

Name: _____ mm-dd-yyyy

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YOUR RESULT

High Risk Screening Recommended

HEALTH HISTORY RISK FACTORS

Your Personal History **Average Risk**

Your Family History
Increased Risk

LIFESTYLE RISK FACTORS

1 Change Recommended

You're at high risk for colorectal cancer. Follow the screening plan recommended by your doctor.

- There are several tests to look for colorectal cancer, including at-home stool tests. Colonoscopy has the benefit of being able to find polyps before they become cancer.
- Your family history increases your CRC risk. Ask your doctor what this means for you.
- You have 1 lifestyle risk factor that can be improved. If you need help making the recommended change, be sure to ask for it.

Colorectal Cancer Risk Factors

Many things affect the risk of developing cancer of the colon or rectum (also called colorectal cancer or CRC). Some of these "risk factors" can be changed and others cannot.

Lifestyle risk factors can be changed. Avoid the risk factors listed in the table. If you need help making a recommended change, help is available.

A healthy diet may also affect CRC risk. Diets that include fruits, vegetables, and other foods high in fiber may slightly lower the risk of colorectal cancer.

Lifestyle Risk Factors	You Reported
Obesity weight range	No
Current smoker	No
Low weekly exercise	Yes
Moderate/heavy alcohol use	No



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Results

What Is Screening?

"Screening" is a general term for tests that look for signs of a disease before there are symptoms.

Screening Saves Lives

The goal of colorectal cancer (CRC) screening is to prevent cancer. Some tests can find growths in the colon or rectum before they become cancer (pre-cancerous polyps). Other tests cannot.

Finding cancer at an early stage is also very important. When found early, about 90% of people treated for CRC are still alive five years later.

How Common Is CRC Screening?

The good news is that roughly two out of every three people who should be screened for CRC are up-to-date. The remaining people have either never been screened or aren't up-to-date.

Options for Colorectal Screening

Colonoscopy is one of several screening tests for colorectal cancer. Other tests include:

- Sigmoidoscopy A lighted tube is used to look for polyps in the lower third of the colon.
- Stool tests done at home Fecal immunochemical tests (FIT or FIT-DNA) or fecal occult blood tests (FOBT).
- Virtual colonoscopy X-rays and computers produce images of the entire colon.

Work with your doctor to choose the right test for you.

COLORECTAL CANCER SCREENING

High/Increased Risk Existing Condition(s)

Your Screening History

Never Screened

Colorectal Cancer Symptoms

Early colorectal cancer often has no symptoms. That's why screening is so important.

If you routinely have any of these symptoms, talk to your doctor soon:

- Blood in or on your stool (bowel movement)
- Diarrhea, constipation, or feeling that the bowel does not empty all the way
- Abdominal pain, aches, or cramps that don't go away
- Unexplained weight loss

These symptoms can be caused by things other than cancer. The only way to find out what's causing them is to ask your doctor.

COLORECTAL CANCER SYMPTOMS

1 or more reported symptoms
Increased Risk



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Results

Personal History

Type 2 diabetes increases the risk of developing colorectal cancer (CRC). This appears to be true even if a person with type 2 diabetes is physically active and within the recommended weight range.

People who have an inflammatory bowel disease (ulcerative colitis or Crohn's disease) have almost double the risk.

A history of certain types of polyps or other abnormal test results can increase a person's CRC risk.

Inherited gene changes can greatly increase the risk of developing colorectal cancer. Hereditary CRC syndromes include:

- Familial adenomatous polyposis (FAP)
- Family colon cancer syndrome X
- Lynch syndrome (sometimes referred to as hereditary nonpolyposis colon cancer, or HNPCC).

PERSONAL HISTORY RISK FACTORS

Your Personal History **Average Risk**

Your personal history:

No colorectal cancer, hereditary CRC syndrome, inflammatory bowel disease, or type 2 diabetes

Family History

Most people with colorectal cancer (CRC) don't have a history of the disease in their family. But when people do have an immediate family member (parent, brother, sister, or child) with CRC or pre-cancerous polyps, their risk for CRC is increased.

The risk is even higher if CRC or pre-cancerous polyps are diagnosed:

- Before age 60
- In 2 or more immediate family members

Having an immediate family member with a hereditary CRC syndrome increases the risk of developing CRC. This is because the gene change that causes the syndrome may be passed on through generations.

