

# Kentucky Lung Cancer Screening Program

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**TEAM**   
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CABINET FOR HEALTH  
AND FAMILY SERVICES

# Lung Cancer in the U.S.



## Mortality

Lung cancer is the leading cause of cancer deaths in the U.S.



## Diagnosis

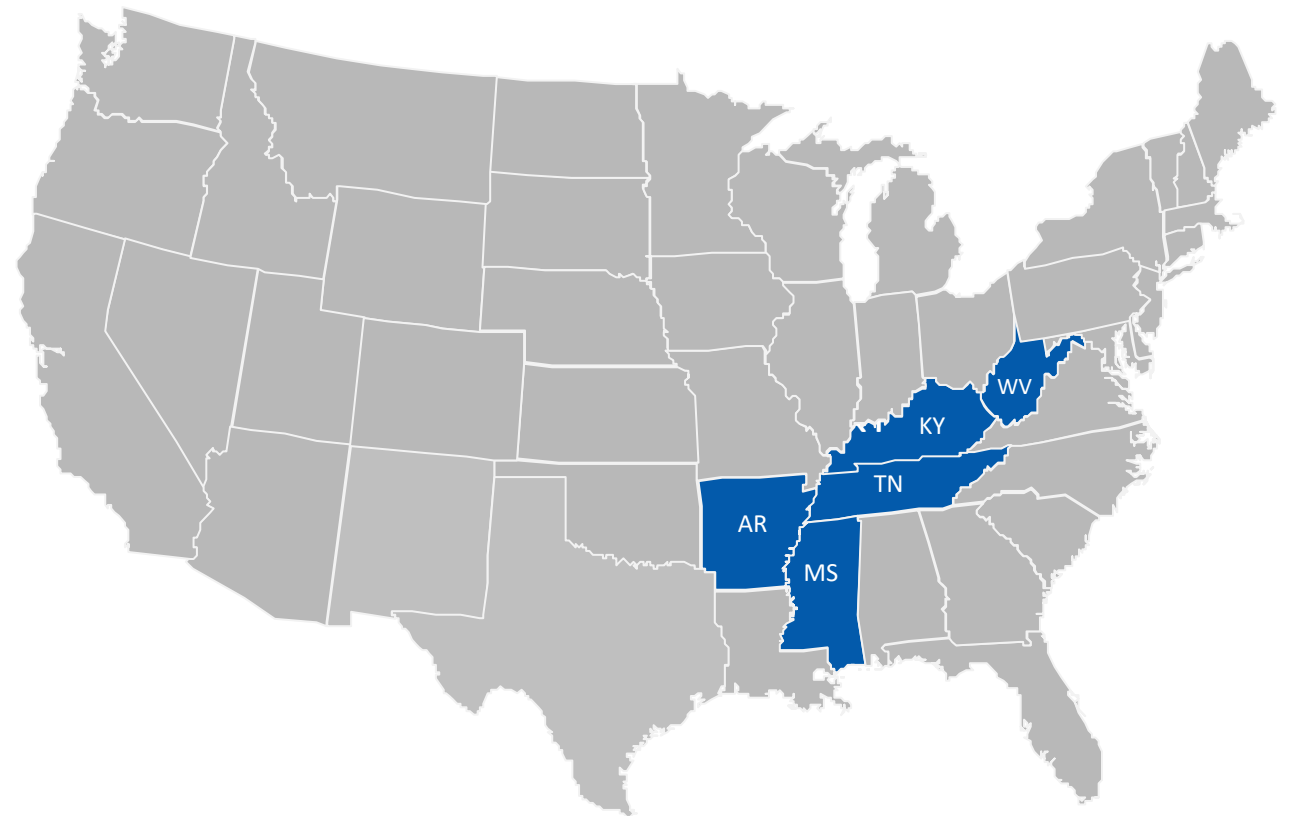
Lung cancer can go undiagnosed for a long time.



