

Perioperative Hemorrhage or Hematoma Rate Technical Specifications

Pediatric Quality Indicators #8 (PDI #8)

AHRQ Quality Indicators™, Version 5.0

March 2015

Provider-Level Indicator

Type of Score: Rate

Description

Perioperative hemorrhage or hematoma cases with control of perioperative hemorrhage or drainage of hematoma following surgery per 1,000 elective surgical discharges for patients ages 17 years and younger. Includes metrics for discharges grouped by high and low risk. Excludes cases with a diagnosis of coagulation disorder; cases with a principal diagnosis of perioperative hemorrhage or hematoma; cases with a secondary diagnosis of perioperative hemorrhage or hematoma present on admission; cases where the only operating room procedure is control of perioperative hemorrhage, drainage of hematoma, or a miscellaneous hemorrhage- or hematoma-related procedure; obstetric cases; and neonates with birth weight less than 500 grams.

[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.]

[NOTE: To obtain stratified results, the user must run the PDSASG2.SAS program in the SAS QI Software Version 5.0 or choose to stratify by risk category in the Windows QI Software Version 4.5]

Numerator

Overall:

Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with either:

- any secondary ICD-9-CM diagnosis codes for perioperative hemorrhage or hematoma and any-listed ICD-9-CM procedure codes for control of perioperative hemorrhage or evacuation of hematoma;

ICD-9-CM Perioperative hemorrhage or hematoma diagnosis codes:

99811 HEMORRHAGE COMPLIC PROC 99812 HEMATOMA COMPLIC PROC

ICD-9-CM Control of perioperative hemorrhage and evacuation of hematoma procedure codes:

1809	OTHER INCISION OF EXTERNAL EAR	0139	OTHER INCISION OF BRAIN
540	INCISION OF ABDOMINAL WALL	0213	LIGATION OF MENINGEAL VESSEL
5412	REOPENING OF RECENT LAPAROTOMY SITE	0239	OTHER OPERATIONS TO ESTABLISH DRAINAGE OF VENTRICLE
5919	OTHER INCISION OF PERIVESICLE TISSUE	0241	IRRIGATION AND EXPLORATION OF VENTRICULAR SHUNT
610	INCISION AND DRAINAGE OF SCROTUM AND TUNICA AND VAGINALIS	0309	OTHER EXPLORATION AND DECOMPRESSION OF SPINAL CANAL
6998	OTHER OPERATIONS ON SUPPORTING STRUCTURES OF UTERUS	0401	EXCISION OF ACOUSTIC NEUROMA
7014	OTHER VAGINOTOMY	0404	OTHER INCISION OF CRANIAL AND PERIPHERAL NERVES
7109	OTHER INCISION OF VULVA AND PERINEUM	0443	RELEASE OF CARPAL TUNNEL
7591	EVACUATION OF OBSTETRICAL INCISIONAL HEMATOMA OF PERINEUM	0444	RELEASE OF TARSAL TUNNEL
7592	EVACUATION OF OTHER HEMATOMA OF VULVA OR VAGINA	0602	REOPENING OF WOUND OF THYROID FIELD
8604	OTHER INCISION WITH DRAINAGE OF SKIN AND SUBCUTANEOUS TISSUE	0609	OTHER INCISION OF THYROID FIELD
287	CONTROL OF HEMORRHAGE AFTER TONSILLECTOMY AND ADENOIDECTOMY	0692	LIGATION OF THYROID VESSELS
3880	OTHER SURGICAL OCCLUSION OF UNSPECIFIED SITE	0700	ADRENAL EXPLORATION NOS
3881	OTHER SURGICAL OCCLUSION OF INTRACRANIAL VESSELS	0701	UNILAT ADRENAL EXPLORAT
3882	OTHER SURGICAL OCCLUSION OF OTHER VESSELS OF HEAD AND NECK	0702	BILAT ADRENAL EXPLORAT
3883	OTHER SURGICAL OCCLUSION OF UPPER LIMB VESSELS	0741	INCISION OF ADRENAL GLAND
3884	OTHER SURGICAL OCCLUSION OF AORTA, ABDOMINAL	0743	LIGATION OF ADRENAL VESSELS
3885	OTHER SURGICAL OCCLUSION OF THORACIC VESSEL	0751	EXPLORATION OF PINEAL FIELD
3886	OTHER SURGICAL OCCLUSION OF ABDOMINAL ARTERIES	0752	INCISION OF PINEAL GLAND
3887	OTHER SURGICAL OCCLUSION OF VESSELS ABDOMINAL VEINS	0771	EXPLORATION OF PITUITARY FOSSA
3888	OTHER SURGICAL OCCLUSION OF LOWER LIMB ARTERIES	0772	INCISION OF PITUITARY GLAND
3889	OTHER SURGICAL OCCLUSION OF LOWER LIMB VEINS	0791	EXPLORATION OF THYMUS FIELD
3941	CONTROL OF HEMORRHAGE FOLLOWING VASCULAR SURGERY	0792	INCISION OF THYMUS
3998	CONTROL OF HEMORRHAGE NOS	0795	THORACOSCOPIC INCISION OF THYMUS
4995	CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF ANUS	0809	OTHER INCISION OF EYELID
5793	CONTROL OF (POSTOPERATIVE HEMORRHAGE OF BLADDER)	090	INCISION OF LACRIMAL GLAND
6094	CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF PROSTATE	0953	INCISION OF LACRIMAL SAC
0121	INCISION AND DRAINAGE OF CRANIAL SINUS	1244	EXCISION OF LESION OF CILIARY BODY
0124	OTHER CRANIOTOMY	1289	OTHER OPERATIONS ON SCLERA
0131	INCISION OF CEREBRAL MENINGES	149	OTHER OPERATIONS ON RETINA, CHOROID, AND POSTERIOR CHAMBER
		1609	OTHER ORBITOTOMY
		1802	INCISION OF EXTERNAL AUDITORY CANAL
		1811	OTOSCOPY
		2001	MYRINGOTOMY WITH INSERTION OF TUBE
		2009	OTHER MYRINGOTOMY
		2021	MASTOID INCISION
		2022	PETRUS PYRAM AIR CEL INC
		2023	MIDDLE EAR INCISION
		2079	OTHER INCISION, EXCISION, AND DESTRUCTION OF INNER EAR
		2100	CONTROL OF EPISTAXIS, NOT OTHERWISE SPECIFIED
		2101	CONTROL OF EPISTAXIS BY ANTERIOR NASAL PACKING
		2102	CONTROL OF EPISTAXIS BY POSTERIOR (AND ANTERIOR) PACKING