FAMILY HISTORY RISK FACTORS

Your Family History
High Risk

Your immediate family history:

Familial adenomatous polyposis (FAP)



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Lifestyle Risk Factors

Too much body fat increases the risk of colorectal cancer. Compared to people in the healthy weight range:

- Men with obesity have about a 50% higher risk of colon cancer and a 20% higher risk of rectal cancer.
- Women with obesity have about a 20% increased risk of colon cancer and a 10% increased risk of rectal cancer.

WEIGHT

Current

Recommended Goal

200 lbs.

Increased Risk

175 lbs. or less Average Risk

For your height, 200 pounds is considered OBESITY.
Ask a health care professional about weight management options.

Smoking tobacco causes colorectal cancer. The risk seems higher for rectal cancer than for colon cancer.

People who quit smoking have a better chance of surviving colorectal cancer than those who don't.

SMOKING

Current

Recommended Goal

Smoked within 30 days
Increased Risk

Never smoked **Average Risk**

Talk to your doctor about programs or services to help you quit smoking.

Moderate to heavy alcohol use increases the risk of colorectal cancer.

An average of 2 to 3 drinks daily is "moderate use." Four drinks daily is "heavy use."

Moderate drinkers have a 20% higher risk of colorectal cancer than nondrinkers or light drinkers.

ALCOHOL USE

Current

Recommended Goal

Fewer than 2 drinks daily **Average Risk**

Fewer than 2 drinks daily **Average Risk**



Name: _	mm-dd-yyyy

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Lifestyle Risk Factors

Physical activity lowers the risk of colon cancer, but not rectal cancer.

It's never too late to start exercising. Even people who have been inactive most of their lives can lower their colon cancer risk.

Taking a brisk walk or climbing stairs count towards the weekly recommended goal.

The recommended goal can be met by a mix of moderate and vigorous exercise.

WEEKLY EXERCISE

Current

Recommended Goal

Equivalent to 180 min. moderate

Decreased Risk

150 min. or more moderate **Average Risk**

*60 moderate + 60 vigorous = 180 min. moderate (each minute of vigorous exercise equals two minutes of moderate)

**The goal is 150 minutes of moderate exercise or an equivalent mix of moderate and vigorous minutes.

About This Assessment

The Colorectal Cancer Assessment focuses primarily on screening recommendations for colorectal cancer (CRC) from the American Cancer Society¹ (ACS), the United States Preventative Task Force Services² (USPSTF) and the American College of Gastroenterology³ (ACG). It also assesses risk factors related to CRC and family history.^{1,2}

Lifestyle-related factors, such as alcohol use, smoking, and BMI, are assessed and evaluated.⁴ Symptoms⁴ of possible colorectal cancer are also assessed.

References

- 1. Wolf AMD, Fontham ETH, Church TR, et al. Colorectal Cancer Screening for Average-Risk Adults: 2018 Guideline Update from the American Cancer Society. CA Cancer J Clin 2018;68:250-281. https://doi:10.3322/caac.21457.
- 2. US Preventive Services Task Force. Screening for Colorectal Cancer US Preventive Services Task Force Recommendation Statement. JAMA. 2021;325(19):1965-1977. https://doi:10.1001/jama.2021.6238.
- 3. Shaukat A, Kahi CJ, Burke CA, et al. ACG Clinical Guidelines: Colorectal Cancer Screening 2021. Am J Gastroenterol 2021;116:458–479. https://doi.org/10.14309/ajg.00000000001122
- 4. American Cancer Society. Colorectal Cancer Facts & Figures: 2020-2022. Atlanta, GA: American Cancer Society. 2020. https://www.cancer.org/content/dam/cancer-org/research/cancer-facts-and-statistics/colorectal-cancer-facts-and-figures/colorectal-cancer-facts-and-figures-2020-2022.pdf

NOTICE: Health assessments are based on averages from studies of large groups of people.

Your situation may be different. It is important to discuss your personal situation with your health care provider. This assessment is not intended to replace medical advice from your health care provider, but rather help you set health goals and make healthy lifestyle decisions.

