Pediatric Quality Indicator 11 (PDI 11) Postoperative Wound Dehiscence Rate

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Provider-Level Indicator

Type of Score: Rate

Prepared by:

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DESCRIPTION

Postoperative reclosures of the abdominal wall per 1,000 abdominopelvic surgery discharges for patients ages 17 years and younger. Includes metrics for discharges grouped by risk category. Excludes cases in which the abdominal wall reclosure occurs on or before the day of the first abdominopelvic surgery, newborn cases with gastroschisis or umbilical hernia repair occurring before the day of the abdominal wall reclosure, cases with a high- or intermediate-risk immunocompromised state, cases with cirrhosis and hepatic failure with a diagnosis of coma or hepatorenal syndrome, cases with transplants, cases with stays less than two (2) days, neonates with birth weight less than 500 grams, 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 OVERALL

Note: The Numerator definition is identical for Risk Categories 1, 2, 3, 4, 5, 9 and Overall.

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.

Reclosure of postoperative disruption of the abdominal wall procedure codes: (RECLOIP)

5461	Reclosure Of Postoperative Disruption Of Abdominal Wall

DENOMINATOR OVERALL

Discharges, for patients ages 17 years and younger, with any-listed ICD-9-CM procedure codes for abdominopelvic surgery.

Abdominopelvic surgery procedure codes (for all discharges): (ABDOMIP)

1731	Lap Mul Seg Res Lg Intes	5142	Common Duct Exploration For Relief Of Other Obstruction
1732	Laparoscopic Cecectomy	5143	Insertion Of Choledochohepatic Tube For Decompression
1733	Lap Right Hemicolectomy	5149	Incision Of Other Bile Ducts For Relief Of Obstruction
1734	Lap Res Transverse Colon	5151	Exploration Of Common Duct
1735	Lap Left Hemicolectomy	5159	Incision Of Other Bile Duct
1736	Lap Sigmoidectomy	5161	Excision Of Cystic Duct Remnant
1739	Lap Pt Ex Lrg Intest Nec	5162	Excision Of Ampulla Of Vater With Reimplantation Of Common Duct
3804	Incision Of Aorta	5163	Other Excision Of Common Duct
3806	Incision Of Abdominal Arteries	5169	Excision Of Other Bile Duct
3807	Incision Of Abdominal Veins	5171	Simple Suture Of Common Bile Duct
3814	Endarterectomy Of Aorta	5172	Choledochoplasty
3816	Endarterectomy Of Abdominal Arteries	5179	Repair Of Other Bile Ducts
3834	Resection Of Aorta With Anastomosis	5181	Dilation Of Sphincter Of Oddi
3836	Resection Of Abdominal Arteries With Anastomosis	5182	Pancreatic Sphincterotomy
3837	Resection Of Abdominal Veins With Anastomosis	5183	Pancreatic Sphincteroplsty
3844	Resection Of Aorta, Abdominal With Replacement	5189	Other Operations On Sphincter Of Oddi
3846	Resection Of Abdominal Arteries With Replacement	5192	Closure Of Cholecystostomy
3847	Resection Of Abdominal Veins With Replacement	5193	Closure Of Other Biliary Fistula
3857	Ligation And Stripping Of Varicose Veins, Abdomincal Veins	5194	Revision Of Anastomosis Of Biliary Tract
3864	Other Excision Of Aorta, Abdominal	5195	Removal Of Prosthetic Device From Bile Duct
3866	Other Excision Of Abdominal Arteries	5199	Other Operations On Biliary Tract
3867	Other Excision Of Abdominal Veins	5201	Drainage Of Pancreatic Cyst By Catheter
3884	Other Surgical Occlusion Of Aorta, Abdominal	5209	Other Pancreatotomy
3886	Other Surgical Occlusion Of Abdominal Arteries	5212	Open Biopsy Of Pancreas
3887	Other Surgical Occlusion Of Abdominal Veins	5222	Other Excision Or Destruction Of Lesion Or Tissue Of Pancreas Or Pancreatic Duct

391	Intra-abdominal Venous Shunt
3924	Aorta-renal Bypass
3925	Aorta-iliac-femoral Bypass
3926	Other Intra-abdominal Vascular Shunt Or Bypass
4052	Radical Excision Of Periaortic Lymph Nodes
4053	Radical Excision Of Iliac Lymph Nodes
412	Splenotomy
4133	Open Biopsy Of Spleen
4141	Marsupialization Of Splenic Cyst
4142	Excision Of Lesion Or Tissue Of Spleen
4143	Partial Splenectomy
415	Total Splenectomy
4193	Excision Of Accessory Spleen
4194	Transplantation Of Spleen
4195	Repair And Plastic Operations On Spleen
4199	Other Operations On Spleen
4240	Esophagectomy, Nos
4241	Partial Exophagectomy
4242	Total Esophagectomy
4253	Intrathoracic Esophageal Anastomosis With Interposition Of Small Bowel
4254	Other Intrathoracic Esophagoenterostomy
4255	Intrathoracic Esophageal Anastomosis With Interposition Of Colon
4256	Other Intrathoracic Esophagocolostomy
4263	Antesternal Esophageal Anastomosis With Interposition Of Small Bowel
4264	Other Antesternal Esophagoenterostomy
4265	Antesternal Esophageal Anastomosis With Interposition Of Colon
4266	Other Antesternal Esophagocolostomy
4291	Ligation Of Esophageal Varices
430	Gastrostomy
433	Pyloromyotomy
4342	Local Excision Of Other Lesion Or Tissue Of Stomach

523	Gingival And Periodontal Diseases
524	Internal Drainage Of Pancreatic Cyst
5251	Proximal Pancreatectomy
5252	Distal Pancreatectomy
5253	Radial Subtotal Pancreatectomy
5259	Other Partial Pancreatectomy
526	Total Pancreatectomy
527	Radical Pancreaticoduodencectomy
5280	Pancreatic Transplant, Nos
5281	Reimplantation
5282	Homotransplant Of Pancreas
5283	Heterotransplant Of Pancreas
5292	Cannulation Of Pancreatic Duct
5295	Other Repair Of Pancreas
5296	Anastomosis Of Pancreas
5299	Other Operations On Pancreas
5300	Unilateral Repair Of Inguinal Hernia, Nos
5301	Repair Of Direct Inguinal Hernia
5302	Repair Of Indirect Inguinal Hernia
5303	Repair Of Direct Inguinal Hernia With Graft Or Prosthesis
5304	Repair Of Indirect Inguinal Hernia With Graft Or Prosthesis
5305	Reapir Of Inguinal Hernia With Graft Or Prosthesis, Nos
5310	Bilateral Repair Of Inguinal Hernia, Nos
5311	Bilateral Repair Of Direct Inguinal Yernia
5312	Bilateral Repair Of Indirect Inguinal Hernia
5313	Bilateral Repair Of Inguinal Hernia, One Direct And One Indirect
5314	Bilateral Repair Of Direct Inguinal Hernia With Graft Or Prosthesis
5315	Bilateral Repair Of Indirect Inguinal Hernia With Graft Or Prosthesis
5316	Bilateral Repair Of Inguinal Hernia, One Direct And One Indirect, With Graft Or Prosthesis
5317	Bilateral Inguinal Hernia Repair With Graft Or Prosthesis, Nos
5321	Unilateral Repair Of Femoral Hernia

