

# Congestive Heart Failure (CHF) Admission Rate

## Prevention Quality Indicators #8 Technical Specifications

### Area-Level Indicator

AHRQ Quality Indicators, Version 4.3, August 2011

### Numerator

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

#### 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

#### 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		

See *Prevention Quality Indicators Appendices*:

- Appendix A – Admission Codes for Transfers

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

See *Prevention Quality Indicators Appendices*:

- Appendix B – Cardiac Procedure Codes

### Denominator

Discharges in the numerator are assigned to the denominator based on the Metro Area<sup>1</sup> or county of the patient residence, not the Metro Area or county of the hospital where the discharge occurred.

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<sup>1</sup> 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.