## Kentucky

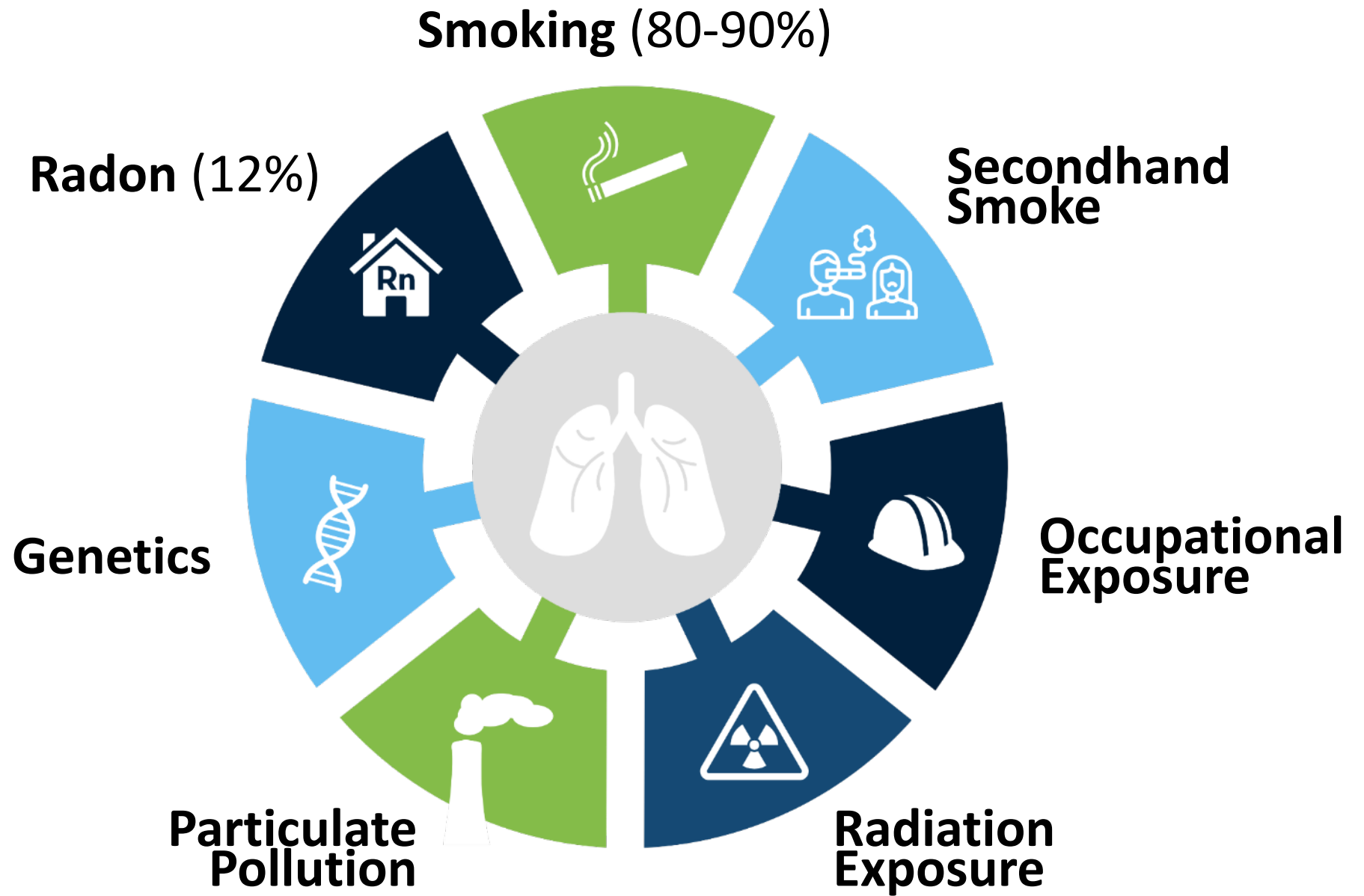
Lung cancer is the 3rd most common cancer in Kentucky.

## States with Highest Lung Cancer Incidence




American Lung Association. Lung Cancer Basics <https://www.lung.org/lung-health-diseases/lung-disease-lookup/lung-cancer/basics>

# Lung Cancer Risk Factors



# Radon

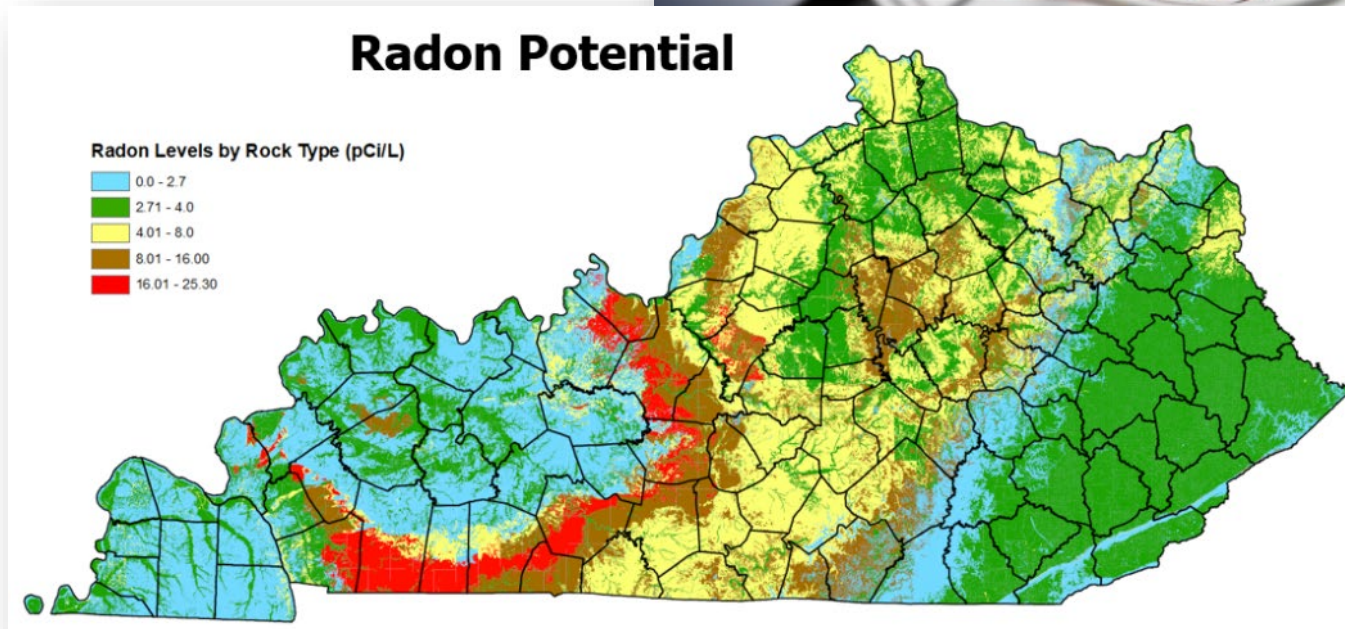
Radon is naturally occurring gas that has no color, smell or taste.