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2103	CONTROL OF EPISTAXIS BY CAUTERIZATION (AND PACKING)	3803	UPPER LIMB VESSEL INCIS
2104	CONTROL OF EPISTAXIS BY LIGATION OF ETHMOIDAL ARTERIES	3804	INCISION OF AORTA
2105	CONTROL OF EPISTAXIS BY (TRANSANTRAL) LIGATION OF THE	3805	THORACIC VESSEL INC NEC
2106	CONTROL OF EPISTAXIS BY LIGATION OF THE EXTERNAL CAROTID	3806	ABDOMEN ARTERY INCISION
2107	CONTROL OF EPISTAXIS BY EXCISION OF NASAL MUCOSA AND SKIN	3807	ABDOMINAL VEIN INCISION
2109	CONTROL OF EPISTAXIS BY OTHER MEANS	3808	LOWER LIMB ARTERY INCIS
211	INCISION OF NOSE	3809	LOWER LIMB VEIN INCISION
2121	RHINOSCOPY	3850	VARICOSE V LIG-STRIP NOS
2219	OTHER DIAGNOSTIC PROCEDURES ON NASAL SINUSES	3851	INTCRAN VAR V LIG-STRIP
2239	OTHER EXTERNAL MAXILLARY ANTROTOMY	3852	HEAD/NECK VAR V LIG-STR
2241	FRONTAL SINUSOTOMY	3853	ARM VARICOSE V LIG-STRIP
2251	ETHMOIDOTOMY	3855	THORAC VAR V LIG-STRIP
2252	SPHENOIDOTOMY	3857	ABD VARICOS V LIGA-STRIP
260	INCISION OF SALIVARY GLAND OR DUCT	3859	LEG VARICOS V LIGA-STRIP
270	DRAINAGE OF FACE AND FLOOR OF MOUTH	387	INTERRUPTION OF THE VENA CAVA
280	INCISION AND DRAINAGE OF TONSIL AND PERITONSILLAR STRUCTURES	3930	SUTURE OF VESSEL NOS
2911	PHARYNGOSCOPY	3931	SUTURE OF ARTERY
313	OTHER INCISION OF LARYNX OR TRACHEA	3932	SUTURE OF VEIN
3141	TRACHEOSCOPY THROUGH ARTIFICIAL STOMA	3952	OTHER REPAIR OF ANEURYSM
3142	LARYNGOSCOPY AND OTHER TRACHEOSCOPY	3953	REPAIR OF ARTERIOVENOUS FISTULA
330	INCISION OF BRONCHUS	3972	ENDOVASCULAR REPAIR OR OCCLUSION OF HEAD AND NECK VESSELS
331	INCISION OF LUNG	3976	ENDOVASCULAR EMBOLIZATION/OCCLUSION VESSELS
3321	BRONCHOSCOPY THROUGH ARTIFICIAL STOMA	3979	OTHER ENDOVASCULAR REPAIR (OF ANEURYSM) OF OTHER VESSELS
3322	FIBEROPTIC BRONCHOSCOPY	398	OPERATIONS ON CAROTID BODY AND OTHER VASCULAR BODIES
3323	OTHER BRONCHOSCOPY	400	INCISION OF LYMPHATIC STRUCTURES
3324	CLOSED (ENDOSCOPIC) BIOPSY OF BRONCHUS	412	SPLENOTOMY
3402	EXPLORATORY THORACOTOMY	4209	OTHER INCISION OF ESOPHAGUS
3403	REOPENING OF RECENT THORACOTOMY SITE	4221	OPERATIVE ESOPHAGOSCOPY BY INCISION
3409	OTHER INCISION OF PLEURA	4222	ESOPHAGOSCOPY THROUGH ARTIFICIAL STOMA
341	INCISION OF MEDIASTINUM	4223	OTHER ESOPHAGOSCOPY
3421	TRANSPLURAL THORACOSCOPY	4233	ENDOSCOPIC EXCISION OR DESTRUCTION OF LESION OR TISSUE OF
3422	MEDIASTINOSCOPY	4239	OTHER DESTRUCTION OF LESION OR TISSUE OF ESOPHAGUS
3582	TOTAL REPAIR OF TOTAL ANOMALOUS PULMONARY VENOUS CONNECTION	4291	LIGATION OF ESOPHAGEAL VARICES
3639	OTHER HEART REVASCULARIZATION	430	GASTROTOMY
3699	OTHER OPERATIONS ON VESSELS OF HEART	4341	ENDOSCOPIC EXCISION OR DESTRUCTION OF LESION OR TISSUE OF
370	PERICARDIOCENTESIS	4411	TRANSABDOMINAL GASTROSCOPY
3711	CARDIOTOMY	4412	GASTROSCOPY THROUGH ARTIFICIAL STOMA
3799	OTHER OPERATIONS ON HEART AND PERICARDIUM	4413	OTHER GASTROSCOPY
3800	INCISION OF VESSEL NOS	4440	SUTURE PEPTIC ULCER NOS
3801	INTRACRAN VESSEL INCIS	4441	SUT GASTRIC ULCER SITE
3802	HEAD/NECK VES INCIS NEC	4442	SUTURE DUODEN ULCER SITE
		4443	ENDOSC CONTROL GAST HEM
		4444	TRANSCATH EMBO GAST HEM
		4449	OTHER CONTROL GAST HEM
		4491	LIGATION OF GASTRIC VARICES
		4500	INTESTINAL INCISION NOS
		4501	DUODENAL INCISION

