

Quality ID #347 (NQF 1534): Rate of Endovascular Aneurysm Repair (EVAR) of Small or Moderate Non-Ruptured Infrarenal Abdominal Aortic Aneurysms (AAA) Who Are Discharged Alive
– National Quality Strategy Domain: Patient Safety
– Meaningful Measure Area: Appropriate Use of Healthcare

2019 COLLECTION TYPE:
MIPS CLINICAL QUALITY MEASURES (CQMS)

MEASURE TYPE:
Outcome – High Priority

DESCRIPTION:
Percent of patients undergoing endovascular repair of small or moderate non-ruptured infrarenal abdominal aortic aneurysms (AAA) who are discharged alive

INSTRUCTIONS:
This measure is to be submitted **each time** an EVAR is performed during the performance period. It is anticipated that Merit-based Incentive Payment System (MIPS) eligible clinicians who provide services of EVAR, as described in the measure, based on the services provided and the measure-specific denominator coding will submit this measure. This measure may be submitted by MIPS eligible clinicians who perform the quality actions described in the measure based on the services provided and the measure-specific denominator coding.

Measure Submission Type:
Measure data may be submitted by individual MIPS eligible clinicians, groups, or third party intermediaries. The listed denominator criteria are used to identify the intended patient population. The numerator options included in this specification are used to submit the quality actions as allowed by the measure. The quality-data codes listed do not need to be submitted by MIPS eligible clinicians, groups, or third party intermediaries that utilize this modality for submissions; however, these codes may be submitted for those third party intermediaries that utilize Medicare Part B claims data. For more information regarding Application Programming Interface (API), please refer to the Quality Payment Program (QPP) website.

DENOMINATOR:
Patients aged 18 and older with infrarenal non-ruptured endovascular AAA repairs

Denominator Criteria (Eligible Cases):

Patients aged 18 and older

AND

Diagnosis for infrarenal non-ruptured AAA (ICD-10-CM): I71.4

AND

Patient procedure during performance period (CPT): 34701, 34703, 34705

AND NOT

DENOMINATOR EXCLUSIONS:

For women:

Aortic aneurysm 5.5 - 5.9 cm maximum diameter on centerline formatted CT or minor diameter on axial formatted CT: 9003F

OR

Aortic aneurysm 6.0 cm or greater maximum diameter on centerline formatted CT or minor diameter on axial formatted CT: 9004F

OR

For men:

Aortic aneurysm 6.0 cm or greater maximum diameter on centerline formatted CT or minor diameter on axial formatted CT: 9004F

NUMERATOR:

Patients who are discharged alive following endovascular AAA repair

Numerator Options:

Performance Met:

Documentation of patient discharged alive following endovascular AAA repair (**G9263**)

OR

Performance Not Met:

Documentation of patient death in the hospital following endovascular AAA repair (**G9262**)

RATIONALE:

Elective repair of a small or moderate sized AAA is a prophylactic procedure and the mortality/morbidity of the procedure must be contrasted with the risk of rupture over time. Surgeons should select patients for intervention who have a reasonable life expectancy and who do not have a high surgical risk.

CLINICAL RECOMMENDATION STATEMENTS:

The care of patients with an abdominal aortic aneurysm: The Society for Vascular Surgery practice guidelines. Chaikof et al, J Vasc Surg, 50:4, supplement, 2009.

