Measure #259: Rate of Endovascular Aneurysm Repair (EVAR) of Small or Moderate Non-Ruptured Abdominal Aortic Aneurysms (AAA) without Major Complications (Discharged to Home by Post Operative Day #2) – National Quality Strategy Domain: Patient Safety

2016 PQRS OPTIONS FOR INDIVIDUAL MEASURES:  
REGISTRY ONLY

DESCRIPTION:  
Percent of patients undergoing endovascular repair of small or moderate non-ruptured abdominal aortic aneurysms (AAA) that do not experience a major complication (discharged to home no later than post-operative day #2)

INSTRUCTIONS:  
This measure is to be reported each time an open repair AAA is performed during the reporting period. It is anticipated that clinicians who provide services of AAA repair, as described in the measure, based on the services provided and the measure-specific denominator coding will report this measure. This measure may be reported by clinicians who perform the quality actions described in the measure based on the services provided and the measure-specific denominator coding.

Measure Reporting via Registry:  
CPT codes, CPT Category II codes and patient demographics are used to identify patients who are included in the measure’s denominator. The listed numerator options are used to report the numerator of the measure.

The quality-data codes listed do not need to be submitted for registry-based submissions; however, these codes may be submitted for those registries that utilize claims data. There are no allowable performance exclusions for this measure.

DENOMINATOR:  
All endovascular repairs of non-ruptured, infrarenal abdominal aortic aneurysms

Denominator Criteria (Eligible Cases):  
Patients aged ≥ 18 years on date of encounter  
AND  
Patient encounter during the reporting period (CPT): 34800, 34802, 34803, 34804, 34805  
AND NOT  
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 discharged to home no later than post-operative day #2 following EVAR of AAA

Definition:  
Home – For purposes of reporting this measure, home is the point of origin prior to hospital admission prior to procedure of AAA. For example, if the patient comes from a skilled facility and returns to the skilled facility post AAA repair, this would meet criteria for discharged to home.
Numerator Options:

**Performance Met:** Patient discharged to home no later than post-operative day #2 following EVAR (G8826)

**OR**

**Performance Not Met:** Patient not discharged to home by post-operative day #2 following EVAR (G8833)

**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. Discharge to home within two days of endovascular AAA repair is an indicator of patients who were not frail prior to the procedure and who did not experience a major complication. The proposed measure will therefore serve as an indicator of both appropriateness and overall outcome.

**CLINICAL RECOMMENDATION STATEMENTS:**

Elective repair is recommended for patients that present with a fusiform AAA \( \geq 5.5 \) cm in maximum diameter, in the absence of significant comorbidities.

*Level of recommendation: Strong*

*Quality of evidence: High*

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

*Level of recommendation: Strong*

*Quality of evidence: Moderate*

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2016 Registry Individual Measure Flow
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Start

Denominator

Patient Age ≥ 18 Years on Date of Service

Yes

Surgical Codes as Listed in Denominator* (1/1/2015 thru 12/31/2015)

Yes

Not Included in Eligible Population/Denominator

No

Male Patient

Yes

Aortic Aneurysm ≤ 5.5 cm Maximum Diameter 9004F or equivalent

Yes

Aortic Aneurysm ≥ 6 cm Maximum Diameter 9004F or equivalent

No

No

Include in Eligible Population/Denominator (8 procedures)

Numerator

Patient Discharged to Home no Later than Post-Operative Day #2 Following EVAR

Yes

Reporting Met + Performance Met G0826 or Equivalent (5 procedures)

No

Patient Not Discharged to Home by Post-Operative Day #2 Following EVAR

Yes

Reporting Met + Performance Not Met G0833 or Equivalent (2 procedures)

No

Not Included in Eligible Population/Denominator

Reporting Not Met Quality Code or equivalent not reported (1 procedure)

SAMPLE CALCULATIONS:

Reporting Rate:
Performance Met (a=5 procedures) + Performance Not Met (c=2 procedures) = 7 procedures
Eligible Population / Denominator (d=8 procedures) = 8 procedures

Performance Rate:
Performance Met (a=5 procedures) = 5 procedures
Reporting Numerator (7 procedures) = 7 procedures

*See the posted Measure Specification for specific coding and instructions to report this measure.