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4502	SMALL BOWEL INCISION NEC	5731	CYSTOSCOPY THROUGH ARTIFICIAL STOMA
4503	LARGE BOWEL INCISION	5732	OTHER CYSTOSCOPY
4511	TRANSABDOMINAL ENDOSCOPY OF SMALL INTESTINE	580	URETHROTOMY
4512	ENDOSCOPY OF SMALL INTESTINE THROUGH ARTIFICIAL STOMA	5822	OTHER URETHROSCOPY
4513	OTHER ENDOSCOPY OF SMALL INTESTINE	5909	OTHER INCISION OF PERIRENAL OR PERIURETERAL TISSUE
4516	ESOPHAGOGASTRODUODENOSCOPY (EGD) WITH CLOSED BIOPSY	600	INCISION OF PROSTATE
4521	TRANSABDOMINAL ENDOSCOPY OF LARGE INTESTINE	6081	INCISION OF PERIPROSTATIC TISSUE
4522	ENDOSCOPY OF LARGE INTESTINE THROUGH ARTIFICIAL STOMA	620	INCISION OF TESTIS
4523	COLONOSCOPY	631	EXCISION OF VARICOCELE AND HYDROCELE OF SPERMATIC CORD
4524	FLEXIBLE SIGMOIDOSCOPY	636	VASOTOMY
4543	ENDOSCOPIC DESTRUCTION OF OTHER LESION OR TISSUE OF LARGE	6372	LIGATION OF SPERMATIC CORD
4549	OTHER DESTRUCTION OF LESION OF LARGE INTESTINE	6392	EPIDIDYMYOTOMY
480	PROCTOTOMY	6393	INCISION OF SPERMATIC CORD
4821	TRANSABDOMINAL PROCTOSIGMOIDOSCOPY	6492	INCISION OF PENIS
4822	PROCTOSIGMOIDOSCOPY THROUGH ARTIFICIAL STOMA	6501	LAPAROSCOPIC OOPHOROTOMY
4823	RIGID PROCTOSIGMOIDOSCOPY	6509	OTHER OOPHOROTOMY
4921	ANOSCOPY	6601	SALPINGOTOMY
4945	LIGATION OF HEMORRHOIDS	680	HYSTEROTOMY
500	HEPATOTOMY	6811	DIGITAL EXAMINATION OF UTERUS
5110	ENDOSCOPIC RETROGRADE CHOLANGIOPANCREATOGRAPHY	6812	HYSTEROSCOPY
5111	ENDOSCOPIC RETROGRADE CHOLANGIOGRAPHY	6824	UTERINE ART EMB W COILS (BEGIN 2011)
5141	COMMON DUCT EXPLORATION FOR REMOVAL OF CALCULUS	6825	UTERINE ART EMB W/O COIL (BEGIN 2011)
5142	COMMON DUCT EXPLORATION FOR RELIEF OF OTHER OBSTRUCTION	6995	INCISION OF CERVIX
5149	INCISION OF OTHER BILE DUCTS FOR RELIEF OF OBSTRUCTION	700	CULDOCENTESIS
5151	COMMON DUCT EXPLORATION	7012	CULDOTOMY
5159	BILE DUCT INCISION NEC	7021	VAGINOSCOPY
5184	ENDOSCOPIC DILATION OF AMPULLA AND BILIARY DUCT	7022	CULDOSCOPY
5188	ENDOSCOPIC REMOVAL OF STONE(S) FROM BILIARY TRACT	757	MANUAL EXPLORATION OF UTERINE CAVITY, POSTPARTUM
5196	PERCUTANEOUS EXTRACTION OF COMMON DUCT STONES	7710	OTHER INCISION OF BONE WITHOUT DIVISION, UNSPECIFIED SITE
5198	OTHER PERCUTANEOUS PROCEDURES ON BILIARY TRACT	8010	OTHER ARTHROTOMY, UNSPECIFIED SITE
5209	OTHER PANCREATOTOMY	8201	EXPLORATION OF TENDON SHEATH OF HAND
5213	ENDOSCOPIC RETROGRADE PANCREATOGRAPHY	8202	MYOTOMY OF HAND
5411	EXPLORATORY LAPAROTOMY	8203	BURSOTOMY OF HAND
5419	OTHER LAPAROTOMY	8204	INCISION AND DRAINAGE OF PALMAR OR THENAR SPACE
5421	LAPAROSCOPY	8209	OTHER INCISION OF SOFT TISSUE OF HAND
5495	INCISION OF PERITONEUM	8301	EXPLORATION OF TENDON SHEATH
5501	NEPHROTOMY	8302	MYOTOMY
5511	PYELOTOMY	8303	BURSOTOMY
5521	NEPHROSCOPY	8309	OTHER INCISION OF SOFT TISSUE
5522	PYELOSCOPY	850	MASTOTOMY
562	URETEROTOMY	8603	INCISION OF PILONIDAL SINUS OR CYST
5631	URETEROSCOPY	8609	OTHER INCISION OF SKIN AND SUBCUTANEOUS TISSUE
5719	OTHER CYSTOTOMY	9621	DILATION OF FRONTONASAL DUCT
		9925	INJECTION OR INFUSION OF CANCER CHEMOTHERAPEUTIC SUBSTANCE
		9929	INJECTION OR INFUSION OF OTHER THERAPEUTIC OR PROPHYLACTIC

