Measure #343: Screening Colonoscopy Adenoma Detection Rate – National Quality Strategy Domain: Effective Clinical Care

2016 PQRS OPTIONS FOR INDIVIDUAL MEASURES: REGISTRY ONLY

DESCRIPTION:
The percentage of patients age 50 years or older with at least one conventional adenoma or colorectal cancer detected during screening colonoscopy

INSTRUCTIONS:
This measure is to be reported each time a screening colonoscopy for colorectal cancer is performed during the reporting period. 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:
ICD-10-CM diagnosis codes, CPT codes or HCPCS 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.

DENOMINATOR:
Patients age 50 years or older undergoing a screening colonoscopy

Definition:
Colorectal Cancer Precursor Lesions- Based on pathologic diagnosis, colorectal cancer precursor lesions include: adenomatous polyps [tubular, tubulovillous, villous] and traditional serrated adenomas, sessile serrated polyps and sessile serrated adenomas.

Denominator Criteria (Eligible Cases):
Patients 50 years of age or older on date of encounter AND Risk factors for colorectal cancer (ICD-10-CM): Z80.0, Z83.71, Z12.11 AND Patient encounter during reporting period (CPT or HCPCS): 45378, 45380, 45381, 45384, 45385, G0121 WITHOUT CPT Category I Modifiers: 52, 53, 73, 74

NUMERATOR:
Number of patients age 50 years or older with at least one conventional adenoma or colorectal cancer detected during screening colonoscopy

Numerator Options:
Performance Met: Adenoma(s) or other neoplasm detected during screening colonoscopy (3775F)

OR
Performance Exclusion: Documentation of reason for not detecting adenoma(s) or other neoplasm. (e.g., Neoplasm detected is only diagnosed as traditional serrated adenoma, sessile serrated polyp, or sessile serrated adenoma) (G9496)

OR

Performance Not Met: Adenoma(s) or other neoplasm not detected during screening colonoscopy (3776F)

RATIONALE:
The removal of adenomatous polyps during a screening colonoscopy is associated with a lower risk of subsequent colorectal cancer incidence and mortality. Higher adenoma detection rates (> 25% in a mixed gender population) are associated with significant protection against incident colorectal cancer in the five years following screening colonoscopy.

CLINICAL RECOMMENDATION STATEMENTS:
The United States Preventive Services Task Force has recommended screening colonoscopy for adults, beginning at age 50 and continuing until age 75 (Grade A recommendation) Screening exams are those performed to detect lesions in the absence of signs, symptoms, or personal history of colon neoplasia. The adenoma detection rate is an independent predictor of risk of developing colorectal cancer between screening colonoscopies. However, studies have documented wide variation in adenoma detection rates, illustrating the need for measuring and monitoring this metric for endoscopists. Some studies have identified variation due to the location of adenomas. Procedure length has also been found in some, but not all, studies to correlate with adenoma detection rate. The adenoma detection rate varies between genders, with a lower rate demonstrated in women. Multi-specialty and stakeholder guidelines support the importance of measuring the adenoma detection rate in the prevention of colorectal cancer. Guidelines and the supporting literature support performance targets for adenoma detection rate of 25% for a mixed gender population (20% in women and 30% in men). The performance targets for adenoma detection rate were established by using studies reporting detection of conventional adenomas. Serrated lesions are a separate class from conventional adenomas. Sessile serrated polyp/adenoma differentiation from hyperplastic polyp is subject to marked interobserver variation in pathologic interpretation. Thus, serrated lesions should not be counted toward the ADR.

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2016 Registry Individual Measure Flow
PQRS #343: Screening Colonoscopy Adenoma Detection Rate

Start

Denominator

Patient Age at Date of Service ≥ 50 Years

No

Diagnosis for Risk Factors for Colorectal Cancer as Listed in Denominator*

Yes

Not Included in Eligible Population/Denominator

No

Encounter as Listed in Denominator* (11/2016 thru 12/31/2016)

Yes

Modifiers (52, 53, 73 or 74) Appended to Encounter Codes

Yes

Include in Eligible Population/Denominator (13 procedures)