4349	Other Destruction Of Lesion Or Tissue Of Stomach
435	Partial Gastrectomy With Anastomosis To Esophagus
436	Partial Gastrectomy With Anastomosis To Duodenum
437	Partial Gastrectomy With Anastomosis To Jejunum
4381	Partial Gastrectomy With Jejuna Transposition
4382	Laparoscopic Vertical Sleeve Gastrectomy
4389	Other Partial Gastrectomy
4391	Total Gastrectomy With Intestinal Interposition
4399	Other Total Gastrectomy
4400	Vagotomy, Nos
4401	Truncal Vagotomy
4402	Highly Selective Vagotomy
4403	Other Selective Vagotomoy
4411	Transabdominal Gastroscopy
4415	Open Biopsy Of Stomach
4421	Dilation Of Pylorus By Incision
4429	Other Pyloroplasty
4431	High Gastric Bypass
4439	Other Gastroenterostomy
4440	Suture Of Peptic Ulcer, Nos
4441	Suture Of Gastric Ulcer Site
4442	Suture Of Duodenal Ulcer Site
445	Revision Of Gastric Anastomosis
4461	Suture Of Laceration Of Stomach
4463	Closure Of Other Gastric Fistula
4464	Gastropexy
4465	Esophagogastroplasty
4466	Other Procedures For Creation Of Esophagogastric Sphincteric Competence
4469	Other Repair Of Stomach
4491	Ligation Of Gastric Varices
4492	Intraoperative Manipulation Of Stomach
5329	Other Unilateral Femoral Herniorhaphy
5331	Bilateral Repair Of Femoral Hernia With Graft Or Prosthesis
5339	Other Bilateral Femoral Herniorrhaphy
5341	Repair Of Umbilical Hernia With Prosthesis
5349	Other Umbilical Herniorrhaphy
5351	Incisional Hernia Repair
5359	Repair Of Other Hernia Of Anterior Abdominal Wall
5361	Incisional Hernia Repair With Prosthesis
5369	Repair Of Other Hernia Of Anterior Abdominal Wall With Prosthesis
537	Repair Of Diaphragmatic Hernia, Abdominal Approach
5375	Abd Rep-diaphr Hern Nos
540	Incision Of Abdominal Wall
5411	Exploratory Laparotomy
5419	Other Laparotomy
5422	Biopsy Of Abdominal Wall Or Umbilicus
5423	Biopsy Of Abdominal Wall Or Umbilicus
543	Excision Or Destruction Of Lesion Or Tissue Of Abdominal Wall Or Umbilicus
544	Excision Or Destruction Of Peritoneal Tissue
5459	Other Lysis Of Peritoneal Adhesions
5463	Other Suture Of Abdominal Wall
5464	Suture Of Peritoneum
5471	Repair Of Gastroschisis
5472	Other Repaire Of Abdominal Walls
5473	Other Repair Of Peritoneum
5474	Other Repair Of Omentum
5475	Other Repair Of Mesentery
5492	Removal Of Foreign Body From Peritoneal Cavity
5493	Creation Of Cutaneoperitoneal Fistula
5494	Creation Of Peritoneovascular Shunt
5495	Incision Of Peritoneum
5532	Opn Abltn Renal Les/tiss

4499	Gastric Operation Nec
4500	Incision Of Intestine, Nos
4501	Incision Of Duodenum
4502	Other Incision Of Small Intestine
4503	Incision Of Large Intestine
4531	Other Local Excision Of Lesion Of Duodenum
4532	Other Destruction Of Lesion Of Duodenum
4533	Local Excision Of Lesion Or Tissue Of Small Intestine, Except Duodenum
4534	Other Destruction Of Lesion Of Small Intestine, Except Duodenum
4541	Excision Of Lesion Or Tissue Of Large Intestine
4549	Other Destruction Of Lesion Of Large Intestine
4550	Isolation Of Intestinal Segment, Nos
4551	Isolation Of Segment Of Small Intestine
4552	Isolation Of Segment Of Large Intestine
4561	Multiple Segmental Resection Of Small Intestine
4562	Other Partial Resection Of Small Intestine
4563	Total Removal Of Small Intestine
4571	Multiple Segmental Resection Of Large Intestine
4572	Cesectomy
4573	Right Hemicolectomy
4574	Resection Of Transverse Colon
4575	Left Hemicolectomy
4576	Sigmoidectomy
4579	Other Partial Excision Of Large Intestine
458	Total Intra-abdominal Colectomy
4581	Lap Tot Intr-ab Colectmy
4582	Op Tot Intr-abd Colectmy
4583	Tot Abd Colectmy Nec/nos
4590	Intestinal Anastomosis, Nos
4591	Small-to-small Intestinal Anastomosis

5535	Abltn Renal Les/tiss Nec
5551	Nephroureterectomy
5552	Nephrectomy Of Remaining Kidney
5553	Removal Of Transplanted Or Regected Kdiney
5554	Bilateral Nephrectomy
5561	Renal Autotransplantation
5569	Ulcerative Colitis, Unspecified
557	Nephropexy
5583	Closure Of Other Fistula Of Kidney
5584	Reduction Of Torsion Of Renal
5585	Symphysiotomy For Horeshoe Kidney
5586	Anastomosis Of Kidney
5587	Correction Of Ureteropelvic Junction
5591	Decapsulation Of Kedney
5597	Implantation Or Replacement Of Mechanical Kidney
5598	Removal Of Mechanical Kidney
5651	Formation Of Cutaneous Ureteroileostomy
5652	Revision Of Cutaneous Ureter Oileostomy
5661	Formation Of Other Cutaneous Ureterostomy
5662	Revision Of Other Cutaneous Ureterostomy
5671	Urinary Diversion To Intestine
5672	Revision Of Ureterointestinal Anastomosis
5673	Nephrocystanastomosis, No
5674	Ureteroneoxystostomy
5675	Transureteroureterostomy
5683	Closure Of Ureterostomy
5684	Closure Of Other Fistula Of Ureter
5685	Ureteropexy
5686	Removal Of Ligature Form Ureter
5689	Other Repair Of Ureter

