Abdominal Aortic Aneurysm (AAA) Repair Volume
Technical Specifications

Inpatient Quality Indicators #4 (IQI #4)
AHRQ Quality Indicators^TM, Version 4.5, May 2013
(Revised, August 2013)
Provider-Level Indicator
Type of Score: Volume

Description

The number of hospital discharges with a procedure for abdominal aortic aneurysm (AAA) repair for patients 18 years and older or obstetric patients. Includes metrics for the number of discharges grouped by diagnosis and procedure type.

Numerator

Overall:

Discharges, for patients ages 18 years and older or MDC 14 (pregnancy, childbirth, and puerperium), with either
- 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 code:
4414   ABDOM AORTIC ANEURYSM

ICD-9-CM Ruptured AAA diagnosis code:
4413   RUPT ABD AORTIC ANEURYSM

ICD-9-CM Open AAA repair procedure codes:
3834   AORTA RESECTION & ANAST   3844   RESECT ABDM AORTA W REPL
3864   EXCISION OF AORTA

ICD-9-CM Endovascular AAA repair procedure codes:
3971   ENDO IMPL GRFT ABD AORTA   3978   ENDOVAS IMPLN GRFT AORTA
3977   TEMP ENDOVSC OCCLS VESSEL

Exclude cases:
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

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

Stratum A:

Discharges, for patients ages 18 years and older or MDC 14 (pregnancy, childbirth, and puerperium), with any-listed ICD-9-CM diagnosis codes for ruptured AAA (see above) and any-listed ICD-9-CM procedure code for open AAA repair (see above).

Exclude cases:
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

Stratum B:

Discharges, for patients ages 18 years and older or MDC 14 (pregnancy, childbirth, and puerperium), with any-listed ICD-9-CM diagnosis codes for un-ruptured AAA (see above) and any-listed ICD-9-CM procedure codes for open AAA repair (see above).

Exclude cases:
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

Stratum C:

Discharges, for patients ages 18 years and older or MDC 14 (pregnancy, childbirth, and puerperium), with any-listed ICD-9-CM diagnosis codes for ruptured AAA (see above) and any-listed ICD-9-CM procedure codes for endovascular AAA repair (see above).

Exclude cases:
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

Stratum D:

Discharges, for patients ages 18 years and older or MDC 14 (pregnancy, childbirth, and puerperium), with any-listed ICD-9-CM diagnosis codes for un-ruptured AAA (see above) and any-listed ICD-9-CM procedure codes for endovascular AAA repair (see above).

Exclude cases:
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

Denominator

Overall:

Not applicable.

Stratum A:

Not applicable.

Stratum B:

Not applicable.

Stratum C:

Not applicable.

Stratum D:

Not applicable.