ICD-9-CM Miscellaneous hemorrhage- or hematoma-related procedure codes:

0121 INCISION AND DRAINAGE OF CRANIAL SINUS
0124 OTHER CRANIOTOMY
0131 INCISION OF CEREBRAL MENINGES
0139 OTHER INCISION OF BRAIN
0213 LIGATION OF MENINGEAL VESSEL
0239 OTHER OPERATIONS TO ESTABLISH DRAINAGE OF VENTRICLE
0241 IRRIGATION AND EXPLORATION OF VENTRICULAR SHUNT
0309 OTHER EXPLORATION AND DECOMPRESSION OF SPINAL CANAL
0401 EXCISION OF ACOUSTIC NEUROMA
0404 OTHER INCISION OF CRANIAL AND PERIPHERAL NERVES
0443 RELEASE OF CARPAL TUNNEL
0444 RELEASE OF TARSAL TUNNEL
0602 REOPENING OF WOUND OF THYROID FIELD
0609 OTHER INCISION OF THYROID FIELD
0692 LIGATION OF THYROID VESSELS
0700 ADRENAL EXPLORATION NOS
0701 UNILAT ADRENAL EXPLORAT
0702 BILAT ADRENAL EXPLORAT
0741 INCISION OF ADRENAL GLAND
0743 LIGATION OF ADRENAL VESSELS
0751 EXPLORATION OF PINEAL FIELD
0752 INCISION OF PINEAL GLAND
0771 EXPLORATION OF PITUITARY FOSSA
0772 INCISION OF PITUITARY GLAND
0791 EXPLORATION OF THYMUS FIELD
0792 INCISION OF THYMUS
0795 THORACOSCOPIC INCISION OF THYMUS
0809 OTHER INCISION OF EYELID
090 INCISION OF LACRIMAL GLAND
0953 INCISION OF LACRIMAL SAC
1244 EXCISION OF LESION OF CILIARY BODY
1289 OTHER OPERATIONS ON SCLERA
149 OTHER OPERATIONS ON RETINA, CHOROID, AND POSTERIOR CHAMBER
1609 OTHER ORBITOTOMY
1802 INCISION OF EXTERNAL AUDITORY CANAL
1809 OTHER INCISION OF EXTERNAL EAR
1811 OTOSCOPY
2001 MYRINGOTOMY WITH INSERTION OF TUBE
2009 OTHER MYRINGOTOMY
2021 MASTOID INCISION
2022 PETRUS PYRAM AIR CEL INC
2023 MIDDLE EAR INCISION
2079 OTHER INCISION, EXCISION, AND DESTRUCTION OF INNER EAR
2100 CONTROL OF EPISTAXIS, NOT OTHERWISE SPECIFIED