4592	Anastomosis Of Small Intestine To Rectal Stump
4593	Other Small-to-large Intestinal Anastomosis
4594	Large-to-large Intestinal Anastomosis
4595	Anastomosis To Anus
4601	Exteriorization Of Small Intestine
4603	Exteriorization Of Large Intestine
4610	Colostomy, Nos
4611	Temporary Colostomy
4613	Permanent Colostomy
4620	Ileostomy, Nos
4621	Temporary Ilesostomy
4622	Continent Ileostomy
4623	Other Permanent Ileostomy
4640	Revision Of Intestina Stoma, Nos
4641	Revision Of Stoma Of Small Intestine
4642	Repair Of Pericolostomy Hernia
4643	Other Revision Of Stoma Of Large Intestine
4650	Closure Of Intestinal Stoma, Nos
4651	Closure Of Stoma Of Small Intestine
4652	Closure Of Stoma Of Large Intestine
4660	Fixation Of Intestine, Nos
4661	Fixation Of Small Intestine To Abdominal Wall
4662	Other Fixation Of Small Intestine
4663	Fixation Of Large Intestine To Abdominal Wall
4664	Other Fixation Of Large Intestine
4672	Closure Of Fistula Of Duodenum
4674	Closure Of Fistula Of Small Intestine, Except Duodenum
4676	Closure Of Fistula Of Large Intestine
4680	Intra-abdominal Manipulation Of Intestine, Nos
4681	Intra-abdominal Manipulation Of Small Intestine
4682	Intra-abdominal Manipulation Of Large Intestine
4691	Myotomy Of Sigmoid Colon
4692	Myotomy Of Other Parts Of Colon
4693	Revision Of Anastomosis Of Small Intestine
5695	Ligation Of Ureter
5771	Radical Cystectomy
5779	Other Total Cystectomy
5782	Closrue Of Cystostomy
5787	Reconstruction Of Urniary Bladder
5900	Retroperitoneal Dissection, Nos
5902	Other Lysis Of Perirenal Or Periureteral Adhesions
5909	Other Incision Of Perirenal Or Periureteral Tissue
6012	Open Biopsy Of Prostate
6014	Open Biopsy Of Seminal Vesicles
6015	Biopsy Of Periprostatic Tissue
603	Suprapubic Prostatectomy
604	Retropubic Prostatectomy
605	Radical Prostatectomy
6061	Local Excision Of Lesion Of Prostate
6072	Incision Of Seminal Vesicle
6073	Excision Of Seminal Vesicle
6079	Other Operations On Seminal Vesicles
6093	Repair Of Prostate
6509	Other Oophorectomy
6512	Other Biopsy Of Ovary
6521	Marsupialization Of Ovarian Cyst
6522	Wedge Resection Of Ovary
6529	Other Local Excision Or Destruction Of Ovary
6539	Other Unlilateral Oophorectomy
6549	Other Unliateral Salpingoophorectomy
6551	Other Removal Of Both Ovaries At Same Operative Episode
6552	Other Removal Of Remaining Ovary
6561	Other Removal Of Both Ovaries And Tubes At Same Operative Episode
6562	Other Removal Of Remaining Ovary And Tube
6571	Other Simple Suture Of Ovary
6572	Other Reimplantation Of Ovary
6573	Other Salpingo Oophoroplasty
6579	Other Repair Of Ovary

4694	Revision Of Anastomosis Of Large Intestine
4699	Other Operations On Intestines
4709	Other Appendectomy
4719	Other Incidental Appendectomy
472	Drainage Of Appendiceal Abscess
4791	Appendectomy
4792	Closure Of Appendiceal Fistula
4799	Other
4840	Pull-thru Res Rectum Nos
4841	Submucosal Resection Of Rectum
4843	Opn Pull-thru Res Rectum
4849	Other Pull-through Resection Of Rectum
485	Abdominoperineal Resection Of Rectum
4850	Abdperneal Res Rectm Nos
4852	Opn Abdperneal Resc Rec
4859	Abdperneal Resc Rect Nec
4875	Abdominal Proctopexy
500	Hepatotomy
5012	Open Biopsy Of Liver
5021	Marsupialization Of Lesion Of Liver
5022	Partial Hepatectomy
5023	Opn Abltn Liver Les/tiss
5026	Abltn Liver Les/tiss Nec
5029	Other Destruction Of Lesion Of Liver
503	Lobectomy Of Liver
504	Total Hepatectomy
5051	Auxiliary Liver Transplant
5059	Other Transplant Of Liver
5069	Other Repair Of Liver
5103	Other Cholecystotstomy
5104	Other Cholecystotomy
5113	Open Biopsy Of Gallbladder Or Bile Ducts
5121	Other Partial Cholecystectomy
5122	Cholecystectomy
5131	Anastomosis Of Gallbladder To Hepatic Ducts
6589	Other Lysis Of Adhesions Of Avary And Fallopian Tube
6592	Transplantation Of Ovary
6593	Manual Rupture Of Ovarian Cyst
6594	Ovarian Denervation
6595	Release Of Torsion Of Ovary
6599	Other Operations On Ovary
6601	Salpingotomy
6602	Salpingostomy
6631	Other Bilateral Ligation And Crushing Of Fallopian Tubes
6632	Other Bilateral Ligation And Division Of Fallopian Tubes
6639	Other Bilateral Destruction Or Occlusion Of Fallopian Tubes
664	Total Unilateral Salpingectomy
6651	Removal Of Both Fallopian Tubes At Same Operative Episode
6652	Removal Of Remaining Fallopian Tube
6661	Excision Or Destruction Of Lesion Of Fallopian Tube
6662	Salpingectomy With Removal Of Tubal Pregnancy
6663	Bilateral Partial Salpingectomy, Nos
6669	Other Partial Salpingectomy
6671	Simple Suture Of Fallopian Tube
6672	Salpingo-oophorostomy
6673	Salpingo-salpingostomy
6674	Salping0-uterostomy
6679	Other Repair Of Fallopian Tube
6692	Unilateral Destruction Or Occlusion Of Fallopian Tube
6697	Burying Of Fimbriae In Uterine Wall
680	Other Incision And Excision Of Uterus
6813	Open Biopsy Of Uterus
6814	Open Biopsy Of Uterine Ligaments
683	Subtotal Abdominal Hysterectomy
6839	Oth Subtot Abd Hysterect
684	Total Abdominal Hysterectomy
6841	Lap Total Abdominal Hyst
6849	Total Abd Hyst Nec/nos
686	Radical Abdominal Hysterectomy
6861	Lap Radical Abdomnl Hyst