**Radon** is the **number one** cause of **lung cancer** among non-smokers.

**Smokers** are at even **greater risk** of radon-induced **lung cancer**.

► [epa.gov/radon](http://epa.gov/radon)

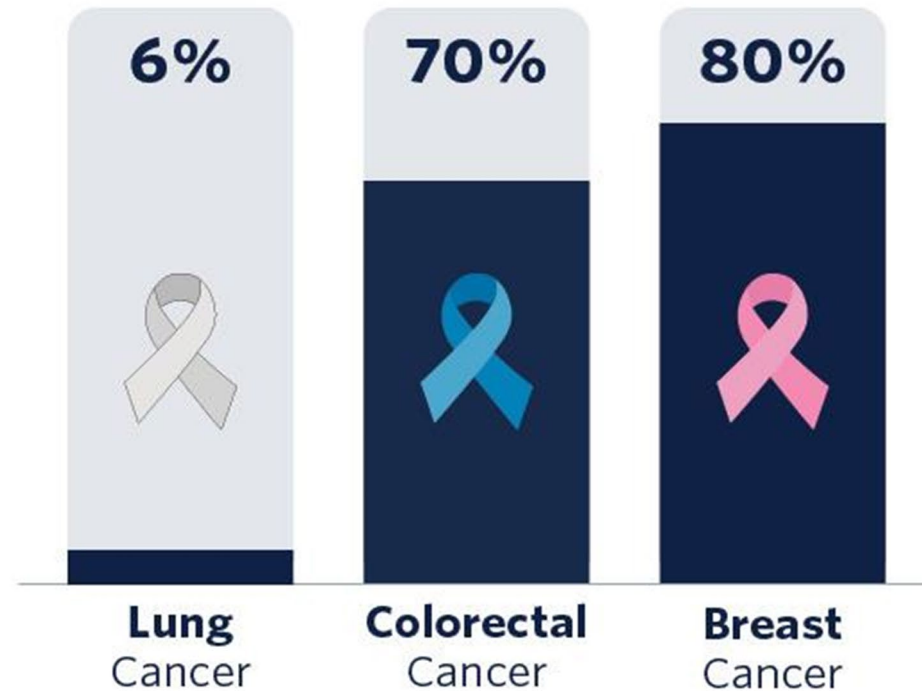


Map: [University of Kentucky](http://University of Kentucky); Image: [EPA](http://EPA)

# Eligible Population Screened/Year

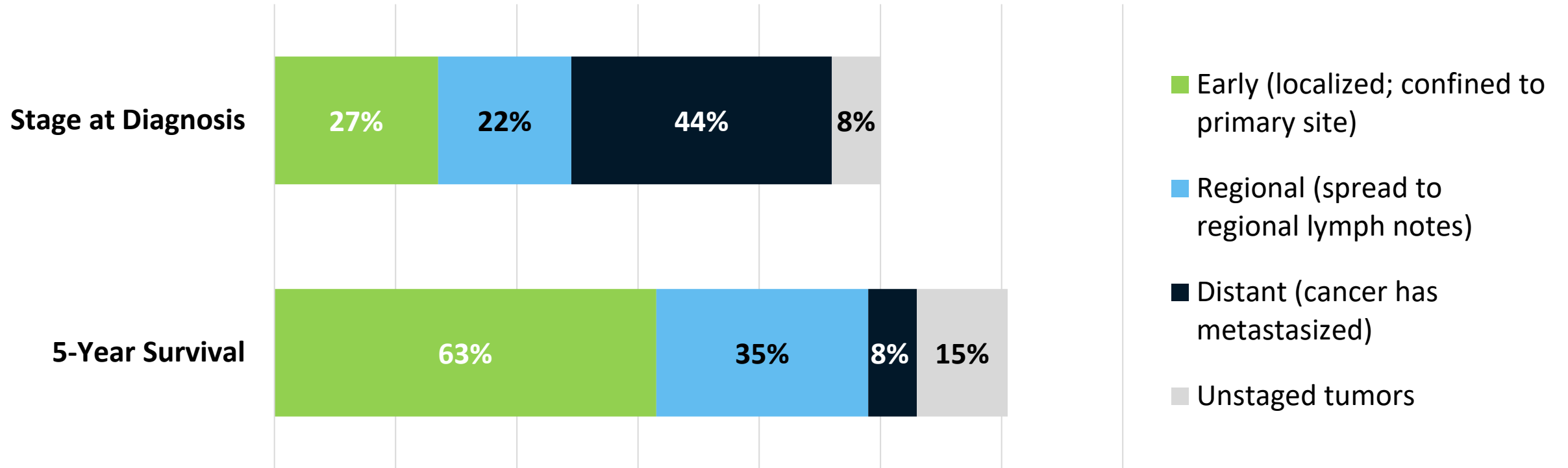
**Lung cancer screening saves lives, but more people need to get screened.**

Approximate national screening rates of eligible patients.



Source: [National Lung Cancer Screening Day Roundtable](#).

