



## **Inpatient Quality Indicator 24 (IQI 24) Incidental Appendectomy in the Elderly Rate**

**March 2016**

**Provider-Level Indicator**

**Type of Score: Rate**

**Prepared by:**

Agency for Healthcare Research and Quality

U.S. Department of Health and Human Services

[www.qualityindicators.ahrq.gov](http://www.qualityindicators.ahrq.gov)

### **DESCRIPTION**

Incidental appendectomy discharges per 1,000 hospital discharges with abdominal or pelvic surgery for patients ages 65 years and older. Excludes surgical removal of the colon (colectomy) or pelvic evisceration discharges, appendiceal cancer discharges, and obstetric discharges.

*[NOTE: The software provides the rate per hospital discharge. However, common practice reports the measure as per 1,000 discharges. The user must multiply the rate obtained from the software by 1,000 to report specific procedure discharges per 1,000 hospital discharges.]*

**NUMERATOR**

Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with any-listed ICD-9-CM procedure codes for incidental appendectomy.

*Incidental appendectomy procedure codes: (PRAPPNP)*

471	INCIDENTAL APPENDECTOMY	4719	OTH INCID APPEND
4711	LAPAROSCOP INCID APPEND		

**DENOMINATOR**

Discharges, for patients ages 65 years and older, with any-listed ICD-9-CM procedure codes for abdominal and pelvic surgery.

*Abdominal and pelvic surgery procedure codes: (PRAPP2P)*

1711	LAP DIR ING HERN-GRAFT	5162	EXCISION OF AMPULLA OF VATER (WITH REIMPLANTATION OF COMMON DUCT)
1712	LAP INDIR ING HERN-GRAFT	5163	OTHER EXCISION OF COMMON DUCT
1713	LAP ING HERN-GRAFT NOS	5169	EXCISION OF OTHER BILE DUCT
1721	LAP BIL DIR ING HRN-GRFT	5171	SIMPLE SUTURE OF COMMON BILE DUCT
1722	LAP BI INDIR ING HRN-GRF	5172	CHOLEDOCHOPLASTY
1723	LAP BI DR/IND ING HRN-GR	5179	REPAIR OF OTHER BILE DUCTS
1724	LAP BIL ING HERN-GRF NOS	5181	DILATION OF SPHINCTER OF ODDI
412	SPLENOTOMY	5182	PANCREATIC SPHINCTEROTOMY
4133	OPEN BIOPSY OF SPLEEN	5183	PANCREATIC SPHINCTEROPLASTY
4141	MARSUPIALIZATION OF SPLENIC CYST	5189	OTHER OPERATIONS ON SPHINCTER OF ODDI
4142	EXCISION OF LESION OR TISSUE OF SPLEEN	5191	REPAIR OF LACERATION OF GALLBLADDER
4143	PARTIAL SPLENECTOMY	5192	CLOSURE OF CHOLECYSTOSTOMY
415	TOTAL SPLENECTOMY	5193	CLOSURE OF OTHER BILIARY FISTULA
4193	EXCISION OF ACCESSORY SPLEEN	5194	REVISION OF ANASTOMOSIS OF BILIARY TRACT
4194	TRANSPLANTATION OF SPLEEN	5195	REMOVAL OF PROSTHETIC DEVICE FROM BILE DUCT
4195	REPAIR AND PLASTIC OPERATIONS ON SPLEEN	5199	OTHER OPERATIONS ON BILIARY TRACT
4199	OTHER OPERATIONS ON SPLEEN	5201	DRAINAGE OF PANCREATIC CYST BY CATHETER
4240	ESOPHAGECTOMY, NOS	5209	OTHER PANCREATOTOMY
4241	PARTIAL ESOPHAGECTOMY	5212	OPEN BIOPSY OF PANCREAS
4242	TOTAL ESOPHAGECTOMY	5219	OTHER DIAGNOSTIC PROCEDURES ON PANCREAS
4253	INTRATHORACIC ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF SMALL BOWEL	5222	OTHER EXCISION OR DESTRUCT OF LESION OR TISSUE OF PANCREAS OR PANC DUCT

