



**Technical Guidance for  
Surgical Workload Audit and Research Database:  
Cholecystectomy**

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**V1.0**

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## 1. The Indicators

### 1.1. Activity Volume

Methodology: Count of all activity.  
Data Source: HES (Hospital Episode Statistics)

### 3.2. Average Length of Stay (Days)

Numerator: Number of bed days (excluding daycase)  
Denominator: Number of spells (excluding daycase)  
Methodology: Average  
Data Source: HES (Hospital Episode Statistics)

### 3.3. 2/7/30 day Re-admission Rate (%)

Numerator: Total number of emergency re-admissions within 2/7/30 days of discharge  
Denominator: Total number of discharges following an admission  
Methodology: Percentage  
Data Source: HES (Hospital Episode Statistics)  
Note: Re-admission is attributed to the consultant responsible for the patient in the initial admission.

### 3.4. Re-operations within 30 days (%)

Numerator: Total number of re-operations within 30 days of discharge  
Denominator: Total number of discharges following an admission  
Methodology: Percentage  
Data Source: HES (Hospital Episode Statistics)  
Note: Re-operations are attributed to the consultant responsible for the patient in the initial admission.

### 3.5. Day case Rates (%)

|              |  |
|--------------|--|
| Numerator:   | Number of procedures carried out as a daycase  |
| Denominator: | Total number of procedures carried out   |
| Methodology: | Percentage   |
| Data Source: | HES (Hospital Episode Statistics)  |
| Note:        | Daycase is classified as a patient who is coded as having a 0 day length of stay by checking the admission and discharge dates are the same. |

### 3.6. Short Stay Rates (%)

|              |   |
|--------------|---|
| Numerator:   | Number of patients admitted and discharged within 48hrs |
| Denominator: | Total number of patients discharged                     |
| Methodology: | Percentage  |
| Data Source: | HES (Hospital Episode Statistics)                       |
| Note:        |   |

### 3.7. Proportion of laparoscopic procedures

|              |  |
|--------------|--|
| Numerator:   | Number of hernia patients who have undergone a laparoscopic procedure. |
| Denominator: | Total number of procedures carried out                                 |
| Methodology: | Percentage   |
| Data Source: | HES (Hospital Episode Statistics)                                      |
| Note:        |  |

### 3.8. Ratio of emergency to all admissions

|              |  |
|--------------|--|
| Numerator:   | Number of emergency procedures.        |
| Denominator: | Total number of procedures carried out |
| Methodology: | Percentage                             |
| Data Source: | HES (Hospital Episode Statistics)      |
| Note:        |  |

### **3.9. Proportion of patients admitted in an emergency with gall bladder disease who have a cholecystectomy within 14 day**

|              |   |
|--------------|---|
| Numerator:   | Number of emergency patients with a primary operation of J18 (cholecystectomy) within 14 days of admission                                      |
| Denominator: | Number of emergency patients with an ICD-10 code matching the primary diagnosis codes in section 4 code sets including K85 (Acute pancreatitis) |
| Methodology: | Percentage  |
| Data Source: | HES (Hospital Episode Statistics)   |
| Note:        | Operations within 14 days is defined as the difference in days between the recorded admission date and recorded operation date being <15 days   |

### **3.10. Proportion of patients admitted in an emergency with gall bladder disease who have a cholecystectomy within 14 days with pancreatitis**

|              |   |
|--------------|---|
| Numerator:   | Number of emergency patients with a primary operation of J18 (cholecystectomy) within 14 days of admission                                    |
| Denominator: | Number of emergency patients with an ICD-10 code K85 (Acute pancreatitis)   |
| Methodology: | Percentage  |
| Data Source: | HES (Hospital Episode Statistics)   |
| Note:        | Operations within 14 days is defined as the difference in days between the recorded admission date and recorded operation date being <15 days |

### **3.11. Proportion of patients admitted in an emergency with gall bladder disease who have a cholecystectomy within 14 days without pancreatitis**

|              |  |
|--------------|--|
| Numerator:   | Number of emergency patients with a primary operation of J18 (cholecystectomy) within 14 days of admission   |
| Denominator: | Number of emergency patients with an ICD-10 code matching the primary diagnosis codes in section 4 code sets |
| Methodology: | Percentage   |
| Data Source: | HES (Hospital Episode Statistics)  |

Note: Operations within 14 days is defined as the difference in days between the recorded admission date and recorded operation date being <15 days

### 3.12. Proportion of laparoscopic Gallstone procedures converted to open procedures during surgery

Numerator: Number of elective patients undergoing laparoscopic reflux procedure with a Y714 (Failed minimal access approach converted to open) in any secondary procedure field.

