

**AHRQ Quality Indicators
Inpatient Quality Indicators
Version 4.0 (FY2009)**

February 20, 2009 (Revised May 19, 2009)

A. FY2009 Coding Changes

1. IQI #20 – Pneumonia mortality rate

- a) Add diagnosis code to denominator inclusion for pneumonia (\$MTPNEUD)

Modify code:

482.41 Methicillin susceptible pneumonia due to Staphylococcus aureus

Add code:

482.42 Methicillin resistant pneumonia due to Staphylococcus aureus

2. IQI #21 – Cesarean Section Delivery

- a) Add diagnosis codes to denominator exclusion for problem deliveries (\$PRCSECD)

Add codes:

678.10 Fetal conjoined twins, unspecified as to episode of care or not applicable

678.11 Fetal conjoined twins, delivered, with or without mention of antepartum condition

678.13 Fetal conjoined twins, antepartum condition or complication

3. IQI #24 – Incidental appendectomy

- a) Add procedure codes to denominator inclusion for abdominal and pelvic surgery (\$PRAPP2P)

Add codes:

17.11 Laparoscopic repair of direct inguinal hernia with graft or prosthesis

17.12 Laparoscopic repair of indirect inguinal hernia with graft or prosthesis

17.13 Laparoscopic repair of inguinal hernia with graft or prosthesis, NOS

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

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

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

17.24 Laparoscopic bilateral repair of inguinal hernia with graft or prosthesis, NOS

48.40 Pull through resection of rectum, NOS

48.42 Lap pull-through resection of rectum

48.43 Open pull-through resection of rectum

48.50 Abdominoperineal resection of rectum, NOS

48.51 Laparoscopic abdominoperineal resection of rectum

48.52 Open abdominoperineal resection of rectum

48.59 Other abdominoperineal resection of rectum

- 53.42 Laparoscopic repair of umbilical hernia with graft or prosthesis
- 53.43 Other laparoscopic umbilical heriorrhaphy
- 53.62 Laparoscopic incisional hernia repair with graft or prosthesis
- 53.63 Other laparoscopic repair of other hernia of anterior abdominal wall with graft or prosthesis
- 53.71 Lap repair of diaphragmatic hernia, abdominal approach
- 53.72 Other and open repair of diaphragmatic hernia, abdominal approach
- 53.75 Repair of diaphragmatic hernia, abdominal approach, NOS

b) Add procedure codes to denominator exclusion for surgical removal of the colon (colectomy) or pelvic evisceration (\$PRAPP3P)

Add codes:

- 17.31 Laparoscopic multiple segmental resection of large intestine
- 17.32 Laparoscopic cecectomy
- 17.33 Laparoscopic right hemicolectomy
- 17.34 Laparoscopic resection of transverse colon
- 17.35 Laparoscopic left hemicolectomy
- 17.36 Laparoscopic sigmoidectomy
- 17.39 Other laparoscopic partial excision of large intestine
- 45.81 Laparoscopic total intra-abdominal colectomy
- 45.82 Open total intra-abdominal colectomy
- 45.83 Other and unspecified total intra-abdominal colectomy

4. IQI #25 – Bilateral catheterization rate

a) Add diagnosis code to denominator inclusion for coronary artery disease (\$PRCATHD)

Add code:

- 414.3 Coronary atherosclerosis due to lipid rich plaque

B. FY2009 DRG Changes

None

C. Indicator Specification Changes

1. IQI #1 – Esophageal resection volume

a) Add procedure code to denominator inclusion criteria for esophageal resection (\$PRESO2P) only if accompanied by selected *principal* diagnosis codes (\$PRESOPD and \$PRESO2D)

Add code:

- 43.99 Other total gastrectomy

ONLY if codes:

- 150.0 Malignant neoplasm of esophagus, cervical
- 150.1 Malignant neoplasm of esophagus, thoracic
- 150.2 Malignant neoplasm of esophagus, abdominal
- 150.3 Malignant neoplasm of esophagus, upper third of
- 150.4 Malignant neoplasm of esophagus, middle third of
- 150.5 Malignant neoplasm of esophagus, lower third of
- 150.8 Malignant neoplasm of esophagus, other specified part
- 150.9 Malignant neoplasm of esophagus, unspecified
- 151.0 Malignant neoplasm of stomach, cardia

- 197.8 Secondary malignant neoplasm of respiratory and digestive systems, other digestive organs and spleen
- 230.1 Carcinoma in situ of digestive organs, Esophagus
- 235.5 Neoplasm of uncertain behavior of digestive and respiratory systems, other and unspecified digestive organs

b) Add diagnosis code to denominator inclusion criteria for esophageal resection (\$PRESOPD)

Add code:

- 151.0 Malignant neoplasm of stomach, cardia

2. IQI #8 – Esophageal resection mortality

a) Add procedure code to denominator inclusion criteria for esophageal resection (\$PRESO2P) only if accompanied by selected *principal* diagnosis codes (\$PRESOPD and \$PRESO2D)

Add code:

- 43.99 Other total gastrectomy

ONLY if codes:

- 150.0 Malignant neoplasm of esophagus, cervical
- 150.1 Malignant neoplasm of esophagus, thoracic
- 150.2 Malignant neoplasm of esophagus, abdominal
- 150.3 Malignant neoplasm of esophagus, upper third of
- 150.4 Malignant neoplasm of esophagus, middle third of
- 150.5 Malignant neoplasm of esophagus, lower third of
- 150.8 Malignant neoplasm of esophagus, other specified part
- 150.9 Malignant neoplasm of esophagus, unspecified
- 151.0 Malignant neoplasm of stomach, cardia

- 197.8 Secondary malignant neoplasm of respiratory and digestive systems, other digestive organs and spleen
- 230.1 Carcinoma in situ of digestive organs, Esophagus
- 235.5 Neoplasm of uncertain behavior of digestive and respiratory systems, other and unspecified digestive organs

b) Add diagnosis code to denominator inclusion criteria for esophageal resection (\$PRESOPD)

Add code:

151.0 Malignant neoplasm of stomach, cardia

3. IQI #13 – Craniotomy mortality

a) Add denominator inclusion criteria for MS-DRGs for discharges after 2007Q4 (effective October 1, 2007)

Add codes:

020 Intracranial vascular procedures with PDX hemorrhage w MCC
021 Intracranial vascular procedures with PDX hemorrhage w CC
022 Intracranial vascular procedures with PDX hemorrhage w/o CC/MCC
023 Craniotomy w major device implant or acute complex CNS PDX w MCC
024 Craniotomy w major device implant or acute complex CNS PDX w/o MCC
025 Craniotomy & endovascular intracranial procedures w MCC
026 Craniotomy & endovascular intracranial procedures w CC
027 Craniotomy & endovascular intracranial procedures w/o CC/MCC
031 Ventricular shunt procedures with MCC
032 Ventricular shunt procedures w CC
033 Ventricular shunt procedures w/o CC/MCC

4. IQI #14 – Hip replacement mortality

a) Add denominator exclusion for diagnosis of hip fracture (\$MTHIPFD)

5. IQI #19 – Hip fracture mortality

a) Add denominator exclusion for diagnosis of periprosthetic fracture (\$MTHIP2D)

Add code:

996.44 Mechanical complication of internal orthopedic device, implant, and graft, peri-prosthetic fracture around prosthetic joint

6. IQI #21 – Cesarean Section Delivery

a) Add denominator inclusion criteria for MS-DRGs for discharges after 2007Q4 (effective October 1, 2007)

Add codes:

765 Cesarean section w CC/MCC
766 Cesarean section w/o CC/MCC
767 Vaginal delivery w sterilization &/or D&C
768 Vaginal delivery w O.R. proc except steril &/or D&C
774 Vaginal delivery w complicating diagnoses

775 Vaginal delivery w/o complicating diagnoses

7. IQI #22 – VBAC

a) Add denominator inclusion criteria for MS-DRGs for discharges after 2007Q4 (effective October 1, 2007)

Add codes:

- 765 Cesarean section w CC/MCC
- 766 Cesarean section w/o CC/MCC
- 767 Vaginal delivery w sterilization &/or D&C
- 768 Vaginal delivery w O.R. proc except steril &/or D&C
- 774 Vaginal delivery w complicating diagnoses
- 775 Vaginal delivery w/o complicating diagnoses

b) Add numerator inclusion criteria for MS-DRGs for discharges after 2007Q4 (effective October 1, 2007)

Add codes:

- 767 Vaginal delivery w sterilization &/or D&C
- 768 Vaginal delivery w O.R. proc except steril &/or D&C
- 774 Vaginal delivery w complicating diagnoses
- 775 Vaginal delivery w/o complicating diagnoses

8. IQI #24 – Incidental appendectomy

a) Replace the DRG denominator inclusion for Intra-Abdominal Procedure (PRAPPNG) with a procedure code denominator inclusion for abdominal and pelvic surgery (\$PRAPP2P). See Table I.24.

b) Add denominator exclusion for surgical removal of the colon (colectomy) or pelvic evisceration (\$PRAPP3P)

Add codes:

- 45.71 Multiple Segmental Resection of Large Intestine
- 45.72 Cesection
- 45.73 Right Hemicolectomy
- 45.74 Resection Of Transverse Colon
- 45.75 Left Hemicolectomy
- 45.76 Sigmoidectomy
- 45.79 Other Partial Excision of Large Intestine
- 45.8 Total intra-abdominal colectomy (no longer valid)
- 68.8 Pelvic evisceration

c) Add denominator exclusion for diagnosis of cancer involving or adjacent to the appendix (PRAPPND)

Add codes:

- 153.4 Malignant neoplasm of colon, cecum
- 153.5 Malignant neoplasm of colon, appendix
- 153.6 Malignant neoplasm of colon, ascending colon
- 153.8 Malignant neoplasm of colon, other specified sites of large intestine
- 153.9 Malignant neoplasm of colon, NOS
- 158.8 Malignant neoplasm of retroperitoneum and peritoneum, specified parts of peritoneum
- 158.9 Malignant neoplasm of retroperitoneum and peritoneum, peritoneum, unspecified
- 159.0 Malignant neoplasm of other and ill-defined sites within the digestive organs and peritoneum, intestinal tract, part unspecified
- 159.8 Malignant neoplasm of other and ill-defined sites within the digestive organs and peritoneum, other sites of digestive system and intra-abdominal organs
- 159.9 Malignant neoplasm of other and ill-defined sites within the digestive organs and peritoneum, ill-defined
- 195.2 Malignant neoplasm of other and ill-defined sites, abdomen
- 197.5 Secondary malignant neoplasm of respiratory and digestive systems, large intestine and rectum
- 197.6 Secondary malignant neoplasm of respiratory and digestive systems, retroperitoneum and peritoneum

9. IQI #25 – Bilateral catheterization

a) Add diagnosis codes to denominator exclusion for indications for right heart catheterization (\$PRCAT2D). See Table I.25.

Appendix Tables

Table I.24 Abdominal and Pelvic Surgery Procedure Codes (\$PRAPP2P)

Code	Title
41.2	SPLENOTOMY
41.33	OPEN BIOPSY OF SPLEEN
41.41	MARSUPIALIZATION OF SPLENIC CYST
41.42	EXCISION OF LESION OR TISSUE OF SPLEEN
41.43	PARTIAL SPLENECTOMY
41.5	TOTAL SPLENECTOMY
41.93	EXCISION OF ACCESSORY SPLEEN
41.94	TRANSPLANTATION OF SPLEEN
41.95	REPAIR AND PLASTIC OPERATIONS ON SPLEEN
41.99	OTHER OPERATIONS ON SPLEEN
42.40	ESOPHAGECTOMY, NOS
42.41	PARTIAL ESOPHAGECTOMY (HAS 1 CASE_
42.42	TOTAL ESOPHAGECTOMY (HASE 1 CASE)
42.53	INTRATHORACIC ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF SMALL BOWEL
42.54	OTHER INTRATHORACIC ESOPHAGOENTEROSTOMY
42.55	INTRATHORACIC ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF COLON
42.56	OTHER INTRATHORACIC ESOPHAGOCOLOSTOMY
42.63	ANTESTERNAL ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF SMALL BOWEL
42.64	OTHER ANTESTERNAL ESOPHAGOENTEROSTOMY
42.65	ANTESTERNAL ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF COLON
42.66	OTHER ANTESTERNAL ESOPHAGOCOLOSTOMY
42.91	LIGATION OF ESOPHAGEAL VARICES
43.0	GASTROTOMY
43.3	PYLOROMYOTOMY
43.42	LOCAL EXCISION OF OTHER LESION OR TISSUE OF STOMACH (HAS 10 CASES)
43.49	OTHER DESTRUCTION OF LESION OR TISSUE OF STOMACH (HAS 1 CASE)
43.5	PARTIAL GASTRECTOMY W/ ANASTOMOSIS TO ESOPHAGUS
43.6	PARTIAL GASTRECTOMY W/ ANASTOMOSIS TO DUODENUM
43.7	PARTIAL GASTRECTOMY W/ ANASTOMOSIS TO JEJUNUM
43.81	PARTIAL GASTRECTOMY W/ JEJUNA TRANSPOSITION
43.89	OTHER PARTIAL GASTRECTOMY
43.91	TOTAL GASTRECTOMY W/ INTESTINAL INTERPOSITION
43.99	OTHER TOTAL GASTRECTOMY
44.00	VAGOTOMY, NOS
44.01	TRUNCAL VAGOTOMY (HAS ONE CASE)
44.02	HIGHLY SELECTIVE VAGOTOMY
44.03	OTHER SELECTIVE VAGOTOMY
44.11	TRANSABDOMINAL GASTROSCOPY
44.15	OPEN BIOPSY OF STOMACH (HAS ONE CASE)
44.21	DILATION OF PYLORUS BY INCISION
44.29	OTHER PYLOROPLASTY HAS 6 CASES
44.31	HIGH GASTRIC BYPASS HAS 1 CASE
44.38	LAPAROSCOPIC GASTROENTEROSTOMY
44.39	OTHER GASTROENTEROSTOMY