4254	OTHER INTRATHORACIC ESOPHAGOENTEROSTOMY	523	MARSUPIALIZATION OF PANCREATIC CYST
4255	INTRATHORACIC ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF COLON	524	INTERNAL DRAINAGE OF PANCREATIC CYST
4256	OTHER INTRATHORACIC ESOPHAGOCOLOSTOMY	5251	PROXIMAL PANCREATECTOMY
4263	ANTESTERNAL ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF SMALL BOWEL	5252	DISTAL PANCREATECTOMY
4264	OTHER ANTESTERNAL ESOPHAGOENTEROSTOMY	5253	RADICAL SUBTOTAL PANCREATECTOMY
4265	ANTESTERNAL ESOPHAGEAL ANASTOMOSIS W/ INTERPOSITION OF COLON	5259	OTHER PARTIAL PANCREATECTOMY
4266	OTHER ANTESTERNAL ESOPHAGOCOLOSTOMY	526	TOTAL PANCREATECTOMY
4291	LIGATION OF ESOPHAGEAL VARICES	527	RADICAL PANCREATICODUODENECTOMY
430	GASTROTOMY	5280	PANCREATIC TRANSPLANT, NOS
433	PYLOROMYOTOMY	5281	REIMPLANTATION
4342	LOCAL EXCISION OF OTHER LESION OR TISSUE OF STOMACH	5282	HOMOTRANSPLANT OF PANCREAS
4349	OTHER DESTRUCTION OF LESION OR TISSUE OF STOMACH	5283	HETEROTRANSPLANT OF PANCREAS
435	PARTIAL GASTRECTOMY W/ ANASTOMOSIS TO ESOPHAGUS	5292	CANNULATION OF PANCREATIC DUCT
436	PARTIAL GASTRECTOMY W/ ANASTOMOSIS TO DUODENUM	5295	OTHER REPAIR OF PANCREAS
437	PARTIAL GASTRECTOMY W/ ANASTOMOSIS TO JEJUNUM	5296	ANASTOMOSIS OF PANCREAS
4381	PARTIAL GASTRECTOMY W/ JEJUNA TRANSPOSITION	5299	OTHER OPERATIONS ON PANCREAS
4382	LAPAROSCOPIC VERTICAL (SLEEVE) GASTRECTOMY	5300	UNILATERAL REPAIR OF INGUINAL HERNIA, NOS
4389	OTHER PARTIAL GASTRECTOMY	5301	REPAIR OF DIRECT INGUINAL HERNIA
4391	TOTAL GASTRECTOMY W/ INTESTINAL INTERPOSITION	5302	REPAIR OF INDIRECT INGUINAL HERNIA
4399	OTHER TOTAL GASTRECTOMY	5303	REPAIR OF DIRECT INGUINAL HERNIA W/ GRAFT OR PROSTHESIS

4400	VAGOTOMY, NOS	5304	REPAIR OF INDIRECT INGUINAL HERNIA W/ GRAFT OR PROSTHESIS
4401	TRUNCAL VAGOTOMY	5305	REPAIR OF INGUINAL HERNIA W/ GRAFT OR PROSTHESIS, NOS
4402	HIGHLY SELECTIVE VAGOTOMY	5310	BILATERAL REPAIR OF INGUINAL HERNIA, NOS
4403	OTHER SELECTIVE VAGOTOMY	5311	BILATERAL REPAIR OF DIRECT INGUINAL HERNIA
4411	TRANSABDOMINAL GASTROSCOPY	5312	BILATERAL REPAIR OF INDIRECT INGUINAL HERNIA
4415	OPEN BIOPSY OF STOMACH	5313	BILATERAL REPAIR OF INGUINAL HERNIA, ONE DIRECT AND ONE INDIRECT
4421	DILATION OF PYLORUS BY INCISION	5314	BILATERAL REPAIR OF DIRECT INGUINAL HERNIA W/ GRAFT OR PROSTHESIS
4429	OTHER PYLOROPLASTY	5315	BILATERAL REPAIR OF INDIRECT INGUINAL HERNIA W/ GRAFT OR PROSTHESIS
4431	HIGH GASTRIC BYPASS	5316	BILATERAL REPAIR OF INGUINAL HERNIA, 1 DIRECT 1 INDIRECT, W/ GRAFT OR PROS
4438	LAPAROSCOPIC GASTROENTEROSTOMY	5317	BILATERAL INGUINAL HERNIA REPAIR W/ GRAFT OR PROSTHESIS, NOS
4439	OTHER GASTROENTEROSTOMY	5321	UNILATERAL REPAIR OF FEMORAL HERNIA
4440	SUTURE OF PEPTIC ULCER, NOS	5329	OTHER UNILATERAL FEMORAL HERNIORRHAPHY
4441	SUTURE OF GASTRIC ULCER SITE	5331	BILATERAL REPAIR OF FEMORAL HERNIA W/ GRAFT OR PROSTHESIS
4442	SUTURE OF DUODENAL ULCER SITE	5339	OTHER BILATERAL FEMORAL HERNIORRHAPHY
445	REVISION OF GASTRIC ANASTOMOSIS	5341	REPAIR OF UMBILICAL HERNIA W/ PROSTHESIS
4461	SUTURE OF LACERATION OF STOMACH	5342	LAP UMBIL HERNIA-GRAFT
4463	CLOSURE OF OTHER GASTRIC FISTULA	5343	LAP UMBILICAL HERNIA NEC
4464	GASTROPEXY	5349	OTHER UMBILICAL HERNIORRHAPHY
4465	ESOPHAGOGASTROPLASTY	5351	INCISIONAL HERNIA REPAIR

