What Do the Data Tell Us: What Can We Learn from the Latest Colorectal Cancer Screening Rate Trends Over Time?

November 3, 2021 – 1:00-2:00 PM ET

2021 80% in Every Community Conference & NCCRT Annual Meeting Pre-meeting Session
Purpose of Today’s Session

• Learn how we are doing as a nation on our efforts to reach an 80% colorectal cancer screening rate.
• Hear from four experts on the latest data and trends from key national data sets: NHIS, BRFSS, UDS, and HEDIS.
• Q&A
Presenters

**Jordan Karlitz, MD** (Moderator)
GI Division Chief, Denver Health Medical Center; and Associate Professor at the University of Colorado School of Medicine; NCCRT Steering Committee

**Lisa Richardson, MD, MPH**
Director, Division of Cancer Prevention and Control, Centers for Disease Control and Prevention, NCCRT Steering Committee

**Sepheen Byron**
Assistant Vice President, Performance Measurement, National Committee for Quality Assurance

**Neeraj Deshpande MBBS, MPH, MHA**
Public Health Analyst, Quality Recognition and Health Promotion Team, Bureau of Primary Health Care/Office of Quality Improvement, DHHS/Health Resources and Services Administration

**Stacey Fedewa, PhD**
Scientific Director, Screening and Risk Factors Research, American Cancer Society, Inc.
Virtual Housekeeping

- The event is being recorded. The replay and slides will be made available on www.nccrt.org within a few days.
- All participants are muted.
- Submit questions through the Q&A box at any time.
- Please complete our evaluation.

Funding for this webinar was made possible (in part) by the Centers for Disease Control and Prevention. The views expressed in written conference materials or publications and by speakers and moderators do not necessarily reflect the official policies of the Department of Health and Human Services, nor does the mention of trade names, commercial practices, or organizations imply endorsement by the U.S. Government.
The NCCRT Data & Progress webpage provides up-to-date statistics on colorectal cancer screening, incidence, mortality, and geographic distribution information.

nccrt.org/data-progress
Colorectal Cancer Deaths and Cases

Colorectal Cancer Cases and Deaths, All Ages, All Races/Ethnicities, Both Sexes, 1999-2018

Source: [CDC Data visualization](https://www.cdc.gov/cancer/survival/colorectal/index.htm)
2020 Behavioral Risk Factor Surveillance System (BRFSS) Colorectal Cancer Screening Overview

7 in 10 U.S. Adults

Up to Date with Colorectal Cancer Screening

- First time questions about FIT-DNA test and computed tomography (CT) colonography included
- In adults ages 50-75:
  - 72.1% - Up to date with colorectal cancer screening (all test types)*
  - 19.3% Never Screened
  - 69.7% Up to date with colorectal cancer screening by previous year’s definition**

* including FIT-DNA, CT (virtual) colonography
** the percentage of adults aged 50 to 75 who were up-to-date with fecal immunochemical test (FIT), sigmoidoscopy, and colonoscopy in 2020
Adults 50-75 Up-to-Date Using USPSTF Recommendation*

Data Source: Behavioral Risk Factor Surveillance System (BRFSS)

* including FIT-DNA, CT (virtual) colonography
Reported Colorectal Cancer (CRC) Screening Test Use By Age and Race*

**Percent CRC Screening Test Use by Age**
- 50-64: 66.4%
- 65-75: 82.5%
- Overall: 72.1%

**Percent CRC Screening Use by Race**
- American Indian/Alaska Native: 63.1%
- Asian/Pacific Islander: 64.3%
- Black, non-Hispanic: 75.4%
- Hispanic: 64.9%
- Other/multiracial: 66.1%
- White, Non-Hispanic: 73.8%

* Age standardized
Reported Colorectal Cancer Screening Test Use By Gender*

* Age standardized
Reported Colorectal Cancer (CRC) Screening Test Use By Education and Income*

**Percent of CRC Screening Test Use by Education**

- College graduate: 76.5%
- Some college/Technical school: 73.6%
- High School/GED: 69.0%
- Less than high school: 64.4%

**Percent CRC Test Use by Income**

- ≥75000: 76.4%
- 50,000-74,999: 73.6%
- 35,000-49,999: 70.5%
- 15,000-34,999: 67.1%
- <15,000: 66.7%

* Age standardized
Reported Colorectal Cancer Screening Test Use By Health Insurance Status*

Percent CRC Test Use By Health Insurance Status

- Yes: 74.5%
- No: 44.1%

* Age standardized
Reported CRC Screening Test Used By Regular Health Provider Status*

Percent CRC Test Use By Regular Health Provider Status

- **Yes**: 76.2%
- **No**: 41.4%

* Age standardized
Thank you!

Go to the official federal source of cancer prevention information:
www.cdc.gov/cancer
HEDIS® Colorectal Cancer Screening Measure

Sepheen Byron
Assistant Vice President, Performance Measurement
National Committee for Quality Assurance

National Colorectal Cancer Roundtable
November 2021
HEDIS®
Healthcare Effectiveness Data and Information Set

**Tool used by over 90 percent of America’s health plans**

**Allows for comparison of health plans across important dimensions of care**

<table>
<thead>
<tr>
<th>Access and availability of care</th>
<th>Behavioral health and substance use</th>
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<tbody>
<tr>
<td>Preventive services</td>
<td>Care coordination</td>
</tr>
<tr>
<td>Chronic disease management</td>
<td>Utilization of health care</td>
</tr>
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</table>
Colorectal Cancer Screening

Current measure description

Adults ages 50-75 years who had appropriate screening for colorectal cancer:

