



PQI #8 Congestive Heart Failure (CHF) Admission Rate

Numerator

All non-maternal discharges of age 18 years and older with ICD-9-CM principal diagnosis code for CHF.

Include ICD-9-CM diagnosis codes:

39891	RHEUMATIC HEART FAILURE	42831	AC DIASTOLIC HRT FAILURE OCT02-
4280	CONGESTIVE HEART FAILURE	42832	CHR DIASTOLIC HRT FAIL OCT02-
4281	LEFT HEART FAILURE	42833	AC ON CHR DIAST HRT FAIL OCT02-
42820	SYSTOLIC HRT FAILURE NOS OCT02-	42840	SYST/DIAST HRT FAIL NOS OCT02-
42821	AC SYSTOLIC HRT FAILURE OCT02-	42841	AC SYST/DIASTOL HRT FAIL OCT02-
42822	CHR SYSTOLIC HRT FAILURE OCT02-	42842	CHR SYST/DIASTL HRT FAIL OCT02-
42823	AC ON CHR SYST HRT FAIL OCT02-	42843	AC/CHR SYST/DIA HRT FAIL OCT02-
42830	DIASTOLC HRT FAILURE NOS OCT02-	4289	HEART FAILURE NOS

Include ICD-9-CM diagnosis codes ONLY for discharges before 2002Q3 (ending September 30, 2002):

40201	MAL HYPERT HRT DIS W CHF	40411	BEN HYPER HRT/REN W CHF
40211	BENIGN HYP HRT DIS W CHF	40413	BEN HYP HRT/REN W CHF/RF
40291	HYPERTEN HEART DIS W CHF	40491	HYPER HRT/REN NOS W CHF
40401	MAL HYPER HRT/REN W CHF	40493	HYP HT/REN NOS W CHF/RF
40403	MAL HYP HRT/REN W CHF/RF		

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 cardiac procedure codes in any field

ICD-9-CM Cardiac procedure codes

0050	IMPL CRT PACEMAKER SYS OCT02-		OCT06-
0051	IMPL CRT DEFIBRILLAT OCT02-	0057	IMP/REP SUBCUE CARD DEV
0052	IMP/REP LEAD LF VEN SYS OCT02-		OCT06-
0053	IMP/REP CRT PACEMKR GEN OCT02-	0066	PTCA OCT06-
0054	IMP/REP CRT DEFIB GENAT OCT02-	3500	CLOSED VALVOTOMY NOS
0056	INS/REP IMPL SENSOR LEAD	3501	CLOSED AORTIC VALVOTOMY
		3502	CLOSED MITRAL VALVOTOMY

