

<b>eMeasure Title</b>	<b>Colorectal Cancer Screening</b>		
<b>eMeasure Identifier (Measure Authoring Tool)</b>	130	<b>eMeasure Version number</b>	5.0.000
<b>NQF Number</b>	0034	<b>GUID</b>	aa2a4bbc-864f-45ee-b17a-7ebcc62e6aac
<b>Measurement Period</b>	January 1, 20XX through December 31, 20XX		
<b>Measure Steward</b>	National Committee for Quality Assurance		
<b>Measure Developer</b>	National Committee for Quality Assurance		
<b>Endorsed By</b>	National Quality Forum		
<b>Description</b>	Percentage of adults 50-75 years of age who had appropriate screening for colorectal cancer.		
<b>Copyright</b>	<p>Physician Performance Measure (Measures) and related data specifications were developed by the National Committee for Quality Assurance (NCQA).</p> <p>The Measures are copyrighted but can be reproduced and distributed, without modification, for noncommercial purposes (eg, use by healthcare providers in connection with their practices). Commercial use is defined as the sale, licensing, or distribution of the Measures for commercial gain, or incorporation of the Measures into a product or service that is sold, licensed or distributed for commercial gain. Commercial use of the Measures requires a license agreement between the user and NCQA. NCQA is not responsible for any use of the Measures.</p> <p>(C) 2008-2016 National Committee for Quality Assurance. All Rights Reserved.</p> <p>Limited proprietary coding is contained in the Measure specifications for user convenience. Users of proprietary code sets should obtain all necessary licenses from the owners of the code sets. NCQA disclaims all liability for use or accuracy of any CPT or other codes contained in the specifications.</p> <p>CPT(R) contained in the Measure specifications is copyright 2004-2015 American Medical Association. LOINC(R) copyright 2004-2015 Regenstrief Institute, Inc. This material contains SNOMED Clinical Terms(R) (SNOMED CT[R]) copyright 2004-2015 International Health Terminology Standards Development Organisation. ICD-10 copyright 2015 World Health Organization. All Rights Reserved.</p>		
<b>Disclaimer</b>	<p>These performance Measures are not clinical guidelines and do not establish a standard of medical care, and have not been tested for all potential applications.</p> <p>THE MEASURES AND SPECIFICATIONS ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND.</p> <p>Due to technical limitations, registered trademarks are indicated by (R) or [R] and unregistered trademarks are indicated by (TM) or [TM].</p>		
<b>Measure Scoring</b>	Proportion		
<b>Measure Type</b>	Process		
<b>Stratification</b>	None		
<b>Risk Adjustment</b>	None		
<b>Rate Aggregation</b>	None		
<b>Rationale</b>	<p>An estimated 132,700 men and women were diagnosed with colon or rectal cancer in 2015. In the same year, 49,700 were estimated to have died from the disease, making colorectal cancer the third leading cause of cancer death in the United States (National Cancer Institute 2015, American Cancer Society 2015).</p> <p>Screening for colorectal cancer is extremely important as there are no signs or symptoms of the cancer in the early stages. If the disease is caught in its earliest stages, it has a five-year survival rate of 90%; however, the disease is often not caught this early. While screening is extremely effective in detecting colorectal cancer, it remains underutilized (American Cancer Society 2015).</p> <p>The U.S. Preventive Services Task Force has identified fecal occult blood tests, colonoscopy, and flexible sigmoidoscopy as effective screening methods (United States Preventive Services Task Force 2008).</p>		
<b>Clinical Recommendation Statement</b>	<p>The United States Preventive Services Task Force (2008):</p> <p>[1] The USPSTF recommends screening for colorectal cancer using fecal occult blood testing, sigmoidoscopy, or colonoscopy in adults, beginning at age 50 years and continuing until age 75 years (A recommendation).</p> <p>[2] The USPSTF concludes that the evidence is insufficient to assess the benefits and harms of computed tomographic (CT) colonography and fecal DNA testing as screening modalities for colorectal cancer (I statement).</p>		
<b>Improvement Notation</b>	Higher score indicates better quality		

Reference	American Cancer Society. 2015. "Cancer Prevention & Early Detection Facts & Figures 2015-2016." Atlanta: American Cancer Society.
Reference	National Cancer Institute. 2015. "SEER Stat Fact Sheets: Colon and Rectum Cancer." Bethesda, MD, <a href="http://seer.cancer.gov/statfacts/html/colorect.html">http://seer.cancer.gov/statfacts/html/colorect.html</a>
Reference	U.S. Preventive Services Task Force (USPSTF). 2008. "Screening for colorectal cancer: U.S. Preventive Services Task Force recommendation statement." <i>Ann Intern Med</i> 149(9):627-37.
Definition	None
Guidance	None
Transmission Format	TBD
Initial Population	Patients 50-75 years of age with a visit during the measurement period
Denominator	Equals Initial Population
Denominator Exclusions	Patients with a diagnosis or past history of total colectomy or colorectal cancer
Numerator	Patients with one or more screenings for colorectal cancer. Appropriate screenings are defined by any one of the following criteria: - Fecal occult blood test (FOBT) during the measurement period - Flexible sigmoidoscopy during the measurement period or the four years prior to the measurement period - Colonoscopy during the measurement period or the nine years prior to the measurement period
Numerator Exclusions	Not Applicable
Denominator Exceptions	None
Supplemental Data Elements	For every patient evaluated by this measure also identify payer, race, ethnicity and sex

