

AHRQ QI™ Research Version 5.0, Patient Safety Indicators 27, Technical Specifications, Perioperative Hemorrhage or Hematoma Rate www.qualityindicators.ahrq.gov

0404	OTHER INCISION OF CRANIAL AND PERIPHERAL NERVES	430	GASTROTOMY
0443	RELEASE OF CARPAL TUNNEL	4341	ENDOSCOPIC EXCISION OR DESTRUCTION OF LESION OR TISSUE OF
0444	RELEASE OF TARSAL TUNNEL	4411	TRANSABDOMINAL GASTROSCOPY
0602	REOPENING OF WOUND OF THYROID FIELD	4412	GASTROSCOPY THROUGH ARTIFICIAL STOMA
0609	OTHER INCISION OF THYROID FIELD	4413	OTHER GASTROSCOPY
0692	LIGATION OF THYROID VESSELS	4440	SUTURE PEPTIC ULCER NOS
0700	ADRENAL EXPLORATION NOS	4441	SUT GASTRIC ULCER SITE
0701	UNILAT ADRENAL EXPLORAT	4442	SUTURE DUODEN ULCER SITE
0702	BILAT ADRENAL EXPLORAT	4443	ENDOSC CONTROL GAST HEM
0741	INCISION OF ADRENAL GLAND	4444	TRANSCATH EMBO GAST HEM
0743	LIGATION OF ADRENAL VESSELS	4449	OTHER CONTROL GAST HEM
0751	EXPLORATION OF PINEAL FIELD	4491	LIGATION OF GASTRIC VARICES
0752	INCISION OF PINEAL GLAND	4500	INTESTINAL INCISION NOS
0771	EXPLORATION OF PITUITARY FOSSA	4501	DUODENAL INCISION
0772	INCISION OF PITUITARY GLAND	4502	SMALL BOWEL INCISION NEC
0791	EXPLORATION OF THYMUS FIELD	4503	LARGE BOWEL INCISION
0792	INCISION OF THYMUS	4511	TRANSABDOMINAL ENDOSCOPY OF SMALL INTESTINE
0795	THORACOSCOPIC INCISION OF THYMUS	4512	ENDOSCOPY OF SMALL INTESTINE THROUGH ARTIFICIAL STOMA
0809	OTHER INCISION OF EYELID	4513	OTHER ENDOSCOPY OF SMALL INTESTINE
090	INCISION OF LACRIMAL GLAND	4516	ESOPHAGOGASTRODUODENOSCOPY (EGD) WITH CLOSED BIOPSY
0953	INCISION OF LACRIMAL SAC	4521	TRANSABDOMINAL ENDOSCOPY OF LARGE INTESTINE
1244	EXCISION OF LESION OF CILIARY BODY	4522	ENDOSCOPY OF LARGE INTESTINE THROUGH ARTIFICIAL STOMA
1289	OTHER OPERATIONS ON SCLERA	4523	COLONOSCOPY
149	OTHER OPERATIONS ON RETINA, CHOROID, AND POSTERIOR CHAMBER	4524	FLEXIBLE SIGMOIDOSCOPY
1609	OTHER ORBITOTOMY	4543	ENDOSCOPIC DESTRUCTION OF OTHER LESION OR TISSUE OF LARGE
1802	INCISION OF EXTERNAL AUDITORY CANAL	4549	OTHER DESTRUCTION OF LESION OF LARGE INTESTINE
1809	OTHER INCISION OF EXTERNAL EAR	480	PROCTOTOMY
1811	OTOSCOPY	4821	TRANSABDOMINAL PROCTOSIGMOIDOSCOPY
2001	MYRINGOTOMY WITH INSERTION OF TUBE	4822	PROCTOSIGMOIDOSCOPY THROUGH ARTIFICIAL STOMA
2009	OTHER MYRINGOTOMY	4823	RIGID PROCTOSIGMOIDOSCOPY
2021	MASTOID INCISION	4921	ANOSCOPY
2022	PETRUS PYRAM AIR CEL INC	4945	LIGATION OF HEMORRHOIDS
2023	MIDDLE EAR INCISION	4995	CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF ANUS
2079	OTHER INCISION, EXCISION, AND DESTRUCTION OF INNER EAR	500	HEPATOTOMY
2100	CONTROL OF EPISTAXIS, NOT OTHERWISE SPECIFIED	5110	ENDOSCOPIC RETROGRADE CHOLANGIOPANCREATOGRAPHY
2101	CONTROL OF EPISTAXIS BY ANTERIOR NASAL PACKING	5111	ENDOSCOPIC RETROGRADE CHOLANGIOGRAPHY
2102	CONTROL OF EPISTAXIS BY POSTERIOR (AND ANTERIOR) PACKING	5141	COMMON DUCT EXPLORATION FOR REMOVAL OF CALCULUS
2103	CONTROL OF EPISTAXIS BY CAUTERIZATION (AND PACKING)	5142	COMMON DUCT EXPLORATION FOR RELIEF OF OTHER OBSTRUCTION
2104	CONTROL OF EPISTAXIS BY LIGATION OF ETHMOIDAL ARTERIES	5149	INCISION OF OTHER BILE DUCTS FOR RELIEF OF OBSTRUCTION
2105	CONTROL OF EPISTAXIS BY (TRANSANTRAL) LIGATION OF THE	5151	COMMON DUCT EXPLORATION

