Amputation of arm above elbow</td>
</tr>
<tr>
<td>X07.4</td>
<td>Amputation of arm through elbow</td>
</tr>
<tr>
<td>X07.5</td>
<td>Amputation of arm through forearm</td>
</tr>
<tr>
<td>X07.8</td>
<td>Other specified</td>
</tr>
<tr>
<td>X07.9</td>
<td>Unspecified</td>
</tr>
<tr>
<td>X08</td>
<td>Amputation of hand <em>(See note above)</em></td>
</tr>
<tr>
<td>X08.1</td>
<td>Amputation of hand at wrist</td>
</tr>
</tbody>
</table>
| X08.2| Amputation of thumb  
*Excludes: Amputation of duplicate thumb (X21.5)* |
| X08.3| Amputation of phalanx of finger |
| X08.4| Amputation of finger not elsewhere classified  
*Excludes: Amputation of supernumerary finger (X21.6)* |
| X08.8| Other specified |
| X08.9| Unspecified |
| X09  | Amputation of leg *(See note above)* |
| X09.1| Hindquarter amputation |
| X09.2| Disarticulation of hip |
| X09.3| Amputation of leg above knee |
| X09.4| Amputation of leg through knee |
| X09.5| Amputation of leg below knee |
| X09.8| Other specified |
| X09.9| Unspecified |
| X10  | Amputation of foot *(See note above)* |
| X10.1| Amputation of foot through ankle |
| X10.2| Disarticulation of tarsal bones |
| X10.3| Disarticulation of metatarsal bones |
| X10.4| Amputation through metatarsal bones |
| X10.8| Other specified |
| X10.9| Unspecified |
| X11  | Amputation of toe *(See note above)* |
| X11.1| Amputation of great toe |
| X11.2| Amputation of phalanx of toe |
| X11.8| Other specified |
| X11.9| Unspecified  
*Includes: Disarticulation of toe* |

**Note:** Amputations where the limb is ischaemic, or where dry gangrene is present should be classified as clean. Amputations through, or adjacent to, an area of acute inflammation (without pus or ulceration) should be classified as contaminated. Amputations adjacent to, or through necrotic ulcers and/or purulent areas should be classified as dirty.
Reduction of long bone fracture
(humerus, ulna, radius, femur, tibia and fibula)

Includes open or closed reduction of fracture of long bones requiring intramedullary or extramedullary fixation where an incision is made to establish fixation. Excludes: external fixation, hip replacement following fracture, fracture of the neck of femur or open reduction of small bones or intraarticular fracture.

Note: If the fracture is open and the operation is performed within the first 10 hours, the minimum wound class is contaminated. If the operation is performed after 10 hours, the minimum wound class is dirty.

The minimum wound class for reduction of long bone surgery is clean.

**W19 Primary open reduction of fracture of bone and intramedullary fixation** *(Clean)*

*Includes:* Open reduction of fracture of bone and intramedullary fixation not elsewhere classified

*Excludes:* Fracture dislocation

Primary open reduction of fracture of small bone and fixation using screw (W19.4)

**W19.2**
Primary open reduction of fracture of long bone and fixation using rigid nail (reamed and locked) not elsewhere classified

**W19.3**
Primary open reduction of fracture of long bone and fixation using flexible nail (unreamed and locked)

**W19.5**
Primary open reduction of fragment of bone and fixation using screw

**W19.6**
Primary open reduction of fragment of bone and fixation using wire system

**W19.8**
Other specified

**W19.9**
Unspecified

**W20 Primary open reduction of fracture of bone and extramedullary fixation** *(Clean)*

*Includes:* Primary open reduction of fracture of bone and fixation not elsewhere classified

Open reduction of fracture of bone and extramedullary fixation not elsewhere classified

Open reduction of fracture of bone and fixation not elsewhere classified

*Excludes:* Fracture dislocation (W65)

Wiring of sternum (W20.6)

**W20.1**
Primary open reduction of fracture of long bone and extramedullary fixation using plate not elsewhere classified

**W20.2**
Primary open reduction of fracture of long bone and extramedullary fixation using circlage

**W20.3**
Primary open reduction of fracture of long bone and extramedullary fixation using suture

**W20.4**
Primary open reduction of fracture of long bone and extramedullary fixation not elsewhere classified

**W20.5**
Primary open reduction of fracture of ankle and extramedullary fixation not elsewhere classified

**W20.8**
Other specified

**W20.9**
Unspecified primary open reduction of fracture of bone and extramedullary fixation

**W22 Other primary reduction of fracture of bone** *(Clean)*

*Includes:* Open reduction of fracture of bone not elsewhere classified

*Excludes:* Fracture dislocation (W65)

**W22.1**
Primary open reduction of fracture of bone and skeletal traction HFQ

**W22.2**
Primary open reduction of fracture of bone and external fixation HFQ

**W22.8**
Other specified

**W22.9**
Unspecified

HFQ – however further qualified
The minimum wound class for reduction of long bone surgery is clean

W23  Secondary open reduction of fracture of bone *(Clean)*
     *Excludes: Secondary open reduction of intraarticular fracture of bone (W23.3)*
W23.1 Secondary open reduction of fracture of bone and intramedullary fixation HFQ
W23.2 Secondary open reduction of fracture of bone and extramedullary fixation HFQ
W23.4 Secondary open reduction of fracture of bone and skeletal traction HFQ
W23.5 Secondary open reduction of fracture of bone and external fixation HFQ
W23.6 Secondary open reduction of fracture of bone and internal fixation HFQ
W23.8 Other specified
W23.9 Unspecified

W24  Closed reduction of fracture of bone and internal fixation *(Clean)*
W24.2 Closed reduction of fracture of long bone and rigid internal fixation NEC
W24.3 Closed reduction of fracture of long bone and flexible internal fixation HFQ
W24.5 Closed reduction of fragment of bone and fixation using screw
     *HFQ – however further qualified*
Repair of neck of femur

Includes hemiarthroplasty i.e. replacement of the head of femur only, including revision of a previous hemiarthroplasty (but excluding conversion to total joint replacement) and reduction of fracture of the neck of femur using pin and plate, dynamic hip screw or cannulated screw.

The minimum wound class for repair of neck of femur surgery is clean

W46 Prosthetic replacement of head of femur using cement (Clean)
Includes: Prosthetic hemiarthroplasty of head of femur using cement
W46.1 Primary prosthetic replacement of head of femur using cement
W46.2 Conversion to prosthetic replacement of head of femur using cement
W46.3 Revision of prosthetic replacement of head of femur using cement
W46.8 Other specified
W46.9 Unspecified
W46.0 Conversion from previous cemented prosthetic replacement of head of femur

W47 Prosthetic replacement of head of femur not using cement (Clean)
Includes: Prosthetic hemiarthroplasty of head of femur not using cement
W47.1 Primary prosthetic replacement of head of femur not using cement
W47.2 Conversion to prosthetic replacement of head of femur not using cement
W47.3 Revision of prosthetic replacement of head of femur not using cement
W47.8 Other specified
W47.9 Unspecified
W47.0 Conversion from previous uncemented prosthetic replacement of head of femur

W48 Other prosthetic replacement of head of femur (Clean)
Includes: Prosthetic hemiarthroplasty of head of femur not elsewhere classified
W48.1 Primary prosthetic replacement of head of femur not elsewhere classified
W48.2 Conversion to prosthetic replacement of head of femur not elsewhere classified
W48.3 Revision of prosthetic replacement of head of femur not elsewhere classified
W48.8 Other specified
W48.9 Unspecified
W48.0 Conversion from previous prosthetic replacement of head of femur not elsewhere classified

W19 Reduction of fracture of the neck of femur (Clean)
W19.1 Primary open reduction of fracture of neck of femur and open fixation using pin and plate
Includes: Primary open reduction of fracture of neck of femur and open fixation using dynamic hip screw
W24.1 Closed reduction of intracapsular fracture of the neck of femur and fixation using nail or screw
Small bowel surgery

Incision, excision or anastomosis of small intestine, excluding procedures which involve anastomosis of small to large bowel.