5132	Anastomosis Of Gallbladder To Intestine	6869	Radical Abd Hyst Nec/nos
5133	Anastomosis Of Gallbladder To Pancreas	688	Pelvic Evisceration
5134	Anastomosis Of Gallbladder To Stomach	6922	Other Uterine Suspension
5135	Other Gallbladder Anastomosis	693	Paracervical Uterine Denervation
5136	Choledochoenterostomy	6941	Suture Of Laceration Of Uterus
5137	Anastomosis Of Hepatic Duct To Gastrointestinal Tract	6942	Closure Of Fistula Of Uterus
5139	Other Bile Duct Anastomosis	6949	Other Repair Of Uterus
5141	Common Duct Exploration For Removal Of Calculus		

DENOMINATOR EXCLUSIONS OVERALL (All RISK CATEGORY)

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 an ICD-9-CM principal or secondary diagnosis code present on admission for disruption of internal operation wound
• with principal ICD-9-CM procedure code for gastroschisis or umbilical hernia repair in newborns (omphalocele repair)
• with any-listed ICD-9-CM procedure codes for gastroschisis or umbilical hernia repair in newborns (omphalacele repair) performed before abdominal wall reclosure.
• with any-listed ICD-9-CM diagnosis codes or with any-listed ICD-9-CM procedure code for high-risk immunocompromised state, including transplant.
• with any-listed ICD-9-CM diagnosis codes for intermediate-risk immunocompromised state
• with any-listed ICD-9-CM diagnosis codes for cirrhosis and hepatic failure (see above)
• with length of stay less than two (2) days
• neonates with birth weight less than 500 grams (Birth Weight Category 1)
• 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)

Appendix F – High-Risk Immunocompromised States
Appendix G – Intermediate-Risk Immunocompromised States
Appendix I – Definitions of Neonate, Newborn, Normal Newborn, and Outborn
Appendix L – Low Birth Weight Categories

Gastroschisis or umbilical hernia repair in newborns (omphalacele repair) procedure codes: (REPGAST)

5341	Repair Of Umbilical Hernia With Prosthesis	5471	Repair Of Gastroschisis
5349	Other Umbilical Herniorrhaphy		

Cirrhosis diagnosis codes: (HEPFA2D)

5712	Alcoholic Cirrhosis Of Liver	5716	Biliary Cirrhosis
5715	Cirrhosis Of Liver Without Mention Of Alcohol		

Hepatic failure diagnosis codes: (HEPFA3D)

5722	Hepatic Coma	5724	Hepatorenal Syndrome

Disruption of internal operation (surgical) wound procedure codes: (ABWALLCD)

99831	Distruption of internal operation wound

DENOMINATOR RISK CATEGORY 1

Among patients otherwise qualifying for the denominator with elective surgical class 1 discharges. Elective surgical class 1 discharges are defined by specific MS-DRG codes with admission type recorded as elective (SID ATYPE=3).

MS-DRG codes for surgical class 1: (DRG1C)

001	Heart Transplant Or Implant Of Heart Assist System W MCC
002	Heart Transplant Or Implant Of Heart Assist System W/O MCC
009	Bone Marrow Transplant
014	Allogeneic Bone Marrow Transplant
015	Autologous Bone Marrow Transplant
016	Autologous Bone Marrow Transplant W CC/MCC
017	Autologous Bone Marrow Transplant W/O CC/MCC
020	Intracranial Vascular Procedures W Pdx Hemorrhage W MCC
021	Intracranial Vascular Procedures W Pdx Hemorrhage W CC
022	Intracranial Vascular Procedures W Pdx Hemorrhage W/O CC/MCC
023	Cranio W Major Dev Impl/acute Complex Cns Pdx W MCC Or Chemo Implant
024	Cranio W Major Dev Impl/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
028	Spinal Procedures W MCC
029	Spinal Procedures W CC Or Spinal Neurostimulators
030	Spinal Procedures W/O CC/MCC
350	Inguinal & Femoral Hernia Procedures W MCC
351	Inguinal & Femoral Hernia Procedures W CC
352	Inguinal & Femoral Hernia Procedures W/O CC/MCC
453	Combined Anterior/posterior Spinal Fusion W MCC
454	Combined Anterior/posterior Spinal Fusion W CC
455	Combined Anterior/posterior Spinal Fusion W/O CC/MCC
456	Spinal Fus Exc Cerv W Spinal Curv/malig/infec Or 9+ Fus W MCC
457	Spinal Fus Exc Cerv W Spinal Curv/malig/infec Or 9+ Fus W CC
458	Spinal Fus Exc Cerv W Spinal Curv/malig/infec Or 9+ Fus W/O CC/MCC
459	Spinal Fusion Except Cervical W MCC
460	Spinal Fusion Except Cervical W/O MCC
461	Bilateral Or Multiple Major Joint Procs Of Lower Extremity W MCC
462	Bilateral Or Multiple Major Joint Procs Of Lower Extremity W/O MCC
463	Wnd Debrid & Skn Grft Exc Hand, For Musculo-conn Tiss Dis W MCC
464	Wnd Debrid & Skn Grft Exc Hand, For Musculo-conn Tiss Dis W CC
465	Wnd Debrid & Skn Grft Exc Hand, For Musculo-conn Tiss Dis W/O CC/MCC
466	Revision Of Hip Or Knee Replacement W MCC
467	Revision Of Hip Or Knee Replacement W CC