Denominator: Total number J18 (cholecystectomy) procedures

Methodology: Percentage

Data Source: HES (Hospital Episode Statistics)

Note:

### 3.13. Proportion of patients who have a laparoscopic cholecystectomy who go on to have a ERCP within 30 days

Numerator: Number of patients with an ICD-10 code matching the primary diagnosis codes in section 4 code sets alongside any of the following procedure codes in any position within 30 days of discharge from a laparoscopic cholecystectomy

- J38: Endoscopic sphincterotomy of sphincter
- J39: Endoscopic sphincterotomy of accessory ampulla of Vater
- J40: Endoscopic retrograde insertion of tubal prosthesis into bile duct
- J41: Endoscopic dilation of bile duct
- J42: Endoscopic retrograde insertion of tubal prosthesis into pancreatic duct
- J43: Endoscopic retrograde cholangiopancreatography
- J44: Endoscopic retrograde cholangiography
- J45: Endoscopic retrograde pancreatography
- J46: Percutaneous dilation of anastomosis of bile duct
- J47: Percutaneous insertion of tubal prosthesis into hepatic ducts
- J48: Renewal/removal of percutaneously inserted tubal prosthesis in bile duct
- J49: Endoscopic removal of calculus from bile duct along T tube track
- J50: Cholangiography
- J51: Laparoscopic ultrasound examination of bile duct
- J52: Extracorporeal lithotripsy of calculus in bile duct
- J53: Endoscopic ultrasound examination of bile duct
- J54: Transplantation of pancreas
- J55: Total pancreatectomy
- J56: Pancreaticoduodenectomy

J57: Left pancreatectomy  
J58: Excision of lesion of pancreas  
J59: Anastomosis of pancreatic duct  
J60: Drainage of pancreatic duct  
J61: Drainage of cyst of pancrea  
J62: Division of annular pancreas  
J63: Open pancreatography  
J65: Other unspecified/specified other open operations on pancreas  
J66: Percutaneous drainage of lesion of pancreas  
J67: Percutaneous puncture of pancreatic duct  
J68: Extracorporeal shockwave lithotripsy of calculus of pancreas  
J69: Total splenectomy  
J70: Partial splenectomy  
J72: Other operations on spleen  
J73: Laparoscopic ultrasound examination of pancreas

Denominator: Total number of J18 (cholecystectomy) procedures with associated Y75.1 (Laparoscopically assisted approach to abdominal cavity) or Y75.2 (Laparoscopic approach to abdominal cavity NEC)

Methodology: Percentage

Data Source: HES (Hospital Episode Statistics)

Note:

### 3.14. Number of patients who have a hepatico jejunostomy within 1yr of a laparoscopic cholecystectomy

Numerator: Number of patients who have a hepatico jejunostomy within 1yr of a laparoscopic cholecystectomy

Methodology: Percentage

Data Source: HES (Hospital Episode Statistics)

Note: Hepatico jejunostomy defined as any of the following OPSC codes in any position:

J272: Partial excision of bile duct and anastomosis of bile duct to duodenum  
J273: Partial excision of bile duct and anastomosis of bile duct to jejunum  
J274: Partial excision of bile duct and end to end anastomosis of bile duct  
J278: Other specified excision of bile duct  
J279: Unspecified excision of bile duct  
J291: Anastomosis of hepatic duct to transposed jejunum and insertion of tubal prosthesis HFQ  
J292: Anastomosis of hepatic duct to jejunum NEC

J298: Other specified connection of hepatic duct  
J299: Unspecified connection of hepatic duct  
J301: Anastomosis of common bile duct to duodenum  
J302: Anastomosis of common bile duct to transposed jejunum  
J303: Anastomosis of common bile duct to jejunum NEC  
J308: Other specified connection of common bile duct  
J309: Unspecified connection of common bile duct  
J321: Reconstruction of bile duct  
J322: Reanastomosis of bile duct  
J328: Other specified repair of bile duct  
J329: Unspecified repair of bile duct

### 3.15. Proportion of cholecystectomy with simultaneous on-table cholangiogram

Numerator: Number of OTC procedures performed in a secondary position of a cholecystectomy

Denominator: Total number of cholecystectomy procedures carried out

Methodology: Percentage

Data Source: HES (Hospital Episode Statistics)

Note: OTC codes defined as either J372 (Operative cholangiography through cystic duct) or J373 (Direct puncture operative cholangiography)

### 3.16. Proportion of patients admitted for gall bladder disease who are readmitted in an emergency within 1yr

Numerator: Number of patients admitted in an emergency with any primary gallstone ICD-10 code in section 4 after a previous gallstone admission

Denominator: Total number of patients diagnosed with any primary gallstone ICD-10 code in section 4

Methodology: Percentage

Data Source: HES (Hospital Episode Statistics)

Note:



