Heart Failure Mortality Rate
Technical Specifications

Inpatient Quality Indicators #16 (IQI #16)
AHRQ Quality Indicators^{TM}, 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	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	HYPERTEN HEART DIS W CHF	42830	DIASTOLC HRT FAILURE NOS
40401	MAL HYPER HRT/REN W CHF	42831	AC DIASTOLIC HRT FAILURE
40403	MAL HYP HRT/REN W CHF&RF	42832	CHR DIASTOLIC HRT FAIL
40411	BEN HYPER HRT/REN W CHF	42833	AC ON CHR DIAST HRT FAIL
40413	BEN HYP HRT/REN W CHF&RF	42840	SYST/DIAST HRT FAIL NOS
40491	HYPER HRT/REN NOS W CHF	42841	AC SYST/DIASTOL HRT FAIL
40493	HYP HT/REN NOS W CHF&RF	42842	CHR SYST/DIASTL HRT FAIL
4280	CONGESTIVE HEART FAILURE	42843	AC/CHR SYST/DIA HRT FAIL
4281	LEFT HEART FAILURE	4289	HEART FAILURE NOS
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)