Code	Title
44.40	SUTURE OF PEPTIC ULCER, NOS
44.41	SUTURE OF GASTRIC ULCER SITE
44.42	SUTURE OF DUODENAL ULCER SITE
44.5	REVISION OF GASTRIC ANASTOMOSIS
44.61	SUTURE OF LACERATION OF STOMACH
44.63	CLOSURE OF OTHER GASTRIC FISTULA HAS 14 CASES
44.64	GASTROPEXY
44.65	ESOPHAGOGASTROPLASTY
44.66	OTHER PROCEDURES FOR CREATION OF ESOPHAGOGASTRIC SPHINCTERIC COMPETENCE
44.67	LAPAROSCOPIC PROCEDURES FOR CREATION OF ESOPHAGOGASTRIC SPHINCTERIC COMPETENCE
44.68	LAPAROSCOPIC GASTROPLASTY
44.69	OTHER REPAIR OF STOMACH
44.91	LIGATION OF GASTRIC VARICES
44.92	INTRAOPERATIVE MANIPULATION OF STOMACH
44.95	LAPAROSCOPIC GASTRIC RESTRICTIVE PROCEDURE
44.96	LAPAROSCOPIC REVISION OF GASTRIC RESTRICTIVE PROCEDURE
44.97	LAPAROSCOPIC REVISION OF GASTRIC RESTRICTIVE DEVICES
44.99	GASTRIC OPERATION NEC (OCT 04)
45.00	INCISION OF INTESTINE, NOS
45.01	INCISION OF DUODENUM
45.02	OTHER INCISION OF SMALL INTESTINE
45.03	INCISION OF LARGE INTESTINE
45.11	TRANSABDOMINAL ENDOSCOPY
45.15	OPEN BIOPSY OF SMALL INTESTINE
45.21	TRANSABDOMINAL ENDOSCOPY OF LARGE INTESTINE
45.26	OPEN BIOPSY OF LARGE INTESTINE
45.31	OTHER LOCAL EXCISION OF LESION OF DUODENUM
45.32	OTHER DESTRUCTION OF LESION OF DUODENUM
45.33	LOCAL EXCISION OF LESION OR TISSUE OF SMALL INTESTINE, EXCEPT DUODENUM
45.34	OTHER DESTRUCTION OF LESION OF SMALL INTESTINE, EXCEPT DUODENUM
45.41	EXCISION OF LESION OR TISSUE OF LARGE INTESTINE
45.49	OTHER DESTRUCTION OF LESION OF LARGE INTESTINE
45.50	ISOLATION OF INTESTINAL SEGMENT, NOS
45.51	ISOLATION OF SEGMENT OF SMALL INTESTINE
45.52	ISOLATION OF SEGMENT OF LARGE INTESTINE
45.61	MULTIPLE SEGMENTAL RESECTION OF SMALL INTESTINE
45.62	OTHER PARTIAL RESECTION OF SMALL INTESTINE
45.63	TOTAL REMOVAL OF SMALL INTESTINE
45.8	TOTAL INTRA-ABDOMINAL COLECTOMY
45.90	INTESTINAL ANASTOMOSIS, NOS
45.91	SMALL-TO-SMALL INTESTINAL ANASTOMOSIS
45.92	ANASTOMOSIS OF SMALL INTESTINE TO RECTAL STUMP
45.93	OTHER SMALL-TO-LARGE INTESTINAL ANASTOMOSIS
45.94	LARGE-TO-LARGE INTESTINAL ANASTOMOSIS
45.95	ANASTOMOSIS TO ANUS
46.01	EXTERIORIZATION OF SMALL INTESTINE

Code	Title
46.03	EXTERIORIZATION OF LARGE INTESTINE
46.10	COLOSTOMY, NOS
46.11	TEMPORARY COLOSTOMY
46.13	PERMANENT COLOSTOMY
46.14	DELAYED OPENING OF COLOSTOMY
46.20	ILEOSTOMY, NOS
46.21	TEMPORARY ILESOSTOMY
46.22	CONTINENT ILEOSTOMY
46.23	OTHER PERMANENT ILEOSTOMY
46.40	REVISION OF INTESTINA STOMA, NOS
46.41	REVISION OF STOMA OF SMALL INTESTINE
46.42	REPAIR OF PERICOLOSTOMY HERNIA
46.43	OTHER REVISION OF STOMA OF LARGE INTESTINE
46.50	CLOSURE OF INTESTINAL STOMA, NOT OTHERWISE SPECIFIED
46.51	CLOSURE OF STOMA OF SMALL INTESTINE
46.52	CLOSURE OF STOMA OF LARGE INTESTINE
46.60	FIXATION OF INTESTINE, NOS
46.61	FIXATION OF SMALL INTESTINE TO ABDOMINAL WALL
46.62	OTHER FIXATION OF SMALL INTESTINE
46.63	FIXATION OF LARGE INTESTINE TO ABDOMINAL WALL
46.64	OTHER FIXATION OF LARGE INTESTINE
46.72	CLOSURE OF FISTULA OF DUODENUM
46.73	SUTURE OF LACERATION OF SMALL INTESTINE, EXCEPT DUODENUM
46.74	CLOSURE OF FISTULA OF SMALL INTESTINE, EXCEPT DUODENUM
46.75	SUTURE OF LACERATION OF LARGE INTESTINE
46.76	CLOSURE OF FISTULA OF LARGE INTESTINE
46.79	OTHER REPAIR OF INTESTINE
46.80	INTRA-ABDOMINAL MANIPULATION OF INTESTINE, NOS
46.81	INTRA-ABDOMINAL MANIPULATION OF SMALL INTESTINE
46.82	INTRA-ABDOMINAL MANIPULATION OF LARGE INTESTINE
46.91	MYOTOMY OF SIGMOID COLON
46.92	MYOTOMY OF OTHER PARTS OF COLON
46.93	REVISION OF ANASTOMOSIS OF SMALL INTESTINE
46.94	REVISION OF ANASTOMOSIS OF LARGE INTESTINE
46.97	TRANSPLANT OF INTESTINE
46.99	OTHER OPERATIONS ON INTESTINES
48.21	TRANSABDOMINAL PROCTOSIGMOIDOSCOPY
48.25	OPEN BIOPSY OF RECTUM
48.41	SUBMUCOSAL RESECTION OF RECTUM
48.49	OTHER PULL-THROUGH RESECTION OF RECTUM \
48.5	ABDOMINOPERINEAL RESECTION OF RECTUM
48.71	SUTURE OF LACERATION OF RECTUM
48.74	RECTORECTOSTOMY
48.75	ABDOMINAL PROCTOPEXY
50.0	HEPATOTOMY
50.12	OPEN BIOPSY OF LIVER
50.14	LAPAROSCOPIC LIVER BIOPSY
50.19	OTHER DIAGNOSTIC PROCEDURES ON LIVER
50.21	MARSUPIALIZATION OF LESION OF LIVER

