

Bilateral Cardiac Catheterization Rate

Inpatient Quality Indicators #25

Technical Specifications

Provider-Level Indicator

Procedure Utilization Indicator

AHRQ Quality Indicators, Version 4.4, March 2012

Numerator

Number of simultaneous right and left heart catheterizations (procedures) among cases meeting the inclusion and exclusion rules for the denominator.

ICD-9-CM Right and left heart catheterization procedure code:

3723 RT/LEFT HEART CARD CATH

Exclude cases:

- with valid indications for right-sided catheterization
- MDC 14 (pregnancy, childbirth, and puerperium)
- with missing discharge disposition (DISP=missing), gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

ICD-9-CM Indications for right heart catheterization diagnosis codes^{1,2}:

3910	ACUTE RHEUMATIC PERICARD	40211	BENIGN HYP HT DIS W HF
3911	ACUTE RHEUMATIC ENDOCARD	40290	HYP HRT DIS NOS W/O HF
3912	AC RHEUMATIC MYOCARDITIS	40291	HYP HT DIS NOS W HT FAIL
3918	AC RHEUMAT HRT DIS NEC	40400	MAL HY HT/KD I-IV W/O HF
3919	AC RHEUMAT HRT DIS NOS	40401	MAL HYP HT/KD I-IV W HF
3920	RHEUM CHOREA W HRT INVOL	40402	MAL HY HT/KD ST V W/O HF
3929	RHEUMATIC CHOREA NOS	40403	MAL HYP HT/KD STG V W HF
393	CHR RHEUMATIC PERICARD	40410	BEN HY HT/KD I-IV W/O HF
3940	MITRAL STENOSIS	40411	BEN HYP HT/KD I-IV W HF
3941	RHEUMATIC MITRAL INSUFF	40412	BEN HY HT/KD ST V W/O HF
3942	MITRAL STENOSIS W INSUFF	40413	BEN HYP HT/KD STG V W HF
3949	MITRAL VALVE DIS NEC/NOS	40490	HY HT/KD NOS I-IV W/O HF
3960	MITRAL/AORTIC STENOSIS	40491	HYP HT/KD NOS I-IV W HF
3961	MITRAL STENOS/AORT INSUF	40492	HY HT/KD NOS ST V W/O HF
3962	MITRAL INSUF/AORT STENOS	40493	HYP HT/KD NOS ST V W HF
3963	MITRAL/AORTIC VAL INSUFF	4150	ACUTE COR PULMONALE
3968	MITR/AORTIC MULT INVOLV	4151	PULM EMBOLISM/INFARCT-
3969	MITRAL/AORTIC V DIS NOS	41511	IATROGEN PULM EMB/INFARC
3970	TRICUSPID VALVE DISEASE	41512	SEPTIC PULMONARY EMBOLISM
3971	RHEUM PULMON VALVE DIS	41513	SADDLE EMBOL PULMON ART
3979	RHEUM ENDOCARDITIS NOS	41519	PULM EMBOL/INFARCT NEC
3980	RHEUMATIC MYOCARDITIS	4160	PRIM PULM HYPERTENSION
39890	RHEUMATIC HEART DIS NOS	4161	KYPHOSCOLIOTIC HEART DIS
39891	RHEUMATIC HEART FAILURE	4168	CHR PULMON HEART DIS NEC
39899	RHEUMATIC HEART DIS NEC	4169	CHR PULMON HEART DIS NOS
40200	MAL HYP HT DIS W/O HF	4170	ARTERIOVEN FISTU PUL VES
40201	MAL HYPERT HRT DIS W HF	4171	PULMON ARTERY ANEURYSM
40210	BENIGN HYP HT DIS W/O HF	4178	PULMON CIRCULAT DIS NEC

**AHRQ QI, Inpatient Quality Indicators #25, Technical Specifications,
Bilateral Cardiac Catheterization Rate
www.qualityindicators.ahrq.gov**

