



Name: \_\_\_\_\_

mm-dd-yyyy

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# Based on your smoking history, annual lung cancer screening is not recommended.

For you, the risks and limitations of a low-dose CT scan may outweigh the benefits.

- Good job quitting smoking! Your screening recommendation is based on your current smoking history. If that changes, your recommendation may change too.
- Your smoking history increases your lung cancer risk. You have other lung cancer risk factors that may also increase your risk. Do what you can to avoid future environmental/workplace exposures.

# Who's at Risk for Lung Cancer?

Tobacco smoking is the #1 risk factor for lung cancer. It accounts for 80% of lung cancer deaths.

However, people who don't smoke can get lung cancer too. The table to the right lists other risk factors for lung cancer.

Among smokers, having other risk factors may make the chance of developing lung cancer even higher

# The Benefits of Not Smoking

Avoiding smoking lowers the chance of having lung cancer. For people who already have lung cancer, quitting can help lower the risk of having a second cancer.

People who are having trouble kicking the habit should talk to a health care professional. Programs and services to quit smoking can help. Medication and other treatments are also available.

Other Lung Cancer Risk Factors	Your Risk Level
Personal history of smoking-related cancer	Average Risk
Family history of smoking-related cancer	Unknown Risk
Chronic obstructive pulmonary disease (COPD)	Average Risk
Pulmonary fibrosis	Average Risk
Radiation therapy to the chest	Increased Risk
Environmental exposure	Increased Risk
Workplace exposure	Average Risk



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# Results

# **Screening for Lung Cancer**

Screening for lung cancer with a test know as a low-dose CT scan can reduce the risk of dying from lung cancer.

But lung cancer screening isn't right for everyone. Having a low-dose CT scan carries important health risks. In some cases, those risks can outweigh the benefits.

Finding cancer before it has spread to other parts of the body makes it easier to treat. The early stages of lung cancer often have no symptoms. That's why screening is so important. A low-dose CT scan can find lung cancer early.

Your screening recommendation is based on the U.S. Preventive Services Task Force Recommendation Statement and other widely accepted guidelines and research.

### SCREENING RECOMMENDATION

Former Smoker
Not Recommended

# Smoking as a Risk Factor

Smoking increases the risk of several types of cancer, including lung, throat, esophagus, kidney, pancreas, bladder, and cervix.

Lung cancer kills more people than colorectal cancer, breast cancer, and prostate cancer combined.

### What Is a Pack-Year?

Tobacco use is measured in "pack-years." The type of tobacco, amount smoked, and number of years smoked are used to calculate this number.

One pack-year is equal to 20 cigarettes per day for one year, 2 packs per day for half a year, and so on.

# **SMOKING HISTORY**

Status: Quit Less than 1 Year

Tobacco Use: 19 Pack-Year(s)

Your Smoking History	Pack-Year Equivalent
<b>Cigarettes</b> 20 per day for 25 years	18 Pack-Year(s)
<b>Cigarettes</b> 10 per day for 8 years	1 Pack-Year(s)

# Total: 19 Pack-Years



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# **Other Lung Cancer Risk Factors**

Smoking-related cancers include cancer of the lung, throat, esophagus, kidney, pancreas, bladder, or cervix. The risk for lung cancer is higher in people who've had other cancers related to smoking.	PERSONAL HISTORY OF SMOKING-RELATED CANCER No smoking-related cancer Average Risk
It's important to know your family history of smoking-related cancer. Having a parent, child, brother, or sister with a smoking-related cancer increases the risk of lung cancer.	FAMILY HISTORY OF SMOKING-RELATED CANCER Unknown family history Unknown Risk
The risk for lung cancer goes up with radiation	RADIATION THERAPY TO THE CHEST
therapy to the chest. This is especially true	History of radiation therapy
for smokers.	Increased Risk
Regardless of smoking history, people with	COPD
chronic obstructive pulmonary disease (COPD)	No COPD
have an increased risk of developing lung cancer.	Average Risk
Pulmonary fibrosis is linked to lung cancer.	PULMONARY FIBROSIS
Pulmonary fibrosis causes scarring of lung	No pulmonary fibrosis
tissue. This scarring makes it hard to breathe.	Average Risk



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# **Other Lung Cancer Risk Factors**

### **Environmental Exposure**

Long-term exposure to smoke, air pollution, radon, or asbestos makes the risk of developing lung cancer go up.