4466	OTHER PROCEDURES FOR CREATION OF ESOPHAGOGASTRIC SPHINCTERIC COMPETENCE	5359	REPAIR OF OTHER HERNIA OF ANTERIOR ABDOMINAL WALL
4467	LAPAROSCOPIC PROCEDURES FOR CREATION OF ESOPHAGOGASTRIC SPHINCTERIC COMPETENCE	5361	INCISIONAL HERNIA REPAIR W/ PROSTHESIS
4468	LAPAROSCOPIC GASTROPLASTY	5362	LAP INCIS HERN REPR-GRFT
4469	OTHER REPAIR OF STOMACH	5363	LAP HERN ANT ABD-GFT NEC
4491	LIGATION OF GASTRIC VARICES	5369	REPAIR OF OTHER HERNIA OF ANTERIOR ABDOMINAL WALL W/ PROSTHESIS
4492	INTRAOPERATIVE MANIPULATION OF STOMACH	537	REPAIR OF DIAPHRAGMATIC HERNIA, ABDOMINAL APPROACH
4495	LAPAROSCOPIC GASTRIC RESTRICTIVE PROCEDURE	5371	LAP ABD REP-DIAPHR HERN
4496	LAPAROSCOPIC REVISION OF GASTRIC RESTRICTIVE PROCEDURE	5372	OPN ABD DIAPHRM HERN NEC
4497	LAPAROSCOPIC REVISION OF GASTRIC RESTRICTIVE DEVICES	5375	ABD REP-DIAPHR HERN NOS
4499	GASTRIC OPERATION NEC (OCT 04)	540	INCISION OF ABDOMINAL WALL
4500	INCISION OF INTESTINE, NOS	5411	EXPLORATORY LAPAROTOMY
4501	INCISION OF DUODENUM	5412	REOPENING OF RECENT LAPAROTOMY SITE
4502	OTHER INCISION OF SMALL INTESTINE	5419	OTHER LAPAROTOMY
4503	INCISION OF LARGE INTESTINE	5421	LAPAROSCOPY
4511	TRANSABDOMINAL ENDOSCOPY	5422	BIOPSY OF ABDOMINAL WALL OR UMBILICUS
4515	OPEN BIOPSY OF SMALL INTESTINE	5423	BIOPSY OF ABDOMINAL WALL OR UMBILICUS
4521	TRANSABDOMINAL ENDOSCOPY OF LARGE INTESTINE	5429	OTHER DIAGNOSTIC PROCEDURES ON ABDOMINAL REGION
4526	OPEN BIOPSY OF LARGE INTESTINE	543	EXCISION OR DESTRUCTION OF LESION OR TISSUE OF ABDOMINAL WALL OR UMBILICUS
4531	OTHER LOCAL EXCISION OF LESION OF DUODENUM	544	EXCISION OR DESTRUCTION OF PERITONEAL TISSUE