4179	PULMON CIRCULAT DIS NOS	74519	TRANSPOS GREAT VESS NEC
4200	AC PERICARDIT IN OTH DIS	7452	TETRALOGY OF FALLOT
42090	ACUTE PERICARDITIS NOS	7453	COMMON VENTRICLE
42091	AC IDIOPATH PERICARDITIS	7454	VENTRICULAR SEPT DEFECT
42099	ACUTE PERICARDITIS NEC	7455	SECUNDUM ATRIAL SEPT DEF
4210	AC/SUBAC BACT ENDOCARD	74560	ENDOCARD CUSHION DEF NOS
4211	AC ENDOCARDIT IN OTH DIS	74561	OSTIUM PRIMUM DEFECT
4219	AC/SUBAC ENDOCARDIT NOS	74569	ENDOCARD CUSHION DEF NEC
4220	AC MYOCARDIT IN OTH DIS	7457	COR BILOCULARE
42290	ACUTE MYOCARDITIS NOS	7458	SEPTAL CLOSURE ANOM NEC
42291	IDIOPATHIC MYOCARDITIS	7459	SEPTAL CLOSURE ANOM NOS
42292	SEPTIC MYOCARDITIS	74600	PULMONARY VALVE ANOM NOS
42293	TOXIC MYOCARDITIS	74601	CONG PULMON VALV ATRESIA
42299	ACUTE MYOCARDITIS NEC	74602	CONG PULMON VALVE STENOS
4230	HEMOPERICARDIUM	74609	PULMONARY VALVE ANOM NEC
4231	ADHESIVE PERICARDITIS	7461	CONG TRICUSP ATRES/STEN
4232	CONSTRUCTIV PERICARDITIS	7462	EBSTEIN'S ANOMALY
4233	CARDIAC TAMPONADE	7463	CONG AORTA VALV STENOSIS
4238	PERICARDIAL DISEASE NEC	7464	CONG AORTA VALV INSUFFIC
4239	PERICARDIAL DISEASE NOS	7465	CONGEN MITRAL STENOSIS
4240	MITRAL VALVE DISORDER	7466	CONG MITRAL INSUFFICIENC
4241	AORTIC VALVE DISORDER	7467	HYOPLAS LEFT HEART SYND
4242	NONRHEUM TRICUSP VAL DIS	74681	CONG SUBAORTIC STENOSIS
4243	PULMONARY VALVE DISORDER	74682	COR TRIARIATUM
42490	ENDOCARDITIS NOS	74683	INFUNDIB PULMON STENOSIS
42491	ENDOCARDITIS IN OTH DIS	74684	OBSTRUCT HEART ANOM NEC
42499	ENDOCARDITIS NEC	74685	CORONARY ARTERY ANOMALY
4250	ENDOMYOCARDIAL FIBROSIS	74686	CONGENITAL HEART BLOCK
4251	<i>HYPERTROPHIC OBSTR CARDIOMYOP</i>	74687	MALPOSITION OF HEART
42511	HYPERTROPHIC OBSTR CARDIOMY	74689	CONG HEART ANOMALY NEC
42518	OTH HYPERTROPHIC CARDIOMY	7469	CONG HEART ANOMALY NOS
4252	OBSC AFRIC CARDIOMYOPATH	7470	PATENT DUCTUS ARTERIOSUS
4253	ENDOCARD FIBROELASTOSIS	74710	COARCTATION OF AORTA
4254	PRIM CARDIOMYOPATHY NEC	74711	INTERRUPT OF AORTIC ARCH
4255	ALCOHOLIC CARDIOMYOPATHY	74720	CONG ANOM OF AORTA NOS
4257	METABOLIC CARDIOMYOPATHY	74721	ANOMALIES OF AORTIC ARCH
4258	CARDIOMYOPATH IN OTH DIS	74722	AORTIC ATRESIA/STENOSIS
4259	SECOND CARDIOMYOPATH NOS	74729	CONG ANOM OF AORTA NEC
4280	CHF NOS	7473	<i>PULMONARY ARTERY ANOM</i>
4281	LEFT HEART FAILURE	74731	PULMON ART COARCT/ATRES
42820	SYSTOLIC HRT FAILURE NOS	74740	GREAT VEIN ANOMALY NOS
42821	AC SYSTOLIC HRT FAILURE	74741	TOT ANOM PULM VEN CONNec
42822	CHR SYSTOLIC HRT FAILURE	74742	PART ANOM PULM VEN CONN
42823	AC ON CHR SYST HRT FAIL	74749	GREAT VEIN ANOMALY NEC
42830	DIASTOLIC HRT FAILURE NOS	7475	UMBILICAL ARTERY ABSENCE
42831	AC DIASTOLIC HRT FAILURE	74760	UNSP PRPHERL VASC ANOMAL
42832	CHR DIASTOLIC HRT FAIL	74761	GSTRONTEST VESL ANOMALY
42833	AC ON CHR DIAST HRT FAIL	74762	RENAL VESSEL ANOMALY
42840	SYST/DIAST HRT FAIL NOS	74763	UPR LIMB VESSEL ANOMALY
42841	AC SYST/DIASTOL HRT FAIL	74764	LWR LIMB VESSEL ANOMALY
42842	CHR SYST/DIASTL HRT FAIL	74769	OTH SPCF PRPH VSCL ANOML
42843	AC/CHR SYST/DIA HRT FAIL	74781	CEREBROVASCULAR ANOMALY
4289	HEART FAILURE NOS	74782	SPINAL VESSEL ANOMALY
7450	COMMON TRUNCUS	74783	PERSISTENT FETAL CIRC (OCT02)
74510	COMPL TRANSPOS GREAT VES	74789	CIRCULATORY ANOMALY NEC
74511	DOUBLE OUTLET RT VENTRIC	7479	CIRCULATORY ANOMALY NOS
74512	CORRECT TRANSPOS GRT VES		

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

² Bolded codes are new to the current fiscal year.

