

Heart Failure Mortality Rate

Technical Specifications

Inpatient Quality Indicators #16 (IQI #16)

AHRQ Quality Indicators™, Version 4.5, May 2013
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	42821	AC SYSTOLIC HRT FAILURE
40201	MAL HYPERT HRT DIS W CHF	42822	CHR SYSTOLIC HRT FAILURE
40211	BENIGN HYP HRT DIS W CHF	42823	AC ON CHR SYST HRT FAIL
40291	HYP HT DIS NOS W HT FAIL	4289	HEART FAILURE NOS
40401	MAL HYP HT/KD I-IV W HF	42830	DIASTOLIC HRT FAILURE NOS
40403	MAL HYP HT/KD STG V W HF	42831	AC DIASTOLIC HRT FAILURE
40411	BEN HYP HT/KD I-IV W HF	42832	CHR DIASTOLIC HRT FAIL
40413	BEN HYP HT/KD STG V W HF	42833	AC ON CHR DIAST HRT FAIL
40491	HYP HT/KD NOS I-IV W HF	42840	SYST/DIAST HRT FAIL NOS
40493	HYP HT/KD NOS ST V W HF	42841	AC SYST/DIASTOL HRT FAIL
4280	CHF NOS	42842	CHR SYST/DIASTL HRT FAIL
4281	LEFT HEART FAILURE	42843	AC/CHR SYST/DIA HRT FAIL
42820	SYSTOLIC HRT 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)