4532	OTHER DESTRUCTION OF LESION OF DUODENUM	5451	LAPAROSCOPIC LYSIS OF PERITONEAL ADHESIONS
4533	LOCAL EXCISION OF LESION OR TISSUE OF SMALL INTESTINE, EXCEPT DUODENUM	5459	OTHER LYSIS OF PERITONEAL ADHESIONS
4534	OTHER DESTRUCTION OF LESION OF SMALL INTESTINE, EXCEPT DUODENUM	5461	RECLOSURE OF POSTOPERATIVE DISRUPTION OF ABDOMINAL WALL
4541	EXCISION OF LESION OR TISSUE OF LARGE INTESTINE	5462	DELAYED CLOSURE OF GRANULATING ABDOMINAL WOUND
4549	OTHER DESTRUCTION OF LESION OF LARGE INTESTINE	5463	OTHER SUTURE OF ABDOMINAL WALL
4550	ISOLATION OF INTESTINAL SEGMENT, NOS	5464	SUTURE OF PERITONEUM
4551	ISOLATION OF SEGMENT OF SMALL INTESTINE	5471	REPAIR OF GASTROSCHISIS
4552	ISOLATION OF SEGMENT OF LARGE INTESTINE	5472	OTHER REPAIR OF ABDOMINAL WALLS
4561	MULTIPLE SEGMENTAL RESECTION OF SMALL INTESTINE	5473	OTHER REPAIR OF PERITONEUM
4562	OTHER PARTIAL RESECTION OF SMALL INTESTINE	5474	OTHER REPAIR OF OMENTUM
4563	TOTAL REMOVAL OF SMALL INTESTINE	5475	OTHER REPAIR OF MESENTERY
458	TOTAL INTRA-ABDOMINAL COLECTOMY	5492	REMOVAL OF FOREIGN BODY FROM PERITONEAL CAVITY
4590	INTESTINAL ANASTOMOSIS, NOS	5493	CREATION OF CUTANEOPERITONEAL FISTULA
4591	SMALL-TO-SMALL INTESTINAL ANASTOMOSIS	5494	CREATION OF PERITONEOVASCULAR SHUNT
4592	ANASTOMOSIS OF SMALL INTESTINE TO RECTAL STUMP	5495	INCISION OF PERITONEUM
4593	OTHER SMALL-TO-LARGE INTESTINAL ANASTOMOSIS	5651	FORMATION OF CUTANEOUS URETERO-ILEOSTOMY
4594	LARGE-TO-LARGE INTESTINAL ANASTOMOSIS	5652	REVISION OF CUTANEOUS URETERO-ILEOSTOMY
4595	ANASTOMOSIS TO ANUS	5661	FORMATION OF OTHER CUTANEOUS URETEROSTOMY
4601	EXTERIORIZATION OF SMALL INTESTINE	5662	REVISION OF OTHER CUTANEOUS URETEROSTOMY
4603	EXTERIORIZATION OF LARGE INTESTINE	5671	URINARY DIVERSION TO INTESTINE