Code	Title
50.22	PARTIAL HEPATECTOMY HAS 3 CASES
50.23	OPN ABLTN LIVER LES/TISS OCT06-
50.25	LAPAROSCOPIC ABLATION OF LIVER LESION OR TISSUE
50.26	ABLTN LIVER LES/TISS NEC OCT06-
50.29	OTHER DESTRUCTION OF LESION OF LIVER HAS 2 CASES
50.3	LOBECTOMY OF LIVER
50.4	TOTAL HEPATECTOMY
50.51	AUXILIARY LIVER TRANSPLANT
50.59	OTHER TRANSPLANT OF LIVER
50.61	CLOSURE OF LACERATION OF LIVER
50.69	OTHER REPAIR OF LIVER
51.02	TROCAR CHOLECYSTOSTOMY
51.03	OTHER CHOLECYSTOSTOMY
51.04	OTHER CHOLECYSTOTOMY
51.13	OPEN BIOPSY OF GALLBLADDER OR BILE DUCTS
51.19	OTHER DIAGNOSTIC PROCEDURES ON BILIARY TRACT
51.21	OTHER PARTIAL CHOLECYSTECTOMY
51.22	CHOLECYSTECTOMY
51.23	LAPAROSCOPIC CHOLECYSTECTOMY SE 51.22 WITH 116 CASES, THIS ONE HAS 7 CASES
51.24	LAPAROSCOPIC PARTIAL CHOLECYSTECTOMY
51.31	ANASTOMOSIS OF GALLBLADDER TO HEPATIC DUCTS
51.32	ANASTOMOSIS OF GALLBLADDER TO INTESTINE
51.33	ANASTOMOSIS OF GALLBLADDER TO PANCREAS
51.34	ANASTOMOSIS OF GALLBLADDER TO STOMACH
51.35	OTHER GALLBLADDER ANASTOMOSIS
51.36	CHOLEDOCHOENTEROSTOMY
51.37	ANASTOMOSIS OF HEPATIC DUCT TO GASTROINTESTINAL TRACT
51.39	OTHER BILE DUCT ANASTOMOSIS
51.41	COMMON DUCT EXPLORATION FOR REMOVAL OF CALCULUS
51.42	COMMON DUCT EXPLORATION FOR RELIEF OF OTHER OBSTRUCTION
51.43	INSERTION OF CHOLEDOCHOHEPATIC TUBE FOR DECOMPRESSION
51.49	INCISION OF OTHER BILE DUCTS FOR RELIEF OF OBSTRUCTION
51.51	EXPLORATION OF COMMON DUCT
51.59	INCISION OF OTHER BILE DUCT
51.61	EXCISION OF CYSTIC DUCT REMNANT
51.62	EXCISION OF AMPULLA OF VATER (WITH REIMPLANTATION OF COMMON DUCT)
51.63	OTHER EXCISION OF COMMON DUCT
51.69	EXCISION OF OTHER BILE DUCT
51.71	SIMPLE SUTURE OF COMMON BILE DUCT
51.72	CHOLEDOCHOPLASTY
51.79	REPAIR OF OTHER BILE DUCTS
51.81	DILATION OF SPHINCTER OF ODDI
51.82	PANCREATIC SPHINCTEROTOMY
51.83	PANCREATIC SPHINCTEROPLASTY
51.89	OTHER OPERATIONS ON SPHINCTER OF ODDI
51.91	REPAIR OF LACERATION OF GALLBLADDER
51.92	CLOSURE OF CHOLECYSTOSTOMY
51.93	CLOSURE OF OTHER BILIARY FISTULA