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2106	CONTROL OF EPISTAXIS BY LIGATION OF THE EXTERNAL CAROTID	5159	BILE DUCT INCISION NEC
2107	CONTROL OF EPISTAXIS BY EXCISION OF NASAL MUCOSA AND SKIN	5184	ENDOSCOPIC DILATION OF AMPULLA AND BILIARY DUCT
2109	CONTROL OF EPISTAXIS BY OTHER MEANS	5188	ENDOSCOPIC REMOVAL OF STONE(S) FROM BILIARY TRACT
211	INCISION OF NOSE	5196	PERCUTANEOUS EXTRACTION OF COMMON DUCT STONES
2121	RHINOSCOPY	5198	OTHER PERCUTANEOUS PROCEDURES ON BILIARY TRACT
2219	OTHER DIAGNOSTIC PROCEDURES ON NASAL SINUSES	5209	OTHER PANCREATOTOMY
2239	OTHER EXTERNAL MAXILLARY ANTROTOMY	5213	ENDOSCOPIC RETROGRADE PANCREATOGRAPHY
2241	FRONTAL SINUSOTOMY	540	INCISION OF ABDOMINAL WALL
2251	ETHMOIDOTOMY	5411	EXPLORATORY LAPAROTOMY
2252	SPHENOIDOTOMY	5412	REOPENING OF RECENT LAPAROTOMY SITE
260	INCISION OF SALIVARY GLAND OR DUCT	5419	OTHER LAPAROTOMY
270	DRAINAGE OF FACE AND FLOOR OF MOUTH	5421	LAPAROSCOPY
280	INCISION AND DRAINAGE OF TONSIL AND PERITONSILLAR STRUCTURES	5495	INCISION OF PERITONEUM
287	CONTROL OF HEMORRHAGE AFTER TONSILLECTOMY AND ADENOIDECTOMY	5501	NEPHROTOMY
2911	PHARYNGOSCOPY	5511	PYELOTOMY
313	OTHER INCISION OF LARYNX OR TRACHEA	5521	NEPHROSCOPY
3141	TRACHEOSCOPY THROUGH ARTIFICIAL STOMA	5522	PYELOSCOPY
3142	LARYNGOSCOPY AND OTHER TRACHEOSCOPY	562	URETEROTOMY
330	INCISION OF BRONCHUS	5631	URETEROSCOPY
331	INCISION OF LUNG	5719	OTHER CYSTOTOMY
3321	BRONCHOSCOPY THROUGH ARTIFICIAL STOMA	5731	CYSTOSCOPY THROUGH ARTIFICIAL STOMA
3322	FIBEROPTIC BRONCHOSCOPY	5732	OTHER CYSTOSCOPY
3323	OTHER BRONCHOSCOPY	5793	CONTROL OF (POSTOPERATIVE HEMORRHAGE OF BLADDER)
3324	CLOSED (ENDOSCOPIC) BIOPSY OF BRONCHUS	580	URETHROTOMY
3402	EXPLORATORY THORACOTOMY	5822	OTHER URETHROSCOPY
3403	REOPENING OF RECENT THORACOTOMY SITE	5909	OTHER INCISION OF PERIRENAL OR PERIURETERAL TISSUE
3409	OTHER INCISION OF PLEURA	5919	OTHER INCISION OF PERIVESICLE TISSUE
341	INCISION OF MEDIASTINUM	600	INCISION OF PROSTATE
3421	TRANSPLEURAL THORACOSCOPY	6081	INCISION OF PERIPROSTATIC TISSUE
3422	MEDIASTINOSCOPY	6094	CONTROL OF (POSTOPERATIVE) HEMORRHAGE OF PROSTATE
3582	TOTAL REPAIR OF TOTAL ANOMALOUS PULMONARY VENOUS CONNECTION	610	INCISION AND DRAINAGE OF SCROTUM AND TUNICA AND VAGINALIS
3639	OTHER HEART REVASCULARIZATION	620	INCISION OF TESTIS
3699	OTHER OPERATIONS ON VESSELS OF HEART	631	EXCISION OF VARICOCELE AND HYDROCELE OF SPERMATIC CORD
370	PERICARDIOCENTESIS	636	VASOTOMY
3711	CARDIOTOMY	6372	LIGATION OF SPERMATIC CORD
3799	OTHER OPERATIONS ON HEART AND PERICARDIUM	6392	EPIDIDYMYOTOMY
3800	INCISION OF VESSEL NOS	6393	INCISION OF SPERMATIC CORD
3801	INTRACRAN VESSEL INCIS	6492	INCISION OF PENIS

