Measure #249 (NQF 1854): Barrett’s Esophagus – National Quality Strategy Domain: Effective Clinical Care

2016 PQRS OPTIONS FOR INDIVIDUAL MEASURES: CLAIMS, REGISTRY

DESCRIPTION:
Percentage of esophageal biopsy reports that document the presence of Barrett’s mucosa that also include a statement about dysplasia

INSTRUCTIONS:
This measure is to be reported each time a patient’s surgical pathology report demonstrates Barrett’s Esophagus; however, only one QDC per date of service for a patient is required. This measure may be reported by eligible professionals who perform the quality actions described in the measure based on the services provided and the measure-specific denominator coding.

Measure Reporting via Claims:
ICD-10-CM diagnosis codes and CPT codes are used to identify patients who are included in the measure’s denominator. CPT Category II codes or quality-data codes are used to report the numerator of the measure.

When reporting the measure via claims, submit the listed ICD-10-CM diagnosis codes, CPT codes, and the appropriate CPT Category II code OR quality-data code OR the CPT Category II code with the modifier. The modifiers allowed for this measure are: 1P- medical reasons, 8P- reason not otherwise specified. All measure-specific coding should be reported on the claim(s) representing the eligible encounter.

Measure Reporting via Registry:
ICD-10-CM diagnosis codes, and CPT codes 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.

DENOMINATOR:
All surgical pathology biopsy reports for Barrett’s Esophagus

Denominator Criteria (Eligible Cases):
Diagnosis for Barrett’s esophagus (ICD-10-CM): K22.70, K22.710, K22.711, K22.719
AND
Patient encounter during the reporting period (CPT): 88305

NUMERATOR:
Esophageal biopsy report documents the presence of Barrett’s mucosa and includes a statement about dysplasia

NUMERATOR NOTE: Report quality data codes once per patient for each date-of-service.

Numerator Quality-Data Coding Options for Reporting Satisfactorily:
Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Contains a Statement about Dysplasia (present, absent, or indefinite and if present, contains appropriate grading)
Performance Met: CPT II 3126F: Esophageal biopsy reports with the histological finding of Barrett’s mucosa that contains a statement about
dysplasia (present, absent, or indefinite and if present, contains appropriate grading)

OR

Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Contains a Statement about Dysplasia (present, absent, or indefinite) not Performed for Medical Reasons
Append a modifier (1P) to Category II code 3126F to report documented circumstances that appropriately exclude patients from the denominator

Medical Performance Exclusion: 3126F with 1P: Documentation of medical reason(s) for not reporting the histological finding of Barrett’s mucosa (eg, malignant neoplasm or absence of intestinal metaplasia)

OR

If patient is not eligible for this measure because the specimen is not of esophageal origin report:
Other Performance Exclusion: G8797: Specimen site other than anatomic location of esophagus

OR

Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that does not Contain a Statement about Dysplasia (present, absent, or indefinite), Reason not Otherwise Specified
Append a reporting modifier (8P) to CPT Category II code 3126F to report circumstances when the action described in the numerator is not performed and the reason is not otherwise specified

Performance Not Met: 3126F with 8P: Pathology report with the histological finding of Barrett’s mucosa that does not contain a statement about dysplasia (present, absent, or indefinite, and if present, contains appropriate grading), reason not otherwise specified

RATIONALE:
Endoscopy is the technique of choice used to identify suspected Barrett’s esophagus and to diagnose complications of GERD. Biopsy must be added to confirm the presence of Barrett’s epithelium and to evaluate for dysplasia (ACG, 2005).

There is a rapidly rising incidence of adenocarcinoma of the esophagus in the United States. A diagnosis of Barrett’s esophagus increases a patient’s risk for esophageal adenocarcinoma by 30 to 125 times that of people without Barrett’s esophagus (although this risk is still small 0.4% to 0.5% per year). Esophageal adenocarcinoma is often not curable, partly because the disease is frequently discovered at a late stage and because treatments are not effective. A diagnosis of Barrett’s esophagus could allow for appropriate screening of at risk patients as recommended by the American College of Gastroenterology.