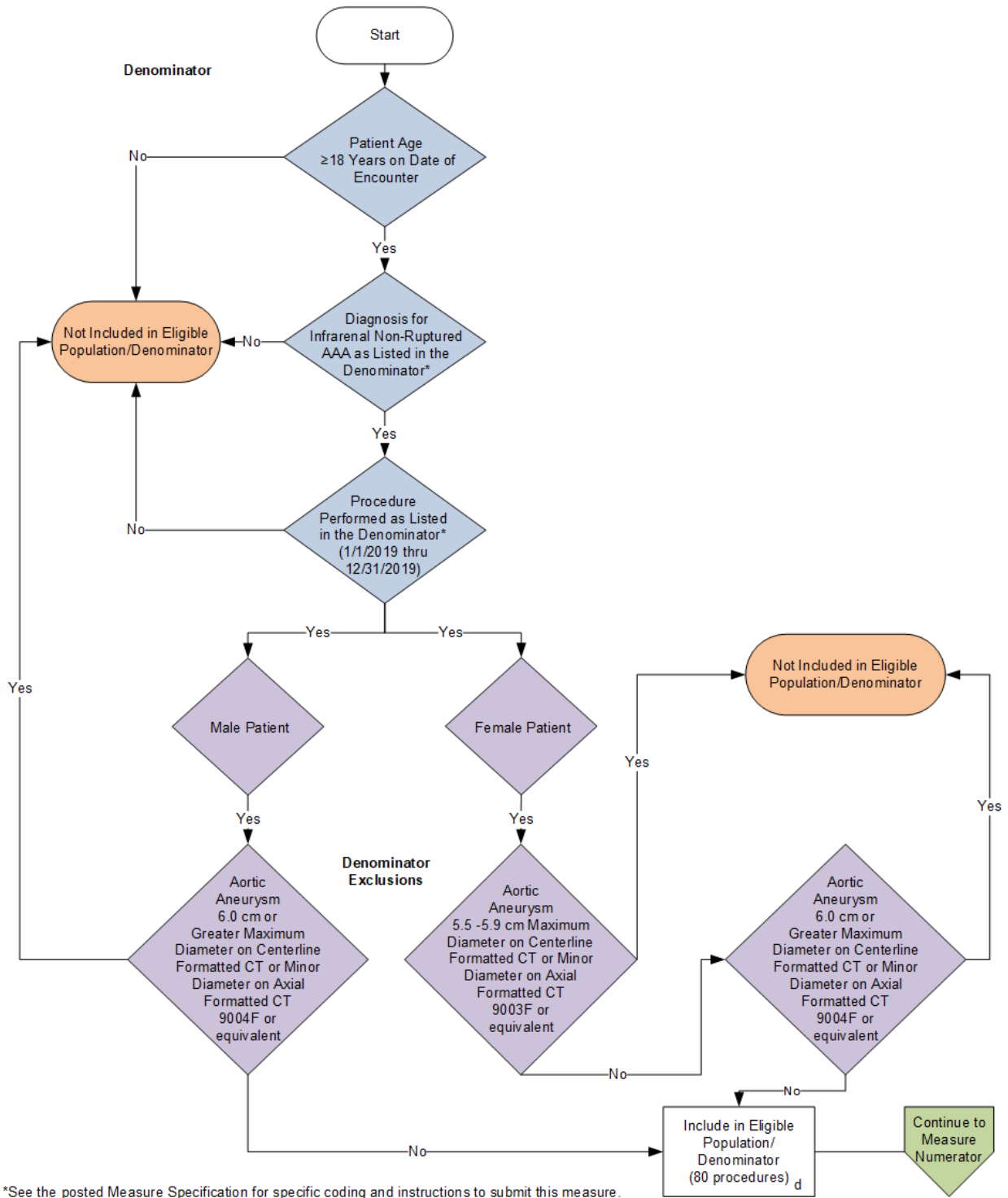
Elective repair is recommended for patients that present with a fusiform AAA ≥ 5.5 cm in maximum diameter, in the absence of significant co-morbidities.

Surveillance is recommended for most patients with a fusiform AAA in the range of 4.0 cm to 5.4 cm in maximum diameter.

COPYRIGHT:

This measure is owned by the Society for Vascular Surgery - SVS.