2101 CONTROL OF EPISTAXIS BY ANTERIOR NASAL PACKING
2102 CONTROL OF EPISTAXIS BY POSTERIOR (AND ANTERIOR) PACKING
2103 CONTROL OF EPISTAXIS BY CAUTERIZATION (AND PACKING)
2104 CONTROL OF EPISTAXIS BY LIGATION OF ETHMOIDAL ARTERIES
2105 CONTROL OF EPISTAXIS BY (TRANSANTRAL) LIGATION OF THE
2106 CONTROL OF EPISTAXIS BY LIGATION OF THE EXTERNAL CAROTID
2107 CONTROL OF EPISTAXIS BY EXCISION OF NASAL MUCOSA AND SKIN
2109 CONTROL OF EPISTAXIS BY OTHER MEANS
211 INCISION OF NOSE
2121 RHINOSCOPY
2219 OTHER DIAGNOSTIC PROCEDURES ON NASAL SINUSES
2239 OTHER EXTERNAL MAXILLARY ANTROTOMY
2241 FRONTAL SINUSOTOMY
2251 ETHMOIDOTOMY
2252 SPHENOIDOTOMY
260 INCISION OF SALIVARY GLAND OR DUCT
270 DRAINAGE OF FACE AND FLOOR OF MOUTH
280 INCISION AND DRAINAGE OF TONSIL AND PERITONSILLAR STRUCTURES
287 CONTROL OF HEMORRHAGE AFTER TONSILLECTOMY AND
ADENOIDECTOMY
2911 PHARYNGOSCOPY
313 OTHER INCISION OF LARYNX OR TRACHEA
3141 TRACHEOSCOPY THROUGH ARTIFICIAL STOMA
3142 LARYNGOSCOPY AND OTHER TRACHEOSCOPY
330 INCISION OF BRONCHUS
331 INCISION OF LUNG
3321 BRONCHOSCOPY THROUGH ARTIFICIAL STOMA
3322 FIBEROPTIC BRONCHOSCOPY
3323 OTHER BRONCHOSCOPY
3324 CLOSED (ENDOSCOPIC) BIOPSY OF BRONCHUS
3402 EXPLORATORY THORACOTOMY
3403 REOPENING OF RECENT THORACOTOMY SITE
3409 OTHER INCISION OF PLEURA
341 INCISION OF MEDIASTINUM
3421 TRANSPLEURAL THORACOSCOPY
3422 MEDIASTINOSCOPY
3582 TOTAL REPAIR OF TOTAL ANOMALOUS PULMONARY VENOUS
CONNECTION
3639 OTHER HEART REVASCULARIZATION
3699 OTHER OPERATIONS ON VESSELS OF HEART
370 PERICARDIOCENTESIS
3711 CARDIOTOMY
3799 OTHER OPERATIONS ON HEART AND PERICARDIUM
3800 INCISION OF VESSEL NOS
3801 INTRACRAN VESSEL INCIS
3802 HEAD/NECK VES INCIS NEC

3803 UPPER LIMB VESSEL INCIS
3804 INCISION OF AORTA
3805 THORACIC VESSEL INC NEC
3806 ABDOMEN ARTERY INCISION
3807 ABDOMINAL VEIN INCISION
3808 LOWER LIMB ARTERY INCIS
3809 LOWER LIMB VEIN INCISION
3850 VARICOSE V LIG-STRIP NOS
3851 INTCRAN VAR V LIG-STRIP
3852 HEAD/NECK VAR V LIG-STR
3853 ARM VARICOSE V LIG-STRIP
3855 THORAC VAR V LIG-STRIP
3857 ABD VARICOS V LIGA-STRIP
3859 LEG VARICOS V LIGA-STRIP
387 INTERRUPTION OF THE VENA CAVA
3880 OTHER SURGICAL OCCLUSION OF UNSPECIFIED SITE
3881 OTHER SURGICAL OCCLUSION OF INTRACRANIAL VESSELS
3882 OTHER SURGICAL OCCLUSION OF OTHER VESSELS OF HEAD AND NECK
3883 OTHER SURGICAL OCCLUSION OF UPPER LIMB VESSELS
3884 OTHER SURGICAL OCCLUSION OF AORTA, ABDOMINAL
3885 OTHER SURGICAL OCCLUSION OF THORACIC VESSEL
3886 OTHER SURGICAL OCCLUSION OF ABDOMINAL ARTERIES
3887 OTHER SURGICAL OCCLUSION OF VESSELS ABDOMINAL VEINS
3888 OTHER SURGICAL OCCLUSION OF LOWER LIMB ARTERIES
3889 OTHER SURGICAL OCCLUSION OF LOWER LIMB VEINS
3930 SUTURE OF VESSEL NOS
3931 SUTURE OF ARTERY
3932 SUTURE OF VEIN
3941 CONTROL OF HEMORRHAGE FOLLOWING VASCULAR SURGERY
3952 OTHER REPAIR OF ANEURYSM
3953 REPAIR OF ARTERIOVENOUS FISTULA
3972 ENDOVASCULAR REPAIR OR OCCLUSION OF HEAD AND NECK VESSELS
3979 OTHER ENDOVASCULAR REPAIR (OF ANEURYSM) OF OTHER VESSELS
398 OPERATIONS ON CAROTID BODY AND OTHER VASCULAR BODIES
3998 CONTROL OF HEMORRHAGE NOS
400 INCISION OF LYMPHATIC STRUCTURES
412 SPLENOTOMY
4209 OTHER INCISION OF ESOPHAGUS
4221 OPERATIVE ESOPHAGOSCOPY BY INCISION
4222 ESOPHAGOSCOPY THROUGH ARTIFICIAL STOMA
4223 OTHER ESOPHAGOSCOPY
4233 ENDOSCOPIC EXCISION OR DESTRUCTION OF LESION OR TISSUE OF
4239 OTHER DESTRUCTION OF LESION OR TISSUE OF ESOPHAGUS
4291 LIGATION OF ESOPHAGEAL VARICES
430 GASTROTOMY