## 4. Interventions and Code Sets

### 4.1. Cholecystectomy- Open

**Primary OPCS:**

J18: Total or Partial Cholecystectomy

**Secondary OPCS:**

N/A

**Primary ICD-10:**

K80.0: Calculus of gallbladder with acute cholecystitis

K80.1: Calculus of gallbladder with other cholecystitis

K80.2: Calculus of gallbladder without cholecystitis

K81.0: Acute cholecystitis

K81.1: Chronic cholecystitis

K81.8: Other cholecystitis

K81.9: Cholecystitis, unspecified

K82.0: Obstruction of gallbladder

K82.1: Hydrops of gallbladder

K82.2: Perforation of gallbladder

K82.3: Fistula of gallbladder

K82.4: Cholesterolosis of gallbladder

K82.8: Other specified diseases of gallbladder

K82.9: Disease of gallbladder, unspecified

### 4.2. Cholecystectomy- Laparoscopic

**Primary OPCS:**

J18: Total or Partial Cholecystectomy

**Secondary OPCS: (will be included after any Primary OPSC)**

Y75.1: Laparoscopically assisted approach to abdominal cavity or

Y75.2: Laparoscopic approach to abdominal cavity NEC

**Primary ICD-10:**

K80.0: Calculus of gallbladder with acute cholecystitis

K80.1: Calculus of gallbladder with other cholecystitis

K80.2: Calculus of gallbladder without cholecystitis

K81.0: Acute cholecystitis

K81.1: Chronic cholecystitis

K81.8: Other cholecystitis

K81.9: Cholecystitis, unspecified

K82.0: Obstruction of gallbladder

K82.1: Hydrops of gallbladder  
K82.2: Perforation of gallbladder  
K82.3: Fistula of gallbladder  
K82.4: Cholesterolosis of gallbladder  
K82.8: Other specified diseases of gallbladder  
K82.9: Disease of gallbladder, unspecified

## 5. Exclusions

### 5.1. OPCS Exclusions

J01.1: Orthotopic Transplantation Of Liver Nec  
J01.2: Heterotopic Transplantation Of Liver  
J01.3: Replacement Of Previous Liver Transplant  
J01.5: Orthotopic Transplantation Of Whole Liver  
J01.8: Other Specified  
J01.9: Unspecified  
J02.1: Right Hemihepatectomy Nec  
J02.2: Left Hemihepatectomy Nec  
J02.3: Resection Of Segment Of Liver  
J02.4: Wedge Excision Of Liver  
J02.5: Marsupialisation Of Lesion Of Liver  
J02.6: Extended Right Hemihepatectomy  
J02.7: Extended Left Hemihepatectomy  
J02.8: Other Specified  
J02.9: Unspecified  
J03.1: Excision Of Lesion Of Liver Nec  
J03.2: Destruction Of Lesion Of Liver Nec  
J03.3: Thermal Ablation Of Single Lesion Of Liver  
J03.4: Thermal Ablation Of Multiple Lesions Of Liver  
J03.5: Excision Of Multiple Lesions Of Liver  
J03.8: Other Specified  
J03.9: Unspecified  
J04.2: Repair Of Laceration Of Liver  
J04.3: Packing Of Laceration Of Liver  
J04.8: Other Specified  
J05.1: Open Drainage Of Liver  
J05.8: Other Specified  
J07.3: Exploration Of Liver  
J07.8: Other Specified  
J07.9: Unspecified  
J08.1: Endoscopic Removal Of Calculus From Liver Using Laparoscope  
J08.2: Endoscopic Insertion Of Cannula Into Gall Bladder Using Lapa  
J08.8: Other Specified  
J08.9: Unspecified

J09.1: Diagnostic Endoscopic Examination Of Liver And Biopsy Of Les  
J09.2: Laparoscopic Ultrasound Examination Of Liver And Biopsy Of L  
J09.3: Laparoscopic Ultrasound Examination Of Liver Nec  
J09.8: Other Specified  
J09.9: Unspecified  
J18.4: Partial Cholecystectomy And Exploration Of Common Bile Duct  
J19.1: Anastomosis Of Gall Bladder To Stomach  
J19.2: Anastomosis Of Gall Bladder To Duodenum  
J19.3: Anastomosis Of Gall Bladder To Jejunum  
J19.4: Anastomosis Of Gall Bladder To Intestine Nec  
J19.5: Revision Of Anastomosis Of Gall Bladder  
J19.6: Closure Of Anastomosis Of Gall Bladder  
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  
J21.1: Open Removal Of Calculus From Gall Bladder  
J21.2: Drainage Of Gall Bladder  
J21.3: Drainage Of Tissue Surrounding Gall Bladder  
J21.8: Other Specified  
J21.9: Unspecified  
J23.1: Excision Of Lesion Of Gall Bladder  
J23.2: Open Biopsy Of Lesion Of Gall Bladder  
J23.3: Exploration Of Gall Bladder  
J23.8: Other Specified  
J26.8: Other Specified  
J27.1: Excision Of Ampulla Of Vater And Replantation Of Common Bile  
J28.1: Excision Of Lesion Of Bile Duct  
J28.2: Destruction Of Lesion Of Bile Duct  
J28.8: Other Specified  
J29.3: Revision Of Anastomosis Of Hepatic Duct  
J29.4: Open Dilation Of Anastomosis Of Hepatic Duct  
J30.4: Revision Of Anastomosis Of Common Bile Duct  
J30.5: Open Dilation Of Anastomosis Of Common Bile Duct  
J31.1: Open Insertion Of Tubal Prosthesis Into Both Hepatic Ducts  
J31.2: Open Insertion Of Tubal Prosthesis Into One Hepatic Duct And  
J31.3: Open Renewal Of Tubal Prosthesis In Bile Duct  
J31.4: Open Removal Of Tubal Prosthesis From Bile Duct  
J31.8: Other Specified  
J31.9: Unspecified  
J32.2: Reanastomosis Of Bile Duct  
J33.1: Open Removal/Calculus From Bile Duct/Drainage Of Bile Duct  
J33.2: Open Removal Of Calculus From Bile Duct Nec  
J33.3: Drainage Of Bile Duct Nec  
J33.8: Other Specified