Laparoscopic ‘assisted’ procedures

These can be included in the surveillance using the following Y75 codes as a secondary code to indicate the laparoscopic approach. For example, a laparoscopic assisted closure of perforated ulcer of duodenum would be given a primary procedure code of G52.1 and a secondary code of Y75.1.

Y75.1 Laparoscopically assisted approach to the abdominal cavity
Y75.2 Laparoscopic approach to the abdominal cavity not elsewhere classified.

Please see minimum wound class against each procedure

G49 Excision of duodenum (Clean-Contaminated)
   Excludes: Pancreatichoduodenectomy (J56)
   G49.1 Gastroduodenectomy
   G49.2 Total excision of duodenum
   G49.3 Partial excision of duodenum
   G49.8 Other specified
   G49.9 Unspecified
   Includes: Duodenectomy not elsewhere classified

G50 Open extirpation of lesion of duodenum (Clean-Contaminated)
   G50.1 Excision of lesion of duodenum
   G50.2 Open destruction of lesion of duodenum
   G50.8 Other specified
   G50.9 Unspecified

G51 Bypass of duodenum (Clean-Contaminated)
   Excludes: Bypass of duodenum by anastomosis of duodenum to colon (G51.4)
   G51.1 Bypass of duodenum by anastomosis of stomach to jejunum
   G51.2 Bypass of duodenum by anastomosis of duodenum to duodenum
   G51.3 Bypass of duodenum by anastomosis of duodenum to jejunum
   G51.8 Other specified
   G51.9 Unspecified

G52 Operations on ulcer of duodenum
   G52.1 Closure of perforated ulcer of duodenum (Contaminated)
   G52.2 Suture of ulcer of duodenum not elsewhere classified (Clean-Contaminated)
   G52.3 Oversew of blood vessel of duodenal ulcer
   G52.8 Other specified
   G52.9 Unspecified

G53 Other open operations on duodenum
   Excludes: Open biopsy of lesion of duodenum (G53.1)
   Open insertion of tubal prosthesis into duodenum (G53.4)
   Correction of malrotation of duodenum (G53.6)
   G53.2 Closure of perforation of duodenum not elsewhere classified (Contaminated)
   G53.3 Open removal of foreign body, from duodenum (Clean-Contaminated)
   G53.5 Incision of duodenum not elsewhere classified
   Includes: Duodenotomy not elsewhere classified (Clean-Contaminated)

G58 Excision of jejunum* (Clean-Contaminated)
   Excludes: Total jejunectomy and anastomosis of duodenum to colon (G58.3)
   Partial jejunectomy and anastomosis of duodenum to colon (G58.5)
   G58.1 Total jejunectomy and anastomosis of stomach to ileum
   G58.2 Total jejunectomy and anastomosis of duodenum to ileum
   G58.4 Partial jejunectomy and anastomosis of jejunum to ileum
   Includes: Jejunectomy and anastomosis of jejunum to jejunum
Please see minimum wound class against each procedure

G58.8 Other specified
G58.9 Unspecified
*Includes: Jejunectomy not elsewhere classified

*Note: Usually emergency operation for ischaemia. The minimum wound class is then contaminated

G59 Exirpation of lesion of jejunum (Clean-Contaminated)
G59.1 Excision of lesion of jejunum
G59.2 Open destruction of lesion of jejunum
G59.8 Other specified
G59.9 Unspecified

G60 Artificial opening into jejunum
G60.1 Creation of jejunostomy (Clean-Contaminated)
G60.2 Refashioning of jejunostomy (Contaminated)
G60.3 Closure of jejunostomy (Contaminated)
G60.8 Other specified
G60.9 Unspecified

G61 Bypass of jejunum (Clean-Contaminated)
Excludes: Bypass of jejunum by anastomosis of jejunum to colon (G61.3)
G61.1 Bypass of jejunum by anastomosis of jejunum to jejunum
G61.2 Bypass of jejunum by anastomosis of jejunum to ileum
G61.8 Other specified
G61.9 Other unspecified

G63 Other open operations on jejunum (Clean-Contaminated)
Excludes: Open biopsy of lesion of jejunum (G63.1)
Open intubation of jejunum (G63.4)
G63.2 Incision of jejunum (Clean-Contaminated)
G63.3 Closure of perforation of jejunum (Contaminated)

G68.1 Allotransplantation of ileum (Clean-Contaminated)
G68.8 Other specified transplantation of ileum
G68.9 Unspecified transplantation of ileum

G69 Excision of ileum (Clean-Contaminated)
Includes: Small intestine not elsewhere classified
Excludes: Ileectomy and anastomosis of ileum to colon (G69.4)
G69.1 Ileectomy and anastomosis of stomach to ileum
G69.2 Ileectomy and anastomosis of duodenum to ileum
G69.3 Ileectomy and anastomosis of ileum to ileum
G69.8 Other specified
G69.9 Unspecified
*Includes: Ileectomy not elsewhere classified

G70 Open extirpation of lesion of ileum (Clean-Contaminated)
Includes: Small intestine not elsewhere classified
G70.1 Excision of meckel diverticulum
G70.2 Excision of lesion of ileum not elsewhere classified
G70.3 Open destruction of lesion of ileum
G70.8 Other specified
G70.9 Unspecified
Please see minimum wound class against each procedure

G71  **Bypass of ileum (Clean-Contaminated)**

*Includes:* Small intestine not elsewhere classified
*Excludes:* Bypass of ileum by anastomosis of ileum to caecum (G71.3)
Bypass of ileum by anastomosis of ileum to transverse colon (G71.4)
**Bypass** of ileum by anastomosis of ileum to colon not elsewhere classified (G71.5)

G71.1 Bypass of ileum by anastomosis of jejunum to ileum
G71.2 Bypass of ileum by anastomosis of ileum to ileum
G71.6 Duodenal switch
G71.8 Other specified
G71.9 Unspecified

G73  **Attention to connection of ileum (Clean-Contaminated)**

*Includes:* Small intestine not elsewhere classified

G73.1 Revision of anastomosis of ileum
G73.2 Closure of anastomosis of ileum
G73.3 Resection of ileostomy
G73.4 Resection of ileo-colic anastomosis
G73.8 Other specified
G73.9 Unspecified

G74  **Creation of artificial opening into ileum (Clean-Contaminated)**

*Includes:* Small intestine not elsewhere classified

G74.1 Creation of continent ileostomy
G74.2 Creation of temporary ileostomy
G74.3 Creation of defunctioning ileostomy
*Includes:* Creation of split ileostomy
G74.8 Other specified
G74.9 Unspecified

G75  **Attention to artificial opening into ileum (Clean-Contaminated)**

*Includes:* Small intestine not elsewhere classified
*Excludes:* Dilation of ileostomy (G75.4)

G75.1 Refashioning of ileostomy (Contaminated)
G75.2 Repair of prolapse of ileostomy (Clean-Contaminated)
G75.3 Closure of ileostomy (Contaminated)
G75.8 Other specified (Clean-Contaminated)
G75.9 Unspecified (Clean-Contaminated)