No

Numerator

Adenoma(s) or Other Neoplasm Detected During Screening Colonoscopy

Yes

Reporting Met + Performance Met 3775F or equivalent (5 procedures) a

No

Documentation of Reason for Not Detecting Adenoma(s) or Other Neoplasm

Yes

Reporting Met + Performance Exclusion G3498 or equivalent (5 procedures) b

No

Adenoma(s) or Other Neoplasm not Detected During Screening Colonoscopy

Yes

Reporting Met + Performance Not Met 3776F or equivalent (2 procedures) c

No

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

SAMPLE CALCULATIONS:

Reporting Rate:
 Performance Met (≥5 procedures) + Performance Exclusion (≥5 procedures) + Performance Not Met (≥2 procedures) = 12 procedures, = 92.31% Eligible Population / Denominator (≥13 procedures)

Performance Rate:
 Performance Met (≥5 procedures) Reporting Numerator (12 procedures) – Performance Exclusion (≥5 procedures) = 5 procedures, = 71.43%

NOTE: Reporting Frequency: Procedure

*See the posted Measure Specification for specific coding and instructions to report this measure.
2016 Registry Individual Measure Flow
PQRS #343: Screening Colonoscopy Adenoma Detection Rate

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 Patient Age is greater than or equal to 50 Years of age on Date of Service during Reporting Period equals No, do not include in Eligible Population. Stop Processing.
   b. If Patient Age is greater than or equal to 50 Years of age on Date of Service during Reporting Period equals Yes, proceed to check Patient Diagnosis.

3. Check Patient Diagnosis:
   a. If Diagnosis for Risk Factors for Colorectal Cancer as Listed in the Denominator equals No, do not include in Eligible Population. Stop Processing.
   b. If Diagnosis for Risk Factors for Colorectal Cancer as Listed in the Denominator equals Yes, proceed to check Encounter Performed.

4. Check Encounter Performed:
   a. If Encounter as Listed in the Denominator equals No, do not include in Eligible Population. Stop Processing.
   b. If Encounter as Listed in the Denominator equals Yes, proceed to check Modifiers 52, 53, 73 or 74 Appended to Encounter Codes.

5. Check Modifiers 52, 53, 73 or 74 Appended to Encounter Codes:
   a. If Modifiers 52, 53, 73 or 74 Appended to Encounter Codes equals Yes, do not include in Eligible Population. Stop Processing.
   b. If Modifiers 52, 53, 73 or 74 Appended to Encounter Codes equals No, include in the Eligible population.

6. 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.

7. Start Numerator

8. Check Adenoma(s) or Other Neoplasm Detected During Screening Colonoscopy:
   a. If Adenoma(s) or Other Neoplasm Detected During Screening Colonoscopy 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 Adenoma(s) or Other Neoplasm Detected During Screening Colonoscopy equals No, proceed to check Documentation of Reason for not Detecting Adenoma(s) or other Neoplasm.

9. Check Documentation of Reason for not Detecting Adenoma(s) or Other Neoplasm:
   a. If Documentation of Reason for not Detecting Adenoma(s) or Other Neoplasm equals Yes, include in Reporting Met and Performance Not Met.
   b. Reporting Met and Performance Exclusion letter is represented in the Reporting Rate in the Sample Calculation listed at the end of this document. Letter b equals 5 procedures in the Sample Calculation.
   c. If Documentation of Reason for not Detecting Adenoma(s) or Other Neoplasm equals No, proceed to check Adenoma(s) or Other Neoplasm not Detected During Screening Colonoscopy.

10. Check Adenoma(s) or Other Neoplasm not Detected During Screening Colonoscopy:
    a. If Adenoma(s) or Other Neoplasm not Detected During Screening Colonoscopy 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 Adenoma(s) or Other Neoplasm not Detected During Screening Colonoscopy equals No, proceed to Reporting Not Met.

11. Check Reporting Not Met
    a. If Reporting Not Met, the Quality Data Code or equivalent was not reported. 1 procedure has been subtracted from the reporting numerator in sample calculation.

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**SAMPLE CALCULATIONS:**

<table>
<thead>
<tr>
<th>Reporting Rate</th>
<th>Eligible Population / Denominator (d=13 procedures)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance Met (a=5 procedures) + Performance Exclusion (b=5 procedures) + Performance Not Met (c=2 procedures) = 12 procedures</td>
<td>= 92.31%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Performance Rate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance Met (a=5 procedures)</td>
<td>= 5 procedures</td>
</tr>
<tr>
<td>Reporting Numerator (12 procedures) – Performance Exclusion (b=5 procedures)</td>
<td>= 7 procedures</td>
</tr>
</tbody>
</table>