031	Ventricular Shunt Procedures W MCC
032	Ventricular Shunt Procedures W CC
033	Ventricular Shunt Procedures W/O CC/MCC
034	Carotid Artery Stent Procedure W MCC
035	Carotid Artery Stent Procedure W CC
036	Carotid Artery Stent Procedure W/O CC/MCC
037	Extracranial Procedures W MCC
038	Extracranial Procedures W CC
039	Extracranial Procedures W/O CC/MCC
040	Periph & Cranial Nerve & Other Nerv Syst Proc W MCC
041	Periph/cranial Nerve & Other Nerv Syst Proc W CC Or Periph Neurostim
042	Periph & Cranial Nerve & Other Nerv Syst Proc W/O CC/MCC
113	Orbital Procedures W CC/MCC
114	Orbital Procedures W/O CC/MCC
115	Extraocular Procedures Except Orbit
116	Intraocular Procedures W CC/MCC
117	Intraocular Procedures W/O CC/MCC
129	Major Head & Neck Procedures W CC/MCC Or Major Device
130	Major Head & Neck Procedures W/O CC/MCC
131	Cranial/facial Procedures W CC/MCC
132	Cranial/facial Procedures W/O CC/MCC
133	Other Ear, Nose, Mouth & Throat O.R. Procedures W CC/MCC
134	Other Ear, Nose, Mouth & Throat O.R. Procedures W/O CC/MCC
468	Revision Of Hip Or Knee Replacement W/O CC/MCC
469	Major Joint Replacement Or Reattachment Of Lower Extremity W MCC
470	Major Joint Replacement Or Reattachment Of Lower Extremity W/O MCC
471	Cervical Spinal Fusion W MCC
472	Cervical Spinal Fusion W CC
473	Cervical Spinal Fusion W/O CC/MCC
474	Amputation For Musculoskeletal Sys & Conn Tissue Dis W MCC
475	Amputation For Musculoskeletal Sys & Conn Tissue Dis W CC
476	Amputation For Musculoskeletal Sys & Conn Tissue Dis W/O CC/MCC
477	Biopsies Of Musculoskeletal System & Connective Tissue W MCC
478	Biopsies Of Musculoskeletal System & Connective Tissue W CC
479	Biopsies Of Musculoskeletal System & Connective Tissue W/O CC/MCC
480	Hip & Femur Procedures Except Major Joint W MCC
481	Hip & Femur Procedures Except Major Joint W CC
482	Hip & Femur Procedures Except Major Joint W/O CC/MCC
483	Major Joint & Limb Reattachment Proc Of Upper Extremity W CC/MCC
484	Major Joint & Limb Reattachment Proc Of Upper Extremity W/O CC/MCC
485	Knee Procedures W Pdx Of Infection W MCC
486	Knee Procedures W Pdx Of Infection W CC
487	Knee Procedures W Pdx Of Infection W/O CC/MCC
488	Knee Procedures W/O Pdx Of Infection W CC/MCC
489	Knee Procedures W/O Pdx Of Infection W/O CC/MCC
490	Back & Neck Proc Exc Spinal Fusion W CC/MCC Or Disc Device/neurostim

135	Sinus & Mastoid Procedures W CC/MCC
136	Sinus & Mastoid Procedures W/O CC/MCC
137	Mouth Procedures W CC/MCC
138	Mouth Procedures W/O CC/MCC
139	Salivary Gland Procedures
215	Other Heart Assist System Implant
216	Cardiac Valve & Oth Maj Cardiothoracic Proc W Card Cath W MCC
217	Cardiac Valve & Oth Maj Cardiothoracic Proc W Card Cath W CC
218	Cardiac Valve & Oth Maj Cardiothoracic Proc W Card Cath W/O CC/MCC
219	Cardiac Valve & Oth Maj Cardiothoracic Proc W/O Card Cath W MCC
220	Cardiac Valve & Oth Maj Cardiothoracic Proc W/O Card Cath W CC
221	Cardiac Valve & Oth Maj Cardiothoracic Proc W/O Card Cath W/O CC/MCC
222	Cardiac Defib Implant W Cardiac Cath W Ami/hf/shock W MCC
223	Cardiac Defib Implant W Cardiac Cath W Ami/hf/shock W/O MCC
224	Cardiac Defib Implant W Cardiac Cath W/O Ami/hf/shock W MCC
225	Cardiac Defib Implant W Cardiac Cath W/O Ami/hf/shock W/O MCC
226	Cardiac Defibrillator Implant W/O Cardiac Cath W MCC
227	Cardiac Defibrillator Implant W/O Cardiac Cath W/O MCC
228	Other Cardiothoracic Procedures W MCC
229	Other Cardiothoracic Procedures W CC
230	Other Cardiothoracic Procedures W/O CC/MCC
231	Coronary Bypass W Ptca W MCC
232	Coronary Bypass W Ptca W/O MCC
491	Back & Neck Proc Exc Spinal Fusion W/O CC/MCC
492	Lower Extrem & Humer Proc Except Hip,foot,femur W MCC
493	Lower Extrem & Humer Proc Except Hip,foot,femur W CC
494	Lower Extrem & Humer Proc Except Hip,foot,femur W/O CC/MCC
495	Local Excision & Removal Int Fix Devices Exc Hip & Femur W MCC
496	Local Excision & Removal Int Fix Devices Exc Hip & Femur W CC
497	Local Excision & Removal Int Fix Devices Exc Hip & Femur W/O CC/MCC
498	Local Excision & Removal Int Fix Devices Of Hip & Femur W CC/MCC
499	Local Excision & Removal Int Fix Devices Of Hip & Femur W/O CC/MCC
500	Soft Tissue Procedures W MCC
501	Soft Tissue Procedures W CC
502	Soft Tissue Procedures W/O CC/MCC
503	Foot Procedures W MCC
504	Foot Procedures W CC
505	Foot Procedures W/O CC/MCC
506	Major Thumb Or Joint Procedures
507	Major Shoulder Or Elbow Joint Procedures W CC/MCC
508	Major Shoulder Or Elbow Joint Procedures W/O CC/MCC
509	Arthroscopy
510	Shoulder,elbow Or Forearm Proc,exc Major Joint Proc W MCC
511	Shoulder,elbow Or Forearm Proc,exc Major Joint Proc W CC
512	Shoulder,elbow Or Forearm Proc,exc Major Joint Proc W/O CC/MCC
513	Hand Or Wrist Proc, Except Major Thumb Or Joint Proc W CC/MCC