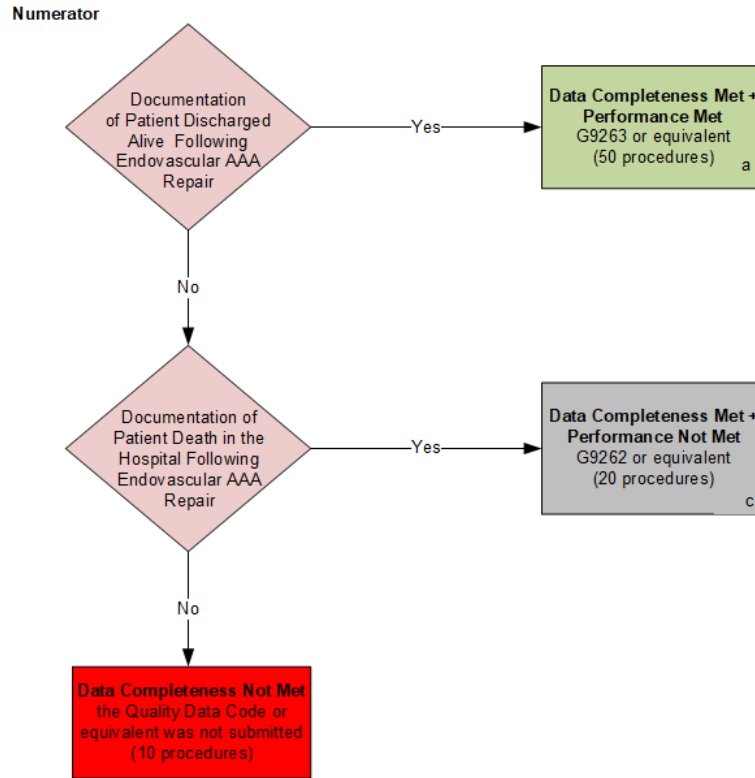
**2019 Clinical Quality Measure Flow for Quality ID #347 (NQF 1534):
Rate of Endovascular Aneurysm Repair (EVAR) of Small or Moderate Non-Ruptured Infrarenal Abdominal Aortic Aneurysms (AAA) Who Are Discharged Alive**



*See the posted Measure Specification for specific coding and instructions to submit this measure.
NOTE: Submission Frequency – Procedure

CPT only copyright 2018 American Medical Association. All rights reserved. The measure diagrams were developed by CMS as a supplemental resource to be used in conjunction with the measure specifications. They should not be used alone or as a substitution for the measure specification.

**2019 Clinical Quality Measure Flow for Quality ID #347 (NQF 1534):
Rate of Endovascular Aneurysm Repair (EVAR) of Small or Moderate Non-Ruptured Infrarenal
Abdominal Aortic Aneurysms (AAA) Who Are Discharged Alive**



SAMPLE CALCULATIONS:

Data Completeness =

$$\frac{\text{Performance Met (a=50 procedures)} + \text{Performance Not Met (c=20 procedures)}}{\text{Eligible Population / Denominator (d=80 procedures)}} = \frac{70 \text{ procedures}}{80 \text{ procedures}} = 87.50\%$$

Performance Rate =

$$\frac{\text{Performance Met (a =50 procedures)}}{\text{Data Completeness Numerator (70 procedures)}} = \frac{50 \text{ procedures}}{70 \text{ procedures}} = 71.43\%$$

*See the posted Measure Specification for specific coding and instructions to submit this measure.
 NOTE: Submission Frequency – Procedure

CPT only copyright 2018 American Medical Association. All rights reserved.
 The measure diagrams were developed by CMS as a supplemental resource to be used in conjunction with the measure specifications. They should not be used alone or as a substitution for the measure specification.

**2019 Clinical Quality Measure Flow Narrative for Quality ID #347 (NQF 1534):
Rate of Endovascular Aneurysm Repair (EVAR) of Small or Moderate Non-Ruptured Infrarenal
Abdominal Aortic Aneurysms (AAA) Who Are Discharged Alive**

Please refer to the specific section of the specification to identify the denominator and numerator information for use in submitting this Individual Specification.