G78  **Other open operations on ileum (Clean-Contaminated)**

*Includes:* Small intestine not elsewhere classified
*Excludes:* Open biopsy of lesion of ileum (G78.1)
Open intubation of ileum (G78.6)

G78.2 Strictureplasty of ileum (Clean-Contaminated)
G78.3 Removal of foreign body from ileum (Clean-Contaminated)
G78.4 Closure of perforation of ileum (Contaminated)
G78.5 Exclusion of segment of ileum (Clean-Contaminated)
G78.8 Other specified (Clean-Contaminated)
G78.9 Unspecified (Clean-Contaminated)
The minimum wound class for spinal surgery is clean

V22  Primary decompression operations on cervical spine. *(Clean)*

*Includes: decompression operations on cervical spine NEC*

V22.1 Primary anterior decompression of cervical spinal cord and fusion of cervical spine

V22.2 Primary anterior decompression of cervical spinal cord NEC

V22.3 Primary foraminotomy of cervical spine

V22.4 Primary anterior corpectomy of cervical spine with reconstruction HFQ

V22.5 Primary decompression of posterior fossa and upper cervical spinal cord and instrumentation

V22.6 Primary decompression of posterior fossa and upper cervical spinal cord NEC

V22.7 Primary laminoplasty of cervical spine

V22.8 Other specified

V22.9 Unspecified

V23  Revisional decompression operations on cervical spine *(Clean)*

V23.1 Revisional anterior decompression of cervical spinal cord and fusion of cervical spine

V23.2 Revisional anterior decompression of cervical spinal cord NEC

V23.3 Revisional foraminotomy of cervical spine.

V23.4 Revisional anterior corpectomy of cervical spine with reconstruction HFQ

V23.5 Revisional decompression of posterior fossa and upper cervical spinal cord and instrumentation

V23.6 Revisional decompression of posterior fossa and upper cervical spinal cord NEC

V23.7 Revisional laminoplasty of cervical spine

V23.8 Other specified

V23.9 Unspecified

V24  Primary decompression operations on thoracic spine. *(Clean)*

V24.1 Primary decompression of thoracic spinal cord and fusion of thoracic spine

*Includes: Decompression of thoracic spinal cord and fusion of joint of thoracic spine*

V24.2 Primary decompression of thoracic spinal cord NEC

*Includes: Decompression of thoracic spinal cord NEC*

V24.3 Revisional decompression of thoracic spinal cord NEC

V24.4 Primary anterior corpectomy of thoracic spine with reconstruction HFQ

*Includes: Anterior corpectomy of thoracic spinal cord and reconstruction HFQ*

V24.5 Revisional anterior corpectomy of thoracic spine and reconstruction HFQ

V24.8 Other specified

V24.9 Unspecified

V25  Primary decompression operations on lumbar spine *(Clean)*

V25.1 Primary extended decompression of lumbar spinal cord and intertransverse fusion of joint of lumbar spine

V25.2 Primary extended decompression of lumbar spinal cord NEC

V25.3 Primary posterior decompression of lumbar spinal cord and intertransverse fusion of joint of lumbar spine.

V25.4 Primary posterior laminectomy decompression of lumbar spinal cord.

V25.5 Primary posterior decompression of lumbar spinal cord NEC

V25.6 Primary lateral foraminotomy of lumbar spine

V25.7 Revisional anterior corpectomy of lumbar spine and reconstruction HFQ

V25.8 Other specified

V25.9 Unspecified
The minimum wound class for spinal surgery is clean

**V26** Revisional decompression operations on lumbar spine *(Clean)*

*Excludes: revisional insertion of lumbar interspinous process spacer (V28.2)*

- **V26.1** Revisional extended decompression of lumbar spinal cord and intertransverse fusion of joint of lumbar spine
- **V26.2** Revisional extended decompression of lumbar spinal cord NEC
- **V26.3** Revisional posterior decompression of lumbar spinal cord and intertransverse fusion of joint of lumbar spine.
- **V26.4** Revisional posterior laminectomy decompression of lumbar spinal cord.
- **V26.5** Revisional posterior decompression of lumbar spinal cord NEC
- **V26.6** Revisional lateral foraminotomy of lumbar spine
- **V26.8** Other specified
- **V26.9** Unspecified

**V27** Decompression operations on unspecified spine *(Clean)*

- **V27.1** Primary decompression of spinal cord and fusion of joint of spine NEC
  *Includes: decompression of spinal cord and fusion of joint of spine NEC*
- **V27.2** Primary decompression of spinal cord. NEC
  *Includes: Decompression of spinal cord NEC.*
- **V27.3** Revisional decompression of spinal cord NEC
- **V27.8** Other specified
- **V27.9** Unspecified

**V29** Primary excision of cervical intervertebral disc *(Clean)*

*Includes: Excision of cervical intervertebral disc NEC.*

- **V29.1** Primary laminectomy excision of cervical intervertebral disc
- **V29.2** Primary hemilaminectomy excision of intervertebral disc
- **V29.3** Primary fenestration excision of cervical intervertebral disc.
- **V29.4** Primary anterior excision of cervical intervertebral disc and interbody fusion of joint of cervical spine
- **V29.5** Primary anterior excision of cervical intervertebral disc NEC
- **V29.6** Primary microdectomy of cervical intervertebral disc
- **V29.8** Other specified
- **V29.9** Unspecified

**V30** Revisional excision of cervical intervertebral disc *(Clean)*

- **V30.1** Revisional laminectomy excision of cervical intervertebral disc
- **V30.2** Revisional hemilaminectomy excision of intervertebral disc
- **V30.3** Revisional fenestration excision of cervical intervertebral disc.
- **V30.4** Revisional anterior excision of cervical intervertebral disc and interbody fusion of joint of cervical spine
- **V30.5** Revisional anterior excision of cervical intervertebral disc NEC
- **V30.6** Revisional microdectomy of cervical intervertebral disc
- **V30.8** Other specified
- **V30.9** Unspecified

**V31** Primary excision of thoracic intervertebral disc *(Clean)*

*Includes: Excision of thoracic intervertebral disc NEC.*

- **V31.1** Primary anteriolateral excision of thoracic intervertebral disc and graft HFQ
- **V31.2** Primary anteriolateral excision of thoracic intervertebral disc NEC
- **V31.3** Primary costotransversectomy of thoracic intervertebral disc
- **V31.8** Other specified
- **V31.9** Unspecified

**V32** Revisional excision of thoracic intervertebral disc *(Clean)*

- **V32.1** Revisional anteriolateral excision of thoracic intervertebral disc and graft HFQ
- **V32.2** Revisional anteriolateral excision of thoracic intervertebral disc NEC
- **V32.3** Revisional costotransversectomy of thoracic intervertebral disc
- **V32.8** Other specified
- **V32.9** Unspecified

**V33** Primary excision of lumbar intervertebral disc *(Clean)*

*Includes: Excision of lumbar intervertebral disc NEC.*

- **V33.1** Primary laminectomy excision of lumbar intervertebral disc
The minimum wound class for spinal surgery is clean

V33.2 Primary fenestration excision of lumbar intervertebral disc
V33.3 Primary anterior excision of lumbar intervertebral disc and interbody fusion of joint of lumbar spine
V33.4 Primary anterior excision of lumbar intervertebral disc NEC
V33.5 Primary anterior excision of lumbar intervertebral disc and posterior graft fusion of joint of lumbar spine
V33.6 Primary anterior excision of lumbar intervertebral disc and posterior instrumentation of lumbar spine
V33.7 Primary microdiscectomy of lumbar intervertebral disc
V33.8 Other specified
   Includes: Primary posterior excision of lumbar intervertebral disc
V33.9 Unspecified