233	Coronary Bypass W Cardiac Cath W MCC
234	Coronary Bypass W Cardiac Cath W/O MCC
235	Coronary Bypass W/O Cardiac Cath W MCC
236	Coronary Bypass W/O Cardiac Cath W/O MCC
239	Amputation For Circ Sys Disorders Exc Upper Limb & Toe W MCC
240	Amputation For Circ Sys Disorders Exc Upper Limb & Toe W CC
241	Amputation For Circ Sys Disorders Exc Upper Limb & Toe W/O CC/MCC
242	Permanent Cardiac Pacemaker Implant W MCC
243	Permanent Cardiac Pacemaker Implant W CC
244	Permanent Cardiac Pacemaker Implant W/O CC/MCC
245	Aicd Lead & Generator Procedures
246	Perc Cardiovasc Proc W Drug-eluting Stent W MCC Or 4+ Vessels/stents
247	Perc Cardiovasc Proc W Drug-eluting Stent W/O MCC
248	Perc Cardiovasc Proc W Non-drug-eluting Stent W MCC Or 4+ Ves/stents
249	Perc Cardiovasc Proc W Non-drug-eluting Stent W/O MCC
250	Perc Cardiovasc Proc W/O Coronary Artery Stent Or Ami W MCC
251	Perc Cardiovasc Proc W/O Coronary Artery Stent Or Ami W/O MCC
252	Other Vascular Procedures W MCC
253	Other Vascular Procedures W CC
254	Other Vascular Procedures W/O CC/MCC
255	Upper Limb & Toe Amputation For Circ System Disorders W MCC
256	Upper Limb & Toe Amputation For Circ System Disorders W CC
514	Hand Or Wrist Proc, Except Major Thumb Or Joint Proc W/O CC/MCC
515	Other Musculoskelet Sys & Conn Tiss O.R. Proc W MCC
516	Other Musculoskelet Sys & Conn Tiss O.R. Proc W CC
517	Other Musculoskelet Sys & Conn Tiss O.R. Proc W/O CC/MCC
518	Other Musculoskelet Sys & Conn Tiss O.R. Proc W/O CC/MCC
519	Other Musculoskelet Sys & Conn Tiss O.R. Proc W/O CC/MCC
520	Other Musculoskelet Sys & Conn Tiss O.R. Proc W/O CC/MCC
582	Mastectomy For Malignancy W CC/MCC
583	Mastectomy For Malignancy W/O CC/MCC
584	Breast Biopsy, Local Excision & Other Breast Procedures W CC/MCC
585	Breast Biopsy, Local Excision & Other Breast Procedures W/O CC/MCC
614	Adrenal & Pituitary Procedures W CC/MCC
615	Adrenal & Pituitary Procedures W/O CC/MCC
616	Amputat Of Lower Limb For Endocrine,nutrit,& Metabol Dis W MCC
617	Amputat Of Lower Limb For Endocrine,nutrit,& Metabol Dis W CC
618	Amputat Of Lower Limb For Endocrine,nutrit,& Metabol Dis W/O CC/MCC
622	Skin Grafts & Wound Debrid For Endoc, Nutrit & Metab Dis W MCC
623	Skin Grafts & Wound Debrid For Endoc, Nutrit & Metab Dis W CC
624	Skin Grafts & Wound Debrid For Endoc, Nutrit & Metab Dis W/O CC/MCC
625	Thyroid, Parathyroid & Thyroglossal Procedures W MCC
626	Thyroid, Parathyroid & Thyroglossal Procedures W CC
627	Thyroid, Parathyroid & Thyroglossal Procedures W/O CC/MCC

257	Upper Limb & Toe Amputation For Circ System Disorders W/O CC/MCC	628	Other Endocrine, Nutrit & Metab O.R. Proc W MCC
258	Cardiac Pacemaker Device Replacement W MCC	629	Other Endocrine, Nutrit & Metab O.R. Proc W CC
259	Cardiac Pacemaker Device Replacement W/O MCC	630	Other Endocrine, Nutrit & Metab O.R. Proc W/O CC/MCC
260	Cardiac Pacemaker Revision Except Device Replacement W MCC	711	Testes Procedures W CC/MCC
261	Cardiac Pacemaker Revision Except Device Replacement W CC	712	Testes Procedures W/O CC/MCC
262	Cardiac Pacemaker Revision Except Device Replacement W/O CC/MCC	799	Splenectomy W MCC
263	Vein Ligation & Stripping	800	Splenectomy W CC
264	Other Circulatory System O.R. Procedures	801	Splenectomy W/O CC/MCC
265	Aicd Lead Procedures	802	Other O.R. Proc Of The Blood & Blood Forming Organs W MCC
266	Aicd Lead Procedures	803	Other O.R. Proc Of The Blood & Blood Forming Organs W CC
267	Aicd Lead Procedures	804	Other O.R. Proc Of The Blood & Blood Forming Organs W/O CC/MCC

DENOMINATOR RISK CATEGORY 2

Among patients otherwise qualifying for the denominator with non-elective surgical class 1 discharges. Non-elective surgical class 1 discharges are defined by specific MS-DRG codes (see above) with admission type recorded as non-elective (SID ATYPE not equal to 3).

DENOMINATOR RISK CATEGORY 3

Among patients otherwise qualifying for the denominator with elective surgical class 2, 3, or 9 discharges. Elective surgical class 2, 3, or 9 discharges are defined by specific MS-DRG codes with admission type recorded as elective (SID ATYPE=3).

MS-DRG codes for surgical class 2: (DRG2C)

003	Ecmo or Trach W Mv 96+ Hrs or Pdx Exc Face, Mouth & Neck W Maj O.R.	620	O.R. Procedures For Obesity W CC
004	Trach W Mv 96+ Hrs or Pdx Exc Face, Mouth & Neck W/O Maj O.R.	621	O.R. Procedures For Obesity W/O CC/MCC
005	Liver Transplant W MCC or Intestinal Transplant	652	Kidney Transplant
006	Liver Transplant W/O MCC	653	Major Bladder Procedures W MCC
007	Lung Transplant	654	Major Bladder Procedures W CC
008	Simultaneous Pancreas/kidney Transplant	655	Major Bladder Procedures W/O CC/MCC
010	Pancreas Transplant	656	Kidney & Ureter Procedures For Neoplasm W MCC
011	Tracheostomy For Face,mouth & Neck Diagnoses W MCC	657	Kidney & Ureter Procedures Forneoplasm W CC
012	Tracheostomy For Face,mouth & Neck Diagnoses W CC	658	Kidney & Ureter Procedures For Neoplasm W/O CC/MCC
013	Tracheostomy For Face,mouth & Neck Diagnoses W/O CC/MCC	659	Kidney & Ureter Procedures For Non-neoplasm W MCC
061	Acute Ischemic Stroke W Use Of Thrombolytic Agent W MCC	660	Kidney & Ureter Procedures For Non-neoplasm W CC
062	Acute Ischemic Stroke W Use Of Thrombolytic Agent W CC	661	Kidney & Ureter Procedures For Non-neoplasm W/O CC/MCC
063	Acute Ischemic Stroke W Use Of Thrombolytic Agent W/O CC/MCC	662	Minor Bladder Procedures W MCC
163	Major Chest Procedures W MCC	663	Minor Bladder Procedures W CC
164	Major Chest Procedures W CC	664	Minor Bladder Procedures W/O CC/MCC
165	Major Chest Procedures W/O CC/MCC	665	Prostatectomy W MCC
166	Other Resp System O.R. Procedures W MCC	666	Prostatectomy W CC
167	Other Resp System O.R. Procedures W CC	667	Prostatectomy W/O CC/MCC

