

Gastroenteritis Admission Rate

Pediatric Quality Indicators #16

Technical Specifications

Area-Level Indicator

AHRQ Quality Indicators, Version 4.4, March 2012

Numerator

All non-maternal discharges ages 3 months through 17 years

- with ICD-9-CM principal diagnosis code for gastroenteritis

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- with secondary diagnosis code of gastroenteritis **and** a principal diagnosis code of dehydration.

ICD-9-CM Gastroenteritis diagnosis codes:

00861	INTES INFEC ROTAVIRUS	00869	OTHER VIRAL INTES INFEC
00862	INTES INFEC ADENOVIRUS	0088	VIRAL ENTERITIS NOS
00863	INT INF NORWALK VIRUS	0090	INFECTIOUS ENTERITIS NOS
00864	INT INF OTH SML RND VRUS	0091	ENTERITIS OF INFECT ORIG
00865	ENTERITIS D/T CALICIVIRUS	0092	INFECTIOUS DIARRHEA NOS
00866	INTES INFEC ASTROVIRUS	0093	DIARRHEA OF INFECT ORIG
00867	INT INF ENTEROVIRUS NEC	5589	NONINF GASTROENTERIT NEC

ICD-9-CM Dehydration diagnosis codes¹:

2765	HYPOVOLEMIA	27651	DEHYDRATION
27650	VOLUME DEPLETION NOS	27652	HYPOVOLEMIA

¹ Italicized codes are not active in the current fiscal year.

Exclude cases:

- transfer from a hospital (different facility)
- transfer from a Skilled Nursing Facility (SNF) or Intermediate Care Facility (ICF)
- transfer from another health care facility
- neonates if age in days is missing
- with any diagnosis code of gastrointestinal abnormalities or bacterial gastroenteritis
- MDC 14 (pregnancy, childbirth, and puerperium)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), principal diagnosis (DX1=missing), or county (PSTCO=missing)

See *Pediatric Quality Indicators Appendices*:

- Appendix I – Definitions of Neonate, Newborn, Normal Newborn, and Outborn
- Appendix J – Admission Codes for Transfers

ICD-9-CM Gastrintestinal abnormalities diagnosis codes:

53570	EOSINOPHIL GASTRT WO HEM	5568	OTHER ULCERATIVE COLITIS
53571	EOSINOPHILC GASTRT W HEM	5569	ULCERATVE COLITIS UNSPCF
538	GI MUCOSITIS (ULCERATVE)	5581	RADIATION GASTROENTERIT
5550	REG ENTERITIS, SM INTEST	5582	TOXIC GASTROENTERITIS
5551	REG ENTERITIS, LG INTEST	5583	ALLRGIC GASTRO & COLITIS
5552	REG ENTERIT SM/LG INTEST	55841	EOSINOPHILIC GASTROENT
5559	REGIONAL ENTERITIS NOS	55842	EOSINOPHILIC COLITIS
5560	ULCERATIVE ENTEROCOLITIS	5790	CELIAC DISEASE
5561	ULCERATIVE ILEOCOLITIS	5791	TROPICAL SPRUE
5562	ULCERATIVE PROCTITIS	5792	BLIND LOOP SYNDROME
5563	ULCERATIVE PRCTOSIGMOIDITIS	5793	INTEST POSTOP NONABSORB
5564	PSEUDOPOLYPOSIS COLON	5794	PANCREATIC STEATORRHEA
5565	LFTSDED ULCERTVE COLITIS	5798	INTEST MALABSORPTION NEC
5566	UNIVRSL ULCERTVE COLITIS	5799	INTEST MALABSORPTION NOS

ICD-9-CM Bacterial gastroenteritis diagnosis codes¹:

0030	SALMONELLA ENTERITIS	0075	CYCLOSPORIASIS
0040	SHIGELLA DYSENTERIAE	0078	PROTOZOAL INTEST DIS NEC
0041	SHIGELLA FLEXNERI	0079	PROTOZOAL INTEST DIS NOS
0042	SHIGELLA BOYDII	<i>0080</i>	<i>ESCHERICHIA COLI</i>
0043	SHIGELLA SONNEI	00800	INTEST INFEC E COLI NOS
0048	SHIGELLA INFECTION NEC	00801	INT INF E COLI ENTRPATH
0049	SHIGELLOSIS NOS	00802	INT INF E COLI ENTRTOXGN
0050	STAPH FOOD POISONING	00803	INT INF E COLI ENTRNVSV
0051	BOTULISM FOOD POISONING	00804	INT INF E COLI ENTRHMRG
0052	FOOD POIS D/T C. PERFRIN	00809	INT INF E COLI SPCF NEC
0053	FOOD POIS: CLOSTRID NEC	0081	ARIZONA ENTERITIS
0054	FOOD POIS: V. PARAHAEM	0082	AEROBACTER ENTERITIS
<i>0058</i>	<i>OTHER BACTERIAL FOOD POISONING</i>	0083	PROTEUS ENTERITIS
00581	FOOD POISN D/T V. VULNIF	<i>0084</i>	<i>OTHER SPECIFIED BACTERIA</i>
00589	BACT FOOD POISONING NEC	00841	STAPHYLOCOCC ENTERITIS
0059	FOOD POISONING NOS	00842	PSEUDOMONAS ENTERITIS
0060	AC AMEBIASIS W/O ABSCESS	00843	INT INFEC CAMPYLOBACTER
0061	CHR AMEBIASIS W/O ABSCEC	00844	INT INF YRSNIA ENTRCLTCA
0062	AMEBIC NONDYSENT COLITIS	00845	INT INF CLSTRDIUM DFCILE
0070	BALANTIDIASIS	00846	INTES INFEC OTH ANEROBES
0071	GIARDIASIS	00847	INT INF OTH GRM NEG BCTR
0072	COCCIDIOSIS	00849	BACTERIAL ENTERITIS NEC
0073	INTEST TRICHOMONIASIS	0085	BACTERIAL ENTERITIS NOS
0074	CRYPTOSPORIDIOSIS	11285	CANDIDAL ENTERITIS

¹ Italicized codes are not active in the current fiscal year.

Denominator

Discharges in the numerator are assigned to the denominator based on the Metro Area¹ or county of the patient residence, not the Metro Area or county of the hospital where the discharge occurred.

¹ 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 3) 2003 OMB Metropolitan Statistical Area. Micropolitan Statistical Areas are not used in the QI software.