V34 Revisional excision of lumbar intervertebral disc (Clean)
V34.1 Revisional laminectomy excision of lumbar intervertebral disc
V34.2 Revisional fenestration excision of lumbar intervertebral disc
V34.3 Revisional anterior excision of lumbar intervertebral disc and interbody fusion of joint of lumbar spine
V34.4 Revisional anterior excision of lumbar intervertebral disc NEC
V34.5 Revisional anterior excision of lumbar intervertebral disc and posterior graft fusion of joint of lumbar spine
V34.6 Revisional anterior excision of lumbar intervertebral disc and posterior instrumentation of lumbar spine
V34.7 Revisional microdiscectomy of lumbar intervertebral disc
V34.8 Other specified
   Includes: Primary posterior excision of lumbar intervertebral disc
V34.9 Unspecified

V35 Excision of unspecified intervertebral disc (Clean)
V35.1 Primary excision of intervertebral disc NEC
V35.2 Revisional excision of intervertebral disc NEC
V35.8 Other specified
V35.9 Unspecified

V36 Prosthetic replacement of intervertebral disc (Clean)
Note: Use an additional code to specify levels of spine (V55)
V36.1 Prosthetic replacement of cervical intervertebral disc
V36.2 Prosthetic replacement of thoracic intervertebral disc
V36.3 Prosthetic replacement of lumbar intervertebral disc
V36.8 Other specified
V36.9 Unspecified

V37 Primary fusion of joint of cervical spine (Clean)
   Includes: Fusion of joint of cervical spine NEC
   Fusion of joint of cervical spine for stabilisation
   Fusion of joint of cervical spine using cable wire fixation
V37.1 Posterior fusion of atlantoaxial joint NEC
V37.2 Posterior fusion of joint of cervical spine NEC
V37.4 Fusion of atlantooccipital joint
V37.5 Posterior fusion of atlantoaxial joint using transarticular screw
V37.6 Posterior fusion of atlantoaxial joint using pedicle screw
V37.7 Fusion of occipitocervical NEC junction
V37.8 Other specified
V37.9 Unspecified

V38 Primary fusion of other joint of spine (Clean)
   Includes: Fusion of joint of spine NEC
   Unspecified spine
   Fusion of joint of spine for stabilisation
V38.1 Primary fusion of joint of thoracic spine
V38.2 Primary posterior interlaminar fusion of joint of lumbar spine
The minimum wound class for spinal surgery is clean

V38.3 Primary posterior fusion of joint of lumbar spine NEC
   *Includes: Primary posterior interspinous fusion of lumbar spine.*
V38.4 Primary intertransverse fusion of joint of lumbar spine NEC
V38.5 Primary posterior interbody fusion of joint of lumbar spine
V38.6 Primary transformaminal interbody fusion of joint of lumbar spine
V38.8 Other specified
V38.9 Unspecified

V39 **Revisional fusion of other joint of spine (Clean)**
   *Includes: Revisional fusion of joint of spine for stabilisation*
V39.1 Revisional fusion of joint of cervical spine NEC
V39.2 Revisional fusion of joint of thoracic spine
V39.3 Revisional posterior interlaminar fusion of joint of lumbar spine
V39.4 Revisional posterior fusion of joint of lumbar spine NEC
   *Includes: revisional posterior interspinous fusion of lumbar spine.*
V39.5 Revisional intertransverse fusion of joint of lumbar spine NEC
V39.6 Revisional posterior interbody fusion of joint of lumbar spine
V39.7 Revisional transformaminal interbody fusion of joint of lumbar spine
V39.8 Other specified
V39.9 Unspecified

V40 **Stabilisation of spine (Clean)**
   *Excludes: Fusion of spine for stabilisation (V37-V39)*
   *Note:* Use subsidiary code to specify levels of spine (V55)
V40.1 Non-rigid stabilisation of spine
   *Note:* Excludes: Fusion of spine for stabilisation (V37–V39)
V40.2 Posterior instrumented fusion of cervical spine NEC
V40.3 Posterior instrumented fusion of thoracic spine NEC
V40.4 Posterior instrumented fusion of lumbar spine NEC
V40.5 Removal of instrumentation from spine
V40.8 Other specified
V40.9 Unspecified

V41 **Instrumental correction of deformity of spine (Clean)**
   *Only to be assigned for instrumented correction of spinal deformities, such as kyphosis and scoliosis and must not be used for instrumented spinal fusion which can be found at category V40 stabilisation of spine.*
   *Excludes: Implantation of vertical expanding prosthetic titanium rib (O09.1 (W))*
   *Note:* Use an additional code to specify levels of spine (V55)
V41.1 Posterior attachment of correctional instrument to spine
V41.2 Anterior attachment of correctional instrument to spine
V41.3 Removal of correctional instrument to spine
V41.4 Anterior and posterior attachment of correctional instrument to spine
V41.8 Other specified
V41.9 Unspecified

V42 **Other correction of deformity of spine (Clean)**
   *Note:* Use subsidiary code to specify levels of spine (V55)
V42.1 Excision of rib hump
V42.2 Epiphysiodesis of spinal apophyseal joint for correction of deformity
V42.3 Anteriolateral release of spine for correction of deformity and graft HFQ
V42.4 Anterior and posterior epiphysiodesis of spine for correction of deformity
V42.5 Anterior epiphysiodesis of spine for correction of deformity NEC
V42.6 Posterior epiphysiodesis of spine for correction of deformity NEC
V42.8 Other specified
V42.9 Unspecified

V43 **Extirpation of lesion of spine (Clean)**
   *Note:* Use subsidiary code to specify levels of spine (V55)
V43.1 Excision of lesion of cervical vertebra
V43.2 Excision of lesion of thoracic vertebra
V43.3 Excision of lesion of Lumbar vertebra
V43.8 Other specified
V43.9 Unspecified
V44 **Decompression of fracture of spine (Clean)**

*Note:* Use subsidiary code to specify levels of spine (V55)

- V44.1 Complex decompression of fracture of spine
- V44.2 Anterior decompression of fracture of spine
- V44.3 Posterior decompression of fracture of spine
- V44.4 Vertebroplasty of fracture of spine
  
  *Includes: Kyphoplasty of fracture of spine*
- V44.8 Other specified
- V44.9 Unspecified

V45 **Other reduction of fracture of spine (Clean)**

*Note:* Use subsidiary code to specify levels of spine (V55)

- V45.1 Open reduction of fracture of spine and excision of facet of spine
- V45.2 Open reduction of fracture of spine NEC

V46 **Fixation of fracture of spine (Clean)**

*Note:* Use subsidiary code to specify levels of spine (V55)

- V46.1 Fixation of fracture of spine using plate
- V46.2 Fixation of fracture of spine using Harrington rod
- V46.3 Fixation of fracture of spine using wire
- V46.4 Fixation of fracture of spine and skull traction HFQ
- V46.5 Removal of fixation device from spine
- V46.8 Other specified
- V46.9 Unspecified

V49 **Exploration of spine (Clean)**

*Note:* Do not use as approach code (Y48-50)

Use subsidiary code to specify levels of spine (V55)

- V49.1 Exploratory cervical laminectomy
- V49.2 Exploratory thoracic laminectomy
- V49.3 Exploratory lumbar laminectomy
- V49.4 Exploratory laminectomy NEC
- V49.5 Transthoracic exploration of spine
- V49.6 Transperitoneal exploration of spine
- V49.8 Other specified
- V49.9 Unspecified

V54 **Other operations on spine (Clean)**

- V54.1 Transoral excision of odontoid process of axis
- V54.2 Graft of bone to spine NEC
- V54.3 Osteotomy of spine NEC
- V54.8 Other specified other operations on spine
- V54.9 Unspecified other operations on spine

V55 **Levels of spine**

These codes are not intended as primary codes. They represent the number of levels operated upon not the anatomical region of the spine.