- Second-hand smoke can cause lung cancer in people who don't smoke. The more exposure, the higher the risk. Someone who has lived with a smoker for five years or more is considered a passive smoker.
- Radon is the leading cause of lung cancer in non-smokers.
- Asbestos exposure makes people more likely to die of lung cancer, especially if they smoke.
- Up to 5% of all lung cancer deaths may be caused by air pollution.

### Workplace Exposure

Working around certain materials can increase the chance of having lung cancer. These include:

- Dusts (for example: sawdust, metal dust, concrete dust)
- Inhaled chemicals and minerals (such as breathable forms of arsenic, silica, nickel, coal products, etc.)
- Substances found in industrial workplaces (materials related to paving, roofing, chimney sweeping, etc.)

# **RISK FROM EXPOSURE**

Environmental: Increased Risk

Workplace: Average Risk

Your Environmental Exposure		
Second-hand smoke	Yes	
Radon	No	
Asbestos	No	
Air pollution	Yes	
Your Workplace Exposure		
Dusts	No	
Inhaled chemicals/minerals	No	
Industrial workplace substances	No	

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.



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### **Mt. General Memorial Clinic**

5431 Lake Drive, Minneapolis MN 55401 1-877-555-0000

### **OUR HOSPITALS**

Mt. General Memorial Hospital 2928 Fifth Ave. SW, Edina, MN 53802 (555) 555-1100

**Mt. General Memorial Regional Medical Center** 982 West Poplar Drive, St. Paul, MN 50013 (555) 555-2100

### Mt. General Memorial Community Hospital

4110 South Virago Parkway, Rush City, MN 59545 (555) 555-3100

**Mt. General Memorial North Franklinburg Hospital** 890 SE 57th St., Franklinburg, MN 56782 (555) 555-4100

### Mt. General Memorial Lakeport Hospital

524 SW Monarch St., Lakeport, MN 57653 (555) 555-5100

### SCREENING RECOMMENDATION screening

### recommended

**Screening May Be** Recommended

### not\_recommended\_smoker

Not Currently Recommended

not recommended young

**Discuss Screening Options** at Age 55

### discuss

**Discuss Screening Options** With a Doctor

not\_recommended\_quit

Former Smoker Not Recommended

not\_recommended\_old

Not Recommended Due to Age

not\_recommended\_never

Never Smoked Not Recommended

### **SMOKING HISTORY**

TOP BADGE: smokerRisk	
Status: Current Smoker	high_current
Status: Quit Less than 1 Year	increased_quit_recent
Status: Quit [##] Year(s) Ago	increased_quit_1to14
Status: Quit [##] Years Ago	low_quit_over14
Status: Never Smoked	low_never

# **BOTTOM BADGE: tobaccoUse** Tobacco Use: [XX] Pack-Years heavy Tobacco Use: [XX] Pack-Year(s) moderate Tobacco Use: **0 Pack-Years** none

### **OTHER RISK FACTORS** Risk Factor Count/Status: **# Increased Risk** increasedRiskCount **# Average Risk** averageRiskCount unknownRiskCount **# Unknown Risk**

XX = ['packYears' integer]

See LUCIDCHART --> Lung Cancer Calculations --> screening https://www.lucidchart.com/documents/edit/9940ca7b-fd20-4015-b625-8c61f6f336ad/11 -->smokerRisk https://www.lucidchart.com/documents/edit/9940ca7b-fd20-4015-b625-8c61f6f336ad/12 -->tobaccoUse https://www.lucidchart.com/documents/edit/9940ca7b-fd20-4015-b625-8c61f6f336ad/7

--> Risk Factor Count/Status https://www.lucidchart.com/documents/edit/9940ca7b-fd20-4015-b625-8c61f6f336ad/10

# Result Messaging Please check Lucidchart for longest version

reportMainMessage, Bullet 1, Bullet 2 See LUCIDCHART --> Lung Cancer Messaging --> https://www.lucidchart.com/documents/edit/8efe3d1e-373f-421f-b0d0-af1e1ce0ac35/0

