AHRQ QUALITY INDICATORS
Prevention Quality Indicators
Technical Specifications

# PQI #13 Angina without Procedure Admission Rate

## Numerator

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

*Include ICD-9-CM diagnosis codes:*

| | | | |
|---|---|---|---|
| 4111 | INTERMED CORONARY SYND | 4130 | ANGINA DECUBITUS |
| 41181 | CORONARY OCCLSN W/O MI | 4131 | PRINZMETAL ANGINA |
| 41189 | AC ISCHEMIC HRT DIS NEC | 4139 | ANGINA PECTORIS NEC/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 a code for cardiac procedure

*ICD-9-CM Cardiac procedure codes*

| | | | |
|---|---|---|---|
| 0050 | IMPL CRT PACEMAKER SYS OCT02- | 3502 | CLOSED MITRAL VALVOTOMY |
| 0051 | IMPL CRT DEFIBRILLAT OCT02- | 3503 | CLOSED PULMON VALVOTOMY |
| 0052 | IMP/REP LEAD LF VEN SYS OCT02- | 3504 | CLOSED TRICUSP VALVOTOMY |
| 0053 | IMP/REP CRT PACEMKR GEN OCT02- | 3510 | OPEN VALVULOPLASTY NOS |
| 0054 | IMP/REP CRT DEFIB GENAT OCT02- | 3511 | OPN AORTIC VALVULOPLASTY |
| 0056 | INS/REP IMPL SENSOR LEAD OCT06- | 3512 | OPN MITRAL VALVULOPLASTY |
| 0057 | IMP/REP SUBCUE CARD DEV OCT06- | 3513 | OPN PULMON VALVULOPLASTY |
| 0066 | PTCA OCT06- | 3514 | OPN TRICUS VALVULOPLASTY |
| 1751 | IMPLANTATION OF RECHARGEABLE CARDIAC CONTRACTILITY MODULATION [CCM], TOTAL SYSTEM OCT09- | 3520 | REPLACE HEART VALVE NOS |
| | | 3521 | REPLACE AORT VALV-TISSUE |
| | | 3522 | REPLACE AORTIC VALVE NEC |
| 1752 | IMPLANTATION OR REPLACEMENT OF CARDIAC CONTRACTILITY MODULATION [CCM] RECHARGEABLE PULSE GENERATOR ONLY OCT09- | 3523 | REPLACE MITR VALV-TISSUE |
| | | 3524 | REPLACE MITRAL VALVE NEC |
| | | 3525 | REPLACE PULM VALV-TISSUE |
| | | 3526 | REPLACE PULMON VALVE NEC |
| 3500 | CLOSED VALVOTOMY NOS | 3527 | REPLACE TRIC VALV-TISSUE |
| 3501 | CLOSED AORTIC VALVOTOMY | 3528 | REPLACE TRICUSP VALV NEC |