- V55.1 One level of spine
- V55.2 Two levels of spine
- V55.3 Greater than two levels of spine
- V55.8 Other specified
- V55.9 Unspecified

V66 **Other revisional fusion of joint of spine (Clean)**

*Includes: Revisional fusion of joint of spine for stabilisation*

*Note:* Principal V39 Use an additional code to specify levels of spine (V55)

- V66.1 Revisional fusion of occipitocervical junction
- V66.2 Revisional posterior fusion of atlantoaxial joint using transarticular screw
- V66.3 Revisional posterior fusion of atlantoaxial joint using pedicle screw
- V66.4 Revisional posterior fusion of atlantoaxial joint NEC
- V66.8 Other specified
- V66.9 Unspecified

V67 **Other primary decompression operations on lumbar spine (Clean)**

- V67.1 Primary posterior lumbar medial facetectomy
- V67.2 Primary hemilaminectomy decompression of lumbar spine
- V67.8 Other specified
V67.9  Unspecified
V68  Other revisional decompression operations on lumbar spine *(Clean)*
V68.1  Revisional posterior lumbar medial facetectomy
V68.2  Revisional hemilaminectomy decompression of lumbar spine
V68.8  Other specified
V68.9  Unspecified

**Vascular surgery**

Operative procedure involving arteries or veins includes aortic aneurysm repair, vascular grafts, and carotid, iliac, femoral or popliteal artery operations. *Excludes varicose vein repair, creation of arterial shunts, coronary artery bypass graft, or any procedures involving the pulmonary artery.*

**Note:**

In categories **L16 to L21, L48 to L54 and L56-L65** reference to iliac artery *(not further qualified)* should be understood to include:

- common iliac artery
- external iliac artery
- internal iliac artery

Similarly reference to femoral artery includes:

- common femoral artery
- deep femoral artery
- superficial femoral artery

The minimum wound class for vascular surgery is clean

**L16  Extraanatomic bypass of aorta *(Clean)***

L16.1  Emergency bypass of aorta by anastomosis of axillary artery to femoral artery
L16.2  Bypass of aorta by anastomosis of axillary artery to femoral artery not elsewhere classified
L16.3  Bypass of aorta by anastomosis of axillary artery to bilateral femoral arteries
L16.8  Other specified
L16.9  Unspecified

**L18  Emergency replacement of aneurysmal segment of aorta *(Clean)***

*Includes: Emergency replacement of aneurysmal segment of aorta using prosthesis*

L18.1  Emergency replacement of aneurysmal segment of ascending aorta by anastomosis of aorta to aorta
L18.2  Emergency replacement of aneurysmal segment of thoracic aorta by anastomosis of aorta to aorta not elsewhere classified
L18.3  Emergency replacement of aneurysmal segment of suprarenal abdominal aorta by anastomosis of aorta to aorta
L18.4  Emergency replacement of aneurysmal segment of infrarenal abdominal aorta by anastomosis of aorta to aorta
L18.5  Emergency replacement of aneurysmal segment of abdominal aorta by anastomosis of aorta to aorta not elsewhere classified
L18.6  Emergency replacement of aneurysmal bifurcation of aorta by anastomosis of aorta to iliac artery
L18.8  Other specified
L18.9  Unspecified

**L19  Other replacement of aneurysmal segment of aorta *(Clean)***

*Includes: Replacement of aneurysmal segment of aorta using prosthesis not elsewhere classified*

L19.1  Replacement of aneurysmal segment of ascending aorta by anastomosis of aorta to aorta not elsewhere classified
L19.2  Replacement of aneurysmal segment of thoracic aorta by anastomosis of aorta to aorta not elsewhere classified
L19.3  Replacement of aneurysmal segment of suprarenal abdominal aorta by anastomosis of aorta to aorta not elsewhere classified
L19.4  Replacement of aneurysmal segment of infrarenal abdominal aorta by anastomosis of aorta to aorta not elsewhere classified
L19.5  Replacement of aneurysmal segment of abdominal aorta by anastomosis of aorta to aorta not elsewhere classified
L19.6  Replacement of aneurysmal bifurcation of aorta by anastomosis of aorta to iliac artery not elsewhere classified
The minimum wound class for vascular surgery is clean

L20 Other emergency bypass of segment of aorta (*Clean*)
*Includes:* Emergency bypass of segment of aorta using prosthesis not elsewhere classified
Emergency replacement of segment of aorta not elsewhere classified
Emergency replacement of segment of aorta using prosthesis not elsewhere classified

L20.1 Emergency bypass of segment of ascending aorta by anastomosis of aorta to aorta not elsewhere classified
L20.2 Emergency bypass of segment of thoracic aorta by anastomosis of aorta to aorta not elsewhere classified
L20.3 Emergency bypass of segment of suprarenal abdominal aorta by anastomosis of aorta to aorta not elsewhere classified
L20.4 Emergency bypass of segment of infrarenal abdominal aorta by anastomosis of aorta to aorta not elsewhere classified
L20.5 Emergency bypass of segment of abdominal aorta by anastomosis of aorta to aorta not elsewhere classified
L20.6 Emergency bypass of bifurcation of aorta by anastomosis of aorta to iliac artery not elsewhere classified
L20.8 Other specified
L20.9 Unspecified

L21 Other bypass of segment of aorta (*Clean*)
*Includes:* Bypass of segment of aorta using prosthesis not elsewhere classified
Replacement of segment of aorta not elsewhere classified
Replacement of segment of aorta using prosthesis not elsewhere classified

L21.1 Bypass of segment of ascending aorta by anastomosis of aorta to aorta not elsewhere classified
L21.2 Bypass of segment of thoracic aorta by anastomosis of aorta to aorta not elsewhere classified
L21.3 Bypass of segment of suprarenal abdominal aorta by anastomosis of aorta to aorta not elsewhere classified
L21.4 Bypass of segment of infrarenal abdominal aorta by anastomosis of aorta to aorta not elsewhere classified
L21.5 Bypass of segment of abdominal aorta by anastomosis of aorta to aorta not elsewhere classified
L21.6 Bypass of bifurcation of aorta by anastomosis of aorta to iliac artery not elsewhere classified
L21.8 Other specified
L21.9 Unspecified

L22 Attention to prosthesis of aorta (*Clean*)
L22.1 Revision of prosthesis of thoracic aorta
L22.2 Revision of prosthesis of bifurcation of aorta
L22.3 Revision of prosthesis of abdominal aorta not elsewhere classified
L22.4 Removal of prosthesis from aorta
L22.8 Other specified
L22.9 Unspecified

L23 Plastic repair of aorta (*Clean*)
L23.1 Plastic repair of aorta and end to end anastomosis of aorta
L23.2 Plastic repair of aorta using subclavian flap
L23.3 Plastic repair of aorta using patch graft
L23.4 Release of vascular ring of aorta
L23.5 Revision of plastic repair of aorta
L23.6 Plastic repair of aorta and insertion of tube graft
L23.7 Repair of interrupted aortic arch
L23.8 Other specified
L23.9 Unspecified

L25 Other open operations on aorta (*Clean*)
*Includes:* Aortic body (L25.5)
L25.1 Endarterectomy of aorta and patch repair of aorta
L25.2 Endarterectomy of aorta not elsewhere classified
L25.3 Open embolectomy of bifurcation of aorta