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3802	HEAD/NECK VES INCIS NEC	6501	LAPAROSCOPIC OOPHOROTOMY
3803	UPPER LIMB VESSEL INCIS	6509	OTHER OOPHOROTOMY
3804	INCISION OF AORTA	6601	SALPINGOTOMY
3805	THORACIC VESSEL INC NEC	680	HYSTEROTOMY
3806	ABDOMEN ARTERY INCISION	6811	DIGITAL EXAMINATION OF UTERUS
3807	ABDOMINAL VEIN INCISION	6812	HYSTEROSCOPY
3808	LOWER LIMB ARTERY INCIS	6824	1 /*UTERINE ART EMB W COILS (BEGIN 2011)
3809	LOWER LIMB VEIN INCISION	6825	1 /*UTERINE ART EMB W/O COIL (BEGIN 2011)
3850	VARICOSE V LIG-STRIP NOS	6995	INCISION OF CERVIX
3851	INTCRAN VAR V LIG-STRIP	6998	OTHER OPERATIONS ON SUPPORTING STRUCTURES OF UTERUS
3852	HEAD/NECK VAR V LIG-STR	700	CULDOCENTESIS
3853	ARM VARICOSE V LIG-STRIP	7012	CULDOTOMY
3855	THORAC VAR V LIG-STRIP	7014	OTHER VAGINOTOMY
3857	ABD VARICOS V LIGA-STRIP	7021	VAGINOSCOPY
3859	LEG VARICOS V LIGA-STRIP	7022	CULDOSCOPY
387	INTERRUPTION OF THE VENA CAVA	7109	OTHER INCISION OF VULVA AND PERINEUM
3880	OTHER SURGICAL OCCLUSION OF UNSPECIFIED SITE	757	MANUAL EXPLORATION OF UTERINE CAVITY, POSTPARTUM
3881	OTHER SURGICAL OCCLUSION OF INTRACRANIAL VESSELS	7591	EVACUATION OF OBSTETRICAL INCISIONAL HEMATOMA OF PERINEUM
3882	OTHER SURGICAL OCCLUSION OF OTHER VESSELS OF HEAD AND NECK	7592	EVACUATION OF OTHER HEMATOMA OF VULVA OR VAGINA
3883	OTHER SURGICAL OCCLUSION OF UPPER LIMB VESSELS	7710	OTHER INCISION OF BONE WITHOUT DIVISION, UNSPECIFIED SITE
3884	OTHER SURGICAL OCCLUSION OF AORTA, ABDOMINAL	8010	OTHER ARTHROTOMY, UNSPECIFIED SITE
3885	OTHER SURGICAL OCCLUSION OF THORACIC VESSEL	8201	EXPLORATION OF TENDON SHEATH OF HAND
3886	OTHER SURGICAL OCCLUSION OF ABDOMINAL ARTERIES	8202	MYOTOMY OF HAND
3887	OTHER SURGICAL OCCLUSION OF VESSELS ABDOMINAL VEINS	8203	BURSOTOMY OF HAND
3888	OTHER SURGICAL OCCLUSION OF LOWER LIMB ARTERIES	8204	INCISION AND DRAINAGE OF PALMAR OR THENAR SPACE
3889	OTHER SURGICAL OCCLUSION OF LOWER LIMB VEINS	8209	OTHER INCISION OF SOFT TISSUE OF HAND
3930	SUTURE OF VESSEL NOS	8301	EXPLORATION OF TENDON SHEATH
3931	SUTURE OF ARTERY	8302	MYOTOMY
3932	SUTURE OF VEIN	8303	BURSOTOMY
3941	CONTROL OF HEMORRHAGE FOLLOWING VASCULAR SURGERY	8309	OTHER INCISION OF SOFT TISSUE
3952	OTHER REPAIR OF ANEURYSM	850	MASTOTOMY
3953	REPAIR OF ARTERIOVENOUS FISTULA	8603	INCISION OF PILONIDAL SINUS OR CYST
3972	ENDOVASCULAR REPAIR OR OCCLUSION OF HEAD AND NECK VESSELS	8604	OTHER INCISION WITH DRAINAGE OF SKIN AND SUBCUTANEOUS TISSUE
3976	ENDOVASCULAR EMBOLIZATION/OCCLUSION VESSELS HEAD/NECK USING BIOACTIVE COILS	8609	OTHER INCISION OF SKIN AND SUBCUTANEOUS TISSUE
3979	OTHER ENDOVASCULAR REPAIR (OF ANEURYSM) OF OTHER VESSELS	9621	DILATION OF FRONTONASAL DUCT
398	OPERATIONS ON CAROTID BODY AND OTHER VASCULAR BODIES	9925	INJECTION OR INFUSION OF CANCER CHEMOTHERAPEUTIC SUBSTANCE
3998	CONTROL OF HEMORRHAGE NOS	9929	INJECTION OR INFUSION OF OTHER THERAPEUTIC OR PROPHYLACTIC