J33.9: Unspecified  
J34.1: Sphincteroplasty Of Bile Duct And Pancreatic Duct Using Duod  
J34.2: Sphincteroplasty Of Bile Duct Using Duodenal Approach Nec  
J34.8: Other Specified  
J34.9: Unspecified  
J35.1: Sphincterotomy Of Bile Duct And Pancreatic Duct Using Duoden  
J35.2: Sphincterotomy Of Bile Duct Using Duodenal Approach Nec  
J35.3: Sphincterotomy Of Pancreatic Duct Using Duodenal Approach Ne  
J35.8: Other Specified  
J35.9: Unspecified  
J36.1: Excision Of Ampulla Of Vater Using Duodenal Approach  
J36.2: Biopsy Of Lesion Of Ampulla Of Vater Using Duodenal Approach  
J36.8: Other Specified  
J37.1: Open Biopsy Of Lesion Of Bile Duct  
J37.2: Operative Cholangiography Through Cystic Duct  
J37.3: Direct Puncture Operative Cholangiography  
J37.4: Operative Choledochoscopy Nec  
J37.8: Other Specified  
J37.9: Unspecified  
J50.1: T Tube Cholangiography  
J51.1: Laparoscopic Ultrasound Examination Of Bile Duct And Biopsy  
J51.8: Other Specified  
J51.9: Unspecified  
J52.1: Extracorporeal Lithotripsy Of Calculus In Bile Duct  
J52.8: Other Specified  
J54.1: Transplantation Of Pancreas And Duodenum  
J54.2: Transplantation Of Whole Pancreas  
J54.4: Transplantation Of Islet Of Langerhans  
J54.8: Other Specified  
J54.9: Unspecified  
J55.1: Total Pancreatectomy And Excision Of Surrounding Tissue  
J55.2: Total Pancreatectomy Nec  
J55.3: Excision Of Transplanted Pancreas  
J55.8: Other Specified  
J55.9: Unspecified  
J56.1: Pancreaticoduodenectomy And Excision Of Surrounding Tissue  
J56.2: Pancreaticoduodenectomy And Resection Of Antrum Of Stomach  
J56.3: Pancreaticoduodenectomy Nec  
J56.4: Subtotal Excision Of Head Of Pancreas With Preservation Of D  
J56.8: Other Specified  
J56.9: Unspecified  
J57.1: Subtotal Pancreatectomy  
J57.2: Left Pancreatectomy And Drainage Of Pancreatic Duct  
J57.3: Left Pancreatectomy Nec  
J57.4: Excision Of Tail Of Pancreas And Drainage Of Pancreatic Duct

J57.5: Excision Of Tail Of Pancreas Nec  
J57.6: Pancreatic Necrosectomy  
J57.8: Other Specified  
J57.9: Unspecified  
J58.1: Excision Of Lesion Of Islet Of Langerhans  
J58.2: Excision Of Lesion Of Pancreas Nec  
J58.3: Destruction Of Lesion Of Pancreas  
J58.8: Other Specified  
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 Nec  
J59.5: Revision Of Anastomosis Of Pancreatic Duct  
J59.9: Unspecified  
J60.1: Drainage Of Pancreatic Duct  
J60.3: Insertion Of T Tube Into Pancreatic Duct  
J60.4: Open Insertion Of Tubal Prosthesis Into Pancreatic Duct  
J60.8: Other Specified  
J60.9: Unspecified  
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 Nec  
J61.4: Drainage Of Cyst Of Pancreas Nec  
J61.8: Other Specified  
J61.9: Unspecified  
J62.8: Other Specified  
J62.9: Unspecified  
J63.3: Open Pancreatography Nec  
J63.8: Other Specified  
J63.9: Unspecified  
J65.1: Open Biopsy Of Lesion Of Pancreas  
J65.8: Other Specified  
J65.9: Unspecified  
J68.8: Other Specified  
J69.1: Total Excision Of Spleen And Replantation Of Fragments Of Sp  
J69.2: Total Splenectomy  
J69.8: Other Specified  
J69.9: Unspecified  
J70.1: Partial Splenectomy  
J70.2: Marsupialisation Of Lesion Of Spleen  
J70.8: Other Specified  
J70.9: Unspecified  
J72.2: Embolisation Of Spleen  
J72.3: Biopsy Of Lesion Of Spleen  
J72.4: Repair Of Spleen  
J72.5: Banding Of Spleen

