



AHRQ Quality Indicators™ (AHRQ QI™) ICD-10-CM/PCS Specification Version 6.0

## **Inpatient Quality Indicator 16 (IQI 16) Heart Failure Mortality Rate**

**July 2016**

**Provider-Level Indicator**

**Type of Score: Rate**

**Prepared by:**

Agency for Healthcare Research and Quality

U.S. Department of Health and Human Services

[www.qualityindicators.ahrq.gov](http://www.qualityindicators.ahrq.gov)

**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-10-CM diagnosis code for heart failure.

***Heart failure diagnosis codes: (MRTCHFD)***

I0981	Rheumatic heart failure	I5030	Unspecified diastolic (congestive) heart failure
I110	Hypertensive heart disease with heart failure	I5031	Acute diastolic (congestive) heart failure
I130	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	I5032	Chronic diastolic (congestive) heart failure
I132	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	I5033	Acute on chronic diastolic (congestive) heart failure
I501	Left ventricular failure	I5040	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure
I5020	Unspecified systolic (congestive) heart failure	I5041	Acute combined systolic (congestive) and diastolic (congestive) heart failure
I5021	Acute systolic (congestive) heart failure	I5042	Chronic combined systolic (congestive) and diastolic (congestive) heart failure
I5022	Chronic systolic (congestive) heart failure	I5043	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure
I5023	Acute on chronic systolic (congestive) heart failure	I509	Heart failure, unspecified

## **DENOMINATOR EXCLUSIONS**

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)