DISCLAIMER

THE INFORMATION CONTAINED IN THE RISK ASSESSMENT IS FOR YOUR PERSONAL USE ONLY. THIS RISK ASSESSMENT WILL NOT PROVIDE YOU WITH A MEDICAL SERVICE; IT WILL NOT DIAGNOSE, CURE, MITIGATE, TREAT, OR PREVENT DISEASE OR OTHER CONDITIONS: AND IT IS NOT INTENDED TO PROVIDE A DETERMINATION OR ASSESSMENT OF YOUR STATE OF HEALTH. ALWAYS CONSULT A LICENSED HEALTH CARE PROFESSIONAL SUCH AS YOUR FAMILY PHYSICIAN OR A SPECIALIST TO MAKE HEALTH CARE DECISIONS OR BEFORE STARTING ANY DIET OR EXERCISE PROGRAM. WE MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, IN CONNECTION WITH THE RISK ASSESSMENT OR THE PERFORMANCE OF THE RISK ASSESSMENT, AND NEITHER THE ASSESSMENT PROVIDER, NOR MEDICOM HEALTH INTERACTIVE, WILL BE HELD RESPONSIBLE OR LIABLE FOR ANY COSTS OR DAMAGES RELATED TO USE OF THE RISK ASSESSMENT OR ANY INFORMATION PROVIDED THEREFROM.

Colorectal Cancer Profiler



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COLORECTAL CANCER SCREENING

existing_conditions

concerning_symptoms

incr_risk_family_history

av_risk_old

av_risk_young

recommended

continue schedule

YOUR RESULT summaryResult

Monitoring Recommended

High Risk Screening Recommended

Increased Risk Screening Recommended

Increased Risk Discuss Screening With A Doctor

Increased Risk Discuss Symptoms With A Doctor

Average Risk Schedule Screening Now

> **Average Risk Continue Routine** Screening

Average Risk Above Recommended Age For Screening

Average Risk Below Recommended Age For Screening

monitor crc

screening_rec_high_risk

screening_rec_increased_risk

screening_possibly_rec

symptoms_reported

screening_rec_av_risk_untested

screening_rec_av_risk_tested

discuss av risk old

discuss_av_risk_young

Top Badge

screening

High/Increased Risk Existing Condition(s)

Increased Risk Concerning Symptoms

> **Increased Risk Family History**

Average Risk Above Recommended Age

Average Risk Below Recommended Age

Average Risk Schedule Screening Now

> Average Risk Continue Your Regular **Screening Schedule**

crcScreeningHistory

Your Screening History **Never Screened**

Bottom Badge

Your Screening History **Over 10 Years Ago**

Your Screening History 5 to 10 Years Ago

Your Screening History Within Past 5 Years

No Colonoscopy

Your Screening History

ECC-119 - NEW

colorectalSymptomsRisk

COLORECTAL CANCER SYMPTOMS

No reported symptoms **Average Risk**

1 or more reported symptoms **Increased Risk**

HEALTH HISTORY RISK FACTORS



LIFESTYLE RISK FACTORS

lifestyleRiskFactorsCount

1 Change Recommended

lifestyleRiskFactorsCount = 1

Changes Recommended

lifestyleRiskFactorsCount = 2 OR 3 OR 4

No Recommended Changes

lifestyleRiskFactorsCount = 0

Report - page 1 MESSAGING

reportMainMessage

LC documents --> Colorectal Cancer Messaging --> reportMainMessage https://www.lucidchart.com/documents/edit/53df9278-c089-4378-8b15-7f178ce3f1e5/1

Bullets

(NOTE: ORIGINAL BULLET1 REMOVED IN 2021)

Bullet 1 Personalized Screening Notes

LC documents --> Colorectal Cancer Messaging --> bullet2 https://www.lucidchart.com/documents/edit/53df9278-c089-4378-8b15-7f178ce3f1e5/3

Bullet 2 Health History Risk

LC documents --> Colorectal Cancer Messaging --> bullet3 https://www.lucidchart.com/documents/edit/53df9278-c089-4378-8b15-7f178ce3f1e5/4

Bullet 3 Lifestyle Risk Factors

LC documents --> Colorectal Cancer Messaging --> bullet4 https://www.lucidchart.com/documents/edit/53df9278-c089-4378-8b15-7f178ce3f1e5/5

Report - page 1 PARTS

Lifestyle Risk Factors	You Reported	
Obesity weight range	No	If bmiRisk = 'increased', show Yes ; else, show No
Current smoker	No	If smoker = 'current', show Yes ; else, show No
Low weekly exercise	Yes	If exerciseRisk = 'average', show Yes; else, show No (QA & DEVS: Please note this one is different)
Moderate/heavy alcohol use	No	If alcoholRisk = 'increased', show <i>Yes</i> ; else, show No

DEV & QA NOTE: "Current smoker" and "Low weekly exercise" are a little different here.

