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:

Start Table

<table>
<thead>
<tr>
<th>Code</th>
<th>Diagnosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>39891</td>
<td>RHEUMATIC HEART FAILURE</td>
</tr>
<tr>
<td>40201</td>
<td>MAL HYPERT HRT DIS W CHF</td>
</tr>
<tr>
<td>40211</td>
<td>BENIGN HYP HRT DIS W CHF</td>
</tr>
<tr>
<td>40291</td>
<td>HYP HT DIS NOS W HT FAIL</td>
</tr>
<tr>
<td>40401</td>
<td>MAL HYP HT/KD I-IV W HF</td>
</tr>
<tr>
<td>40403</td>
<td>MAL HYP HT/KD STG V W HF</td>
</tr>
<tr>
<td>40411</td>
<td>BEN HYP HT/KD I-IV W HF</td>
</tr>
<tr>
<td>40413</td>
<td>BEN HYP HT/KD STG V W HF</td>
</tr>
<tr>
<td>40491</td>
<td>HYP HT/KD NOS I-IV W HF</td>
</tr>
<tr>
<td>40493</td>
<td>HYP HT/KD NOS ST V W HF</td>
</tr>
<tr>
<td>4280</td>
<td>CHF NOS</td>
</tr>
<tr>
<td>4281</td>
<td>LEFT HEART FAILURE</td>
</tr>
<tr>
<td>42820</td>
<td>SYSTOLIC HRT FAILURE NOS</td>
</tr>
</tbody>
</table>

End Table

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)