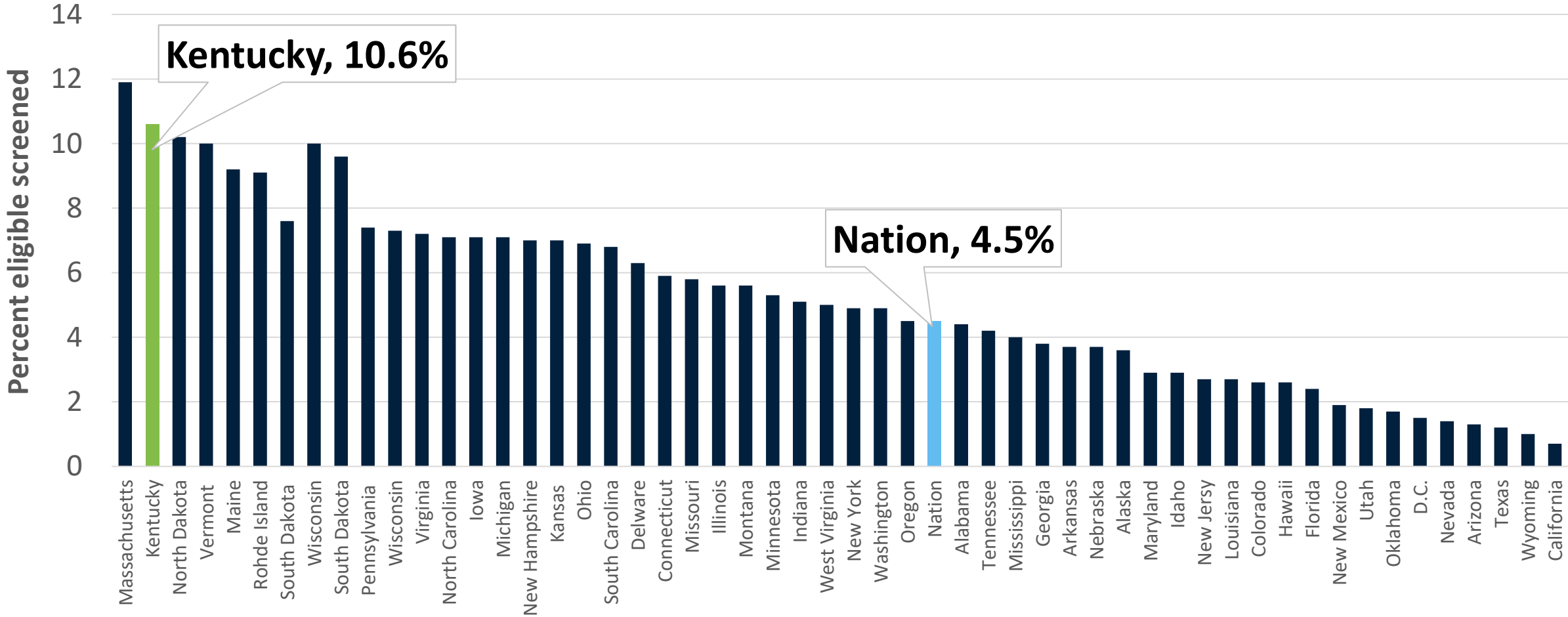
# Stage at Diagnosis & 5-Year Survival Rate (U.S., 2024)



**Over the last five years, the early diagnosis rate in Kentucky has improved by 14%!**

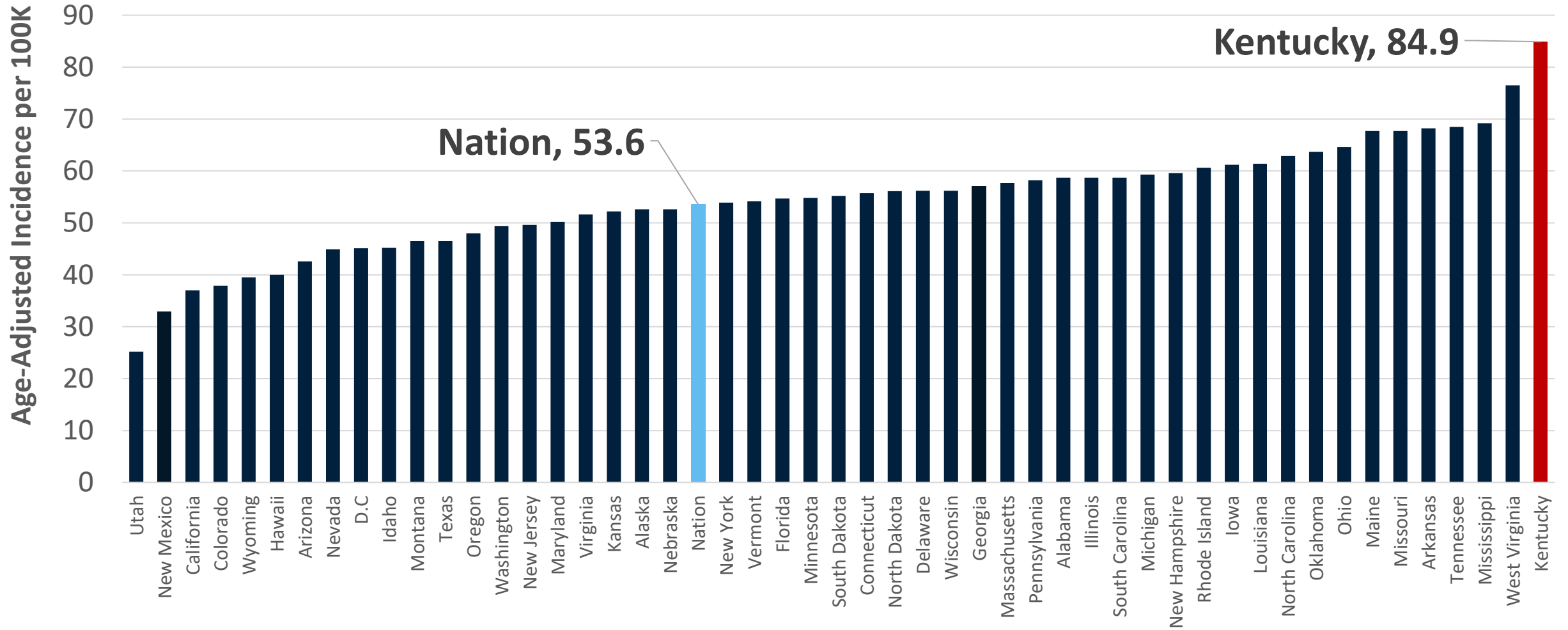
Source: [American Lung Association](#)