Code	Title
51.94	REVISION OF ANASTOMOSIS OF BILIARY TRACT
51.95	REMOVAL OF PROSTHETIC DEVICE FROM BILE DUCT
51.99	OTHER OPERATIONS ON BILIARY TRACT
52.01	DRAINAGE OF PANCREATIC CYST BY CATHETER
52.09	OTHER PANCREATOTOMY
52.12	OPEN BIOPSY OF PANCREAS
52.19	OTHER DIAGNOSTIC PROCEDURES ON PANCREAS
52.22	OTHER EXCISION OR DESTRUCT OF LESION OR TISSUE OF PANCREAS OR PANC DUCT
52.3	MARSUPIALIZATION OF PANCREATIC CYST
52.4	INTERNAL DRAINAGE OF PANCREATIC CYST
52.51	PROXIMAL PANCREATECTOMY
52.52	DISTAL PANCREATECTOMY
52.53	RADICAL SUBTOTAL PANCREATECTOMY
52.59	OTHER PARTIAL PANCREATECTOMY (HAS 1 CASE)
52.6	TOTAL PANCREATECTOMY
52.7	RADICAL PANCREATICODUODENECTOMY
52.80	PANCREATIC TRANSPLANT, NOS
52.81	REIMPLANTATION
52.82	HOMOTRANSPLANT OF PANCREAS
52.83	HETEROTRANSPLANT OF PANCREAS
52.92	CANNULATION OF PANCREATIC DUCT
52.95	OTHER REPAIR OF PANCREAS
52.96	ANASTOMOSIS OF PANCREAS (HAS 1 CASE)
52.99	OTHER OPERATIONS ON PANCREAS
53.00	UNILATERAL REPAIR OF INGUINAL HERNIA, NOS
53.01	REPAIR OF DIRECT INGUINAL HERNIA HAS 2 CASES
53.02	REPAIR OF INDIRECT INGUINAL HERNIA HAS 2 CASES
53.03	REPAIR OF DIRECT INGUINAL HERNIA W/ GRAFT OR PROSTHESIS HAS 1 CASE
53.04	REPAIR OF INDIRECT INGUINAL HERNIA W/ GRAFT OR PROSTHESIS
53.05	REPAIR OF INGUINAL HERNIA W/ GRAFT OR PROSTHESIS, NOS
53.10	BILATERAL REPAIR OF INGUINAL HERNIA, NOS
53.11	BILATERAL REPAIR OF DIRECT INGUINAL HERNIA HAS 1 CASE
53.12	BILATERAL REPAIR OF INDIRECT INGUINAL HERNIA
53.13	BILATERAL REPAIR OF INGUINAL HERNIA, ONE DIRECT AND ONE INDIRECT
53.14	BILATERAL REPAIR OF DIRECT INGUINAL HERNIA W/ GRAFT OR PROSTHESIS
53.15	BILATERAL REPAIR OF INDIRECT INGUINAL HERNIA W/ GRAFT OR PROSTHESIS
53.16	BILATERAL REPAIR OF INGUIN HERNIA, 1 DIRECT 1 INDIRECT, W/ GRAFT OR PROS
53.17	BILATERAL INGUINAL HERNIA REPAIR W/ GRAFT OR PROSTHESIS, NOS
53.21	UNILATERAL REPAIR OF FEMORAL HERNIA
53.29	OTHER UNILATERAL FEMORAL HERNIORRHAPHY HAS 1 CASE
53.31	BILATERAL REPAIR OF FEMORAL HERNIA W/ GRAFT OR PROSTHESIS
53.39	OTHER BILATERAL FEMORAL HERNIORRHAPHY
53.41	REPAIR OF UMBILICAL HERNIA W/ PROSTHESIS
53.49	OTHER UMBILICAL HERNIORRHAPHY HAS 2 CASES
53.51	INCISIONAL HERNIA REPAIR HAS 2 CASES
53.59	REPAIR OF OTHER HERNIA OF ANTERIOR ABDOMINAL WALL (HAS 5 CASES)
53.61	INCISIONAL HERNIA REPAIR W/ PROSTHESIS (HAS 6 CASES)

Code	Title
53.69	REPAIR OF OTHER HERNIA OF ANTERIOR ABDOMINAL WALL W/ PROSTHESIS HAS 1 CASE
53.7	REPAIR OF DIAPHRAGMATIC HERNIA, ABDOMINAL APPROACH
54.0	INCISION OF ABDOMINAL WALL
54.11	EXPLORATORY LAPAROTOMY
54.12	REOPENING OF RECENT LAPAROTOMY SITE
54.19	OTHER LAPAROTOMY
54.21	LAPAROSCOPY
54.22	BIOPSY OF ABDOMINAL WALL OR UMBILICUS
54.23	BIOPSY OF ABDOMINAL WALL OR UMBILICUS (HAS 2 CASES)
54.29	OTHER DIAGNOSTIC PROCEDURES ON ABDOMINAL REGION
54.3	EXCISION OR DESTRUCTION OF LESION OR TISSUE OF ABDOMINAL WALL OR UMBILICUS
54.4	EXCISION OR DESTRUCTION OF PERITONEAL TISSUE
54.51	LAPAROSCOPIC LYSIS OF PERITONEAL ADHESIONS
54.59	OTHER LYSIS OF PERITONEAL ADHESIONS HAS 463 CASES
54.61	RECLOSURE OF POSTOPERATIVE DISRUPTION OF ABDOMINAL WALL
54.62	DELAYED CLOSURE OF GRANULATING ABDOMINAL WOUND
54.63	OTHER SUTURE OF ABDOMINAL WALL
54.64	SUTURE OF PERITONEUM
54.71	REPAIR OF GASTROSCHISIS
54.72	OTHER REPAIR OF ABDOMINAL WALLS
54.73	OTHER REPAIR OF PERITONEUM
54.74	OTHER REPAIR OF OMENTUM
54.75	OTHER REPAIR OF MESENTERY
54.92	REMOVAL OF FOREIGN BODY FROM PERITONEAL CAVITY HAS 1 CASE
54.93	CREATION OF CUTANEOPERITONEAL FISTULA
54.94	CREATION OF PERITONEOVASCULAR SHUNT
54.95	INCISION OF PERITONEUM
56.51	FORMATION OF CUTANEOUS URETERO-ILEOSTOMY
56.52	REVISION OF CUTANEOUS URETERO-ILEOSTOMY
56.61	FORMATION OF OTHER CUTANEOUS URETEROSTOMY
56.62	REVISION OF OTHER CUTANEOUS URETEROSTOMY
56.71	URINARY DIVERSION TO INTESTINE
56.72	REVISION OF URETEROINTESTINAL ANASTOMOSIS
59.00	RETROPERITONEAL DISSECTION, NOS
65.01	LAPAROSCOPIC OOPHOROTOMY
65.09	OTHER OOPHORECTOMY
65.12	OTHER BIOPSY OF OVARY
65.21	MARSUPIALIZATION OF OVARIAN CYST
65.22	WEDGE RESECTION OF OVARY
65.23	LAPAROSCOPIC MARSUPIALIZATION OF OVARIAN CYST
65.24	LAPAROSCOPIC WEDGE RESECTION OF OVARY
65.25	OTHER LAPAROSCOPIC LOCAL EXCISION OR DESTRUCTION OF OVARY
65.29	OTHER LOCAL EXCISION OR DESTRUCTION OF OVARY
65.31	LAPAROSCOPIC UNILATERAL OOPHORECTOMY
65.39	OTHER UNILATERAL OOPHORECTOMY
65.41	LAPAROSCOPIC UNILATERAL SALPINGO-OOPHORECTOMY
65.49	OTHER UNILATERAL SALPINGO-OOPHORECTOMY