168	Other Resp System O.R. Procedures W/O CC/MCC
327	Stomach, Esophageal & Duodenal Proc W CC
329	Major Small & Large Bowel Procedures W MCC
330	Major Small & Large Bowel Procedures W CC
331	Major Small & Large Bowel Procedures W/O CC/MCC
332	Rectal Resection W MCC
333	Rectal Resection W CC
334	Rectal Resection W/O CC/MCC
335	Peritoneal Adhesiolysis W MCC
336	Peritoneal Adhesiolysis W CC
337	Peritoneal Adhesiolysis W/O CC/MCC
341	Appendectomy W/O Complicated Principal Diag W MCC
342	Appendectomy W/O Complicated Principal Diag W CC
343	Appendectomy W/O Complicated Principal Diag W/O CC/MCC
344	Minor Small & Large Bowel Procedures W MCC
345	Minor Small & Large Bowel Procedures W CC
346	Minor Small & Large Bowel Procedures W/O CC/MCC
347	Anal & Stomal Procedures W MCC
348	Anal & Stomal Procedures W CC
668	Transurethral Procedures W MCC
669	Transurethral Procedures W CC
670	Transurethral Procedures W/O CC/MCC
672	Urethral Procedures W/O CC/MCC
673	Other Kidney & Urinary Tract Procedures W MCC
674	Other Kidney & Urinary Tract Procedures W CC
675	Other Kidney & Urinary Tract Procedures W/O CC/MCC
707	Major Male Pelvic Procedures W CC/MCC
708	Major Male Pelvic Procedures W/O CC/MCC
709	Penis Procedures W CC/MCC
710	Penis Procedures W/O CC/MCC
713	Transurethral Prostatectomy W CC/MCC
714	Transurethral Prostatectomy W/O CC/MCC
715	Other Male Reproductive System O.R. Proc For Malignancy W CC/MCC
716	Other Male Reproductive System O.R. Proc For Malignancy W/O CC/MCC
717	Other Male Reproductive System O.R. Proc Exc Malignancy W CC/MCC
718	Other Male Reproductive System O.R. Proc Exc Malignancy W/O CC/MCC
734	Pelvic Evisceration, Rad Hysterectomy & Rad Vulvectomy W CC/MCC
735	Pelvic Evisceration, Rad Hysterectomy & Rad Vulvectomy W/O CC/MCC

349	Anal & Stomal Procedures W/O CC/MCC
356	Other Digestive System O.R. Procedures W MCC
357	Other Digestive System O.R. Procedures W CC
358	Other Digestive System O.R. Procedures W/O CC/MCC
405	Pancreas, Liver & Shunt Procedures W MCC
406	Pancreas, Liver & Shunt Procedures W CC
407	Pancreas, Liver & Shunt Procedures W/O CC/MCC
408	Biliary Tract Proc Except Only Cholecyst W or W/O C.d.e. W MCC
409	Biliary Tract Proc Except Only Cholecyst W or W/O C.d.e. W CC
410	Biliary Tract Proc Except Only Cholecyst W or W/O C.d.e. W/O CC/MCC
411	Cholecystectomy W C.d.e. W MCC
412	Cholecystectomy W C.d.e. W CC
413	Cholecystectomy W C.d.e. W/O CC/MCC
414	Cholecystectomy Except By Laparoscope W/O C.d.e. W MCC
415	Cholecystectomy Except By Laparoscope W/O C.d.e. W CC
416	Cholecystectomy Except By Laparoscope W/O C.d.e. W/O CC/MCC
417	Laparoscopic Cholecystectomy W/O C.d.e. W MCC
418	Laparoscopic Cholecystectomy W/O C.d.e. W CC
419	Laparoscopic Cholecystectomy W/O C.d.e. W/O CC/MCC
420	Hepatobiliary Diagnostic Procedures W MCC
736	Uterine & Adnexa Proc For Ovarian or Adnexal Malignancy W MCC
737	Uterine & Adnexa Proc For Ovarian or Adnexal Malignancy W CC
738	Uterine & Adnexa Proc For Ovarian or Adnexal Malignancy W/O CC/MCC
739	Uterine,adnexa Proc For Non-ovarian/adnexal Malig W MCC
740	Uterine,adnexa Proc For Non-ovarian/adnexal Malig W CC
741	Uterine,adnexa Proc For Non-ovarian/adnexal Malig W/O CC/MCC
742	Uterine & Adnexa Proc For Non-malignancy W CC/MCC
743	Uterine & Adnexa Proc For Non-malignancy W/O CC/MCC
744	D&c, Conization, Laparoscopy & Tubal Interruption W CC/MCC
745	D&c, Conization, Laparoscopy & Tubal Interruption W/O CC/MCC
746	Vagina, Cervix & Vulva Procedures W CC/MCC
747	Vagina, Cervix & Vulva Procedures W/O CC/MCC
748	Female Reproductive System Reconstructive Procedures
749	Other Female Reproductive System O.R. Procedures W CC/MCC
750	Other Female Reproductive System O.R. Procedures W/O CC/MCC
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
769	Postpartum & Post Abortion Diagnoses W O.R. Procedure