## Table of Contents

- [Population Criteria](#)
- [Data Criteria \(ODM Variables\)](#)
- [Data Criteria \(ODM Data Elements\)](#)
- [Supplemental Data Elements](#)
- [Risk Adjustment Variables](#)

## Population Criteria

- **Initial Population =**
  - AND: Age >= 50 year(s) at: "Measurement Period"
  - AND: Age < 75 year(s) at: "Measurement Period"
  - AND: Union of:
    - "Encounter, Performed: Office Visit"
    - "Encounter, Performed: Face-to-Face Interaction"
    - "Encounter, Performed: Preventive Care Services - Established Office Visit, 18 and Up"
    - "Encounter, Performed: Preventive Care Services-Initial Office Visit, 18 and Up"
    - "Encounter, Performed: Home Healthcare Services"
    - "Encounter, Performed: Annual Wellness Visit"
    - during "Measurement Period"
- **Denominator =**
  - AND: Initial Population
- **Denominator Exclusions =**
  - OR: Union of:
    - "Diagnosis: Malignant Neoplasm of Colon"
    - "Procedure, Performed: Total Colectomy"
    - starts before end of "Measurement Period"
- **Numerator =**
  - AND: Union of:
    - "Procedure, Performed: Colonoscopy" <= 9 year(s) ends before end of "Measurement Period"
    - "Laboratory Test, Performed: Fecal Occult Blood Test (FOBT) (result)" during "Measurement Period"
    - "Procedure, Performed: Flexible Sigmoidoscopy" <= 4 year(s) ends before end of "Measurement Period"
- **Numerator Exclusions =**
  - None
- **Denominator Exceptions =**
  - None

**Stratification =**

- None

**Data Criteria (QDM Variables)**

- None

**Data Criteria (QDM Data Elements)**

- "Diagnosis: Malignant Neoplasm of Colon" using "Malignant Neoplasm of Colon Grouping Value Set (2.16.840.1.113883.3.464.1003.108.12.1001)"
- "Encounter, Performed: Annual Wellness Visit" using "Annual Wellness Visit Grouping Value Set (2.16.840.1.113883.3.526.3.1240)"
- "Encounter, Performed: Face-to-Face Interaction" using "Face-to-Face Interaction Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1048)"
- "Encounter, Performed: Home Healthcare Services" using "Home Healthcare Services Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1016)"
- "Encounter, Performed: Office Visit" using "Office Visit Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1001)"
- "Encounter, Performed: Preventive Care Services - Established Office Visit, 18 and Up" using "Preventive Care Services - Established Office Visit, 18 and Up Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1025)"
- "Encounter, Performed: Preventive Care Services-Initial Office Visit, 18 and Up" using "Preventive Care Services-Initial Office Visit, 18 and Up Grouping Value Set (2.16.840.1.113883.3.464.1003.101.12.1023)"
- "Laboratory Test, Performed: Fecal Occult Blood Test (FOBT)" using "Fecal Occult Blood Test (FOBT) Grouping Value Set (2.16.840.1.113883.3.464.1003.198.12.1011)"
- "Procedure, Performed: Colonoscopy" using "Colonoscopy Grouping Value Set (2.16.840.1.113883.3.464.1003.108.12.1020)"
- "Procedure, Performed: Flexible Sigmoidoscopy" using "Flexible Sigmoidoscopy Grouping Value Set (2.16.840.1.113883.3.464.1003.198.12.1010)"
- "Procedure, Performed: Total Colectomy" using "Total Colectomy Grouping Value Set (2.16.840.1.113883.3.464.1003.198.12.1019)"

**Supplemental Data Elements**

- "Patient Characteristic Ethnicity: Ethnicity" using "Ethnicity CDCREC Value Set (2.16.840.1.114222.4.11.837)"
- "Patient Characteristic Payer: Payer" using "Payer SOP Value Set (2.16.840.1.114222.4.11.3591)"
- "Patient Characteristic Race: Race" using "Race CDCREC Value Set (2.16.840.1.114222.4.11.836)"
- "Patient Characteristic Sex: ONC Administrative Sex" using "ONC Administrative Sex AdministrativeGender Value Set (2.16.840.1.113762.1.4.1)"

**Risk Adjustment Variables**

- None

Measure Set	None
-------------	------