# **PARTS REPORT PAGE 1**

Other Lung Cancer Risk Factors	Your Risk Level	
Personal history of smoking-related cancer	Average Risk	historyRisk Average Risk Increased Risk
Family history of smoking-related cancer	Unknown Risk	familyHistoryRisk Average Risk Increased Risk Unknown Risk
Chronic obstructive pulmonary disease (COPD)	Average Risk	copdRisk Average Risk Increased Risk
Pulmonary fibrosis	Average Risk	pulmonaryFibrosisRisk Average Risk Increased Risk
Radiation therapy to the chest	Increased Risk	radiationTherapyRisk Average Risk Increased Risk
Environmental exposure	Average Risk	environmentRisk Average Risk Increased Risk
Workplace exposure	Average Risk	workplaceRisk Average Risk Increased Risk

# **PARTS REPORT PAGE 2**

# smoker != never

Your Smoking History	Pack-Year Equivalent	
<b>Tobacco type</b> XX per {timeframe} for YY years	{history1_*} Pack-Year(s)	history1_*
<b>Tobacco type</b> XX per {timeframe} for YY years	{history2_*} Pack-Year(s)	history2_*
<b>Tobacco type</b> XX per {timeframe} for YY years	{history3_*} Pack-Year(s)	history3_*
<b>Tobacco type</b> XX per {timeframe} for YY years	{history4_*} Pack-Year(s)	history4_*
<b>Tobacco type</b> XX per {timeframe} for YY years	{history5_*} Pack-Year(s)	history5_*

Tobacco type = history\*\_type XX = history\*\_amount {timeframe} = 'day' or 'week' depending on history\*\_type YY = history\*\_years {history#\_\*} Pack-Year(s) = pack-years per tobacco type

Note to development: The full table will be present on all reports regardless of how many smoking histories are entered, but text will ONLY appear for those histories entered. For example, if user enters two smoking histories, rows 1 & 2 will be populated with the corresponding data, and rows 3-5 will remain blank. See example on report page 2.

**Total: ## Pack-Years** Sum of history1\_\* through history5\_\* pack-years

# smoker = never

Your Smoking History	Pack-Year Equivalent
No smoking history reported	0 Pack-Years

**Total: 0 Pack-Years** 

# **PARTS REPORT PAGE 5**

# **RISK FROM EXPOSURE**

# TOP BADGE: environmentRiskEnvironmental:<br/>Increased RiskincreasedEnvironmental:<br/>Average RiskaverageBOTTOM BADGE: workplaceRiskworkplace<br/>increased RiskWorkplace:<br/>Increased RiskincreasedWorkplace:<br/>Average Riskaverage

Your Environmental Exposure		
Second-hand smoke	Yes	
Radon	No	
Asbestos	No	
Air pollution	Yes	
Your Workplace Exposure		
Dusts	Yes	
link al ad ab anaisa la (min anala	No	
Inhaled chemicals/minerals	INU	
Industrial workplace substances	No	

If lungHistory\_secondHand = true, then show Yes; else No If environmentExposure\_radon = true, then show Yes; else No If environmentExposure\_asbestos = true, then show Yes; else No If environmentExposure\_pollution = true, then show Yes; else No

If workExposure\_dusts = true, then show Yes; else No If workExposure\_chemicals = true, then show Yes; else No If workExposure\_industrial = true, then show Yes; else No

# FAMILY HISTORY OF SMOKING-RELATED CANCER

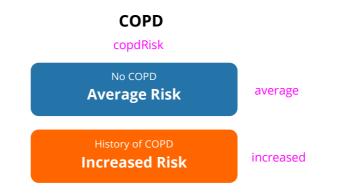
### familyHistoryRisk



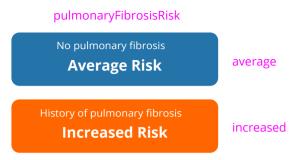
# PERSONAL HISTORY OF SMOKING-RELATED CANCER

otherCancerRisk





# **PULMONARY FIBROSIS**



# **RADIATION THERAPY TO THE CHEST**

radiationTherapyRisk



