Heart Failure Mortality Rate Technical Specifications

Inpatient Quality Indicators #16 (IQI #16)
AHRQ Quality Indicators™, Version 5.0
March 2015
Provider-Level Indicator
Type of Score: Rate

Description

In-hospital deaths per 1,000 hospital discharges with heart failure as a principal diagnosis for patients ages 18 years and older. Excludes obstetric discharges and transfers to another hospital.

[NOTE: The software provides the rate per hospital discharge. However, common practice reports the measure as per 1,000 discharges. The user must multiply the rate obtained from the software by 1,000 to report in-hospital deaths per 1,000 hospital discharges.]

Numerator

Number of deaths (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.

Denominator

Discharges, for patients ages 18 years and older, with a principal ICD-9-CM diagnosis code for heart failure.

ICD-9-CM Heart failure diagnosis codes:

- 39891 RHEUMATIC HEART FAILURE
- 40201 MAL HYPERT HRT DIS W CHF
- 40211 BENIGN HYP HRT DIS W CHF
- 40291 HYPERTEN HEART DIS W CHF
- 40401 MAL HYPER HRT/REN W CHF
- 40403 MAL HYP HRT/REN W CHF&RF
- 40411 BEN HYPER HRT/REN W CHF
- 40413 BEN HYP HRT/REN W CHF&RF
- 40491 HYPER HRT/REN NOS W CHF
- 40493 HYP HT/REN NOS W CHF&RF
- 4280 CONGESTIVE HEART FAILURE
- 4281 LEFT HEART FAILURE
- 42820 SYSTOLIC HRT FAILURE NOS
- 42821 AC SYSTOLIC HRT FAILURE
- 42822 CHR SYSTOLIC HRT FAILURE
- 42823 AC ON CHR SYST HRT FAIL
- 42830 DIASTOLC HRT FAILURE NOS
- 42831 AC DIASTOLIC HRT FAILURE
- 42832 CHR DIASTOLIC HRT FAIL
- 42833 AC ON CHR DIAST HRT FAIL
- 42840 SYST/DIAST HRT FAIL NOS
- 42841 AC SYST/DIASTOL HRT FAIL
- 42842 CHR SYST/DIASTL HRT FAIL
- 42843 AC/CHR SYST/DIA HRT FAIL
- 4289 HEART FAILURE NOS
Exclude cases:
- transferring to another short-term hospital (DISP=2)
- 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)