J72.8: Other Specified

J73.1: Laparoscopic Ultrasound Examination Of Pancreas And Biopsy O

J73.8: Other Specified

J73.9: Unspecified

G01.1: Oesophagogastrrectomy And Anastomosis Of Oesophagus To Stomac

G01.2: Oesophagogastrrectomy And Anastomosis Of Oesophagus To Transp

G01.3: Oesophagogastrrectomy And Anastomosis Of Oesophagus To Jejunu

G01.8: Other Specified

G01.9: Unspecified

G02.1: Total Oesophagectomy And Anastomosis Of Pharynx To Stomach

G02.2: Total Oesophagectomy/Interposition Of Microvascularly Att.Je

G02.3: Total Oesophagectomy And Interposition Of Jejunum Nec

G02.4: Total Oesophagectomy/Interposition Of Microvascularly Att.Co

G02.5: Total Oesophagectomy And Interposition Of Colon Nec

G02.8: Other Specified

G02.9: Unspecified

G03.1: Partial Oesophagectomy And End To End Anastomosis Of Oesopha

G03.2: Partial Oesophagectomy/Interposition/Microvascularly Att.Je

G03.3: Partial Oesophagectomy And Anastomosis Of Oesophagus To Tran

G03.4: Partial Oesophagectomy And Anastomosis Of Oesophagus To Jeju

G03.5: Partial Oesophagectomy/Interposition/Microvascularly Att.Co

G03.6: Partial Oesophagectomy And Interposition Of Colon Nec

G03.8: Other Specified

G03.9: Unspecified

G04.1: Excision Of Lesion Of Oesophagus

G04.2: Open Laser Destruction Of Lesion Of Oesophagus

G05.1: Bypass Of Oesophagus By Anastomosis Of Oesophagus To Oesopha

G05.2: Bypass Of Oesophagus By Anastomosis Of Oesophagus To Stomach

G05.4: Bypass Of Oesophagus By Interposition Of Jejunum Nec

G05.6: Bypass Of Oesophagus By Interposition Of Colon Nec

G06.1: Revision Of Interposition Anastomosis Of Oesophagus

G06.2: Revision Of Anastomosis Of Oesophagus Nec

G06.3: Removal Of Bypass Of Oesophagus

G06.8: Other Specified

G06.9: Unspecified

G07.1: Closure Of Tracheo-Oesophageal Fistula

G07.2: Closure Of Fistula Of Oesophagus Nec

G07.3: Correction Of Congenital Atresia Of Oesophagus

G07.4: Repair Of Rupture Of Oesophagus

G07.8: Other Specified

G07.9: Unspecified

G08.1: Exteriorisation Of Pouch Of Oesophagus

G08.2: External Fistulisation Of Oesophagus Nec

G08.3: Tube Oesophagostomy

G08.8: Other Specified

G08.9: Unspecified  
G09.1: Cardiomyotomy  
G09.2: Oesophagomyotomy Nec  
G09.3: Division Of Web Of Oesophagus  
G09.4: Drainage Of Oesophagus  
G09.8: Other Specified  
G10.1: Disconnection Of Azygos Vein  
G10.3: Transection Of Oesophagus Nec  
G10.4: Local Ligation Of Varices Of Oesophagus  
G10.8: Other Specified  
G10.9: Unspecified  
G11.1: Insertion Of Tubal Prosthesis Into Oesophagus Through Stomac  
G11.2: Open Insertion Of Tubal Prosthesis Into Oesophagus Nec  
G11.3: Open Revision Of Tubal Prosthesis In Oesophagus  
G11.4: Open Removal Of Tubal Prosthesis From Oesophagus  
G11.8: Other Specified  
G13.1: Open Biopsy Of Lesion Of Oesophagus  
G13.2: Open Removal Of Foreign Body From Oesophagus  
G13.8: Other Specified  
G23.1: Repair Of Oesophageal Hiatus Using Thoracic Approach  
G23.2: Repair Of Diaphragmatic Hernia Using Thoracic Approach Nec  
G23.3: Repair Of Oesophageal Hiatus Using Abdominal Approach  
G23.4: Repair Of Diaphragmatic Hernia Using Abdominal Approach Nec  
G23.8: Other Specified  
G23.9: Unspecified  
G24.1: Antireflux Fundoplication Using Thoracic Approach  
G24.2: Antireflux Operation Using Thoracic Approach Nec  
G24.3: Antireflux Fundoplication Using Abdominal Approach  
G24.4: Antireflux Gastropexy  
G24.5: Gastroplasty And Antireflux Procedure Hfq  
G24.6: Insertion Of Angelchick Prosthesis  
G24.8: Other Specified  
G24.9: Unspecified  
G25.1: Revision Of Fundoplication Of Stomach  
G25.3: Removal Of Angelchick Prosthesis  
G25.8: Other Specified  
G25.9: Unspecified  
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 Transpose  
G27.5: Total Gastrectomy And Anastomosis Of Oesophagus To Jejunum N  
G27.8: Other Specified  
G27.9: Unspecified  
G28.1: Partial Gastrectomy And Anastomosis Of Stomach To Duodenum