# State Ranking by High-Risk Screening Rate (2023)



Source: [American Lung Association](#)

# State Rankings by Rate of New Cases (2024)

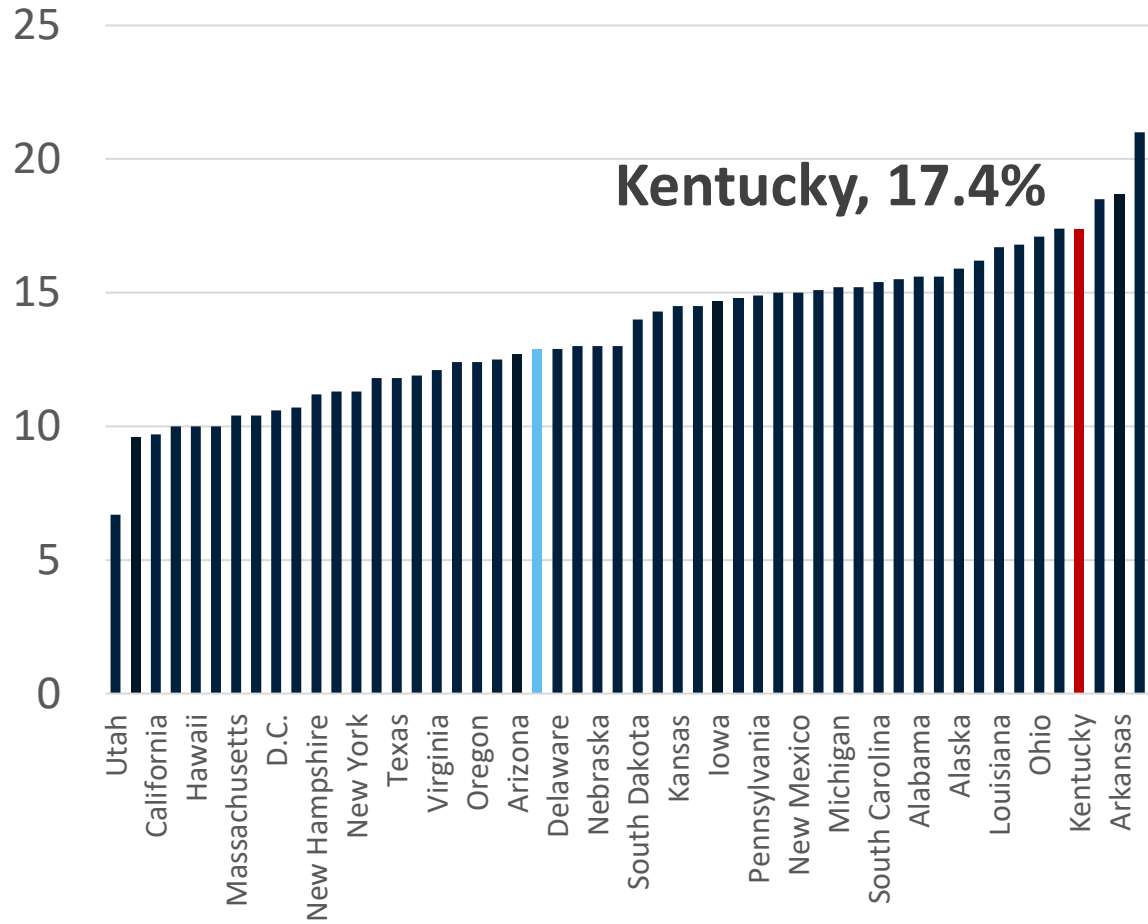


Source: [American Lung Association](#)

