

Abdominal Aortic Aneurysm (AAA) Repair Mortality Rate Technical Specifications

Inpatient Quality Indicators #11 (IQI #11)

AHRQ Quality Indicators™, Version 4.5, May 2013

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Provider-Level Indicator

Type of Score: Rate

Description

In-hospital deaths per 1,000 discharges with abdominal aortic aneurysm (AAA) repair, ages 18 years and older. Includes metrics for discharges grouped by type of diagnosis and procedure. 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

Overall:

Number of deaths (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.

[NOTE: Overall numerator may not match the sum of the strata numerators because the strata may not be mutually exclusive.]

Stratum A:

Number of deaths (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.

Stratum B:

Number of deaths (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.

Stratum C:

Number of deaths (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.

Stratum D:

Number of deaths (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.

Denominator

Overall:

Discharges, for patients ages 18 years and older, with the following

- any-listed ICD-9-CM diagnosis codes for ruptured AAA and any-listed ICD-9-CM procedure code for open AAA repair; or
- any-listed ICD-9-CM diagnosis codes for un-ruptured AAA and any-listed ICD-9-CM procedure codes for open AAA repair; or
- any-listed ICD-9-CM diagnosis codes for ruptured AAA and any-listed ICD-9-CM procedure codes for endovascular AAA repair; or
- any-listed ICD-9-CM diagnosis codes for un-ruptured AAA and any-listed ICD-9-CM procedure codes for endovascular AAA repair

ICD-9-CM Un-ruptured AAA diagnosis codes:

4414 ABDOM AORTIC ANEURYSM

ICD-9-CM Ruptured AAA diagnosis codes:

4413 RUPT ABD AORTIC ANEURYSM

ICD-9-CM Open AAA repair procedure codes:

3834 AORTA RESECTION & ANAST

3864 EXCISION OF AORTA

3844 RESECT ABDOM AORTA W REPL

ICD-9-CM Endovascular AAA repair procedure codes:

3971 ENDO IMPL GRFT ABD AORTA

3977 TEMP ENDOVSC OCCLS VESSEL

3978 ENDOVAS IMPLN GRFT AORTA

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)

[NOTE: Overall denominator may not match the sum of the strata denominators because the strata may not be mutually exclusive.]

Stratum A:

Discharges, for patients ages 18 years and older, with any-listed ICD-9-CM diagnosis code for ruptured AAA (see above) and any-listed ICD-9-CM procedure code for open AAA repair (see above).

Stratum B:

Discharges, for patients ages 18 years and older, with any-listed ICD-9-CM diagnosis code for un-ruptured AAA (see above) and any-listed ICD-9-CM procedure code for open AAA repair (see above).

Stratum C:

Discharges, for patients ages 18 years and older, with any-listed ICD-9-CM diagnosis code for ruptured AAA (see above) and any-listed ICD-9-CM procedure code for endovascular AAA repair (see above).

Stratum D:

Discharges, for patients ages 18 years and older, with any-listed ICD-9-CM diagnosis code for un-ruptured AAA (see above) and any-listed ICD-9-CM procedure code for endovascular AAA repair (see above).