4610	COLOSTOMY, NOS	5672	REVISION OF URETEROINTESTINAL ANASTOMOSIS
4611	TEMPORARY COLOSTOMY	5900	RETROPERITONEAL DISSECTION, NOS
4613	PERMANENT COLOSTOMY	6501	LAPAROSCOPIC OOPHOROTOMY
4614	DELAYED OPENING OF COLOSTOMY	6509	OTHER OOPHORECTOMY
4620	ILEOSTOMY, NOS	6512	OTHER BIOPSY OF OVARY
4621	TEMPORARY ILESOSTOMY	6521	MARSUPIALIZATION OF OVARIAN CYST
4622	CONTINENT ILEOSTOMY	6522	WEDGE RESECTION OF OVARY
4623	OTHER PERMANENT ILEOSTOMY	6523	LAPAROSCOPIC MARSUPIALIZATION OF OVARIAN CYST
4640	REVISION OF INTESTINA STOMA, NOS	6524	LAPAROSCOPIC WEDGE RESECTION OF OVARY
4641	REVISION OF STOMA OF SMALL INTESTINE	6525	OTHER LAPAROSCOPIC LOCAL EXCISION OR DESTRUCTION OF OVARY
4642	REPAIR OF PERICOLOSTOMY HERNIA	6529	OTHER LOCAL EXCISION OR DESTRUCTION OF OVARY
4643	OTHER REVISION OF STOMA OF LARGE INTESTINE	6531	LAPAROSCOPIC UNILATERAL OOPHORECTOMY
4650	CLOSURE OF INTESTINAL STOMA, NOT OTHERWISE SPECIFIED	6539	OTHER UNILATERAL OOPHORECTOMY
4651	CLOSURE OF STOMA OF SMALL INTESTINE	6541	LAPAROSCOPIC UNILATERAL SALPINGO-OOPHORECTOMY
4652	CLOSURE OF STOMA OF LARGE INTESTINE	6549	OTHER UNILATERAL SALPINGOOPHORECTOMY
4660	FIXATION OF INTESTINE, NOS	6551	OTHER REMOVAL OF BOTH OVARIES AT SAME OPERATIVE EPISODE
4661	FIXATION OF SMALL INTESTINE TO ABDOMINAL WALL	6552	OTHER REMOVAL OF REMAINING OVARY
4662	OTHER FIXATION OF SMALL INTESTINE	6553	LAPAROSCOPIC REMOVAL OF BOTH OVARIES AT SAME OPERATIVE EPISODE
4663	FIXATION OF LARGE INTESTINE TO ABDOMINAL WALL	6554	LAPAROSCOPIC REMOVAL OF REMAINING OVARY
4664	OTHER FIXATION OF LARGE INTESTINE	6561	OTHER REMOVAL OF BOTH OVARIES AND TUBES AT SAME OPERATIVE EPISODE



4672	CLOSURE OF FISTULA OF DUODENUM	6562	OTHER REMOVAL OF REMAINING OVARY AND TUBE
4673	SUTURE OF LACERATION OF SMALL INTESTINE, EXCEPT DUODENUM	6563	LAPAROSCOPIC REMOVAL OF BOTH OVARIES AND TUBES AT SAME OPERATIVE EPISODE
4674	CLOSURE OF FISTULA OF SMALL INTESTINE, EXCEPT DUODENUM	6564	LAPAROSCOPIC REMOVAL OF REMAINING OVARY AND TUBE
4675	SUTURE OF LACERATION OF LARGE INTESTINE	6571	OTHER SIMPLE SUTURE OF OVARY
4676	CLOSURE OF FISTULA OF LARGE INTESTINE	6572	OTHER REIMPLANTATION OF OVARY
4679	OTHER REPAIR OF INTESTINE	6573	OTHER SALPINGO OOPHOROPLASTY
4680	INTRA-ABDOMINAL MANIPULATION OF INTESTINE, NOS	6574	LAPAROSCOPIC SIMPLE SUTURE OF OVARY
4681	INTRA-ABDOMINAL MANIPULATION OF SMALL INTESTINE	6575	LAPAROSCOPIC REIMPLANTATION OF OVARY
4682	INTRA-ABDOMINAL MANIPULATION OF LARGE INTESTINE	6576	LAPAROSCOPIC SALPINGO-OOPHOROPLASTY
4691	MYOTOMY OF SIGMOID COLON	6579	OTHER REPAIR OF OVARY
4692	MYOTOMY OF OTHER PARTS OF COLON	6581	LAPAROSCOPIC LYSIS OF ADHESIONS OF OVARY AND FALLOPIAN TUBE
4693	REVISION OF ANASTOMOSIS OF SMALL INTESTINE	6589	OTHER LYSIS OF ADHESIONS OF OVARY AND FALLOPIAN TUBE
4694	REVISION OF ANASTOMOSIS OF LARGE INTESTINE	6592	TRANSPLANTATION OF OVARY
4697	TRANSPLANT OF INTESTINE	6593	MANUAL RUPTURE OF OVARIAN CYST
4699	OTHER OPERATIONS ON INTESTINES	6594	OVARIAN DENERVATION
4821	TRANSABDOMINAL PROCTOSIGMOIDOSCOPY	6595	RELEASE OF TORSION OF OVARY
4825	OPEN BIOPSY OF RECTUM	6599	OTHER OPERATIONS ON OVARY
4840	PULL-THRU RES RECTUM NOS	6601	SALPINGOTOMY
4841	SUBMUCOSAL RESECTION OF RECTUM	6602	SALPINGOSTOMY
4842	LAP PULL-THRU RES RECTUM	6611	BIOPSY OF FALLOPIAN TUBE