The logic for the Lifestyle Risk Factors badge is identical to the table logic. i.e. The number of YES answers in the table on page 1 should match the number of RECOMMENDED CHANGES in the Lifestyle Risk Factors Badge.

SMOKER: 'Current smoker' in the table is driven by 'smoker' and NOT 'smokerRisk.'

If 'smoker='current', show YES in the table and +1 in the lifestyleRiskFactorsCount

If 'smoker'=['former_more' OR 'former_less' OR 'never'], show NO in the table and +0 in the lifestyleRiskFactorsCount.

In contrast, the independent risk factor badge on page 4 of the report is driven by 'smokerRisk' and not 'smoker.'

In cases where smoker='former *' the user will see an orange badge on page 4 but a NO in the table on page 1 (& no change recommended).

WEEKLY EXERCISE: 'Low weekly exercise' in the table is driven by 'exerciseRisk.'

If 'exerciseRisk='average', show YES in the table and +1 in the lifestyleRiskFactorsCount

If 'exerciseRisk'='decreased,' show NO in the table and +0 in the lifestyleRiskFactorsCount.

In cases where exerciseRisk='average' the user will see a blue badge on page 5 but a YES in the table on page 1 (& change recommended).

BOTTOM LINE:

There MAY be instances where the number of orange/blue risk factor badges in the report (pages 4 & 5) don't match the number of "recommended changes" in the Lifestyle Risk Factors badge OR the number of YES answers in the table on page 1.

This won't necessarily mean there's a calculation error.

bmiRisk

WEIGHT

weight Current

recommendedWeight Recommended Goal

lbs. ?? Risk

lbs. or less

Average Risk

lbs. **Average Risk**

bmiCategory != 'obese'

Increased Risk

bmiCategory = 'obese'

CONDITIONAL SUB MESSAGE Driven by 'bmiCategories' -- NOT badge color!

obese:

For your height, ### pounds is considered **OBESITY**. Ask a health care professional about weight management options.

normal:

For your height, ### pounds is considered a **HEALTHY WEIGHT**.

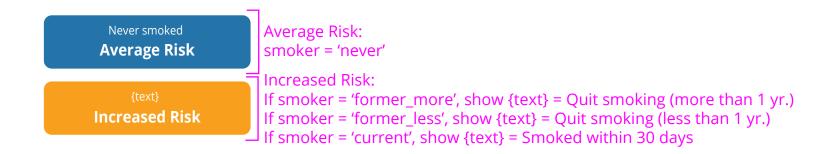
overweight OR underweight

'weight' 'bmiCategory'
For your height, ### pounds is considered {OVERWEIGHT/UNDERWEIGHT}. Ask your doctor to determine a healthy weight for you.

smokerRisk

SMOKING





CONDITIONAL SUB MESSAGE

smoker='current': Talk to your doctor about programs or services to help you quit smoking.

exerciseRisk

WEEKLY EXERCISE

exerciseModerateEquivalent

Current

Recommended Goal

Equivalent to ### min. ?? Risk

150 min. or more moderate* **Decreased Risk**

Equivalent to ### min. **Decreased Risk**

Equivalent to ### min. **Average Risk**

DYNAMIC SUB MESSAGE

exerciseModerateEquivalent
Your moderate exercise equivalent is ### minutes. (### min. moderate & ### min. vigorous)

weeklyExercise_moderate weeklyExercise_vigorous

alcoholRisk

ALCOHOL USE

Current

Recommended Goal

text ?? Risk

Fewer than 2 drinks daily **Average Risk**

Fewer than 2 drinks daily **Average Risk**

2 or more drinks daily **Increased Risk**