4341 ENDOSCOPIC EXCISION OR DESTRUCTION OF LESION OR TISSUE OF
4411 TRANSABDOMINAL GASTROSCOPY
4412 GASTROSCOPY THROUGH ARTIFICIAL STOMA
4413 OTHER GASTROSCOPY
4440 SUTURE PEPTIC ULCER NOS
4441 SUT GASTRIC ULCER SITE
4442 SUTURE DUODEN ULCER SITE
4443 ENDOSC CONTROL GAST HEM
4444 TRANSCATH EMBO GAST HEM
4449 OTHER CONTROL GAST HEM
4491 LIGATION OF GASTRIC VARICES
4500 INTESTINAL INCISION NOS
4501 DUODENAL INCISION
4502 SMALL BOWEL INCISION NEC
4503 LARGE BOWEL INCISION
4511 TRANSABDOMINAL ENDOSCOPY OF SMALL INTESTINE
4512 ENDOSCOPY OF SMALL INTESTINE THROUGH ARTIFICIAL STOMA
4513 OTHER ENDOSCOPY OF SMALL INTESTINE
4516 ESOPHAGOGASTRODUODENOSCOPY (EGD) WITH CLOSED BIOPSY
4521 TRANSABDOMINAL ENDOSCOPY OF LARGE INTESTINE
4522 ENDOSCOPY OF LARGE INTESTINE THROUGH ARTIFICIAL STOMA
4523 COLONOSCOPY
4524 FLEXIBLE SIGMOIDOSCOPY
4543 ENDOSCOPIC DESTRUCTION OF OTHER LESION OR TISSUE OF LARGE
4549 OTHER DESTRUCTION OF LESION OF LARGE INTESTINE
480 PROCTOTOMY
4821 TRANSABDOMINAL PROCTOSIGMOIDOSCOPY
4822 PROCTOSIGMOIDOSCOPY THROUGH ARTIFICIAL STOMA
4823 RIGID PROCTOSIGMOIDOSCOPY
4921 ANOSCOPY
4945 LIGATION OF HEMORRHOIDS
4995 CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF ANUS
500 HEPATOTOMY
5110 ENDOSCOPIC RETROGRADE CHOLANGIOPANCREATOGRAPHY
5111 ENDOSCOPIC RETROGRADE CHOLANGIOGRAPHY
5141 COMMON DUCT EXPLORATION FOR REMOVAL OF CALCULUS
5142 COMMON DUCT EXPLORATION FOR RELIEF OF OTHER OBSTRUCTION
5149 INCISION OF OTHER BILE DUCTS FOR RELIEF OF OBSTRUCTION
5151 COMMON DUCT EXPLORATION
5159 BILE DUCT INCISION NEC
5184 ENDOSCOPIC DILATION OF AMPULLA AND BILIARY DUCT
5188 ENDOSCOPIC REMOVAL OF STONE(S) FROM BILIARY TRACT
5196 PERCUTANEOUS EXTRACTION OF COMMON DUCT STONES
5198 OTHER PERCUTANEOUS PROCEDURES ON BILIARY TRACT
5209 OTHER PANCREATOTOMY

