



PQI #12 Urinary Tract Infection Admission Rate

Numerator

All discharges of age 18 years and older with ICD-9-CM principal diagnosis code of urinary tract infection (see below).

Include ICD-9-CM diagnosis codes:

59010	AC PYELONEPHRITIS NOS	59081	PYELONEPHRIT IN OTH DIS
59011	AC PYELONEPHR W MED NECR	5909	INFECTION OF KIDNEY NOS
5902	RENAL/PERIRENAL ABSCESS	5950	ACUTE CYSTITIS
5903	PYELOURETERITIS CYSTICA	5959	CYSTITIS NOS
59080	PYELONEPHRITIS NOS	5990	URIN TRACT INFECTION NOS

See *Prevention Quality Indicators Appendices*:

- Appendix A – Admission Codes for Transfers

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
- MDC 14 (pregnancy, childbirth, and puerperium)
- with any diagnosis of kidney/urinary tract disorder
- with any diagnosis or procedure code for immunocompromised state

ICD-9-CM Kidney/Urinary Tract Disorder diagnosis codes

59000	CHR PYELONEPHRITIS NOS	75313	POLYCYST KID-AUTOSOM DOM
59001	CHR PYELONEPH W MED NECR	75314	POLYCYST KID-AUTOSOM REC
59370	VESICoureTRL RFLUX UNSPCF	75315	RENAL DYSPLASIA
59371	VESICoureTERAL REFLUX UNILTRL	75316	MEDULLARY CYSTIC KIDNEY
59372	VESICoureTERAL REFLUX NPHT BLTRL	75317	MEDULLARY SPONGE KIDNEY
59373	VESICoureTERAL REFLUX W NPHT NOS	75319	CYSTIC KIDNEY DISEAS NEC
7530	RENAL AGENESIS	75320	OBS DFCT REN PLV&URT NOS
75310	CYSTIC KIDNEY DISEAS NOS	75321	CONGEN OBST URTROPLV JNC
75311	CONGENITAL RENAL CYST	75322	CONG OBST URETEROVES JNC
75312	POLYCYSTIC KIDNEY NOS	75323	CONGENITAL URETEROCELE
		75329	OBST DEF REN PLV&URT NEC
		7533	KIDNEY ANOMALY NEC

7534	URETERAL ANOMALY NEC		AND BLADDER NECK
7535	EXSTROPHY OF URINARY BLADDER	7538	CYSTOURETHRAL ANOM NEC
7536	ATRESIA AND STENOSIS OF URETHRA	7539	URINARY ANOMALY NOS

ICD-9-CM Immunocompromised States diagnosis codes:

