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
- 4280 CONGESTIVE HEART FAILURE
- 4281 LEFT HEART FAILURE
- 42820 SYSTOLIC HRT FAILURE NOS (OCT02)
- 42821 AC SYSTOLIC HRT FAILURE (OCT02)
- 42822 CHR SYSTOLIC HRT FAILURE (OCT02)
- 42823 AC ON CHR SYST HRT FAIL (OCT02)
- 42830 DIASTOLIC HRT FAILURE NOS (OCT02)
- 42831 AC DIASTOLIC HRT FAILURE (OCT02)
- 42832 CHR DIASTOLIC HRT FAIL (OCT02)
- 42840 SYST/DIAST HRT FAIL NOS (OCT02)
- 42841 AC SYST/DIASTOL HRT FAIL (OCT02)
- 42842 CHR SYST/DIASTL HRT FAIL (OCT02)
- 42843 AC/CHR SYST/DIA HRT FAIL (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
- 40211 BENIGN HYP HRT DIS W CHF
- 40401 MAL HYPER HRT/REN W CHF
- 40403 MAL HYP HRT/REN W CHF/RF

See Prevention Quality Indicators Appendices:
- Appendix A – Admission Codes for Transfers

Excluding 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\(^1\) or county of the patient residence, not the Metro Area or county of the hospital where the discharge occurred.

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\(^1\) 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.