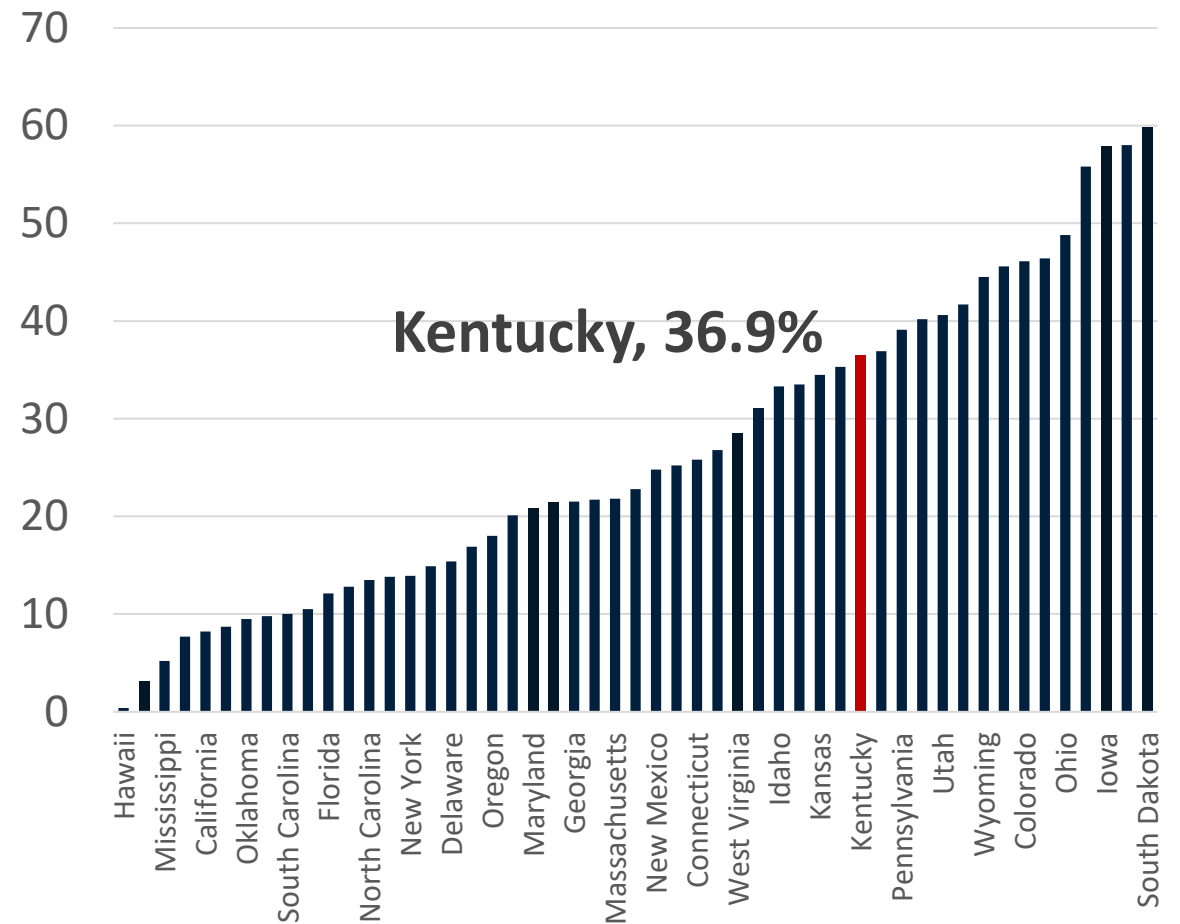


# 2024 State Rankings By...

## Percent Adults Who Smoke



## Percent Radon Tests $\geq$ EPA Action



Source: [American Lung Association](https://www.lung.org)

# State of Lung Cancer in Kentucky (2023)



## Screening

Ranks 2 out of 51



## Medicaid

Fee-for-Service Coverage



## Early Diagnosis

Ranks 38 out of 47



## Survival

Ranks 39 out of 42



## Adult Smoking

Ranks 48 out of 51



## New Cases

Ranks 48 out of 48

Source: American Lung Association. State of Lung Cancer (2023).

# Lung Cancer Screening Eligibility



Age



- 50 to 80 years old

*and*



Smoking Status



- Currently smokes, or
- Quit in the past 15 years

*and*



Pack-Year



- 20 pack-year history

# Pack Years

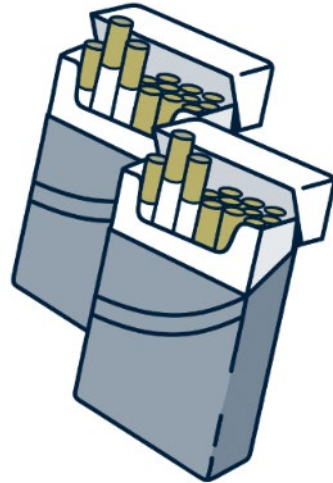
Pack years are calculated as the number of packs of cigarettes smoked per day multiplied by the number of years the person smoked.



**20** years



**20**  
pack years



**10** years



**20**  
pack years

# Low-Dose CT Scans

- Quick
- Painless
- No prep needed
- 1/5 the radiation of a regular CT scan



Image: [Roy Castle Lung Cancer Foundation](#)

# Lung Cancer Screening Locator Tool

[www.acr.org/Clinical-Resources/Lung-Cancer-Screening-Resources/LCS-Locator-Tool](http://www.acr.org/Clinical-Resources/Lung-Cancer-Screening-Resources/LCS-Locator-Tool)