042	HUMAN IMMUNODEFICIENCY VIRUS DISEASE	28801	CONGENITAL NEUTROPENIA OCT06-
1363	PNEUMOCYSTOSIS	28802	CYCLIC NEUTROPENIA OCT06-
1992	MALIGNANT NEOPLASM ASSOCIATED WITH TRANSPLANTED ORGAN OCT08-	28803	DRUG INDUCED NEUTROPENIA OCT06-
23873	HI GRDE MYELOYDYS SYN LES OCT06-	28809	NEUTROPENIA NEC OCT06-
23876	MYELOFI W MYELO METAPLAS OCT06-	2882	GENETIC ANOMALY LEUKOCYT OCT06-
23877	NEOPLASM OF UNCERTAIN BEHAVIOR, POST-TRANSPLANT LYMPHOPROLIFERATIVE DISORDER (PTLD) OCT08-	2884	HEMOPHAGOCYTIC SYNDROMES OCT06-
23879	NEOPLASM OF UNCERTAIN BEHAVIOR, OTHER LYMPHATIC AND HEMATOPOIETIC TISSUES OCT08-	28850	LEUKOCYTOPENIA NOS OCT06-
260	KWASHIORKOR OCT05-	28851	LYMPHOCYTOPENIA OCT06-
261	NUTRITIONAL MARASMUS OCT05-	28859	DECREASED WBC COUNT NEC OCT06-
262	OTH SEVERE MALNUTRITION OCT05-	28953	NEUTROPENIC SPLENOMEGALY OCT06-
27900	HYPOGAMMAGLOBULINEM NOS	28983	MYELOFIBROSIS OCT06-
27901	SELECTIVE IGA IMMUNODEF	40301	MAL HYP KIDNEY W CHR KID OCT06-
27902	SELECTIVE IGM IMMUNODEF	40311	BEN HYP KIDNEY W CHR KID OCT06-
27903	SELECTIVE IG DEFIC NEC	40391	HYP KIDNEY NOS W CHR KID OCT06-
27904	CONG HYPOGAMMAGLOBULINEM	40402	MAL HY HRT/KID W CHR KID OCT06-
27905	IMMUNODEFIC W HYPER-IGM	40403	MAL HYP HRT/KID W HF/KID OCT06-
27906	COMMON VARIABL IMMUNODEF	40412	BEN HYP HT/KID W CHR KID OCT06-
27909	HUMORAL IMMUNITY DEF NEC	40413	BEN HYP HT/KID W HF/KID OCT06-
27910	IMMUNDEF T-CELL DEF NOS	40492	HYP HT/KID NOS W CHR KID OCT06-
27911	DIGEORGES SYNDROME	40493	HYP HRT/KID NOS W HF/KID OCT06-
27912	WISKOTT-ALDRICH SYNDROME	5793	INTEST POSTOP NONABSORB OCT06-
27913	NEZELOFS SYNDROME	585	HRONIC KIDNEY DISEASE OCT05-
27919	DEFIC CELL IMMUNITY NOS	5855	CHRON KIDNEY DIS STAGE V OCT05-
2792	COMBINED IMMUNITY DEFICIENCY	5856	END STAGE RENAL DISEASE OCT06-
2793	UNSPECIFIED IMMUNITY DEFICIENCY	9968	COMPLICATIONS OF TRANSPLANTED ORGAN
2794	AUTOIMMUNE DISEASE, NOT ELSEWHERE CLASSIFIED	99680	COMP ORGAN TRANSPLNT NOS
27941	AUTOIMMUNE LYMPHOPROLIFERATIVE SYNDROME ALPS OCT09-	99681	COMPL KIDNEY TRANSPLANT
27949	AUTOIMMUNE DISEASE, NOT ELSEWHERE CLASSIFIED OCT09-	99682	COMPL LIVER TRANSPLANT
27950	GRAFT-VERSUS-HOST DISEASE UNSPECIFIED OCT08-	99683	COMPL HEART TRANSPLANT
27951	ACUTE GRAFT-VERSUS-HOST DISEASE OCT08-	99684	COMPL LUNG TRANSPLANT
27952	CHRONIC GRAFT-VERSUS-HOST DISEASE OCT08-	99685	COMPL MARROW TRANSPLANT
27953	ACUTE ON CHRONIC GRAFT-VERSUS-HOST DISEASE OCT08-	99686	COMPL PANCREAS TRANSPLNT
2798	OTHER SPECIFIED DISORDERS INVOLVING THE IMMUNE MECHANISM	99687	COMP INTESTINE TRANSPLNT
2799	UNSPECIFIED DISORDER OF IMMUNE MECHANISM	99689	COMP OTH ORGAN TRANSPLNT
28409	CONST APLASTC ANEMIA NEC OCT06-	V420	KIDNEY REPLACED BY TRANSPLANT
2841	PANCYTOPENIA OCT06-	V421	HEART REPLACED BY TRANSPLANT
2880	AGRANULOCYTOSIS OCT05-	V426	LUNG REPLACED BY TRANSPLANT
28800	NEUTROPENIA NOS OCT06-	V427	LIVER REPLACED BY TRANSPLANT
		V428	OTHER SPECIFIED ORGAN OR TISSUE
		V4281	BONE MARROW SPECIFIED BY TRANSPLANT
		V4282	PERIPHERAL STEM CELLS REPLACED BY TRANSPLANT
		V4283	PANCREAS REPLACED BY TRANSPLANT
		V4284	INTESTINES REPLACE BY TRANSPLANT
		V4289	OTHER REPLACED BY TRANSPLANT
		V451	RENAL DIALYSIS STATUS OCT06-
		V4511	RENAL DIALYSIS STATUS OCT08-
		V560	RENAL DIALYSIS ENCOUNTER OCT06-
		V561	FT/ADJ XTRCORP DIAL CATH OCT06-
		V562	FIT/ADJ PERIT DIAL CATH OCT06-

ICD-9-CM Immunocompromised States procedure codes:

0018	INFUS IMMUNOSUP ANTIBODY OCT05-	4105	ALLOGENEIC HEMATOPOIETIC STEM
335	LUNG TRANSPLANTATION		CELL TRANSPLANT W/O PURGING
3350	LUNG TRANSPLANTATION, NOS	4106	CORD BLOOD STEM CELL TRANSPLANT
3351	UNILATERAL LUNG TRANSPLANTATION	4107	AUTOLOGOUS HEMATOPOIETIC STEM
3352	BILATERAL LUNG TRANSPLANTATION		CELL TRANSPLANT W/ PURGING
336	COMBINED HEART-LUNG	4108	ALLOGENEIC HEMATOPOIETIC STEM
	TRANSPLANTATION		CELL TRANSPLANT W/ PURGING
375	HEART TRANSPLANTATION	4109	AUTOLOGOUS BONE MARROW
3751	HEART TRANSPLANTATION (OCT 03)		TRANSPLANT W/ PURGING
410	OPERATIONS ON BONE MARROW AND	5051	AUXILIARY LIVER TRANSPLANT
	SPLEEN	5059	LIVER TRANSPLANT, NEC
4100	BONE MARROW TRANSPLANT, NOS	5280	PANCREATIC TRANSPLANT, NOS
4101	AUTOLOGOUS BONE MARROW	5281	REIMPLANTATION OF PANCREATIC
	TRANSPLANT W/O PURGING		TISSUE
4102	ALLOGENEIC BONE MARROW	5282	HOMOTRANSPLANT OF PANCREAS
	TRANSPLANT W/ PURGING	5283	HETEROTRANSPLANT OF PANCREAS
4103	ALLOGENEIC BONE MARROW	5285	ALLOTRANSPLANTATION OF CELLS OF
	TRANSPLANT W/O PURGING		ISLETS OF LANGERHANS
4104	AUTOLOGOUS HEMATOPOIETIC STEM	5286	TRANSPLANTATION OF CELLS OF ISLETS
	CELL TRANSPLANT W/O PURGING		OF LANGERHANS, NOS
		5569	OTHER KIDNEY TRANSPLANTATION

Denominator

Population in Metro Area¹ or county, age 18 years and older.

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.