Postoperative Wound Dehiscence Rate
Technical Specifications

Patient Safety Indicators #14 (PSI #14)
AHRQ Quality Indicators™, Version 4.5, May 2013
Provider-Level Indicator
Type of Score: Rate

Description

Postoperative reclosures of the abdominal wall per 1,000 abdominopelvic surgery discharges for patients ages 18 years and older. Excludes cases in which the abdominal wall reclosure occurs on or before the day of the first abdominopelvic surgery, cases with an immunocompromised state, cases with stays less than two (2) days, and obstetric cases.

[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 events 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 reclosure of postoperative disruption of the abdominal wall.

ICD-9-CM Reclosure of postoperative disruption of the abdominal wall procedure codes:
5461 RECLOSE POST OP DISR

Denominator

Discharges, for patients ages 18 years and older, with any-listed ICD-9-CM procedure codes for abdominopelvic surgery.

ICD-9-CM Abdominopelvic surgery procedure codes:
1731 LAP MUL SEG RES LG INTES 3834 AORTA RESECTION & ANAST
1732 LAPAROSCOPIC CECECTOMY 3836 ABD VESSEL RESECT/ANAST
1733 LAP RIGHT HEMOLECTOMY 3837 ABD VEIN RESECT & ANAST
1734 LAP RES TRANSVERSE COLON 3844 RESECT ABDM AORTA W REPL
1735 LAP LEFT HEMICOLECTOMY 3846 ABD ARTERY RESECT W REPLAC
1736 LAP SIGMOIDECTOMY 3847 ABD VEIN RESECT W REPLAC
1739 LAP PT EX LRG INTEST NEC 3857 ABD VARICS V LIGA-STRIP
3804 INCISION OF AORTA 3864 EXCISION OF AORTA
3806 ABDOMEN ARTERY INCISION 3866 ABDOMINAL ARTERY EXCIS
3807 AMDOMINAL VEIN INCISION 3867 ABDOMINAL VEIN EXCISION
3814 ENDARTERECTOMY OF AORTA 3884 OCCLUDE AORTA NEC
3816 ABDOMINAL ENDARTERECTOMY 3886 OCCLUDE ABD ARTERY NEC
3887  OCCLUDE ABD VEIN NEC  4491  LIGATE GASTRIC VARICES
391   INTRA-ABD VENOUS SHUNT    4492  INTRAOP GASTRIC MANIPIL
3924  AORTA-RENAL BYPASS    4499  GASTRIC OPERATION NEC
3925  AORTA-ILIAC-FEMOR BYPASS    4500  INTESTINAL INCISION NOS
3926  INTRA-ABDOMIN SHUNT NEC    4501  DUODENAL INCISION
4052  RAD DISSEC PERIOART NODE    4502  SMALL BOWEL INCISION NEC
4053  RAD DISSEC ILIAC NODES    4503  LARGE BOWEL INCISION
412   SPLENOTOMY    4531  OTH EXCISE DUODENUM LES
4133  OPEN SPLEEN BIOPSY    4532  DESTRUCT DUODEN LES NEC
4141  SPLENIC CYST MARSUPIAL    4533  LOCAL EXCIS SM BOWEL NEC
4142  EXC SPLENIC LESION/TISS    4534  DESTR SM BOWEL LES NEC
4143  PARTIAL SPLENECTOMY    4541  EXCISE LG INTESTINE LES
415   TOTAL SPLENECTOMY    4549  DESTRUCT LG BOWEL LES NEC
4193  EXC OF ACESSORY SPLEEN    4550  INTEST SEG ISOLAT NOS
4194  SPLEEN TRANSPLANTATION    4551  SM BOWEL SEGMENT ISOLAT
4195  REPAIR OF SPLEEN    4552  LG BOWEL SEGMENT ISOLAT
4199  SPLEEN OPERATION NEC    4561  MULT SEG SM BOWEL EXCIS
4240  ESOPHAGECTOMY NOS    4562  PART SM BOWEL RESECT NEC