Standard endoscopy with biopsy currently is the most reliable means of establishing a diagnosis of Barrett’s esophagus. The definitive diagnosis of Barrett’s esophagus requires a pathologist’s review of an esophageal biopsy. Dysplasia is the first step in the neoplastic process, and information about dysplasia is crucial for clinical decision-making directing therapy. The presence and grade of dysplasia cannot be determined by routine endoscopy, and pathologist’s review of a biopsy is essential for recognition of dysplasia. Endoscopic surveillance detects curable neoplasia in patients with Barrett’s esophagus.

CLINICAL RECOMMENDATION STATEMENTS:
The diagnosis of Barrett’s esophagus requires systematic biopsy of the abnormal-appearing esophageal mucosa to document intestinal metaplasia and to detect dysplasia.

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2016 Registry Individual Measure Flow
PQRS #249 NQF #1854: Barrett's Esophagus

**Numerator**

- Reporting Met + Performance Met 3126F or equivalent (4 procedures)

**Denominator**

1. Start

   - Diagnosis Of Barrett’s Esophagus as Listed in the Denominator*

     - Yes
       - Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Contains a Statement about Dysplasia (present, absent, or indefinite) and if Present Contains Appropriate Grading

         - Yes
           - Reporting Met + Performance Met 3126F or equivalent (4 procedures) a

         - No
           - Reporting Met + Performance Exclusion 3126F-1F or equivalent (1 procedure) b

     - No
       - Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, or indefinite) for Medical Reasons

         - Yes
           - Reporting Met + Performance Not Met 3126F-8P or equivalent (2 procedures) c

         - No
           - Reporting Not Met Quality-Data Code or equivalent not reported (1 procedure)

2. Encounter as Listed in Denominator* (1/1/2016 thru 12/31/2016)

3. Specimen Site Other than Anatomic Location of Esophagus or G8797

4. Include in Eligible Population/Denominator (9 procedures)

**Sample Calculations:**

**Reporting Rate**

\[ \text{Reporting Rate} = \frac{\text{Performance Met (a=4 procedures) + Performance Exclusion (b=1 procedure) + Performance Not Met (c=2 procedures)}}{\text{Eligible Population / Denominator (d=8 procedures)}} \times 100\% = 87.50\% \]

**Performance Rate**

\[ \text{Performance Rate} = \frac{\text{Reporting Numerator (7 procedures) - Performance Exclusion (b=1 procedure)}}{\text{Performance Exclusion (b=1 procedure)}} \times 100\% = 66.67\% \]

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

NOTE: Reporting Frequency: Procedure

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2016 Claims Individual Measure Flow  
PQRS #249: NQF #1854: Barrett’s Esophagus

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 Diagnosis:
   a. If Diagnosis of Barrett’s Esophagus as Listed in the Denominator equals No, do not include in Eligible Patient Population. Stop Processing.
   b. If Diagnosis of Barrett’s Esophagus as Listed in the Denominator equals Yes, proceed to check Encounter Performed.

3. Check Encounter Performed:
   a. If Encounter as Listed in the Denominator equals No, do not include in Eligible Patient Population. Stop Processing.
   b. If Encounter as Listed in the Denominator equals Yes, include in the Eligible population.

4. 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 8 procedures in the sample calculation.

5. Start Numerator

6. Check Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Contains a Statement about Dysplasia (present, absent, or indefinite) and if Present Contains Appropriate Grading:
   a. If Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Contains a Statement about Dysplasia (present, absent, or indefinite) and if Present Contains Appropriate Grading 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 4 procedures in Sample Calculation.
   c. If Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Contains a Statement about Dysplasia (present, absent, or indefinite) and if Present Contains Appropriate Grading equals No, proceed to Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, or indefinite) for Medical Reasons.
7. Check Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, or indefinite) for Medical Reasons:
   a. If Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, or indefinite) for Medical Reasons equals Yes, include in Reporting Met and Performance Exclusion.
   b. Reporting Met and Performance Exclusion letter is represented in the Reporting Rate and Performance Rate in the Sample Calculation listed at the end of this document. Letter b1 equals 1 procedure in the Sample Calculation.
   c. If Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, or indefinite) for Medical Reasons equals No, proceed to Specimen Site other than Anatomic Location of Esophagus.