3503	CLOSED PULMON VALVOTOMY	3612	AORTOCOR BYPAS-2 COR ART
3504	CLOSED TRICUSP VALVOTOMY	3613	AORTOCOR BYPAS-3 COR ART
3510	OPEN VALVULOPLASTY NOS	3614	AORTCOR BYPAS-4+ COR ART
3511	OPN AORTIC VALVULOPLASTY	3615	1 INT MAM-COR ART BYPASS
3512	OPN MITRAL VALVULOPLASTY	3616	2 INT MAM-COR ART BYPASS
3513	OPN PULMON VALVULOPLASTY	3617	ABD-CORON ART BYPASS OCT96-
3514	OPN TRICUS VALVULOPLASTY	3619	HRT REVAS BYPS ANAS NEC
3520	REPLACE HEART VALVE NOS	362	ARTERIAL IMPLANT REVASC
3521	REPLACE AORT VALV-TISSUE	363	OTH HEART REVASCULAR
3522	REPLACE AORTIC VALVE NEC	3631	OPEN CHEST TRANS REVASC
3523	REPLACE MITR VALV-TISSUE	3632	OTH TRANSMYO REVASCULAR
3524	REPLACE MITRAL VALVE NEC	3633	ENDO TRANSMYO REVASCULAR
3525	REPLACE PULM VALV-TISSUE		OCT06-
3526	REPLACE PULMON VALVE NEC	3634	PERC TRANSMYO REVASCULAR
3527	REPLACE TRIC VALV-TISSUE		OCT06-
3528	REPLACE TRICUSP VALV NEC	3639	OTH HEART REVASULAR
3531	PAPILLARY MUSCLE OPS	3691	CORON VESS ANEURYSM REP
3532	CHORDAE TENDINEAE OPS	3699	HEART VESSLE OP NEC
3533	ANNULOPLASTY	3731	PERICARDIECTOMY
3534	INFUNDIBULECTOMY	3732	HEART ANEURYSM EXCISION
3535	TRABECUL CARNEAE CORD OP	3733	EXC/DEST HRT LESION OPEN
3539	TISS ADJ TO VALV OPS NEC	3734	EXC/DEST HRT LES OTHER
3541	ENLARGE EXISTING SEP DEF	3735	PARTIAL VENTRICULECTOMY
3542	CREATE SEPTAL DEFECT	3736	EXCISION OR DESTRUCTION OF
3550	PROSTH REP HRT SEPTA NOS		LEFT ATRIAL APPENDAGE (LAA)
3551	PROS REP ATRIAL DEF-OPN		OCT08-
3552	PROS REPAIR ATRIA DEF-CL	3741	IMPLANT PROSTH CARD SUPPORT
3553	PROST REPAIR VENTRIC DEF		DEV OCT06
3554	PROS REP ENDOCAR CUSHION	375	HEART TRANSPLANTATION (NOT
3555	PROS REP VENTRC DEF-CLOS		VALID AFTER OCT 03)
	OCT06-	3751	HEART TRANPLANTATION OCT03-
3560	GRFT REPAIR HRT SEPT NOS	3752	IMPLANT TOT REP HRT SYS OCT03-
3561	GRAFT REPAIR ATRIAL DEF	3753	REPL/REP THORAC UNIT HRT
3562	GRAFT REPAIR VENTRIC DEF		OCT03-
3563	GRFT REP ENDOCAR CUSHION	3754	REPL/REP OTH TOT HRT SYS
3570	HEART SEPTA REPAIR NOS		OCT03-
3571	ATRIA SEPTA DEF REP NEC	3755	REMOVAL OF INTERNAL
3572	VENTR SEPTA DEF REP NEC		BIVENTRICULAR HEART
3573	ENDOCAR CUSHION REP NEC		REPLACEMENT SYSTEM OCT08-
3581	TOT REPAIR TETRAL FALLOT	3760	IMPLANTATION OR INSERTION OF
3582	TOTAL REPAIR OF TAPVC		BIVENTRICULAR EXTERNAL HEART
3583	TOT REP TRUNCUS ARTERIOS		ASSIST SYSTEM OCT08-
3584	TOT COR TRANSPOS GRT VES	3761	IMPLANT OF PULSATION BALLOON
3591	INTERAT VEN RETRN TRANSP	3762	INSERTION OF NON-IMPLANTABLE
3592	CONDUIT RT VENT-PUL ART		HEART ASSIST SYSTEM
3593	CONDUIT LEFT VENTR-AORTA	3763	REPAIR OF HEART ASSIST SYSTEM
3594	CONDUIT ARTIUM-PULM ART	3764	REMOVAL OF HEART ASSIST
3595	HEART REPAIR REVISION		SYSTEM
3596	PERC HEART VALVULOPLASTY	3765	IMPLANT OF EXTERNAL HEART
3598	OTHER HEART SEPTA OPS		ASSIST SYSTEM
3599	OTHER HEART VALVE OPS	3766	INSERTION OF IMPLANTABLE
3601	PTCA-1 VESSEL W/O AGENT		HEART ASSIST SYSTEM
3602	PTCA-1 VESSEL WITH AGNT	3770	INT INSERT PACEMAK LEAD
3603	OPEN CORONRY ANGIOPLASTY	3771	INT INSERT LEAD IN VENT
3604	INTRCORONRY THROMB INFUS	3772	INT INSERT LEAD ATRI-VENT
3605	PTCA-MULTIPLE VESSEL	3773	INT INSER LEAD IN ATRIUM
3606	INSERT OF COR ART STENT OCT95-	3774	INT OR REPL LEAD EPICAR
3607	INS DRUG-ELUT CORONRY ST		REVISION OF LEAD
	OCT02-	3776	REPL TV ATRI-VENT LEAD
3609	REM OF COR ART OBSTR NEC	3777	REMOVAL OF LEAD W/O REPL
3610	AORTOCORONARY BYPASS NOS	3778	INSER TEAM PACEMAKER SYS
3611	AORTOCOR BYPAS-1 COR ART	3779	REVIS OR RELOCATE POCKET

3780	INT OR REPL PERM PACEMKR	3789	REVISE OR REMOVE PACEMAK
3781	INT INSERT 1-CHAM, NON	3794	IMPLT/REPL CARDDEFIB TOT
3782	INT INSERT 1-CHAM, RATE	3795	IMPLT CARDIODEFIB LEADS
3783	INT INSERT DUAL-CHAM DEV	3796	IMPLT CARDIODEFIB GENATR
3785	REPL PACEM W 1-CHAM, NON	3797	REPL CARDIODEFIB LEADS
3786	REPL PACEM 1-CHAM, RATE	3798	REPL CARDIODEFIB GENRATR
3787	REPL PACEM W DUAL-CHAM		

Denominator

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