NOTE: Reporting Frequency: Procedure

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

1. Start with Denominator

2. Check Patient Age:
   a. If the Age greater than or equal to 18 years of age on date of service equals No during the measurement period, do not include in Eligible Patient Population. Stop Processing.
   b. If the Age greater than or equal to 18 years of age on date of service equals Yes during the measurement period, proceed to check Surgical Codes.

3. Check Encounter Performed:
   a. If Surgical Codes as listed in the denominator equals No, do not include in Eligible Patient Population. Stop Processing.
   b. If Surgical Codes as listed in the denominator equals Yes, proceed to check Male Patient.

4. Check Gender Male Patient:
   a. If Male Patient equals No, proceed to check Aortic Aneurysm 5.5 through 5.9 cm Maximum Diameter.
   b. If Male Patient equals Yes, proceed to check Aortic Aneurysm greater than or equal to 6.0 cm Maximum Diameter.

5. Check Aortic Aneurysm 5.5 through 5.9 cm Maximum Diameter:
   a. If Aortic Aneurysm 5.5 through 5.9 cm Maximum Diameter equals No, proceed to check Aortic Aneurysm greater than or equal to 6.0 cm Maximum Diameter.
   b. If Aortic Aneurysm 5.5 through 5.9 cm Maximum Diameter equals Yes, do not include in Eligible Patient Population. Stop Processing.

6. Check Aortic Aneurysm greater than or equal to 6.0 cm Maximum Diameter:
   a. If Aortic Aneurysm greater than or equal to 6.0 cm Maximum Diameter equals No, include in Eligible Population.
   b. If Aortic Aneurysm greater than or equal to 6.0 cm Maximum Diameter equals Yes, do not include in Eligible Patient Population. Stop Processing.

7. Denominator Population
   a. Denominator population is all Eligible Patients in the denominator. Denominator is represented as Denominator in the Sample Calculation listed at the end of this document. Letter d equals 8 procedures in the sample calculation.
8. Start Numerator

9. Check Patient Discharged to Home no Later than Post-Operative Day number 2 following EVAR
   a. If Patient Discharged to Home no later than Post-Operative Day # 2 Following EVAR equals Yes, include in Reporting Met and Performance Met.
   b. Reporting Met and Performance Met letter is represented in the Reporting Rate and Performance Rate in the Sample Calculation listed at the end of this document. Letter a equals 5 procedures in Sample Calculation.
   c. If Patient Discharged to Home no Later than Post-Operative Day number #2 Following EVAR equals No, proceed to Patient Not Discharged to Home by Post-Operative Day #2 Following EVAR.

10. Check Patient Not Discharged to Home by Post-Operative Day # 2 Following EVAR:
   a. If Patient Not Discharged to Home by Post-Operative Day #2 Following EVAR equals Yes, include in Reporting Met and Performance Not Met.
   b. Reporting Met and Performance Not Met letter is represented in the Reporting Rate in the Sample Calculation listed at the end of this document. Letter c equals 2 procedures in the Sample Calculation.
   c. If Patient Not Discharged to Home by Post-Operative Day #2 Following EVAR equals No, proceed to Reporting Not Met.

11. Check Reporting Not Met
   a. If Reporting Not Met equals No, Quality Data Code or equivalent not reported. 1 patient has been subtracted from reporting numerator in the sample calculation.

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<thead>
<tr>
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<th>SAMPLE CALCULATIONS:</th>
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<tbody>
<tr>
<td>Reporting Rate</td>
<td>Performance Met (a=5 procedures) + Performance Not Met (c=2 procedures) = 7 procedures = 87.50%</td>
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<tr>
<td></td>
<td>Eligible Population / Denominator (d=8 procedures) = 8 procedures</td>
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<tr>
<td>Performance Rate</td>
<td>Performance Met (a=5 procedures) = 5 procedures = 71.43%</td>
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<tr>
<td></td>
<td>Reporting Numerator (b procedures) = 7 procedures</td>
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