- **Fecal occult blood test** or **fecal immunochemical test** during the year
- **FIT-DNA test** within the past three years
- **Flexible sigmoidoscopy** within the past five years
- **CT colonography** within the past five years
- **Colonoscopy** within the past 10 years

Stratify by **race and ethnicity**
Medicare plans stratify by **socioeconomic status**

Product Lines
Commercial, Medicare

Data Collection Method
Administrative
Hybrid
Electronic Clinical Data Systems

Required Benefits
Medical
Colorectal Cancer Screening amid the COVID-19 Pandemic

<table>
<thead>
<tr>
<th>Year</th>
<th>Commercial</th>
<th>Medicare</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>62.1</td>
<td>72.0</td>
</tr>
<tr>
<td>2019</td>
<td>63.7</td>
<td>72.0</td>
</tr>
<tr>
<td>2020</td>
<td>61.4*</td>
<td>71.1</td>
</tr>
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*Statistically significant

% with Colorectal Cancer Screening

-2.3

-1.0
Evolving HEDIS to Use More Electronic Clinical Data

What are we striving towards?

- Foster patient-specific care
- Leverage more and better data into greater insight
- Align with interoperability and value-based payment models
- Decrease measurement burden

Get to better measures
# Updated Guidelines for Colorectal Cancer Screening

<table>
<thead>
<tr>
<th>Population</th>
<th>Recommendation</th>
<th>Grade</th>
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<tbody>
<tr>
<td>Adults ages 45 to 49 years</td>
<td>The USPSTF recommends screening for colorectal cancer in adults aged 45 to 49 years.</td>
<td>B</td>
</tr>
<tr>
<td>Adults ages 50 to 75 years</td>
<td>The USPSTF recommends screening for colorectal cancer in all adults aged 50 to 75 years.</td>
<td>A</td>
</tr>
<tr>
<td>Adults ages 76 to 85 years</td>
<td>The USPSTF recommends that clinicians selectively offer screening for colorectal cancer in adults aged 76 to 85 years. Evidence indicates that the net benefit of screening all persons in this age group is small. In determining whether this service is appropriate in individual cases, patients and clinicians should consider the patient's overall health, prior screening history, and preferences.</td>
<td>C</td>
</tr>
</tbody>
</table>

U.S. Preventive Services Task Force, May 2021
# Changes Posted for Public Comment

**HEDIS MY 2022 Technical Update**

## Denominator

| Members | 45 - 75 years of age by December 31 of the measurement year |

## Age Stratifications

<table>
<thead>
<tr>
<th>Ages</th>
<th>45-49 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ages</td>
<td>50-75 years</td>
</tr>
<tr>
<td>Total</td>
<td></td>
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</table>

## Product Lines

<table>
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<tr>
<td>Medicare</td>
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<tr>
<td>Medicaid</td>
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</tbody>
</table>

## Data Collection

| Drop Hybrid Reporting Method for MY 2022 |
| Establish ECDS-only Reporting for MY 2023 |
The presentation on the 2020 UDS Colorectal Cancer Screening Data from Neeraj Deshpande at the Bureau of Primary Health Care, HRSA, is not currently available to be shared, but will be made available on www.nccrt.org in the future.
What do the data tell us?
National Health Interview Survey

NATIONAL COLORECTAL CANCER ROUNDTABLE

November, 2021
Stacey Fedewa, PhD
Surveillance and Health Equity Sciences
American Cancer Society
National Health Interview Survey (Historical)

- In-person, household survey among non-institutionalized adults
- Self-reported CRC screening data every 2-3 years
  - Colonoscopy
  - Sigmoidoscopy
  - FIT/gFOBT (hereafter FIT)
  - CT colonography (added in 2010)
  - sDNA/Cologuard (added in 2018)
National Health Interview Survey: Recent/Updates

- 2019: Change in survey design, CRC screening questions, and rotation
- 2020: CRC screening data not collected, in-person → telephone → some in-person
  - Changes in response rates
  - Changes on respondent characteristics (more educated)
  - Additional weighting
- 2021: CRC screening data are collected, mix of in-person/telephone
% Up-to-date CRC Screening 50-75 years, NHIS 2000-2019

Change in Survey Design and CRC screening questions?
Pre-Pandemic Progress

% Up-to-date with CRC Screening

NH White
Black
Asian
Hispanic

Pre-Pandemic Progress

% Up-to-date with CRC Screening

- NH White
- Black
- Asian
- Hispanic

College Grad
Some College
HS
<HS

% Up-to-date with CRC Screening

Pre-Pandemic Progress: Insurance

% Up-to-date with CRC Screening

- Medicare+Private
- Medicare alone or dual
- Private
- Medicaid
- Uninsured

NHIS 2019-2021: Proportion of Adults Reporting PCP Visit in Past Year According to Interview Quarter

Note the scale

Source: National Center for Health Statistics, National Health Interview Survey
NHIS 2019-2021: Proportion of Adults Reporting PCP Visit in Past Year According to Interview Quarter

Note the scale


Source: National Center for Health Statistics, National Health Interview Survey
Conclusions

• Pre-pandemic increases in CRC screening, especially in some groups with lower screening rates and more barriers

• COVID-19 Pandemic influenced survey mode, response rates, and respondent characteristics
Thank you
Please submit your questions in the Q&A box.
NCCRT National Meeting

80% in Every Community Conference & NCCRT Annual Meeting – Nov. 15-17, 2021

Presentations by nationally known experts, thought leaders, and decision makers on CRC screening policy and delivery.

nccrt.org/events/
The 2022 80% in Every Community National Achievement Awards

Submit your nominations by Nov. 19!

nccrt.org/awards