8. Check Specimen Site other than Anatomic Location of Esophagus:
   a. If Specimen Site other than Anatomic Location of Esophagus equals Yes, include in reporting met and performance exclusion.
   b. Reporting Met and Performance Exclusion letter is represented in the Reporting Rate and Performance Rate in the Sample Calculation listed at the end of this document. Letter b2 equals 0 procedures in the Sample Calculation.
   c. If Specimen Site other than Anatomic Location of Esophagus equals No, proceed to Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, or indefinite), Reason Not Specified.

9. Check Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, or indefinite), Reason Not Specified:
   a. If Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, or indefinite), Reason Not Specified 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 Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, or indefinite), Reason Not Specified equals No, proceed to Reporting Not Met.

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

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**SAMPLE CALCULATIONS:**

**Reporting Rate**
\[
\text{Performance Met (a=4 procedures) + Performance Exclusion (b=0 procedures) + Performance Not Met (c=2 procedures) = 7 procedures} = \frac{87.50\%}{\text{Eligible Population / Denominator (d=8 procedures)}}
\]

**Performance Rate**
\[
\text{Performance Met (a=4 procedures) = 4 procedures} = \frac{66.67\%}{\text{Reporting Numerator (7 procedures) - Performance Exclusion (0 + 2=1 procedure) = 6 procedures}}
\]
2016 Registry Individual Measure Flow
PQRS #249: NQF #1854: Barrett’s Esophagus

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 Diagnosis:
   a. If Diagnosis of Barrett’s Esophagus as Listed in the Denominator equals No, do not include in Eligible Patient Population. Stop Processing.
   b. If Diagnosis of Barrett’s Esophagus as Listed in the Denominator equals Yes, proceed to check Encounter Performed.

3. Check Encounter Performed:
   a. If Encounter as Listed in the Denominator equals No, do not include in Eligible Patient Population. Stop Processing.
   b. If Encounter as Listed in the Denominator equals Yes, proceed to Check Specimen Origin.

4. Check Specimen origin:
   a. If Specimen Site other than Anatomic Location of Esophagus equals Yes, do not include in Eligible Patient Population. Stop Processing.
   b. If Specimen Site other than Anatomic Location of Esophagus equals No, include in the Eligible population.

5. 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 8 procedures in the sample calculation.

6. Start Numerator

7. Check Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Contains a Statement about Dysplasia (present, absent, or indefinite) and if Present Contains Appropriate Grading:
   a. If Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Contains a Statement about Dysplasia (present, absent, or indefinite) and if Present Contains Appropriate Grading 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 4 procedures in Sample Calculation.
   c. If Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Contains a Statement about Dysplasia (present, absent, or indefinite) and if Present Contains Appropriate Grading equals No, proceed to Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, or indefinite) for Medical Reasons.
8. Check Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, or indefinite) for Medical Reasons:
   a. If Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, or indefinite) for Medical Reasons equals Yes, include in Reporting Met and Performance Exclusion.
   b. Reporting Met and Performance Exclusion letter is represented in the Reporting Rate and Performance Rate in the Sample Calculation listed at the end of this document. Letter b equals 1 procedure in Sample Calculation.
   c. If Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, indefinite) for Medical Reasons equals No, proceed to Check Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, indefinite), Reason Not Specified.

9. Check Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, or indefinite), Reason Not Specified:
   a. If Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, or indefinite), Reason Not Specified equals Yes, include in the 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 Esophageal Biopsy Reports with the Histological Finding of Barrett’s Mucosa that Does Not Contain a Statement about Dysplasia (present, absent, or indefinite), Reason Not Specified equals No, proceed to Reporting Not Met.

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

**SAMPLE CALCULATIONS:**

**Reporting Rate:**
\[
\text{Performance Met (a=4 procedures) + Performance Exclusion (b=1 procedure) + Performance Not Met (c=2 procedures)} = 7 \text{ procedures} = 87.50\%
\]
\[
\text{Eligible Population / Denominator (d=8 procedures)} = 8 \text{ procedures}
\]

**Performance Rate:**
\[
\text{Performance Met (a=4 procedures)} = \frac{4 \text{ procedures}}{6 \text{ procedures}} = 66.67\%
\]
\[
\text{Reporting Numerator (7 procedures) - Performance Exclusion (b=1 procedure)} = 6 \text{ procedures}
\]