| | |
|---|---|
| 3531 | PAPILLARY MUSCLE OPS |
| 3532 | CHORDAE TENDINEAE OPS |
| 3533 | ANNULOPLASTY |
| 3534 | INFUNDIBULECTOMY |
| 3535 | TRABECUL CARNEAE CORD OP |
| 3539 | TISS ADJ TO VALV OPS NEC |
| 3541 | ENLARGE EXISTING SEP DEF |
| 3542 | CREATE SEPTAL DEFECT |
| 3550 | PROSTH REP HRT SEPTA NOS |
| 3551 | PROS REP ATRIAL DEF-OPN |
| 3552 | PROS REPAIR ATRIA DEF-CL |
| 3553 | PROST REPAIR VENTRIC DEF |
| 3554 | PROS REP ENDOCAR CUSHION |
| 3555 | PROS REP VENTRC DEF-CLOS OCT06- |
| 3560 | GRFT REPAIR HRT SEPT NOS |
| 3561 | GRAFT REPAIR ATRIAL DEF |
| 3562 | GRAFT REPAIR VENTRIC DEF |
| 3563 | GRFT REP ENDOCAR CUSHION |
| 3570 | HEART SEPTA REPAIR NOS |
| 3571 | ATRIA SEPTA DEF REP NEC |
| 3572 | VENTR SEPTA DEF REP NEC |
| 3573 | ENDOCAR CUSHION REP NEC |
| 3581 | TOT REPAIR TETRAL FALLOT |
| 3582 | TOTAL REPAIR OF TAPVC |
| 3583 | TOT REP TRUNCUS ARTERIOS |
| 3584 | TOT COR TRANSPOS GRT VES |
| 3591 | INTERAT VEN RETRN TRANSP |
| 3592 | CONDUIT RT VENT-PUL ART |
| 3593 | CONDUIT LEFT VENTR-AORTA |
| 3594 | CONDUIT ARTIUM-PULM ART |
| 3595 | HEART REPAIR REVISION |
| 3596 | PERC HEART VALVULOPLASTY |
| 3598 | OTHER HEART SEPTA OPS |
| 3599 | OTHER HEART VALVE OPS |
| 3601 | PTCA-1 VESSEL W/O AGENT |
| 3602 | PTCA-1 VESSEL WITH AGNT |
| 3603 | OPEN CORONRY ANGIOPLASTY |
| 3604 | INTRCORONRY THROMB INFUS |
| 3605 | PTCA-MULTIPLE VESSEL |
| 3606 | INSERT OF COR ART STENT OCT95- |
| 3607 | INS DRUG-ELUT CORONRY ST OCT02- |
| 3609 | REM OF COR ART OBSTR NEC |
| 3610 | AORTOCORONARY BYPASS NOS |
| 3611 | AORTOCOR BYPAS-1 COR ART |
| 3612 | AORTOCOR BYPAS-2 COR ART |
| 3613 | AORTOCOR BYPAS-3 COR ART |
| 3614 | AORTCOR BYPAS-4+ COR ART |
| 3615 | 1 INT MAM-COR ART BYPASS |
| 3616 | 2 INT MAM-COR ART BYPASS |
| 3617 | ABD-CORON ART BYPASS OCT96- |
| 3619 | HRT REVAS BYPS ANAS NEC |
| 362 | ARTERIAL IMPLANT REVASC |
| 363 | OTH HEART REVASCULAR |
| 3631 | OPEN CHEST TRANS REVASC |
| 3632 | OTH TRANSMYO REVASCULAR |
| 3633 | ENDO TRANSMYO REVASCULAR OCT06- |
| 3634 | PERC TRANSMYO REVASCULAR OCT06- |
| 3639 | OTH HEART REVASULAR |
| 3691 | CORON VESS ANEURYSM REP |
| 3699 | HEART VESSLE OP NEC |
| 3731 | PERICARDIECTOMY |
| 3732 | HEART ANEURYSM EXCISION |
| 3733 | EXC/DEST HRT LESION OPEN |
| 3734 | EXC/DEST HRT LES OTHER |
| 3735 | PARTIAL VENTRICULECTOMY |
| 3736 | EXCISION OR DESTRUCTION OF LEFT ATRIAL APPENDAGE (LAA) OCT08- |
| 3741 | IMPLANT PROSTH CARD SUPPORT DEV OCT06 |
| 375 | HEART TRANSPLANTATION (NOT VALID AFTER OCT 03) |
| 3751 | HEART TRANPLANTATION OCT03- |
| 3752 | IMPLANT TOT REP HRT SYS OCT03- |
| 3753 | REPL/REP THORAC UNIT HRT OCT03- |
| 3754 | REPL/REP OTH TOT HRT SYS OCT03- |
| 3755 | REMOVAL OF INTERNAL BIVENTRICULAR HEART REPLACEMENT SYSTEM OCT08- |
| 3760 | IMPLANTATION OR INSERTION OF BIVENTRICULAR EXTERNAL HEART ASSIST SYSTEM OCT08- |
| 3761 | IMPLANT OF PULSATION BALLOON |
| 3762 | INSERTION OF NON-IMPLANTABLE HEART ASSIST SYSTEM |
| 3763 | REPAIR OF HEART ASSIST SYSTEM |
| 3764 | REMOVAL OF HEART ASSIST SYSTEM |
| 3765 | IMPLANT OF EXTERNAL HEART ASSIST SYSTEM |
| 3766 | INSERTION OF IMPLANTABLE HEART ASSIST SYSTEM |
| 3770 | INT INSERT PACEMAK LEAD |
| 3771 | INT INSERT LEAD IN VENT |
| 3772 | INT INSERT LEAD ATRI-VENT |
| 3773 | INT INSER LEAD IN ATRIUM |
| 3774 | INT OR REPL LEAD EPICAR |
| 3775 | REVISION OF LEAD |
| 3776 | REPL TV ATRI-VENT LEAD |
| 3777 | REMOVAL OF LEAD W/O REPL |
| 3778 | INSER TEAM PACEMAKER SYS |
| 3779 | REVIS OR RELOCATE POCKET |
| 3780 | INT OR REPL PERM PACEMKR |
| 3781 | INT INSERT 1-CHAM, NON |
| 3782 | INT INSERT 1-CHAM, RATE |
| 3783 | INT INSERT DUAL-CHAM DEV |
| 3785 | REPL PACEM W 1-CHAM, NON |
| 3786 | REPL PACEM 1-CHAM, RATE |
| 3787 | REPL PACEM W DUAL-CHAM |
| 3789 | REVISE OR REMOVE PACEMAK |
| 3794 | IMPLT/REPL CARDDEFIB TOT |
| 3795 | IMPLT CARDIODEFIB LEADS |
| 3796 | IMPLT CARDIODEFIB GENATR |
| 3797 | REPL CARDIODEFIB LEADS |
| 3798 | REPL CARDIODEFIB GENRATR |

## Denominator

Population in Metro Area[1] 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.