421	Hepatobiliary Diagnostic Procedures W CC	770	Abortion W D&c, Aspiration Curettage or Hysterotomy
422	Hepatobiliary Diagnostic Procedures W/O CC/MCC	774	Vaginal Delivery W Complicating Diagnoses
423	Other Hepatobiliary or Pancreas O.R. Procedures W MCC	775	Vaginal Delivery W/O Complicating Diagnoses
424	Other Hepatobiliary or Pancreas O.R. Procedures W CC	981	Extensive O.R. Procedure Unrelated To Principal Diagnosis W MCC
425	Other Hepatobiliary or Pancreas O.R. Procedures W/O CC/MCC	982	Extensive O.R. Procedure Unrelated To Principal Diagnosis W CC
576	Skin Graft Exc For Skin Ulcer or Cellulitis W MCC	983	Extensive O.R. Procedure Unrelated To Principal Diagnosis W/O CC/MCC
577	Skin Graft Exc For Skin Ulcer or Cellulitis W CC	984	Prostatic O.R. Procedure Unrelated To Principal Diagnosis W MCC
578	Skin Graft Exc For Skin Ulcer or Cellulitis W/O CC/mc	985	Prostatic O.R. Procedure Unrelated To Principal Diagnosis W CC
579	Other Skin, Subcut Tiss & Breast Proc W MCC	986	Prostatic O.R. Procedure Unrelated To Principal Diagnosis W/O CC/MCC
580	Other Skin, Subcut Tiss & Breast Proc W CC	987	Non-extensive O.R. Proc Unrelated To Principal Diagnosis W MCC
581	Other Skin, Subcut Tiss & Breast Proc W/O CC/MCC	988	Non-extensive O.R. Proc Unrelated To Principal Diagnosis W CC
619	O.R. Procedures For Obesity W MCC	989	Non-extensive O.R. Proc Unrelated To Principal Diagnosis W/O CC/MCC

MS-DRG codes for surgical class 3: (DRG3C)

570	Skin Debridement W MCC	907	Other O.R. Procedures For Injuries W MCC
571	Skin Debridement W CC	908	Other O.R. Procedures For Injuries W CC
572	Skin Debridement W/O CC/MCC	909	Other O.R. Procedures For Injuries W/O CC/MCC
573	Skin Graft For Skin Ulcer or Cellulitis W MCC	927	Extensive Burns or Full Thickness Burns W Mv 96+ Hrs W Skin Graft
574	Skin Graft For Skin Ulcer or Cellulitis W CC	928	Full Thickness Burn W Skin Graft or Inhal Inj W CC/MCC
575	Skin Graft For Skin Ulcer or Cellulitis W/O CC/MCC	929	Full Thickness Burn W Skin Graft or Inhal Inj W/O CC/MCC
901	Wound Debridements For Injuries W MCC	955	Craniotomy For Multiple Significant Trauma
902	Wound Debridements For Injuries W CC	956	Limb Reattachment, Hip & Femur Proc For Multiple Significant Trauma

903	Wound Debridements For Injuries W/O CC/MCC
904	Skin Grafts For Injuries W CC/MCC
905	Skin Grafts For Injuries W/O CC/MCC
906	Hand Procedures For Injuries
957	Other O.R. Procedures For Multiple Significant Trauma W MCC
958	Other O.R. Procedures For Multiple Significant Trauma W CC
959	Other O.R. Procedures For Multiple Significant Trauma W/O CC/MCC

MS-DRG codes for surgical class 9: (DRG9C)

820	Lymphoma & Leukemia W Major O.R. Procedure W MCC
821	Lymphoma & Leukemia W Major O.R. Procedure W CC
822	Lymphoma & Leukemia W Major O.R. Procedure W/O CC/MCC
823	Lymphoma & Non-acute Leukemia W Other O.R. Proc W MCC
824	Lymphoma & Non-acute Leukemia W Other O.R. Proc W CC
825	Lymphoma & Non-acute Leukemia W Other O.R. Proc W/O CC/MCC
826	Myeloprolif Disord or Poorly Diff Neopl W Maj O.R. Proc W MCC
827	Myeloprolif Disord or Poorly Diff Neopl W Maj O.R. Proc W CC
828	Myeloprolif Disord or Poorly Diff Neopl W Maj O.R. Proc W/O CC/MCC
829	Myeloprolif Disord or Poorly Diff Neopl W Other O.R. Proc W CC/MCC
830	Myeloprolif Disord or Poorly Diff Neopl W Other O.R. Proc W/O CC/MCC
876	O.R. Procedure W Principal Diagnoses Of Mental Illness
939	O.R. Proc W Diagnoses Of Other Contact W Health Services W MCC
940	O.R. Proc W Diagnoses Of Other Contact W Health Services W CC
941	O.R. Proc W Diagnoses Of Other Contact W Health Services W/O CC/MCC
969	Hiv W Extensive O.R. Procedure W MCC
970	Hiv W Extensive O.R. Procedure W/O MCC

DENOMINATOR RISK CATEGORY 4

Among patients otherwise qualifying for the denominator with non-elective surgical class 2, 3, or 9 discharges. Non-elective surgical class 2, 3, or 9 discharges are defined by specific MS-DRG codes (see above) with admission type recorded as non-elective (SID ATYPE not equal to 3).

DENOMINATOR RISK CATEGORY 5

Among patients otherwise qualifying for the denominator with surgical class 4 discharges. Surgical class 4 discharges are defined by specific DRG or MS-DRG codes (see above).

MS-DRG codes for surgical class 4: (DRG4C)

605	Appendectomy W Complicated Principal Diag W CC	1801	Infectious & Parasitic Diseases W or Procedure
1899	O.R. Procedure For Infectious & Parasitic Diseases (no Longer Valid)	1802	Postoperative or Post-traumatic Infections W or Procedure

DENOMINATOR RISK CATEGORY 9

Among patients otherwise qualifying for the denominator with discharges not meeting the inclusion rules for Risk Category 1 through Risk Category 5.

DENOMINATOR EXCLUSION RISK CATEGORY

Note: The Denominator Exclusions are identical for Risk Categories 1, 2, 3, 4, 5 and 9.

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 an ICD-9-CM principal or secondary diagnosis code present on admission for disruption of internal operation wound
• with any-listed ICD-9-CM procedure codes for gastroschisis or umbilical hernia repair in newborns (omphalacele repair, see above) performed before abdominal wall reclosure (see above)
• with any-listed ICD-9-CM diagnosis codes and any-listed ICD-9-CM procedure code for high-risk immunocompromised state, including transplant.
• with any-listed ICD-9-CM diagnosis codes for intermediate-risk immunocompromised state
• with any-listed ICD-9-CM diagnosis codes for cirrhosis and hepatic failure (see above)
• with length of stay less than two (2) days
• neonates with birth weight less than 500 grams (Birth Weight Category 1)
• 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)

Appendix F – High-Risk Immunocompromised States
Appendix G – Intermediate-Risk Immunocompromised States
Appendix I – Definitions of Neonate, Newborn, Normal Newborn, and Outborn
Appendix L – Low Birth Weight Categories