5213 ENDOSCOPIC RETROGRADE PANCREATOGRAPHY
540 INCISION OF ABDOMINAL WALL
5411 EXPLORATORY LAPAROTOMY
5412 REOPENING OF RECENT LAPAROTOMY SITE
5419 OTHER LAPAROTOMY
5421 LAPAROSCOPY
5495 INCISION OF PERITONEUM
5501 NEPHROTOMY
5511 PYELOTOMY
5521 NEPHROSCOPY
5522 PYELOSCOPY
562 URETEROTOMY
5631 URETEROSCOPY
5719 OTHER CYSTOTOMY
5731 CYSTOSCOPY THROUGH ARTIFICIAL STOMA
5732 OTHER CYSTOSCOPY
5793 CONTROL OF (POSTOPERATIVE HEMORRHAGE OF BLADDER)
580 URETHROTOMY
5822 OTHER URETHROSCOPY
5909 OTHER INCISION OF PERIRENAL OR PERIURETERAL TISSUE
5919 OTHER INCISION OF PERIVESICLE TISSUE
600 INCISION OF PROSTATE
6081 INCISION OF PERIPROSTATIC TISSUE
6094 CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF PROSTATE
610 INCISION AND DRAINAGE OF SCROTUM AND TUNICA AND VAGINALIS
620 INCISION OF TESTIS
631 EXCISION OF VARICOCELE AND HYDROCELE OF SPERMATIC CORD
636 VASOTOMY
6372 LIGATION OF SPERMATIC CORD
6392 EPIDIDYMYOTOMY
6393 INCISION OF SPERMATIC CORD
6492 INCISION OF PENIS
6501 LAPAROSCOPIC OOPHOROTOMY
6509 OTHER OOPHOROTOMY
6601 SALPINGOTOMY
680 HYSTEROTOMY
6811 DIGITAL EXAMINATION OF UTERUS
6812 HYSTEROSCOPY
6995 INCISION OF CERVIX
6998 OTHER OPERATIONS ON SUPPORTING STRUCTURES OF UTERUS
700 CULDOCENTESIS
7012 CULDOTOMY
7014 OTHER VAGINOTOMY
7021 VAGINOSCOPY
7022 CULDOSCOPY

7109	OTHER INCISION OF VULVA AND PERINEUM
757	MANUAL EXPLORATION OF UTERINE CAVITY, POSTPARTUM
7591	EVACUATION OF OBSTETRICAL INCISIONAL HEMATOMA OF PERINEUM
7592	EVACUATION OF OTHER HEMATOMA OF VULVA OR VAGINA
7710	OTHER INCISION OF BONE WITHOUT DIVISION, UNSPECIFIED SITE
8010	OTHER ARTHROTOMY, UNSPECIFIED SITE
8201	EXPLORATION OF TENDON SHEATH OF HAND
8202	MYOTOMY OF HAND
8203	BURSOTOMY OF HAND
8204	INCISION AND DRAINAGE OF PALMAR OR THENAR SPACE
8209	OTHER INCISION OF SOFT TISSUE OF HAND
8301	EXPLORATION OF TENDON SHEATH
8302	MYOTOMY
8303	BURSOTOMY
8309	OTHER INCISION OF SOFT TISSUE
850	MASTOTOMY
8603	INCISION OF PILONIDAL SINUS OR CYST
8604	OTHER INCISION WITH DRAINAGE OF SKIN AND SUBCUTANEOUS TISSUE
8609	OTHER INCISION OF SKIN AND SUBCUTANEOUS TISSUE
9621	DILATION OF FRONTAL NASAL DUCT
9925	INJECTION OR INFUSION OF CANCER CHEMOTHERAPEUTIC SUBSTANCE
9929	INJECTION OR INFUSION OF OTHER THERAPEUTIC OR PROPHYLACTIC

High Risk Category:

Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with either:

- any secondary ICD-9-CM diagnosis codes for perioperative hemorrhage or hematoma and any-listed ICD-9-CM procedure codes for control of perioperative hemorrhage or evacuation of hematoma;

Low Risk Category:

Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with either:

- any secondary ICD-9-CM diagnosis codes for perioperative hemorrhage or hematoma and any-listed ICD-9-CM procedure codes for control of perioperative hemorrhage or evacuation of hematoma;

Denominator

Overall:

Elective surgical discharges, for patients ages 17 years and under, with any-listed ICD-9-CM procedure code for an operating room procedure. Elective surgical discharges are defined by

specific DRG or MS-DRG codes with admission type recorded as elective (SID ATYPE=3).

See *Pediatric Quality Indicators Appendices*:

- Appendix A – Operating Room Procedure Codes
- Appendix B – Surgical DRGs
- Appendix C – Surgical MS-DRGs

Exclude cases:

- with a principal ICD-9-CM diagnosis code (or secondary diagnosis present on admission[†]) for perioperative hemorrhage (see above)
- with a principal ICD-9-CM diagnosis code (or secondary diagnosis present on admission[†]) for hematoma (see above)
- where the only operating room procedure is control of perioperative hemorrhage (see above), drainage of hematoma (see above), or miscellaneous hemorrhage- or hematoma-related procedure (see above)
- where the only operating room procedure is control of postoperative hemorrhage (see above), drainage of hematoma (see above), or a miscellaneous hemorrhage- or hematoma-related procedure (see above)
- with any secondary ICD-9-CM diagnosis codes for perioperative hemorrhage or postoperative hematoma (see above) and any-listed ICD-9-CM procedure codes for control of perioperative hemorrhage or evacuation of hematoma or miscellaneous hemorrhage- or hematoma- related procedure occurring before the first operating room procedure¹
- 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)