4843	OPN PULL-THRU RES RECTUM	6619	OTHER DIAGNOSTIC PROCEDURES ON FALLOPIAN TUBES
4849	OTHER PULL-THROUGH RESECTION OF RECTUM	6631	OTHER BILATERAL LIGATION AND CRUSHING OF FALLOPIAN TUBES
485	ABDOMINOPERINEAL RESECTION OF RECTUM	6632	OTHER BILATERAL LIGATION AND DIVISION OF FALLOPIAN TUBES
4850	ABDPERNEAL RES RECTM NOS	6639	OTHER BILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBES
4851	LAP ABDPERNEAL RESC REC	664	TOTAL UNILATERAL SALPINGECTOMY
4852	OPN ABDPERNEAL RESC REC	6651	REMOVAL OF BOTH FALLOPIAN TUBES AT SAME OPERATIVE EPISODE
4859	ABDPERNEAL RESC RECT NEC	6652	REMOVAL OF REMAINING FALLOPIAN TUBE
4871	SUTURE OF LACERATION OF RECTUM	6661	EXCISION OR DESTRUCTION OF LESION OF FALLOPIAN TUBE
4874	RECTORECTOSTOMY	6662	SALPINGECTOMY W/ REMOVAL OF TUBAL PREGNANCY
4875	ABDOMINAL PROCTOPEXY	6663	BILATERAL PARTIAL SALPINGECTOMY, NOS
500	HEPATOTOMY	6669	OTHER PARTIAL SALPINGECTOMY
5012	OPEN BIOPSY OF LIVER	6671	SIMPLE SUTURE OF FALLOPIAN TUBE
5014	LAPAROSCOPIC LIVER BIOPSY	6672	SALPINGO-OOPHOROSTOMY
5019	OTHER DIAGNOSTIC PROCEDURES ON LIVER	6673	SALPINGO-SALPINGOSTOMY
5021	MARSUPIALIZATION OF LESION OF LIVER	6674	SALPINGO-UTEROSTOMY
5022	PARTIAL HEPATECTOMY	6679	OTHER REPAIR OF FALLOPIAN TUBE
5023	OPN ABLTN LIVER LES/TISS OCT06-	6692	UNILATERAL DESTRUCTION OR OCCLUSION OF FALLOPIAN TUBE
5025	LAPAROSCOPIC ABLATION OF LIVER LESION OR TISSUE	6693	IMPLANTATION OR REPLACEMENT OF PROSTHESIS OF FALLOPIAN TUBE
5026	ABLTN LIVER LES/TISS NEC OCT06-	6694	REMOVAL OF PROSTHESIS OF FALLOPIAN TUBE

5029	OTHER DESTRUCTION OF LESION OF LIVER	6696	DILATION OF FALLOPIAN TUBE
503	LOBECTOMY OF LIVER	6697	BURYING OF FIMBRIAE IN UTERINE WALL
504	TOTAL HEPATECTOMY	6699	OTHER OPERATION OF FALLOPIAN TUBE
5051	AUXILIARY LIVER TRANSPLANT	680	OTHER INCISION AND EXCISION OF UTERUS
5059	OTHER TRANSPLANT OF LIVER	6813	OPEN BIOPSY OF UTERUS
5061	CLOSURE OF LACERATION OF LIVER	6814	OPEN BIOPSY OF UTERINE LIGAMENTS
5069	OTHER REPAIR OF LIVER	6819	OTHER DIAGNOSTIC PROCEDURES ON UTERUS AND SUPPORTING STRUCTURES
5102	TROCAR CHOLECYSTOSTOMY	6823	ENDOMETRIAL ABLATION
5103	OTHER CHOLECYSTOSTOMY	6829	OTHER EXCISION OR DESTRUCTION OF LESION OF UTERUS
5104	OTHER CHOLECYSTOTOMY	683	SUBTOTAL ABDOMINAL HYSTERECTOMY
5113	OPEN BIOPSY OF GALLBLADDER OR BILE DUCTS	6831	LAPAROSCOPIC SUPRACERVICAL HYSTERECTOMY [LSH]
5119	OTHER DIAGNOSTIC PROCEDURES ON BILIARY TRACT	6839	OTHER SUBTOTAL ABDOMINAL HYSTERECTOMY
5121	OTHER PARTIAL CHOLECYSTECTOMY	684	TOTAL ABDOMINAL HYSTERECTOMY
5122	CHOLECYSTECTOMY	6841	LAP TOTAL ABDOMINAL HYST OCT06-
5123	LAPAROSCOPIC CHOLECYSTECTOMY	6849	TOTAL ABD HYST NEC/NOS OCT06-
5124	LAPAROSCOPIC PARTIAL CHOLECYSTECTOMY	686	RADICAL ABDOMINAL HYSTERECTOMY
5131	ANASTOMOSIS OF GALLBLADDER TO HEPATIC DUCTS	6861	LAP RADICAL ABDOMNL HYST OCT06
5132	ANASTOMOSIS OF GALLBLADDER TO INTESTINE	6869	RADICAL ABD HYST NEC/NOS OCT06
5133	ANASTOMOSIS OF GALLBLADDER TO PANCREAS	688	PELVIC EVISCERATION
5134	ANASTOMOSIS OF GALLBLADDER TO STOMACH	689	OTHER AND UNSPECIFIED HYSTERECTOMY