4241  PARTIAL ESOPHAGECTOMY    4563  TOTAL REMOVAL SM BOWEL
4242  TOTAL ESOPHAGECTOMY    4571  OPN MUL SEG LG INTES NEC
4253  THORAC SM BOWEL INTERPOS    4572  OPEN CECETOMY NEC
4254  THORAC ESOPHAGOENTER NEC    4573  OPN RT HEMOCOLECTOMY NEC
4255  THORAC LG BOWEL INTERPOS    4574  OPN TRANSV COLON RES NEC
4256  THORAC ESOPHAGOCOLOS NEC    4575  OPN LFT HEMOCOLECTMY NEC
4263  STERN SM BOWEL INTERPOS    4576  OPEN SIGMOIDECTOMY NEC
4264  STERN ESOPHAGOENTER NEC    4579  PRT LG INTES EXC NEC/NOS
4265  STERN LG BOWEL INTERPOS    458  TOTAL INTRA-ABDOMINAL COLECTOMY
4266  STERN ESOPHAGOCOLOS NEC    4581  LAP TOT INR-AB COLECTMY
4291  LIGATION ESOPH VARIX    4582  OP TOT INTR-ABD COLECTMY
430   GASTROTOMY    4583  TOT ABD COLECTMY NEC/NOS
433   PYLOROMYOTOMY    4590  INTESTINAL ANASTOM NOS
4342  LOCAL GASTR EXCISION NEC    4591  SM-TO-SM BOWEL ANASTOM
4349  LOCAL GASTR DESTRUCT NEC    4592  SM BOWEL-RECT STUMP ANAS
435   PROXIMAL GASTRECTOMY    4593  SMALL-TO-LARGE BOWEL NEC
436   DISTAL GASTRECTOMY    4594  LG-TO-LG BOWEL ANASTOM
437   PART GASTREC W JEJ ANAST    4595  ANAL ANASTOMOSIS
4381  PART GASTREC W HEP TRANSPOS    4601  SM BOWEL EXTERIORIZATION
4382  LAP VERTICAL GASTRECTOMY    4603  LG BOWEL EXTERIORIZATION
4389  OPN/OTH PART GASTRECTOMY    4610  COLOSTOMY NOS
4391  TOT GAST W INTES INTERPO    4611  TEMPORARY COLOSTOMY
4399  TOTAL GASTRECTOMY NEC    4613  PERMANENT COLOSTOMY
4400  VAGOTOMY NOS    4620  ILEOSTOMY NOS
4401  TRUNCAL VAGOTOMY    4621  TEMPORARY ILEOSTOMY
4402  HIGHLY SELECTIVE VAGOTOMY    4622  CONTINENT ILEOSTOMY
4403  OTHER SELECTIVE VAGOTOMY    4623  PERMANENT ILEOSTOMY NEC
4411  TRANSABDOMIN GASTROSCOPY    4640  INTEST STOMA REVIS NOS
4415  OPEN GASTRIC BIOPSY    4641  SM BOWEL SOTMA REVISION
4421  DILATE PYLORUS, INCISION    4642  PERICOLOST HERMIA REPAIR
4429  OTHER PYLOROPLASTY    4643  LG BOWEL STOMA REVIS NEC
4431  HIGH GASTRIC BYPASS    4650  INTEST STOMA CLOSURE NOS
4439  GASTROENTEROSTOMY NEC    4651  SM BOWEL STOMA CLOSURE
4440  SUTURE OF PEPTIC ULCER NOS    4652  LG BOWEL STOMA CLOSURE
4441  SUT GASTRUC ULCER SITE    4660  INTESTINAL FIXATION NOS
4442  SUTURE DUODEN ULCER SITE    4661  SM BOWEL-ABD WALL FIXAT
4445  REVISION GASTRIC ANASTOM    4662  SMALL BOWEL FIXATION NEC
4461  SUTURE GASTRIC LACERAT    4663  LG BOWEL-ABD WALL FIXAT
4463  CLOSE GASTRIC FISTUL NEC    4664  LARGE BOWEL FIXATION NEC
4464  GASTROPEXY    4672  DUODENAL FISTULA CLOSURE
4465  ESOPHAGOGASTROPLASTY    4674  CLOS ESM BOWEL FIST NEC
4466  CREAT ESOPHAGASTR SPHINC    4676  CLOSE LG BOWEL FISTULA
4469  GASTRIC REPAIR NEC    4680  INTRA-AB BOWEL MANIP NOS
AHRQ QI™ Version 4.5, Patient Safety Indicators #14, Technical Specifications, Postoperative Wound Dehiscence Rate
www.qualityindicators.ahrq.gov