- G28.2: Partial Gastrectomy And Anastomosis Of Stomach To Transposed
- G28.3: Partial Gastrectomy And Anastomosis Of Stomach To Jejunum Ne
- G28.4: Sleeve Gastrectomy And Duodenal Switch
- G28.5: Sleeve Gastrectomy Nec
- G28.8: Other Specified
- G28.9: Unspecified
- G29.1: Open Excision Of Polyp Of Stomach
- G29.2: Open Excision Of Lesion Of Stomach Nec
- G29.3: Open Laser Destruction Of Lesion Of Stomach
- G29.4: Diathermy To Lesion Of Stomach
- G29.8: Other Specified
- G29.9: Unspecified
- G30.1: Gastroplasty Nec
- G30.2: Partitioning Of Stomach Nec
- G30.3: Partitioning Of Stomach Using Band
- G30.4: Partitioning Of Stomach Using Staples
- G30.5: Maintenance Of Gastric Band
- G30.8: Other Specified
- G30.9: Unspecified
- G31.0: Conversion From Previous Anastomosis Of Stomach To Duodenum
- 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
- G31.9: Unspecified
- G32.1: Bypass Of Stomach By Anastomosis Of Stomach To Transposed Je
- 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
- G32.9: Unspecified
- G33.0: Conversion From Previous Anastomosis Of Stomach To Jejunum N
- G33.1: Bypass Of Stomach By Anastomosis Of Stomach To Jejunum Nec
- G33.2: Revision Of Anastomosis Of Stomach To Jejunum Nec
- G33.3: Conversion To Anastomosis Of Stomach To Jejunum Nec
- 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
- G33.9: Unspecified
- G34.1: Creation Of Permanent Gastrostomy
- G34.2: Creation Of Temporary Gastrostomy



G34.3: Reconstruction Of Gastrostomy  
G34.4: Closure Of Gastrostomy  
G34.5: Attention To Gastrostomy Tube  
G34.8: Other Specified  
G34.9: Unspecified  
G35.1: Closure Of Perforated Ulcer Of Stomach  
G35.2: Closure Of Ulcer Of Stomach Nec  
G35.8: Other Specified  
G35.9: Unspecified  
G36.1: Gastropexy Nec  
G36.2: Closure Of Perforation Of Stomach Nec  
G36.3: Closure Of Abnormal Opening Of Stomach Nec  
G36.8: Other Specified  
G36.9: Unspecified  
G38.1: Open Biopsy Of Lesion Of Stomach  
G38.2: Open Insertion Of Prosthesis Into Stomach  
G38.3: Open Insertion Of Feeding Tube Into Stomach  
G38.4: Open Removal Of Foreign Body From Stomach  
G38.5: Incision Of Stomach Nec  
G38.6: Reduction Of Volvulus Of Stomach  
G38.7: Removal Of Gastric Band  
G38.8: Other Specified  
G38.9: Unspecified  
G40.1: Pyloromyotomy  
G40.2: Repair Of Congenital Atresia Of Pylorus  
G40.3: Pyloroplasty Nec  
G40.4: Revision Of Pyloroplasty  
G40.5: Closure Of Pyloroplasty  
G40.6: Open Dilation Of Pylorus  
G40.8: Other Specified  
G40.9: Unspecified  
G41.1: Open Biopsy Of Lesion Of Pylorus  
G41.2: Repair Of Perforation Of Pylorus  
G41.8: Other Specified  
G48.8: Other Specified  
G48.9: Unspecified  
G49.1: Gastroduodenectomy  
G49.2: Total Excision Of Duodenum  
G49.3: Partial Excision Of Duodenum  
G49.8: Other Specified  
G49.9: Unspecified  
G50.1: Excision Of Lesion Of Duodenum  
G50.2: Open Destruction Of Lesion Of Duodenum  
G50.8: Other Specified  
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  
G52.1: Closure Of Perforated Ulcer Of Duodenum  
G52.2: Suture Of Ulcer Of Duodenum Nec  
G52.3: Oversew Of Blood Vessel Of Duodenal Ulcer  
G52.8: Other Specified  
G52.9: Unspecified  
G53.1: Open Biopsy Of Lesion Of Duodenum  
G53.2: Closure Of Perforation Of Duodenum Nec  
G53.3: Open Removal Of Foreign Body From Duodenum  
G53.4: Open Insertion Of Tubal Prosthesis Into Duodenum  
G53.5: Incision Of Duodenum Nec  
G53.6: Correction Of Malrotation Of Duodenum  
G53.8: Other Specified  
G53.9: Unspecified  
G57.8: Other Specified  
G58.1: Total Jejunectomy And Anastomosis Of Stomach To Ileum  
G58.2: Total Jejunectomy And Anastomosis Of Duodenum To Ileum  
G58.3: Total Jejunectomy And Anastomosis Of Duodenum To Colon  
G58.4: Partial Jejunectomy And Anastomosis Of Jejunum To Ileum  
G58.5: Partial Jejunectomy And Anastomosis Of Duodenum To Colon  
G58.8: Other Specified  
G58.9: Unspecified  
G59.1: Excision Of Lesion Of Jejunum  
G59.2: Open Destruction Of Lesion Of Jejunum  
G59.8: Other Specified  
G60.1: Creation Of Jejunostomy  
G60.2: Refashioning Of Jejunostomy  
G60.3: Closure Of Jejunostomy  
G60.8: Other Specified  
G60.9: Unspecified  
G61.1: Bypass Of Jejunum By Anastomosis Of Jejunum To Jejunum  
G61.2: Bypass Of Jejunum By Anastomosis Of Jejunum To Ileum  
G61.3: Bypass Of Jejunum By Anastomosis Of Jejunum To Colon  
G61.8: Other Specified  
G61.9: Unspecified  
G62.9: Unspecified  
G63.1: Open Biopsy Of Lesion Of Jejunum  
G63.2: Incision Of Jejunum  
G63.3: Closure Of Perforation Of Jejunum  
G63.4: Open Intubation Of Jejunum  
G63.8: Other Specified  
G63.9: Unspecified

