



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

July 2017

Provider-Level Indicator

Type of Score: Rate

Prepared by:

Agency for Healthcare Research and Quality

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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 cases in hospice care at admission, 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 (*MRTCHFD* *).

DENOMINATOR EXCLUSIONS

Exclude cases:

- Transferring to another short-term hospital (DISP=2)
- Any procedure code for heart transplant (*HEARTTRP* *)
- Cases in hospice care at admission (PointOfOriginUB04=F)
- 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)

* See below for code list

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

Heart transplant procedure codes: (HEARTTRP)

02HA0QZ	Insertion of Implantable Heart Assist System into Heart, Open Approach	02HA4RS	Insertion of Biventricular External Heart Assist System into Heart, Percutaneous Endoscopic Approach
02HA0RS	Insertion of Biventricular External Heart Assist System into Heart, Open Approach	02HA4RZ	Insertion of External Heart Assist System into Heart, Percutaneous Endoscopic Approach
02HA0RZ	Insertion of External Heart Assist System into Heart, Open Approach	02YA0Z0	Transplantation of Heart, Allogeneic, Open Approach
02HA3QZ	Insertion of Implantable Heart Assist System into Heart, Percutaneous Approach	02YA0Z1	Transplantation of Heart, Syngeneic, Open Approach
02HA3RS	Insertion of Biventricular External Heart Assist System into Heart, Percutaneous Approach	02YA0Z2	Transplantation of Heart, Zooplastic, Open Approach
02HA3RZ	Insertion of External Heart Assist System into Heart, Percutaneous Approach	5A02116	Assistance with Cardiac Output using Other Pump, Intermittent
02HA4QZ	Insertion of Implantable Heart Assist System into Heart, Percutaneous Endoscopic Approach	5A02216	Assistance with Cardiac Output using Other Pump, Continuous