Search By ZIP Code Within Find Locations

ZIP Code 40601 25 miles

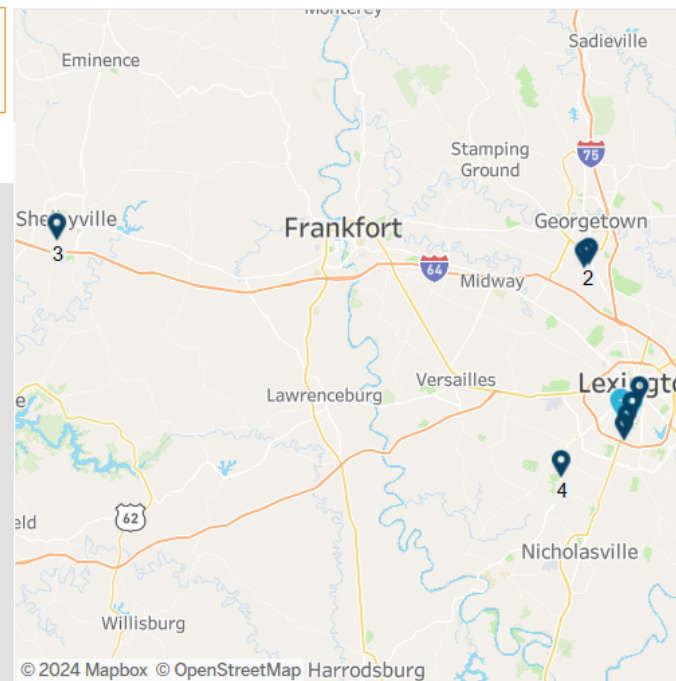
12 locations found

- Baptist Health Lexington-Georgetown  
17 miles

206 Bevins Ln  
Georgetown, KY 40324-6130  
502-570-5525
- Georgetown Community Hospital  
17 miles

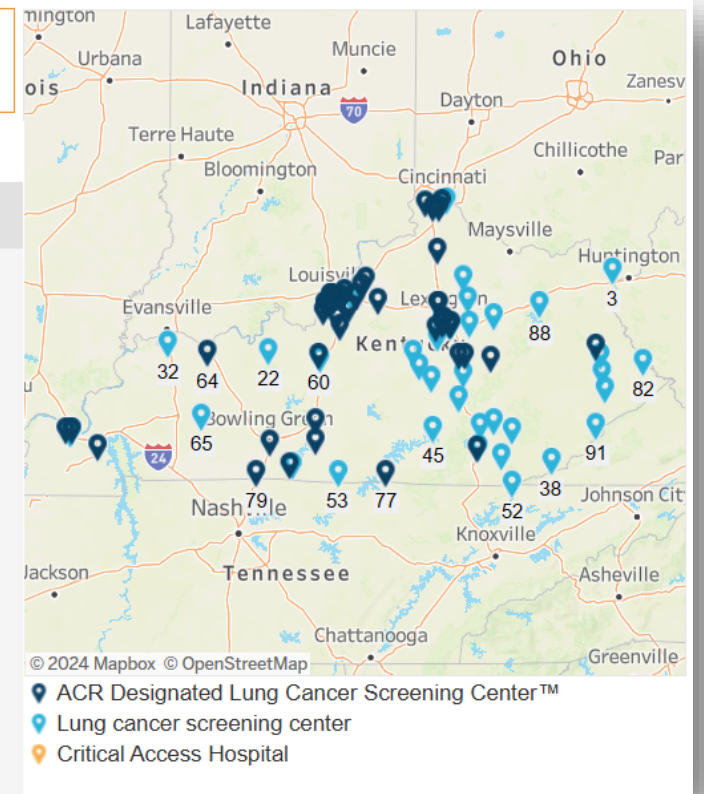
1140 Lexington Rd  
Georgetown, KY 40324-9330  
000-000-0000
- U of L Jewish Hosp Shelbyville  
20 miles

727 Hospital Dr  
Shelbyville, KY 40065-1660  
502-647-4188



Search By State State Kentucky Click to download

91 locations found



Screenshots: [American College of Radiology](http://www.acr.org)

# Benefits & Risks of Screening

## Benefits

Screening finds over half of lung cancer at an early stage when it is more curable, compared to only about 25% without screening.



## Risks

There is a low radiation exposure risk. The amount is about the same as what an average American gets in six months of natural background radiation.

Image: [CDC](#)

# Lung Cancer Screening Program Objectives



## Screening

Increase lung cancer screening.



## Mortality

Reduce morbidity and mortality from lung cancer.



## Cost

Reduce healthcare costs associated with the treatment of lung cancer.



# Lung Cancer Screening Program Progress



# Lung Cancer Screening Program Activities

## Ask your provider about lung cancer screening

Lung cancer can be treated if caught early!



### You are eligible for screening if:

- 50** You are **50 to 80** years old
- 20** You smoked a pack of cigarettes a day for **20** years
- 15** You currently smoke or quit within the past **15** years

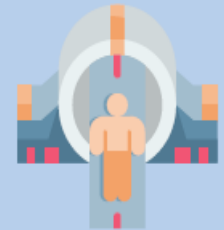
Lung Cancer Screening is easy

- Covered by most insurance (Medicare 50 - 77)
- Quick and painless
- No needles, IVs or dyes
- Get screened every year to catch cancer early

## Lung Cancer Screening What you need to know

### Who can get screened?

- ✓ Ages 50 to 80 years old
- ✓ 20 pack year smoking history (a pack a day for 20 years or equivalent)
- ✓ Currently smoking or have quit within past 15 years



### What is a low-dose CT scan like?



- ✓ Quick and painless
- ✓ No needles, IV or dye
- ✓ Covered by most insurance (Medicare covers 50-77)

### What happens next?

- ✓ Your provider or team reviews the scan results
- ✓ You talk with your provider or navigator
- ✓ Keep getting scanned every year