See *Pediatric Quality Indicators Appendices*:

- Appendix I – Definitions of Neonate, Newborn, Normal, and Outborn
- Appendix L – Low Birth Weight Categories

High Risk Category:

Elective surgical discharges, for patients ages 17 years and under, with any-listed ICD-9-CM procedure code for an operating room procedure and either any-listed ICD-9-CM diagnosis codes for coagulopathy or any-listed ICD-9-CM procedure codes for extracorporeal membrane oxygenation (ECMO). Elective surgical discharges are defined by specific DRG or MS-DRG codes with admission type recorded as elective (SID ATYPE=3).

See *Pediatric Quality Indicators Appendices*:

- Appendix A – Operating Room Procedure Codes

¹ If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available

- Appendix B – Surgical DRGs
- Appendix C – Surgical MS-DRGs

ICD-9-CM Coagulopathy diagnosis codes:

2860	CONG FACTOR VIII DIORD	2871	THROMBOCYTOPATHY
2861	CONG FACTOR IX DISORDER	2873	PRIMARY THROMBOCYTOPENIA
2862	CONG FACTOR XI DISORDER	28730	PRIM THROMBOCYTOPEN NOS
2863	CONG DEF CLOT FACTOR NEC	28731	IMMUNE THROMBOCYT PURPRA
2864	VON WILLEBRAND'S DISEASE	28732	EVANS' SYNDROME
2865	CIRCULATING ANTICOAG DIS	28733	CONG/HERID THROMB PURPRA
28652	ACQUIRED HEMOPHILIA	28739	PRIM THROMBOCYTOPEN NEC
28653	ANTIPHOS ANTIBODY W HEMOR DIS	2874	SECOND THROMBOCYTOPENIA
28659	OTH HEMOR DIS DT INTR CIRC	28741	POSTTRANSFUSION PURPURA
2866	DEFIBRATION SYNDROME	2875	THROMBOCYTOPENIA NOS
2867	ACQ COAGUL FACTOR DEFIC	2878	HEMORRHAGIC COND NEC
2869	COAGULAT DEFECT NEC NOS	2879	HEMORRHAGIC COND NOS

ICD-9-CM Extracorporeal membrane oxygenation (ECMO) procedure code:

3965 EXTRACORPOREAL MEMB OXY

Exclude cases:

- with a principal ICD-9-CM diagnosis code (or secondary diagnosis present on admission²) for perioperative hemorrhage or hematoma (see above)
- where the only operating room procedure is control of perioperative hemorrhage (see above), drainage of hematoma (see above), or a miscellaneous hemorrhage- or hematoma-related procedure (see above)
- with any secondary ICD-9-CM diagnosis codes for perioperative hemorrhage or hematoma (see above) and any-listed ICD-9-CM procedure codes for control of perioperative hemorrhage or evacuation of hematoma or miscellaneous hemorrhage- or hematoma- related procedure occurring before the first operating room procedure³
- 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)

See *Pediatric Quality Indicators Appendices*:

- Appendix I – Definitions of Neonate, Newborn, Normal, and Outborn
- Appendix L – Low Birth Weight Categories

Low Risk Category:

Elective surgical discharges, for patients ages 17 years and under, with any-listed ICD-9-CM procedure code for an operating room procedure and without any-listed ICD-9-CM diagnosis codes for coagulopathy (see above) and without any-listed ICD-9-CM procedure codes for ECMO (see above). Elective surgical discharges are defined by specific DRG or MS-DRG codes with admission type recorded as elective (SID ATYPE=3).

See *Pediatric Quality Indicators Appendices*:

- Appendix A – Operating Room Procedure Codes
- Appendix B – Surgical DRGs
- Appendix C – Surgical MS-DRGs

Exclude cases:

- with a principal ICD-9-CM diagnosis code (or secondary diagnosis present on admission⁴) for perioperative hemorrhage or hematoma (see above)
- where the only operating room procedure is control of perioperative hemorrhage (see above), drainage of hematoma (see above), or a miscellaneous hemorrhage- or hematoma-related procedure (see above)

² Only for cases that otherwise qualify for the numerator.

³ If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available

⁴ Only for cases that otherwise qualify for the numerator.

- with any secondary ICD-9-CM diagnosis codes for perioperative hemorrhage or hematoma (see above) and any-listed ICD-9-CM procedure codes for control of perioperative hemorrhage or evacuation of hematoma or miscellaneous hemorrhage- or hematoma- related procedure occurring before the first operating room procedure⁵
- 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)

See *Pediatric Quality Indicators Appendices*:

- Appendix I – Definitions of Neonate, Newborn, Normal, and Outborn
- Appendix L – Low Birth Weight Categories

⁵ If day of procedure is not available in the input data file, the rate may be slightly lower than if the information was available