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4681</td>
<td>INTRA-ABD SM BOWEL MANIP</td>
</tr>
<tr>
<td>4682</td>
<td>INTRA-ABD LG BOWEL MANIP</td>
</tr>
<tr>
<td>4691</td>
<td>MYOTOMY OF SIGMOID COLON</td>
</tr>
<tr>
<td>4692</td>
<td>MYOTOMY COLON NEC</td>
</tr>
<tr>
<td>4693</td>
<td>RECISE SM BOWEL ANASTOM</td>
</tr>
<tr>
<td>4694</td>
<td>RECISE LG BOWEL ANASTOM</td>
</tr>
<tr>
<td>4699</td>
<td>INTESTINAL OP NEC</td>
</tr>
<tr>
<td>4709</td>
<td>OTHER APPENDECTOMY</td>
</tr>
<tr>
<td>4719</td>
<td>OTHER INCID APPENDECTOMY</td>
</tr>
<tr>
<td>472</td>
<td>DRAINAPPENDICEAL ABSCESS</td>
</tr>
<tr>
<td>4791</td>
<td>APPENDICOSTOMY</td>
</tr>
<tr>
<td>4792</td>
<td>CLOSE APPENDICEAL FISTUL</td>
</tr>
<tr>
<td>4799</td>
<td>APPENDICIEAL OPS NEC</td>
</tr>
<tr>
<td>4840</td>
<td>PULL-THRU RECT RESEC NEC</td>
</tr>
<tr>
<td>4841</td>
<td>SOAVE SUBMUC RECT RESECT</td>
</tr>
<tr>
<td>4843</td>
<td>OPN PULL-THRU RES RECTUM</td>
</tr>
<tr>
<td>4849</td>
<td>PULL-THRU RECT RESEC NEC</td>
</tr>
<tr>
<td>4850</td>
<td>ABDPERNEAL RES RECTM NOS</td>
</tr>
<tr>
<td>4852</td>
<td>OPN ABDPERNEAL RESC REC</td>
</tr>
<tr>
<td>4859</td>
<td>ABDPERNEAL RESC RECT NEC</td>
</tr>
<tr>
<td>4875</td>
<td>ABDOMINAL PROCOPEXY</td>
</tr>
<tr>
<td>500</td>
<td>HEPATOTOMY</td>
</tr>
<tr>
<td>5012</td>
<td>OPEN LIVER BIOPSY</td>
</tr>
<tr>
<td>5021</td>
<td>MARSUPIALIZAT LIVER LES</td>
</tr>
<tr>
<td>5022</td>
<td>PARTIAL HEPATECTOMY</td>
</tr>
<tr>
<td>5023</td>
<td>OPN ABLTN LIVER LES/TISS</td>
</tr>
<tr>
<td>5026</td>
<td>ABLTN LIVER LES/TISS NEC</td>
</tr>
<tr>
<td>5029</td>
<td>DESTRUC HEPATIC LES NEC</td>
</tr>
<tr>
<td>503</td>
<td>HEPATIC LOBECTOMY</td>
</tr>
<tr>
<td>504</td>
<td>TOTAL HEPATECTOMY</td>
</tr>
<tr>
<td>5051</td>
<td>AUXILIARY LIVER TRANSPL</td>
</tr>
<tr>
<td>5059</td>
<td>LIVER TRANSPLANT NEC</td>
</tr>
<tr>
<td>5069</td>
<td>LIVER REPAIR NEC</td>
</tr>
<tr>
<td>5103</td>
<td>CHOLECYSTOSTOMY NEC</td>
</tr>
<tr>
<td>5104</td>
<td>CHOLECYSTOTOMY NEC</td>
</tr>
<tr>
<td>5113</td>
<td>OPEN BILIARY TRACT BX</td>
</tr>
<tr>
<td>5121</td>
<td>PARTIAL HEPATECTOMY</td>
</tr>
<tr>
<td>5122</td>
<td>CHOLECystsECTOMY</td>
</tr>
<tr>
<td>5131</td>
<td>GB-TO-HEPAT DUCT ANAST</td>
</tr>
<tr>
<td>5132</td>
<td>GB-TO-INTESTINE ANASTOM</td>
</tr>
<tr>
<td>5133</td>
<td>GB-TO-PANCREAS ANASTOM</td>
</tr>
<tr>
<td>5134</td>
<td>GB-TO-STOMACH ANASTOMOS</td>
</tr>
<tr>
<td>5135</td>
<td>GALLBLADDER ANASTOMOS</td>
</tr>
<tr>
<td>5136</td>
<td>CHOLEDOCHOENTEROSTOMY</td>
</tr>
<tr>
<td>5137</td>
<td>HEPATIC DUCT-GI ANASTOM</td>
</tr>
<tr>
<td>5139</td>
<td>BOLE DUCT ANASTOMOS NEC</td>
</tr>
<tr>
<td>5141</td>
<td>CDE FOR CALCULUS REMOV</td>
</tr>
<tr>
<td>5142</td>
<td>CDE FOR OBSTRUCTION NEC</td>
</tr>
<tr>
<td>5143</td>
<td>CHOLEDOCHOHEPAT INTUBAT</td>
</tr>
<tr>
<td>5149</td>
<td>INCIS OBSTR BILE DUC NEC</td>
</tr>
<tr>
<td>5151</td>
<td>COMMON DUCT EXPLORATION</td>
</tr>
<tr>
<td>5159</td>
<td>BILE DUCT INCISION NEC</td>
</tr>
<tr>
<td>5161</td>
<td>EXCIS CYST DUCT REMNANT</td>
</tr>
<tr>
<td>5162</td>
<td>EXCIS AMPULLA OF VATER</td>
</tr>
<tr>
<td>5163</td>
<td>COMMON DUCT EXCIS NEC</td>
</tr>
<tr>
<td>5169</td>
<td>BILE DUCT EXCISION NEC</td>
</tr>
<tr>
<td>5171</td>
<td>SIMPLE SUT-COMMON DUCT</td>
</tr>
<tr>
<td>5172</td>
<td>CHOLEDOCHOPLASTY</td>
</tr>
<tr>
<td>5179</td>
<td>BILE DUCT REPAIR NEC</td>
</tr>
<tr>
<td>5181</td>
<td>SPHINCTER OF ODDI DILAT</td>
</tr>
<tr>
<td>5182</td>
<td>PANCREAT SPHONCTEROTOM</td>
</tr>
</tbody>
</table>