G67.4: Intubation Of Jejunum Nec  
G67.8: Other Specified  
G67.9: Unspecified  
G68.1: Allotransplantation Of Ileum  
G68.8: Other Specified  
G68.9: Unspecified  
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  
G69.4: Ileectomy And Anastomosis Of Ileum To Colon  
G69.8: Other Specified  
G69.9: Unspecified  
G70.1: Excision Of Meckel'S Diverticulum  
G70.2: Excision Of Lesion Of Ileum Nec  
G70.3: Open Destruction Of Lesion Of Ileum  
G70.8: Other Specified  
G70.9: Unspecified  
G71.1: Bypass Of Ileum By Anastomosis Of Jejunum To Ileum  
G71.2: Bypass Of Ileum By Anastomosis Of Ileum To Ileum  
G71.3: Bypass Of Ileum By Anastomosis Of Ileum To Caecum  
G71.4: Bypass Of Ileum By Anastomosis Of Ileum To Transverse Colon  
G71.5: Bypass Of Ileum By Anastomosis Of Ileum To Colon Nec  
G71.6: Duodenal Switch  
G71.8: Other Specified  
G71.9: Unspecified  
G72.1: Anastomosis Of Ileum To Caecum  
G72.2: Anastomosis Of Ileum To Transverse Colon  
G72.3: Anastomosis Of Ileum To Colon Nec  
G72.4: Anastomosis Of Ileum To Rectum  
G72.5: Anastomosis Of Ileum To Anus And Creation Of Pouch Hfq  
G72.8: Other Specified  
G72.9: Unspecified  
G73.1: Revision Of Anastomosis Of Ileum  
G73.2: Closure Of Anastomosis Of Ileum  
G73.3: Resection Of Ileostomy  
G73.4: Resection Of Ileocolic Anastomosis  
G73.8: Other Specified  
G73.9: Unspecified  
G74.1: Creation Of Continent Ileostomy  
G74.2: Creation Of Temporary Ileostomy  
G74.3: Creation Of Defunctioning Ileostomy  
G74.8: Other Specified  
G74.9: Unspecified  
G75.1: Refashioning Of Ileostomy  
G75.2: Repair Of Prolapse Of Ileostomy

G75.3: Closure Of Ileostomy  
G75.4: Dilation Of Ileostomy  
G75.5: Reduction Of Prolapse Of Ileostomy  
G75.8: Other Specified  
G75.9: Unspecified  
G76.1: Open Reduction Of Intussusception Of Ileum  
G76.2: Open Relief Of Strangulation Of Ileum  
G76.3: Open Relief Of Obstruction Of Ileum Nec  
G76.4: Plication Of Ileum  
G76.8: Other Specified  
G76.9: Unspecified  
G78.1: Open Biopsy Of Lesion Of Ileum  
G78.2: Strictureplasty Of Ileum  
G78.3: Removal Of Foreign Body From Ileum  
G78.4: Closure Of Perforation Of Ileum  
G78.5: Exclusion Of Segment Of Ileum  
G78.6: Open Intubation Of Ileum  
G78.8: Other Specified  
G78.9: Unspecified  
G79.1: Endoscopic Extirpation Of Lesion Of Ileum  
G79.2: Endoscopic Dilation Of Ileum  
G79.3: Endoscopic Insertion Of Tubal Prosthesis Into Ileum  
G79.8: Other Specified  
G79.9: Unspecified  
G80.1: Diagnostic Endoscopic Examination Of Ileum And Biopsy Of Les  
G80.8: Other Specified  
G80.9: Unspecified  
G82.2: Intubation Of Ileum For Decompression Of Intestine  
G82.4: Intubation Of Ileum Nec  
G82.8: Other Specified  
G82.9: Unspecified  
J18.2: Total Cholecystectomy And Exploration Of Common Bile Duct  
J27.2: Partial Excision/Bile Duct And Anastomosis/Bile Duct To Duod  
J27.3: Partial Excision/Bile Duct And Anastomosis/Bile Duct To Jeju  
J29.1: Anastomosis Of Hepatic Duct To Transposed Jejunum And Insert  
J29.2: Anastomosis Of Hepatic Duct To Jejunum Nec  
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 Nec  
J32.1: Reconstruction Of Bile Duct  
J32.2: Reanastomosis Of Bile Duct  
J32.8: Other Specified  
J32.9: Unspecified