Code	Title
65.51	OTHER REMOVAL OF BOTH OVARIES AT SAME OPERATIVE EPISODE
65.52	OTHER REMOVAL OF REMAINING OVARY
65.53	LAPAROSCOPIC REMOVAL OF BOTH OVARIES AT SAME OPERATIVE EPISODE
65.54	LAPAROSCOPIC REMOVAL OF REMAINING OVARY
65.61	OTHER REMOVAL OF BOTH OVARIES AND TUBES AT SAME OPERATIVE EPISODE
65.62	OTHER REMOVAL OF REMAINING OVARY AND TUBE
65.63	LAPAROSCOPIC REMOVAL OF BOTH OVARIES AND TUBES AT SAME OPERATIVE EPISODE
65.64	LAPAROSCOPIC REMOVAL OF REMAINING OVARY AND TUBE
65.71	OTHER SIMPLE SUTURE OF OVARY
65.72	OTHER REIMPLANTATION OF OVARY
65.73	OTHER SALPINGO OOPHOROPLASTY
65.74	LAPAROSCOPIC SIMPLE SUTURE OF OVARY
65.75	LAPAROSCOPIC REIMPLANTATION OF OVARY
65.76	LAPAROSCOPIC SALPINGO-OOPHOROPLASTY
65.79	OTHER REPAIR OF OVARY
65.81	LAPAROSCOPIC LYSIS OF ADHESIONS OF OVARY AND FALLOPIAN TUBE
65.89	OTHER LYSIS OF ADHESIONS OF OVARY AND FALLOPIAN TUBE
65.92	TRANSPLANTATION OF OVARY
65.93	MANUAL RUPTURE OF OVARIAN CYST
65.94	OVARIAN DENERVATION
65.95	RELEASE OF TORSION OF OVARY
65.99	OTHER OPERATIONS ON OVARY
66.01	SALPINGOTOMY
66.02	SALPINGOSTOMY
66.11	BIOPSY OF FALLOPIAN TUBE
66.19	OTHER DIAGNOSTIC PROCEDURES ON FALLOPIAN TUBES
66.31	OTHER BILATERAL LIGATION AND CRUSHING OF FALLOPIAN TUBES
66.32	OTHER BILATERAL LIGATION AND DIVISION OF FALLOPIAN TUBES
66.39	OTHER BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES
66.4	TOTAL UNILATERAL SALPINGECTOMY
66.51	REMOVAL OF BOTH FALLOPIAN TUBES AT SAME OPERATIVE EPISODE
66.52	REMOVAL OF REMAINING FALLOPIAN TUBE
66.61	EXCISION OR DESTRUCTION OF LESION OF FALLOPIAN TUBE
66.62	SALPINGECTOMY W/ REMOVAL OF TUBAL PREGNANCY
66.63	BILATERAL PARTIAL SALPINGECTOMY, NOS
66.69	OTHER PARTIAL SALPINGECTOMY
66.71	SIMPLE SUTURE OF FALLOPIAN TUBE
66.72	SALPINGO-OOPHOROSTOMY
66.73	SALPINGO-SALPINGOSTOMY
66.74	SALPINGO-UTEROSTOMY
66.79	OTHER REPAIR OF FALLOPIAN TUBE
66.92	UNILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBE
66.93	IMPLANTATION OR REPLACEMENT OF PROSTHESIS OF FALLOPIAN TUBE
66.94	REMOVAL OF PROSTHESIS OF FALLOPIAN TUBE
66.96	DILATION OF FALLOPIAN TUBE
66.97	BURYING OF FIMBRIAE IN UTERINE WALL
66.99	OTHER OPERATION OF FALLOPIAN TUBE
68.0	OTHER INCISION AND EXCISION OF UTERUS