5183 | PANCREAT SPHINCTEROPLAS |
5189 | SPHINCTER OF ODDI OP NEC |
5192 | CLOSURE CHOLECYSTOSTOMY |
5193 | CLOS BILIARY FISTUL NEC |
5194 | RECIS BILE TRACT ANASTOM |
5195 | REMOVE VILE DUCT PROSTH |
5196 | BILIARY TRACT OP NEC |
5201 | CATH DRAIN-PANCREAT CYST |
5209 | PANCREATOTOMY NEC |
5212 | OPEN PANCREATIC BIOPSY |
5222 | OTHER DESTY PANCREA LES |
523 | PANCREAT CYST MARSUPIALI |
524 | INT DRAIN PANCREAT CYST |
5251 | PROXIMAL PANCREATECTOMY |
5252 | DSTAL PANCREATECTOMY |
5253 | RAD SUB PANCREATECTOM |
5259 | PARTIAL PANCREATECT NEC |
526 | TOTAL PANCREATECTOMY |
527 | RAD PANCREATICOUDENECT |
5280 | PANCREAT TRANSPLANT NOS |
5281 | REIMPLANT PANCREATIC TIS |
5282 | PANCREATIC HOMOTRANSP |
5283 | PANCREATIC HETEROTRANS |
5292 | CANNULATION PANCREA DUC |
5295 | PANCREATIC REPAIR NEC |
5296 | PANCREATIC ANASTOMOSIS |
5299 | PANCREATIC OPERATION NEC |
5300 | UNILAT ING HERN REP NOS |
5301 | OPN REP DIR ING HERN NEC |
5302 | OPN REP IND ING HERN NEC |
5303 | OPN DIR ING HERN-GFT NEC |
5304 | OPN IND ING HERN-GFT NEC |
5305 | ING HERNIA REP-GRAFT NOS |
5310 | BILAT ING HERNIA REP NOS |
5311 | OPN BIL DIR ING HERN NEC |
5312 | OPN BIL IND ING HERN NEC |
5313 | OPN BU DR/IN IG HR-GR NEC |
5314 | ON BU DR ING HRN-GR NEC |
5315 | OP BU ING HRN-GRF NEC |
5316 | OP BU DR/IN IG HR-GR NEC |
5317 | BIL ING HRN REP-GRFT NOS |
5321 | UNIL EMOR HERN REPAIR-GRFT |
5329 | UNIL GEMOR HERN REP NEC |
5331 | BIL FEM HERN REPAIR-GRFT |
5339 | BIL FEM HERN REPAIR NEC |
5341 | OPN REP UMP HRN-GRFT NEC |
5349 | OPEN REP UMBIL HERN NEC |
5351 | INCISIONAL HERNIA REPAIR |
5359 | ABD WALL HERN REPAIR NEC |
5361 | OPEN INCIS HERN-GRFT NEC |
5369 | OPN HERN ANT ABDGFR NEC |
537 | ABD REPAIR-DIAPHR HERNIA |
5375 | ABD REP-DIAPHR HERN NOS |
540 | ABDOMINAL WALL INCISION |
5411 | EXPLORATORY LAPERATOMY |
5419 | LAPAROTOMY NEC |
5422 | ABDOMINAL WALL BIOPSY |
5423 | PERITONEAL BIOPSY |
543 | DESTRUCT ABD WALL LESION |
544 | DESTRUCT PERITONEAL TISS |
5459 | OTH PERTON ADHESIOLYS |
Page 4

1 The procedure or diagnosis codes are continuously updated. The current list of ICD-9-CM codes is valid for October 2012 through September 2013. Italicized codes are not active in Fiscal Year 2013.
Exclude cases:

- where the procedure for abdominal wall reclosure (see above) occurs on or before the day of the first abdominopelvic surgery procedure (see above)†
- with any-listed ICD-9-CM diagnosis codes or any-listed ICD-9-CM procedure codes for immunocompromised state
- with length of stay less than two (2) days
- 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)

See Patient Safety Indicators Appendices:

- Appendix I – Immunocompromised State Diagnosis and Procedure Codes

† If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available.