

Heart Failure Admission Rate

Prevention Quality Indicators #8

Technical Specifications

Area-Level Indicator

AHRQ Quality Indicators, Version 4.4, March 2012

Numerator

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

ICD-9-CM Heart failure diagnosis codes:

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

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

40201	MAL HYPERT HRT DIS W HF	40411	BEN HYP HT/KD I-IV W HF
40211	BENIGN HYP HT DIS W HF	40413	BEN HYP HT/KD STG V W HF
40291	HYP HT DIS NOS W HT FAIL	40491	HYP HT/KD NOS I-IV W HF
40401	MAL HYP HT/KD I-IV W HF	40493	HYP HT/KD NOS ST V W HF
40403	MAL HYP HT/KD STG V W HF		

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- The PQI reference population includes discharges with MDC 14 and age less than 18 years; however, the DRG and MS-DRG grouper logic precludes assignment of MDC 14 for discharge records with a PQI defining principal diagnosis.

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
- with a cardiac procedure code
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing), principal diagnosis (DX1=missing), or county (PSTCO=missing)

See Prevention Quality Indicators Appendices:

- Appendix A – Admission Codes for Transfers
- Appendix B – Cardiac Procedure Codes

Denominator

Discharges in the numerator are assigned to the denominator based on the Metro Area¹ or county of the patient residence, not the Metro Area or county of the hospital where the discharge occurred.

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.