The minimum wound class for vascular surgery is clean

Includes:  Open thrombectomy of bifurcation of aorta
Embolectomy of bifurcation of aorta not elsewhere classified
Thrombectomy of bifurcation of aorta not elsewhere classified

L25.4 Operations on aneurysm of aorta not elsewhere classified
L25.5 Operations on aortic body
L25.8 Other specified
L25.9 Unspecified

L28 Transluminal insertion of stent graft for aneurismal segment of aorta (Clean)
NOTE: Includes only procedures requiring an incision to expose a major blood vessel for access e.g. the femoral artery.  Does not include percutaneous procedures

L28.1 Endovascular stenting for infrarenal abdominal aortic aneurism
L28.2 Endovascular stenting for suprarenal abdominal aortic aneurism
L28.3 Endovascular stenting for thoracic aortic aneurism
L28.4 Endovascular stenting for aortic dissection in any position
L28.5 Endovascular stenting of aortic bifurcation NEC
L28.6 Endovascular stenting of aorto-uniliac aneurism
L28.8 Other specified
L28.9 Unspecified

L29 Reconstruction of carotid artery (Clean)

L29.1 Replacement of carotid artery using graft
L29.2 Intracranial bypass to carotid artery
L29.3 Bypass to carotid artery not elsewhere classified
L29.4 Endarterectomy of carotid artery and patch repair of carotid artery
L29.5 Endarterectomy of carotid artery not elsewhere classified
L29.6 High flow interposition extracranial to intracranial bypass from external carotid artery to middle cerebral artery.
L29.7 Bypass of carotid artery by anastomosis of superficial temporal artery to middle cerebral artery.
L29.8 Other specified
L29.9 Unspecified

L30 Other open operations on carotid artery (Clean)
Includes:  Carotid body (L30.5)

L30.1 Repair of carotid artery not elsewhere classified
L30.2 Ligation of carotid artery
L30.3 Open embolectomy of carotid artery
Includes:  Open thrombectomy of carotid artery
Embolectomy of carotid artery not elsewhere classified
Thrombectomy of carotid artery not elsewhere classified

L30.4 Operations on aneurysm of carotid artery
L30.5 Operations on carotid body
L30.8 Other specified
L30.9 Unspecified
The minimum wound class for vascular surgery is clean

**L37**  
**Reconstruction of subclavian artery (Clean)**  
*Includes:*  
Axillary artery  
Brachial artery  
Vertebral artery  

L37.1 Bypass of subclavian artery not elsewhere classified  
L37.2 Endarterectomy of vertebral artery  
L37.3 Endarterectomy of subclavian artery and patch repair of subclavian artery  
L37.4 Endarterectomy of subclavian artery not elsewhere classified  
L37.8 Other specified  
L37.9 Unspecified

**L38**  
**Other open operations on subclavian artery (Clean)**  
*Includes:*  
Axillary artery  
Brachial artery  
Vertebral artery  

L38.1 Repair of subclavian artery not elsewhere classified  
L38.2 Ligation of subclavian artery  
L38.3 Open embolectomy of subclavian artery  
*Includes:*  
Open thrombectomy of subclavian artery  
Embolectomy of subclavian artery not elsewhere classified  
Thrombectomy of subclavian artery not elsewhere classified
L38.4 Operations on aneurysm of subclavian artery  
L38.8 Other specified  
L38.9 Unspecified

**L41**  
**Reconstruction of renal artery (Clean)**  

L41.1 Plastic repair of renal artery and end to end anastomosis of renal artery  
L41.2 Bypass of renal artery  
L41.3 Replantation of renal artery  
L41.4 Endarterectomy of renal artery  
L41.5 Translocation of branch of renal artery  
L41.6 Patch angioplasty of renal artery  
L41.8 Other specified  
L41.9 Unspecified

**L42**  
**Other open operations on renal artery (Clean)**  

L42.1 Open embolectomy of renal artery  
*Includes:*  
Open thrombectomy of renal artery  
Embolectomy of renal artery not elsewhere classified  
Thrombectomy of renal artery not elsewhere classified
L42.2 Open embolisation of renal artery  
L42.3 Ligation of renal artery  
L42.4 Operations on aneurysm of renal artery  
L42.8 Other specified  
L42.9 Unspecified

**L45**  
**Reconstruction of other visceral branch of abdominal aorta (Clean)**  
*Includes:*  
Coeliac artery  
Superior mesenteric artery  
Inferior mesenteric artery  
Suprarenal artery  

L45.1 Bypass of visceral branch of abdominal aorta not elsewhere classified  
L45.2 Replantation of visceral branch of abdominal aorta not elsewhere classified  
L45.3 Endarterectomy of visceral branch of abdominal aorta and patch repair of visceral branch of abdominal aorta not elsewhere classified  
L45.4 Endarterectomy of visceral branch of abdominal aorta not elsewhere classified  
L45.8 Other specified  
L45.9 Unspecified

**L46**  
**Other open operations on other visceral branch of abdominal aorta (Clean)**  
*Includes:*  
Coeliac artery  
Superior mesenteric artery  
Inferior mesenteric artery  
Suprarenal artery
The minimum wound class for vascular surgery is clean

L46.1 Open embolectomy of visceral branch of abdominal aorta not elsewhere classified
Includes: Open thrombectomy of visceral branch of abdominal aorta not elsewhere classified
Embolectomy of visceral branch of abdominal aorta not elsewhere classified
Thrombectomy of visceral branch of abdominal aorta not elsewhere classified

L46.2 Open embolisation of visceral branch of abdominal aorta not elsewhere classified
L46.3 Ligation of visceral branch of abdominal aorta not elsewhere classified
L46.4 Operations on aneurysm of visceral branch of abdominal aorta not elsewhere classified
L46.8 Other specified
L46.9 Unspecified

L48 Emergency replacement of aneurysmal iliac artery (Clean)
Includes: Emergency replacement of aneurysmal iliac artery using prosthesis

L48.1 Emergency replacement of aneurysmal common iliac artery by anastomosis of aorta to common iliac artery
L48.2 Emergency replacement of aneurysmal iliac artery by anastomosis of aorta to external iliac artery
Includes: Emergency replacement of aneurysmal iliac artery by anastomosis of aorta to internal iliac artery
L48.3 Emergency replacement of aneurysmal artery of leg by anastomosis of aorta to common femoral artery
L48.4 Emergency replacement of aneurysmal artery of leg by anastomosis of aorta to superficial femoral artery
Includes: Emergency replacement of aneurysmal artery of leg by anastomosis of aorta to deep femoral artery, Emergency replacement of aneurysmal artery of leg by anastomosis of aorta to popliteal artery
L48.5 Emergency replacement of aneurysmal iliac artery by anastomosis of iliac artery to iliac artery
L48.6 Emergency replacement of aneurysmal artery of leg by anastomosis of iliac artery to femoral artery
Includes: Emergency replacement of aneurysmal artery of leg by anastomosis of iliac artery to popliteal artery
L48.8 Other specified
L48.9 Unspecified

L49 Other replacement of aneurysmal iliac artery (Clean)
Includes: Replacement of aneurysmal iliac artery using prosthesis not elsewhere classified

