**PDI #18 Urinary Tract Infection Admission Rate**

**Area-Level Indicator**

### Numerator

All non-maternal discharges ages 3 months to 17 years with ICD-9-CM principal diagnosis code of urinary tract infection.

**ICD-9-CM Urinary Tract diagnosis codes:**

- 59010 AC PYELONEPHRITIS NOS
- 59011 AC PYELONEPHR W MED NECR
- 5902 RENAL/PERIRENAL ABSCESS
- 5903 PYEOLOURETERITIS CYSTICA
- 59080 PYELONEPHRITIS NOS
- 59081 PYELONEPHR IN OTH DIS
- 5909 INFECTION OF KIDNEY NOS
- 59100 ACUTE CYSTITIS
- 5919 CYSTITIS NOS
- 5990 URIN TRACT INFECTION NOS

Exclude cases:

- transfer from other institution
- with any diagnosis code of kidney/urinary tract disorder
- with any diagnosis of high- or intermediate-risk immunocompromised state
- with any procedure code for transplant
- with hepatic failure consisting of any diagnosis of cirrhosis plus a code for hepatic coma or hepatorenal syndrome in any diagnosis field
- neonates if age in days is missing

See **Pediatric Quality Indicators Appendices**:

- Appendix F – High-risk Immunocompromised States
- Appendix G – Intermediate-risk Immunocompromised States
- Appendix I – Definitions of Neonate, Newborn, Normal Newborn, and Outborn
- Appendix J – Admission Codes for Transfers

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

- 59370 VESCOURETRL RFLUX UNSPCF
- 59371 VESICOURETERAL REFLUX UNILTRL
- 59372 VESICOURETERAL REFLUX NPHT BLTRL
- 59373 VESICOURETERAL REFLUX NPHT W NPHT
- 7530 RENAL AGENESIS
- 75310 CYSTIC KIDNEY DISEAS NOS
- 75311 CONGENITAL RENAL CYST
- 75312 POLYCYSTIC KIDNEY NOS
- 75313 POLYCYST KID-AUTOSOM DOM
- 75314 POLYCYST KID-AUTOSOM REC
- 75315 RENAL DYSPLASIA
- 75316 MEDULLARY CYSTIC KIDNEY
- 75317 MEDULLARY SPONGE KIDNEY
- 75318 CYSTIC KIDNEY DISEASES NEC
- 75320 OBS DFCT REN PLV&URT NOS
- 75321 CONGEN OBST URTROPLV JNC
- 75322 CONG OBST URETEROVES JNC
- 75323 CONGENITAL URETEROCELE
75329 OBST DEF REN PLV&URT NEC 7536 ATRESIA AND STENOSIS OF URETHRA
7533 KIDNEY ANOMALY NEC 7538 CYSTOURETHRAL ANOM NEC
7534 URETERAL ANOMALY NEC 7539 URINARY ANOMALY NOS
7535 EXSTROPHY OF URNIARY BLADDER

ICD-9-CM Transplant procedure codes:

335 LUNG TRANSPLANT 4107 AUTO HEM STEM CT W PURG
3350 LUNG TRANSPLANT NOS 4108 ALLO HEM STEM CT W PURG
3351 UNILAT LUNG TRANSPLANT 4109 AUTO BONE MT W PURGING
3352 BILAT LUNG TRANSPLANT 5051 AUXILIARY LIVER TRANSPL
336 COMBINED HEART-LUNG 5059 LIVER TRANSPLANT NEC
TRANSPANTATION 5280 PANCREATIC TRANSPLANT, NOS
375 HEART TRANSPLANTATION 5281 REIMPLANTATION OF PANCREATIC
3751 HEART TRANSPLANTATION TISSUE
410 OPERATIONS ON BONE MAROW AND
SPLEEN 5282 REIMPLANTATION OF PANCREATIC
5283 HETEROTRANSPLANT OF PANCREAS
4100 BONE MARROW TRNSPLNT NOS 5285 ALLOTRANSPLANTATION OF CELLS
4101 AUTO BONE MT W/O PURG OF ISLETS OF LANGERHANS
4102 ALO BONE MARROW TRNSPLNT 5286 TRANSPLANTATION OF CELLS OF
4103 ALLOGRFT BONE MARROW NOS ISLETS OF LANGERHANS, NOS
4104 AUTO HEM STEM CT W/O PUR 5569 OTHER KIDNEY TRANSPLANTATION
4105 ALLO HEM STEM CT W/PUR 5569 OTHER KIDNEY TRANSPLANTATION
4106 CORD BLD STEM CELL TRANS

ICD-9-CM Cirrhosis diagnosis codes – Part I

5712 ALCOHOLIC CIRRHOSIS OF LIVER 5716 BILIARY CIRRHOSIS
5715 MENTION OF ALCOHOL

AND

ICD-9-CM Hepatic Coma / Hepatorenal Syndrome diagnosis codes – Part II

5722 HEPATIC COMA 5724 HEPATOURENAL SYNDROME

Denominator

Population in Metro Area\(^1\) or county ages 3 months to 17 years.

\(^1\) 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.