



PQI #11 Bacterial Pneumonia Admission Rate

Numerator

All discharges of age 18 years and older with ICD-9-CM principal diagnosis code for bacterial pneumonia.

Include ICD-9-CM diagnosis code:

481	PNEUMOCOCCAL PNEUMONIA	48242	METHICILLIN RESISTANT PNEUMONIA DUE TO STAPHYLOCOCCUS AUREUS OCT08-
4822	H.INFLUENZAE PNEUMONIA	4829	BACTERIAL PNEUMONIA NOS
48230	STREP PNEUMONIA UNSPEC	4830	MYCOPLASMA PNEUMONIA
48231	GRP A STREP PNEUMONIA	4831	CHLAMYDIA PNEUMONIA OCT96-
48232	GRP B STREP PNEUMONIA	4838	OTH SPEC ORG PNEUMONIA
48239	OTH STREP PNEUMONIA	485	BRONCOPNEUMONIA ORG NOS
48241	METHICILLIN SUSCEPTIBLE PNEUMONIA DUE TO STAPHYLOCOCCUS AUREUS OCT08-	486	PNEUMONIA, ORGANISM 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 sickle cell anemia or HB-S disease
- with any diagnosis or procedure code for immunocompromised state

Exclude ICD-9-CM Sickle Cell or HB-S diagnosis codes:

28241	THLASEMA HB-S W/O CRISIS OCT03-	28263	SICKLE-CELL/HB-C DISEASE
28242	THLASSEMIA HB-S W CRISIS OCT03-	28264	HB-S/HB-C DIS W CRISIS OCT03-
28260	SICKLE-CELL ANEMIA NOS	28268	HB-S DIS W/O CRISIS NEC OCT03-
28261	HB-S DISEASE W/O CRISIS	28269	SICKLE-CELL ANEMIA NEC
28262	HB-S DISEASE WITH CRISIS		

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	2884	HEMOPHAGOCYTIC SYNDROMES OCT06-
	LYMPHOPROLIFERATIVE DISORDER (PTLD) OCT08-	28850	LEUKOCYTOPENIA NOS OCT06-
23879	NEOPLASM OF UNCERTAIN BEHAVIOR, OTHER LYMPHATIC AND HEMATOPOIETIC TISSUES OCT08-	28851	LYMPHOCYTOPENIA OCT06-
260	KWASHIORKOR OCT05-	28859	DECREASED WBC COUNT NEC OCT06-
261	NUTRITIONAL MARASMUS OCT05-	28953	NEUTROPENIC SPLENOMEGALY OCT06-
262	OTH SEVERE MALNUTRITION OCT05-	28983	MYELOFIBROSIS OCT06-
27900	HYPOGAMMAGLOBULINEM NOS	40301	MAL HYP KIDNEY W CHR KID OCT06-
27901	SELECTIVE IGA IMMUNODEF	40311	BEN HYP KIDNEY W CHR KID OCT06-
27902	SELECTIVE IGM IMMUNODEF	40391	HYP KIDNEY NOS W CHR KID OCT06-
27903	SELECTIVE IG DEFIC NEC	40402	MAL HY HRT/KID W CHR KID OCT06-
27904	CONG HYPOGAMMAGLOBULINEM	40403	MAL HYP HRT/KID W HF/KID OCT06-
27905	IMMUNODEFIC W HYPER-IGM	40412	BEN HYP HT/KID W CHR KID OCT06-
27906	COMMON VARIABL IMMUNODEF	40413	BEN HYP HT/KID W HF/KID OCT06-
27909	HUMORAL IMMUNITY DEF NEC	40492	HYP HT/KID NOS W CHR KID OCT06-
27910	IMMUNDEF T-CELL DEF NOS	40493	HYP HRT/KID NOS W HF/KID OCT06-
27911	DIGEORGES SYNDROME	5793	INTEST POSTOP NONABSORB OCT06-
27912	WISKOTT-ALDRICH SYNDROME	585	HRONIC KIDNEY DISEASE OCT05-
27913	NEZELOFS SYNDROME	5855	CHRON KIDNEY DIS STAGE V OCT05-
27919	DEFIC CELL IMMUNITY NOS	5856	END STAGE RENAL DISEASE OCT06-
2792	COMBINED IMMUNITY DEFICIENCY	9968	COMPLICATIONS OF TRANSPLANTED ORGAN
2793	UNSPECIFIED IMMUNITY DEFICIENCY	99680	COMP ORGAN TRANSPLNT NOS
2794	AUTOIMMUNE DISEASE, NOT ELSEWHERE CLASSIFIED	99681	COMPL KIDNEY TRANSPLANT
27941	AUTOIMMUNE LYMPHOPROLIFERATIVE SYNDROME ALPS OCT09-	99682	COMPL LIVER TRANSPLANT
27949	AUTOIMMUNE DISEASE, NOT ELSEWHERE CLASSIFIED OCT09-	99683	COMPL HEART TRANSPLANT
27950	GRAFT-VERSUS-HOST DISEASE UNSPECIFIED OCT08-	99684	COMPL LUNG TRANSPLANT
27951	ACUTE GRAFT-VERSUS-HOST DISEASE OCT08-	99685	COMPL MARROW TRANSPLANT
27952	CHRONIC GRAFT-VERSUS-HOST DISEASE OCT08-	99686	COMPL PANCREAS TRANSPLNT
27953	ACUTE ON CHRONIC GRAFT-VERSUS-HOST DISEASE OCT08-	99687	COMP INTESTINE TRANSPLNT
2798	OTHER SPECIFIED DISORDERS INVOLVING THE IMMUNE MECHANISM	99689	COMP OTH ORGAN TRANSPLNT
2799	UNSPECIFIED DISORDER OF IMMUNE MECHANISM	V420	KIDNEY REPLACED BY TRANSPLANT
28409	CONST APLASTC ANEMIA NEC OCT06-	V421	HEART REPLACED BY TRANSPLANT
2841	PANCYTOPENIA OCT06-	V426	LUNG REPLACED BY TRANSPLANT
2880	AGRANULOCYTOSIS OCT05-	V427	LIVER REPLACED BY TRANSPLANT
28800	NEUTROPENIA NOS OCT06-	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-	336	COMBINED HEART-LUNG TRANSPLANTATION
335	LUNG TRANSPLANTATION	375	HEART TRANSPLANTATION
3350	LUNG TRANSPLANTATION, NOS	3751	HEART TRANSPLANTATION (OCT 03)
3351	UNILATERAL LUNG TRANSPLANTATION		
3352	BILATERAL LUNG TRANSPLANTATION		