L49.1 Replacement of aneurysmal common iliac artery by anastomosis of aorta to common iliac artery not elsewhere classified
L49.2 Replacement of aneurysmal iliac artery by anastomosis of aorta to external iliac artery not elsewhere classified
Includes: Replacement of aneurysmal iliac artery by anastomosis of aorta to internal iliac artery not elsewhere classified
L49.3 Replacement of aneurysmal artery of leg by anastomosis of aorta to common femoral artery not elsewhere classified
L49.4 Replacement of aneurysmal artery of leg by anastomosis of aorta to superficial femoral artery not elsewhere classified
Includes: Replacement of aneurysmal artery of leg by anastomosis of aorta to deep femoral artery not elsewhere classified, Replacement of aneurysmal artery of leg by anastomosis of aorta to popliteal artery not elsewhere classified
L49.5 Replacement of aneurysmal iliac artery by anastomosis of iliac artery to iliac artery not elsewhere classified
L49.6 Replacement of aneurysmal artery of leg by anastomosis of iliac artery to femoral artery not elsewhere classified
Includes: Replacement of aneurysmal artery of leg by anastomosis of iliac artery to popliteal artery not elsewhere classified
L49.8 Other specified
L49.9 Unspecified

L50 Other emergency bypass of iliac artery (Clean)
The minimum wound class for vascular surgery is clean

Includes:  Emergency bypass of iliac artery using prosthesis not elsewhere classified  
          Emergency replacement of iliac artery not elsewhere classified  
          Emergency replacement of iliac artery using prosthesis not elsewhere classified

L50.1 Emergency bypass of common iliac artery by anastomosis of aorta to common iliac artery not elsewhere classified

L50.2 Emergency bypass of iliac artery by anastomosis of aorta to external iliac artery not elsewhere classified

Includes:  Emergency bypass of iliac artery by anastomosis of aorta to internal iliac artery not elsewhere classified

L50.3 Emergency bypass of artery of leg by anastomosis of aorta to common femoral artery not elsewhere classified

L50.4 Emergency bypass of artery of leg by anastomosis of aorta to deep femoral artery not elsewhere classified

Includes:  Emergency bypass of artery of leg by anastomosis of aorta to superficial femoral artery not elsewhere classified  
          Emergency bypass of artery of leg by anastomosis of aorta to popliteal artery not elsewhere classified

L50.5 Emergency bypass of iliac artery by anastomosis of iliac artery to iliac artery not elsewhere classified

L50.6 Emergency bypass of artery of leg by anastomosis of iliac artery to femoral artery not elsewhere classified

Includes:  Emergency bypass of artery of leg by anastomosis of iliac artery to popliteal artery not elsewhere classified

L50.8 Other specified

Includes:  Emergency aortoiliac anastomosis not elsewhere classified  
          Emergency aortofemoral anastomosis not elsewhere classified  
          Emergency iliofemoral anastomosis not elsewhere classified

L50.9 Unspecified

L51 Other bypass of iliac artery (Clean)

Includes:  Bypass of iliac artery using prosthesis not elsewhere classified  
          Replacement of iliac artery not elsewhere classified  
          Replacement of iliac artery using prosthesis not elsewhere classified

L51.1 Bypass of common iliac artery by anastomosis of aorta to common iliac artery not elsewhere classified

L51.2 Bypass of iliac artery by anastomosis of aorta to external iliac artery not elsewhere classified

Includes:  Bypass of iliac artery by anastomosis of aorta to internal iliac artery not elsewhere classified

L51.3 Bypass of artery of leg by anastomosis of aorta to common femoral artery not elsewhere classified

L51.4 Bypass of artery of leg by anastomosis of aorta to deep femoral artery not elsewhere classified

Includes:  Bypass of artery of leg by anastomosis of aorta to superficial femoral artery not elsewhere classified  
          Bypass of artery of leg by anastomosis of aorta to popliteal artery not elsewhere classified

L51.5 Bypass of iliac artery by anastomosis of iliac artery to iliac artery not elsewhere classified

L51.6 Bypass of artery of leg by anastomosis of iliac artery to femoral artery not elsewhere classified

Includes:  Bypass of artery of leg by anastomosis of iliac artery to popliteal artery not elsewhere classified

L51.8 Other specified

Includes:  Aortoiliac anastomosis not elsewhere classified  
          Aortofemoral anastomosis not elsewhere classified  
          Iliofemoral anastomosis not elsewhere classified

L51.9 Unspecified

L52 Reconstruction of iliac artery (Clean)

L52.1 Endarterectomy of iliac artery and patch repair of iliac artery

L52.2 Endarterectomy of iliac artery not elsewhere classified

L52.8 Other specified

L52.9 Unspecified

L53 Other open operations on iliac artery (Clean)

L53.1 Repair of iliac artery not elsewhere classified
The minimum wound class for vascular surgery is clean

L53.2 Open embolectomy of iliac artery
   Includes: Open thrombectomy of iliac artery
             Embolectomy of iliac artery not elsewhere classified
             Thrombectomy of iliac artery not elsewhere classified

L53.3 Operations on aneurysm of iliac artery not elsewhere classified
L53.8 Other specified
L53.9 Unspecified

L56 Emergency replacement of aneurysmal femoral artery (Clean)
   Excludes: When associated with connection from aorta or iliac artery (L48)

L56.1 Emergency replacement of aneurysmal femoral artery by anastomosis of femoral artery to
       femoral artery
   Includes: Emergency replacement of aneurysmal femoral artery by anastomosis of femoral artery
             to femoral artery using prosthesis

L56.2 Emergency replacement of aneurysmal femoral artery by anastomosis of femoral artery to
       popliteal artery using prosthesis

L56.3 Emergency replacement of aneurysmal femoral artery by anastomosis of femoral artery to
       popliteal artery using vein graft
   Includes: Emergency replacement of aneurysmal femoral artery by anastomosis of femoral artery
             to popliteal artery not elsewhere classified

L56.4 Emergency replacement of aneurysmal femoral artery by anastomosis of femoral artery to tibial
       artery using prosthesis
   Includes: Popliteal artery

L56.5 Emergency replacement of aneurysmal femoral artery by anastomosis of femoral artery to tibial
       artery using vein graft
   Includes: Emergency replacement of aneurysmal femoral artery by anastomosis of femoral artery
             to tibial artery not elsewhere classified
             Popliteal artery

L56.6 Emergency replacement of aneurysmal femoral artery by anastomosis of femoral artery to
       peroneal artery using prosthesis
   Includes: Popliteal artery

L56.7 Emergency replacement of aneurysmal femoral artery by anastomosis of femoral artery to
       peroneal artery using vein graft
   Includes: Emergency replacement of aneurysmal femoral artery by anastomosis of femoral artery
             to peroneal artery not elsewhere classified
             Popliteal artery

L56.8 Other specified
L56.9 Unspecified
The minimum wound class for vascular surgery is clean

**L57**  Other replacement of aneurysmal femoral artery (Clean)

*Excludes: When associated with connection from aorta or iliac artery (L49)*

**L57.1** Replacement of aneurysmal femoral artery by anastomosis of femoral artery to femoral artery not elsewhere classified

*Includes: Replacement of aneurysmal femoral artery by anastomosis of femoral artery to femoral artery using prosthesis not elsewhere classified*

**L57.2** Replacement of aneurysmal femoral artery by anastomosis of femoral artery to popliteal artery using prosthesis not elsewhere classified

**L57.3** Replacement of aneurysmal femoral artery by anastomosis of femoral artery to popliteal artery using vein graft not elsewhere classified

*Includes: Replacement of aneurysmal femoral artery by anastomosis of femoral artery to popliteal artery not elsewhere classified*

**L57.4** Replacement of aneurysmal femoral artery by anastomosis of femoral artery to tibial artery using prosthesis not elsewhere classified