Exclude cases:

1. with any-listed ICD-9-CM diagnosis codes for coagulation disorder
2. MDC 14 (pregnancy, childbirth, and puerperium)
3. with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), principal diagnosis (DX1=missing), or county (PSTCO=missing)

ICD-9-CM Coagulation disorder diagnosis codes:

2860	CONG FACTOR VIII DISORDER	28652	ACQUIRED HEMOPHILIA
2861	CONG FACTOR IX DISORDER	28659	OT HEM D/T CIRC ANTICOAG
2862	CONG FACTOR XI DISORDER	2866	DEFIBRATION SYNDROME
2863	CONG DEF CLOT FACTOR NEC	2867	ACQ COAGUL FACTOR DEF
2864	VON WILLEBRAND'S DISEASE	2869	COAGUL DEFECT NEC NOS

Denominator

Population ages 18 years and older in metropolitan area[†] or county. Discharges in the numerator are assigned to the denominator based on the metropolitan area or county of the patient residence, not the metropolitan area or county of the hospital where the discharge occurred.

[†] The term “metropolitan area” (MA) was adopted by the U.S. Census in 1990 and referred collectively to metropolitan statistical areas (MSAs), consolidated metropolitan statistical areas (CMSAs) and primary metropolitan statistical areas (PMSAs). In addition, “area” could refer to either 1) FIPS county, 2) modified FIPS county, 3) 1999 OMB Metropolitan Statistical Area or 4) 2003 OMB Metropolitan Statistical Area. Micropolitan Statistical Areas are not used in the QI software.