Code	Title
68.13	OPEN BIOPSY OF UTERUS
68.14	OPEN BIOPSY OF UTERINE LIGAMENTS
68.19	OTHER DIAGNOSTIC PROCEDURES ON UTERUS AND SUPPORTING STRUCTURES
68.23	ENDOMETRIAL ABLATION
68.29	OTHER EXCISION OR DESTRUCTION OF LESION OF UTERUS
68.3	SUBTOTAL ABDOMINAL HYSTERECTOMY
68.31	LAPAROSCOPIC SUPRACERVICAL HYSTERECTOMY [LSH]
68.39	OTHER SUBTOTAL ABDOMINAL HYSTERECTOMY
68.4	TOTAL ABDOMINAL HYSTERECTOMY
68.41	LAP TOTAL ABDOMINAL HYST OCT06-
68.49	TOTAL ABD HYST NEC/NOS OCT06-
68.6	RADICAL ABDOMINAL HYSTERECTOMY
68.61	LAP RADICAL ABDOMNL HYST OCT06-
68.69	RADICAL ABD HYST NEC/NOS OCT06-
68.8	PELVIC EVISCERATION
68.9	OTHER AND UNSPECIFIED HYSTERECTOMY
69.19	OTHER EXCISION OR DESTRUCTION OF UTERUS AND SUPPORTING STRUCTURES
69.21	INTERPOSITION OPERATION
69.22	OTHER UTERINE SUSPENSION
69.23	VAGINAL REPAIR OF CHRONIC INVERSION OF UTERUS
69.29	OTHER REPAIR OF UTERUS AND SUPPORTING STRUCTURES
69.3	PARACERVICAL UTERINE DENERVATION
69.41	SUTURE OF LACERATION OF UTERUS
69.42	CLOSURE OF FISTULA OF UTERUS
69.49	OTHER REPAIR OF UTERUS
69.98	OTHER OPERATIONS ON SUPPORTING STRUCTURES OF UTERUS

Table I.25 Indications for Right Heart Catheterization (\$PRCAT2D)

Code	Title
420.0	AC PERICARDIT IN OTH DIS
420.90	ACUTE PERICARDITIS NOS
420.91	AC IDIOPATH PERICARDITIS
420.99	ACUTE PERICARDITIS NEC
421.0	AC/SUBAC BACT ENDOCARD
421.1	AC ENDOCARDIT IN OTH DIS
421.9	AC/SUBAC ENDOCARDIT NOS
422.0	AC MYOCARDIT IN OTH DIS
422.90	ACUTE MYOCARDITIS NOS
422.91	IDIOPATHIC MYOCARDITIS
422.92	SEPTIC MYOCARDITIS
422.93	TOXIC MYOCARDITIS
422.99	ACUTE MYOCARDITIS NEC
423.0	HEMOPERICARDIUM
423.1	ADHESIVE PERICARDITIS
423.2	CONSTRUCTIV PERICARDITIS
423.3	CARDIAC TAMPONADE
423.8	PERICARDIAL DISEASE NEC
423.9	PERICARDIAL DISEASE NOS
424.0	MITRAL VALVE DISORDER

424.1	AORTIC VALVE DISORDER
424.2	NONRHEUM TRICUSP VAL DIS
424.90	ENDOCARDITIS NOS
424.91	ENDOCARDITIS IN OTH DIS
424.99	ENDOCARDITIS NEC
425.0	ENDOMYOCARDIAL FIBROSIS
425.1	HYPERTR OBSTR CARDIOMYOP
425.2	OBSC AFRIC CARDIOMYOPATH
425.3	ENDOCARD FIBROELASTOSIS
425.4	PRIM CARDIOMYOPATHY NEC
425.5	ALCOHOLIC CARDIOMYOPATHY
425.7	METABOLIC CARDIOMYOPATHY
425.8	CARDIOMYOPATH IN OTH DIS
425.9	SECOND CARDIOMYOPATH NOS
428.0	CHF NOS
428.1	LEFT HEART FAILURE
428.20	SYSTOLIC HRT FAILURE NOS
428.21	AC SYSTOLIC HRT FAILURE
428.22	CHR SYSTOLIC HRT FAILURE
428.23	AC ON CHR SYST HRT FAIL
428.30	DIASTOLC HRT FAILURE NOS
428.31	AC DIASTOLIC HRT FAILURE
428.32	CHR DIASTOLIC HRT FAIL
428.33	AC ON CHR DIAST HRT FAIL
428.40	SYST/DIAST HRT FAIL NOS
428.41	AC SYST/DIASTOL HRT FAIL
428.42	CHR SYST/DIASTL HRT FAIL
428.43	AC/CHR SYST/DIA HRT FAIL
428.9	HEART FAILURE NOS