*Includes: Popliteal artery*

**L57.5** Replacement of aneurysmal femoral artery by anastomosis of femoral artery to tibial artery using vein graft not elsewhere classified

*Includes: Replacement of aneurysmal femoral artery by anastomosis of femoral artery to tibial artery not elsewhere classified

*Popliteal artery*

**L57.6** Replacement of aneurysmal femoral artery by anastomosis of femoral artery to peroneal artery using prosthesis not elsewhere classified

*Includes: Popliteal artery*

**L57.7** Replacement of aneurysmal femoral artery by anastomosis of femoral artery to peroneal artery using vein graft not elsewhere classified

*Includes: Replacement of aneurysmal femoral artery by anastomosis of femoral artery to peroneal artery not elsewhere classified

*Popliteal artery*

**L57.8** Other specified

**L57.9** Unspecified

**L58**  Other emergency bypass of femoral artery (Clean)

*Includes: Emergency replacement of femoral artery not elsewhere classified

*Excludes: When associated with connection from aorta or iliac artery (L50)*

**L58.1** Emergency bypass of femoral artery by anastomosis of femoral artery to femoral artery not elsewhere classified

*Includes: Emergency bypass of femoral artery by anastomosis of femoral artery to femoral artery using prosthesis not elsewhere classified*

**L58.2** Emergency bypass of femoral artery by anastomosis of femoral artery to popliteal artery using prosthesis not elsewhere classified

**L58.3** Emergency bypass of femoral artery by anastomosis of femoral artery to popliteal artery using vein graft not elsewhere classified

*Includes: Emergency bypass of femoral artery by anastomosis of femoral artery to popliteal artery not elsewhere classified

**L58.4** Emergency bypass of femoral artery by anastomosis of femoral artery to tibial artery using prosthesis not elsewhere classified

*Includes: Popliteal artery*

**L58.5** Emergency bypass of femoral artery by anastomosis of femoral artery to tibial artery using vein graft not elsewhere classified

*Includes: Emergency bypass of femoral artery by anastomosis of femoral artery to tibial artery not elsewhere classified

*Popliteal artery*

**L58.6** Emergency bypass of femoral artery by anastomosis of femoral artery to peroneal artery using prosthesis not elsewhere classified

*Includes: Popliteal artery*

**L58.7** Emergency bypass of femoral artery by anastomosis of femoral artery to peroneal artery using vein graft not elsewhere classified

*Includes: Emergency bypass of femoral artery by anastomosis of femoral artery to peroneal artery not elsewhere classified

*Popliteal artery*

**L58.8** Other specified

**L58.9** Unspecified
The minimum wound class for vascular surgery is clean

L59  Other bypass of femoral artery (Clean)
    Includes: Replacement of femoral artery not elsewhere classified
    Excludes: When associated with connection from aorta or iliac artery (L51)

L59.1 Bypass of femoral artery by anastomosis of femoral artery to femoral artery not elsewhere classified
    Includes: Bypass of femoral artery by anastomosis of femoral artery to femoral artery using prosthesis not elsewhere classified

L59.2 Bypass of femoral artery by anastomosis of femoral artery to popliteal artery using prosthesis not elsewhere classified

L59.3 Bypass of femoral artery by anastomosis of femoral artery to popliteal artery using vein graft not elsewhere classified
    Includes: Bypass of femoral artery by anastomosis of femoral artery to popliteal artery not elsewhere classified

L59.4 Bypass of femoral artery by anastomosis of femoral artery to tibial artery using prosthesis not elsewhere classified
    Includes: Popliteal artery

L59.5 Bypass of femoral artery by anastomosis of femoral artery to tibial artery using vein graft not elsewhere classified
    Includes: Bypass of femoral artery by anastomosis of femoral artery to tibial artery not elsewhere classified

L59.6 Bypass of femoral artery by anastomosis of femoral artery to peroneal artery using prosthesis not elsewhere classified
    Includes: Popliteal artery

L59.7 Bypass of femoral artery by anastomosis of femoral artery to peroneal artery using vein graft not elsewhere classified
    Includes: Bypass of femoral artery by anastomosis of femoral artery to peroneal artery not elsewhere classified
    Popliteal artery

L59.8 Other specified
L59.9 Unspecified

L60  Reconstruction of femoral artery (Clean)
    Includes: Popliteal artery

L60.1 Endarterectomy of femoral artery and patch repair of femoral artery
L60.2 Endarterectomy of femoral artery not elsewhere classified
L60.3 Profundoplasty of femoral artery and patch repair of deep femoral artery
L60.4 Profundoplasty of femoral artery not elsewhere classified
L60.8 Other specified
L60.9 Unspecified

L62  Other open operations on femoral artery (Clean)
    Includes: Popliteal artery

L62.1 Repair of femoral artery not elsewhere classified
L62.2 Open embolectomy of femoral artery
    Includes: Open thrombectomy of femoral artery
    Embolectomy of femoral artery not elsewhere classified
    Thrombectomy of femoral artery not elsewhere classified

L62.3 Ligation of aneurysm of popliteal artery
L62.4 Operations on aneurysm of femoral artery not elsewhere classified
L62.8 Other specified
L62.9 Unspecified
The minimum wound class for vascular surgery is clean

L65  Revision of reconstruction of artery (Clean)
L65.1 Revision of reconstruction involving aorta
L65.2 Revision of reconstruction involving iliac artery
L65.3 Revision of reconstruction involving femoral artery
L65.8 Other specified
L65.9 Unspecified

L68  Repair of other artery (Clean)
  Includes: Unspecified artery
L68.1 Endarterectomy and patch repair of artery not elsewhere classified
L68.2 Endarterectomy not elsewhere classified
L68.3 Repair of artery using prosthesis not elsewhere classified
L68.4 Repair of artery using vein graft not elsewhere classified
  Includes: Repair of artery using graft not elsewhere classified
L68.8 Other specified
L68.9 Unspecified

L70  Other open operations on other artery (Clean)
  Includes: Unspecified artery
L70.1 Open embolectomy of artery not elsewhere classified
  Includes: Open thrombectomy of artery not elsewhere classified
    Embolectomy of artery not elsewhere classified
    Thrombectomy of artery not elsewhere classified
L70.2 Open embolisation of artery not elsewhere classified
L70.3 Ligation of artery not elsewhere classified
L70.4 Open cannulation of artery not elsewhere classified
L70.5 Operations on aneurysm of artery not elsewhere classified
L70.8 Other specified
L70.9 Unspecified

L75  Other arteriovenous operations (Clean)
L75.1 Excision of congenital arteriovenous malformation
  Includes: Ligation of congenital arteriovenous malformation
L75.2 Repair of acquired arteriovenous fistula
  Includes: Ligation of acquired arteriovenous fistula
L75.3 Embolisation of arteriovenous abnormality
L75.8 Other specified
L75.9 Unspecified

L77  Connection of vena cava or branch of vena cava (Clean)
L77.1 Creation of portocaval shunt
L77.2 Creation of mesocaval shunt
L77.3 Creation portosystemic shunt not elsewhere classified
L77.4 Creation of distal splenorenal shunt
L77.5 Creation of proximal splenorenal shunt
L77.8 Other specified
L77.9 Unspecified

L79  Other operations on vena cava (Clean)
L79.1 Insertion of filter into vena cava
L79.2 Plication of vena cava
L79.3 Stenting of vena cava NEC
L79.4 Attention to filter into vena cava NEC
L79.5 Removal of filter in vena cava
L79.6 Repair of anomalous caval vein connection
L79.7 Excision of lesion of vena cava
L79.8 Other specified
L79.9 Unspecified