410	OPERATIONS ON BONE MARROW AND SPLEEN	4108	ALLOGENEIC HEMATOPOIETIC STEM CELL TRANSPLANT W/ PURGING
4100	BONE MARROW TRANSPLANT, NOS	4109	AUTOLOGOUS BONE MARROW TRANSPLANT W/ PURGING
4101	AUTOLOGOUS BONE MARROW TRANSPLANT W/O PURGING	5051	AUXILIARY LIVER TRANSPLANT
4102	ALLOGENEIC BONE MARROW TRANSPLANT W/ PURGING	5059	LIVER TRANSPLANT, NEC
4103	ALLOGENEIC BONE MARROW TRANSPLANT W/O PURGING	5280	PANCREATIC TRANSPLANT, NOS
4104	AUTOLOGOUS HEMATOPOIETIC STEM CELL TRANSPLANT W/O PURGING	5281	REIMPLANTATION OF PANCREATIC TISSUE
4105	ALLOGENEIC HEMATOPOIETIC STEM CELL TRANSPLANT W/O PURGING	5282	HOMOTRANSPLANT OF PANCREAS
4106	CORD BLOOD STEM CELL TRANSPLANT	5283	HETEROTRANSPLANT OF PANCREAS
4107	AUTOLOGOUS HEMATOPOIETIC STEM CELL TRANSPLANT W/ PURGING	5285	ALLOTRANSPLANTATION OF CELLS OF ISLETS OF LANGERHANS
		5286	TRANSPLANTATION OF CELLS OF ISLETS OF LANGERHANS, NOS
		5569	OTHER KIDNEY TRANSPLANTATION

Denominator

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

Exclude ICD-9-CM Immunocompromised States diagnosis codes:

27941	AUTOIMMUNE LYMPHOPROLIFERATIVE SYNDROME ALPS OCT09-
27949	AUTOIMMUNE DISEASE, NOT ELSEWHERE CLASSIFIED OCT09-

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.