## 5.2. ICD-10 Exclusions

K80.3: Calculus of bile duct with cholangitis  
K80.4: Calculus of bile duct with cholecystitis  
K80.5: Calculus of bile duct without cholangitis or cholecystitis  
K80.8: Other cholelithiasis  
K83.0: Cholangitis  
K83.1: Obstruction of bile duct  
K83.2: Perforation of bile duct  
K83.3: Fistula of bile duct  
K83.4: Spasm of sphincter of Oddi  
K83.5: Biliary cyst  
K83.8: Other specified diseases of biliary tract  
K83.9: Disease of biliary tract, unspecified  
K86.0: Alcohol-induced chronic pancreatitis  
K86.1: Other chronic pancreatitis  
K86.2: Cyst of pancreas  
K86.3: Pseudocyst of pancreas  
K86.8: Other specified diseases of pancreas  
K86.9: Disease of pancreas, unspecified  
K56.3: Gallstone ileus  
C15.0: Malignant neoplasm of cervical part of oesophagus  
C15.1: Malignant neoplasm of thoracic part of oesophagus  
C15.2: Malignant neo of abdominal part of oesophagus  
C15.3: Malignant neoplasm of upper third of oesophagus  
C15.4: Malignant neoplasm of middle third of oesophagus  
C15.5: Malignant neoplasm of lower third of oesophagus  
C15.8: Malignant neoplasm overlapping lesion of oesophagus  
C15.9: Malignant neoplasm of oesophagus unspecified  
C16.0: Malignant neoplasm of cardia of stomach  
C16.1: Malignant neoplasm of fundus of stomach  
C16.2: Malignant neoplasm of body of stomach  
C16.3: Malignant neoplasm of pyloric antrum  
C16.4: Malignant neoplasm of pylorus  
C16.5: Malignant neoplasm of lesser curvature of stomach, unsp  
C16.6: Malignant neoplasm of greater curvature of stomach, unsp  
C16.8: Malignant neoplasm overlapping lesion of stomach  
C16.9: Malignant neoplasm of stomach, unspecified  
C17.0: Malignant neoplasm of small intestine, duodenum  
C22.0: Malignant neoplasm, liver cell carcinoma  
C22.1: Malignant neoplasm, intrahep bile duct carcinoma  
C22.2: Malignant neoplasm, hepatoblastoma  
C22.3: Malignant neoplasm, angiosarcoma of liver  
C22.4: Malignant neoplasm, other sarcomas of liver  
C22.7: Malignant neoplasm, oth spec carcinomas of liver  
C22.9: Malignant neoplasm, liver, unspecified

C23.X: Malignant neoplasm of gallbladder  
C24.0: Malignant neoplasm of extrahepatic bile duct  
C24.1: Malignant neoplasm of Ampulla of Vater  
C24.8: Malignant neoplasm overlapping lesion of biliary tract  
C24.9: Malignant neoplasm of biliary tract, unspecified  
C25.0: Malignant neoplasm of head of pancreas  
C25.1: Malignant neoplasm of body of pancreas  
C25.2: Malignant neoplasm of tail of pancreas  
C25.3: Malignant neoplasm of pancreatic duct  
C25.4: Malignant neoplasm of endocrine pancreas  
C25.7: Malignant neoplasm of other parts of pancreas  
C25.8: Malignant neoplasm, overlapping lesion of pancreas  
C25.9: Malignant neoplasm of pancreas, unspecified  
C26.0: Malignant neoplasm of intestinal tract, part unsp  
C26.1: Malignant neoplasm of spleen  
C26.8: Malignant neoplasm, overlapping lesion of digestive system  
C26.9: Malignant neoplasm of ill-def sites within digestive system  
C78.7: Secondary malignant neoplasm of liver  
D01.5: Carcinoma in situ liver, gallbladder and bile ducts  
D13.0: Benign neoplasm of oesophagus  
D13.1: Benign neoplasm of stomach  
D13.2: Benign neoplasm of duodenum  
D13.3: Benign neoplasm of other and unsp parts of small intestine  
D13.4: Benign neoplasm of liver  
D13.5: Benign neoplasm of extrahepatic bile ducts  
D13.6: Benign neoplasm of pancreas  
D13.7: Benign neoplasm of endocrine pancreas  
D37.6: Neo uncert / unkn behav liver, gallbladder and bile ducts  
D37.7: Neoplasm uncert / unkn behav other digestive organs  
D37.9: Neoplasm uncert / unkn behav digestive organ, unspecified