5135	OTHER GALLBLADDER ANASTOMOSIS	6919	OTHER EXCISION OR DESTRUCTION OF UTERUS AND SUPPORTING STRUCTURES
5136	CHOLEDOCHOENTEROSTOMY	6921	INTERPOSITION OPERATION
5137	ANASTOMOSIS OF HEPATIC DUCT TO GASTROINTESTINAL TRACT	6922	OTHER UTERINE SUSPENSION
5139	OTHER BILE DUCT ANASTOMOSIS	6923	VAGINAL REPAIR OF CHRONIC INVERSION OF UTERUS
5141	COMMON DUCT EXPLORATION FOR REMOVAL OF CALCULUS	6929	OTHER REPAIR OF UTERUS AND SUPPORTING STRUCTURES
5142	COMMON DUCT EXPLORATION FOR RELIEF OF OTHER OBSTRUCTION	693	PARACERVICAL UTERINE DENERVATION
5143	INSERTION OF CHOLEDOCHOHEPATIC TUBE FOR DECOMPRESSION	6941	SUTURE OF LACERATION OF UTERUS
5149	INCISION OF OTHER BILE DUCTS FOR RELIEF OF OBSTRUCTION	6942	CLOSURE OF FISTULA OF UTERUS
5151	EXPLORATION OF COMMON DUCT	6949	OTHER REPAIR OF UTERUS
5159	INCISION OF OTHER BILE DUCT	6998	OTHER OPERATIONS ON SUPPORTING STRUCTURES OF UTERUS
5161	EXCISION OF CYSTIC DUCT REMNANT		

## DENOMINATOR EXCLUSIONS

Exclude cases:

- with any-listed ICD-9-CM procedure codes for surgical removal of the colon (colectomy) or pelvic evisceration
- with any-listed ICD-9-CM diagnosis codes for cancer involving or adjacent to the appendix
- MDC 14 (pregnancy, childbirth, and puerperium)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

*Surgical removal of the colon (colectomy) or pelvic evisceration procedure codes: (PRAPP3P)*

1731	LAP MUL SEG RES LG INTES	4574	OPN TRANSV COLON RES NEC
1732	LAPAROSCOPIC CECECTOMY	4575	OPN LFT HEMICOLECTMY NEC
1733	LAP RIGHT HEMICOLECTOMY	4576	OPEN SIGMOIDECTOMY NEC
1734	LAP RES TRANSVERSE COLON	4579	PRT LG INTES EXC NEC/NOS
1735	LAP LEFT HEMICOLECTOMY	458	TOT ABD COLECTMY
1736	LAP SIGMOIDECTOMY	4581	LAP TOT INTR-AB COLECTMY
1739	LAP PT EX LRG INTEST NEC	4582	OP TOT INTR-ABD COLECTMY
4571	OPN MUL SEG LG INTES NEC	4583	TOT ABD COLECTMY NEC/NOS
4572	OPEN CECECTOMY NEC	688	PELVIC EVISCERATION
4573	OPN RT HEMICOLECTOMY NEC		