1. Start with Denominator
2. Check Patient Age:
 - a. If Patient Age is greater than or equal to 18 Years on Date of Encounter equals No, do not include in Eligible Population. Stop Processing.
 - b. If Patient Age is greater than or equal to 18 Years on Date of Encounter equals Yes, proceed to check Diagnosis for Infrarenal Non-Ruptured AAA.
3. Check Diagnosis for Infrarenal Non-Ruptured AAA:
 - a. If Diagnosis for Infrarenal Non-Ruptured AAA equals No, do not include in Eligible Population Stop Processing.
 - b. If Diagnosis for Infrarenal Non-Ruptured AAA equals Yes, proceed to check Procedure Performed.
4. Check Procedure Performed:
 - a. If Procedure Performed as Listed in the Denominator equals No, do not include in Eligible Population. Stop Processing.
 - b. If Procedure Performed as Listed in the Denominator equals Yes, proceed to check Gender of Patient.
5. Check Gender of Patient:
 - a. If Patient equals Female, proceed to check Aortic Aneurysm 5.5 through 5.9 cm Maximum Diameter on Centerline Formatted CT or Minor Diameter on Axial Formatted CT.
 - b. If Patient equals Male, proceed to check Aortic Aneurysm 6.0 cm or Greater Maximum Diameter on Centerline Formatted CT or Minor Diameter on Axial Formatted CT.
6. Check Aortic Aneurysm 5.5 through 5.9 cm Maximum Diameter on Centerline Formatted CT or Minor Diameter on Axial Formatted CT:
 - a. If Aortic Aneurysm 5.5 through 5.9 cm Maximum Diameter on Centerline Formatted CT or Minor Diameter on Axial Formatted CT equals No, proceed to check Aortic Aneurysm 6.0 cm or Greater Maximum Diameter on Centerline Formatted CT or Minor Diameter on Axial Formatted CT.
 - b. If Aortic Aneurysm 5.5 through 5.9 cm Maximum Diameter on Centerline Formatted CT or Minor Diameter on Axial Formatted CT equals Yes, do not include in Eligible Population. Stop Processing.
7. Check Aortic Aneurysm 6.0 cm or Greater Maximum Diameter on Centerline Formatted CT or Minor Diameter on Axial Formatted CT:
 - a. If Aortic Aneurysm 6.0 cm or Greater Maximum Diameter on Centerline Formatted CT or Minor Diameter on Axial Formatted CT equals No, include in Eligible Population.

- b. If Aortic Aneurysm 6.0 cm or Greater Maximum Diameter on Centerline Formatted CT or Minor Diameter on Axial Formatted CT equals Yes, do not include in Eligible Population. Stop Processing.
8. Denominator Population
- a. Denominator Population is all Eligible Procedures in the Denominator. Denominator is represented as Denominator in the Sample Calculation listed at the end of this document. Letter d equals 80 procedures in the Sample Calculation.
9. Start Numerator
10. Check Documentation of Patient Discharged Alive Following Endovascular AAA Repair:
- a. If Documentation of Patient Discharged Alive Following Endovascular AAA Repair equals Yes, include in Data Completeness Met and Performance Met.
 - b. Data Completeness Met and Performance Met letter is represented in the Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter a equals 50 procedures in the Sample Calculation.
 - c. If Documentation of Patient Discharged Alive Following Endovascular AAA Repair equals No, proceed to check Documentation of Patient Death in the Hospital Following Endovascular AAA Repair.
11. Check Documentation of Patient Death in the Hospital Following Endovascular AAA Repair:
- a. If Documentation of Patient Death in the Hospital Following Endovascular AAA Repair equals Yes, include in Data Completeness Met and Performance Not Met.
 - b. Data Completeness Met and Performance Not Met is represented in the Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter c equals 20 procedures in the Sample Calculation.
 - c. If Documentation of Patient Death in the Hospital Following Endovascular AAA Repair equals No, proceed to check Data Completeness Not Met.
12. Check Data Completeness Not Met:
- a. If Data Completeness Not Met, the Quality Data Code or equivalent was not submitted. 10 procedures have been subtracted from the Data Completeness Numerator in the Sample Calculation.

SAMPLE CALCULATIONS:

Data Completeness=

$$\frac{\text{Performance Met (a=50 procedures) + Performance Not Met (c=20 procedures)}}{\text{Eligible Population / Denominator (d=80 procedures)}} = \frac{70 \text{ procedures}}{80 \text{ procedures}} = 87.50\%$$

Performance Rate=

$$\frac{\text{Performance Met (a=50 procedures)}}{\text{Data Completeness Numerator (70 procedures)}} = \frac{50 \text{ procedures}}{70 \text{ procedures}} = 71.43\%$$