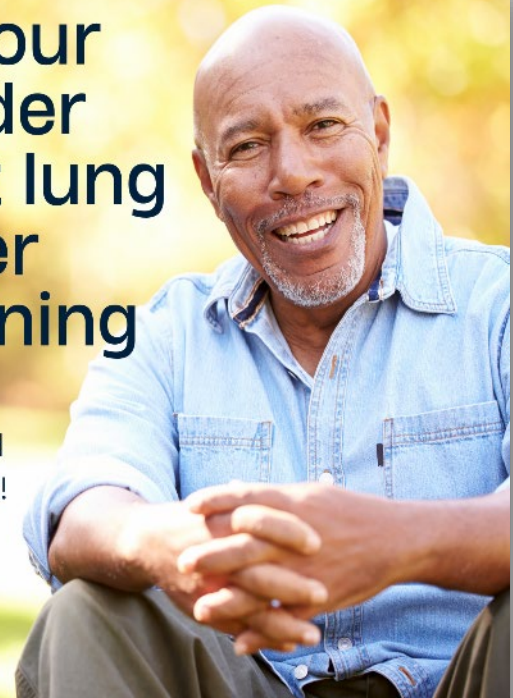


Kentucky Department for Public Health  
Lung Cancer Screening Program  
LungCancer@ky.gov



## Ask your provider about lung cancer screening

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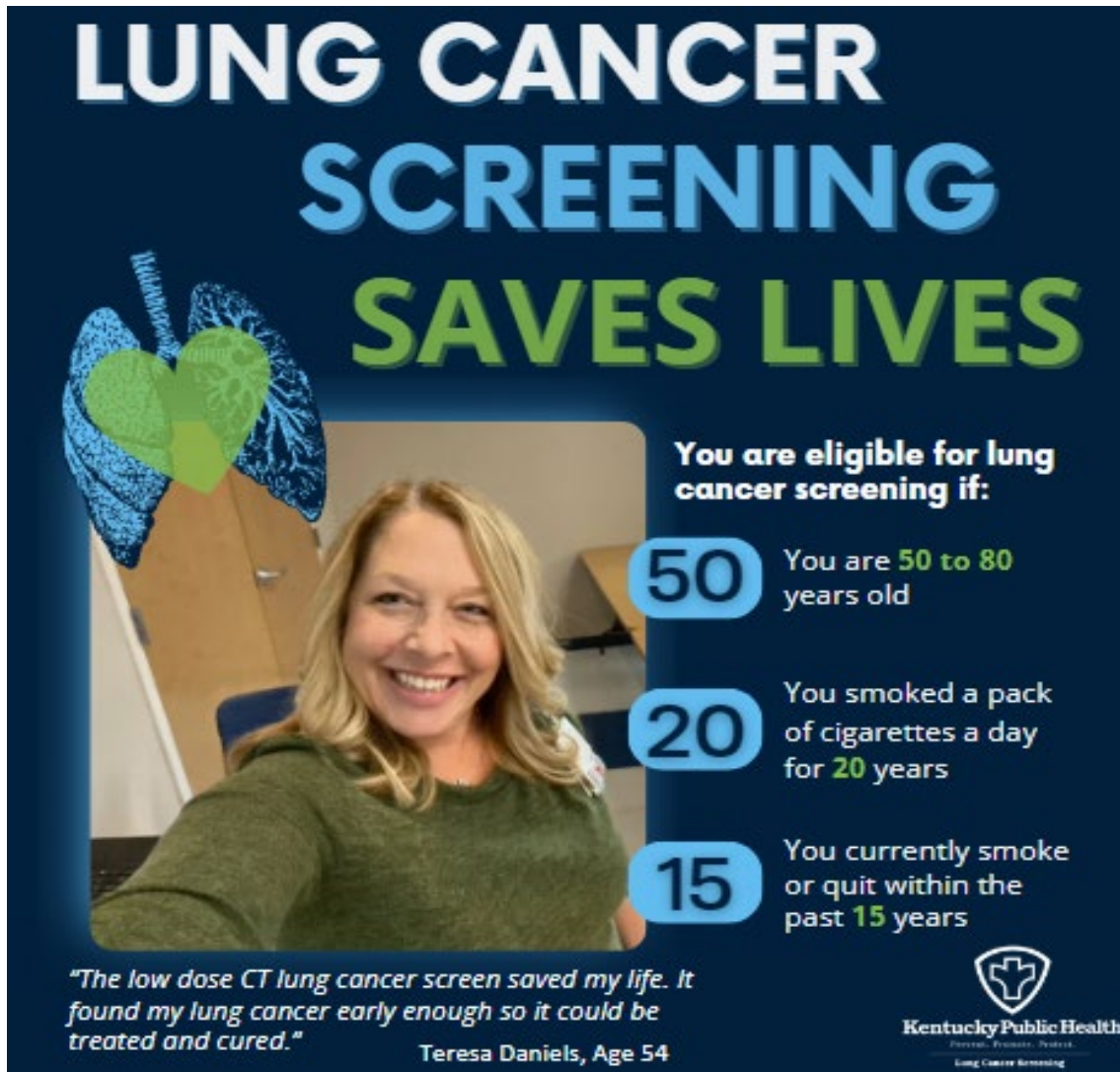
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# Lung Cancer Screening Program Activities



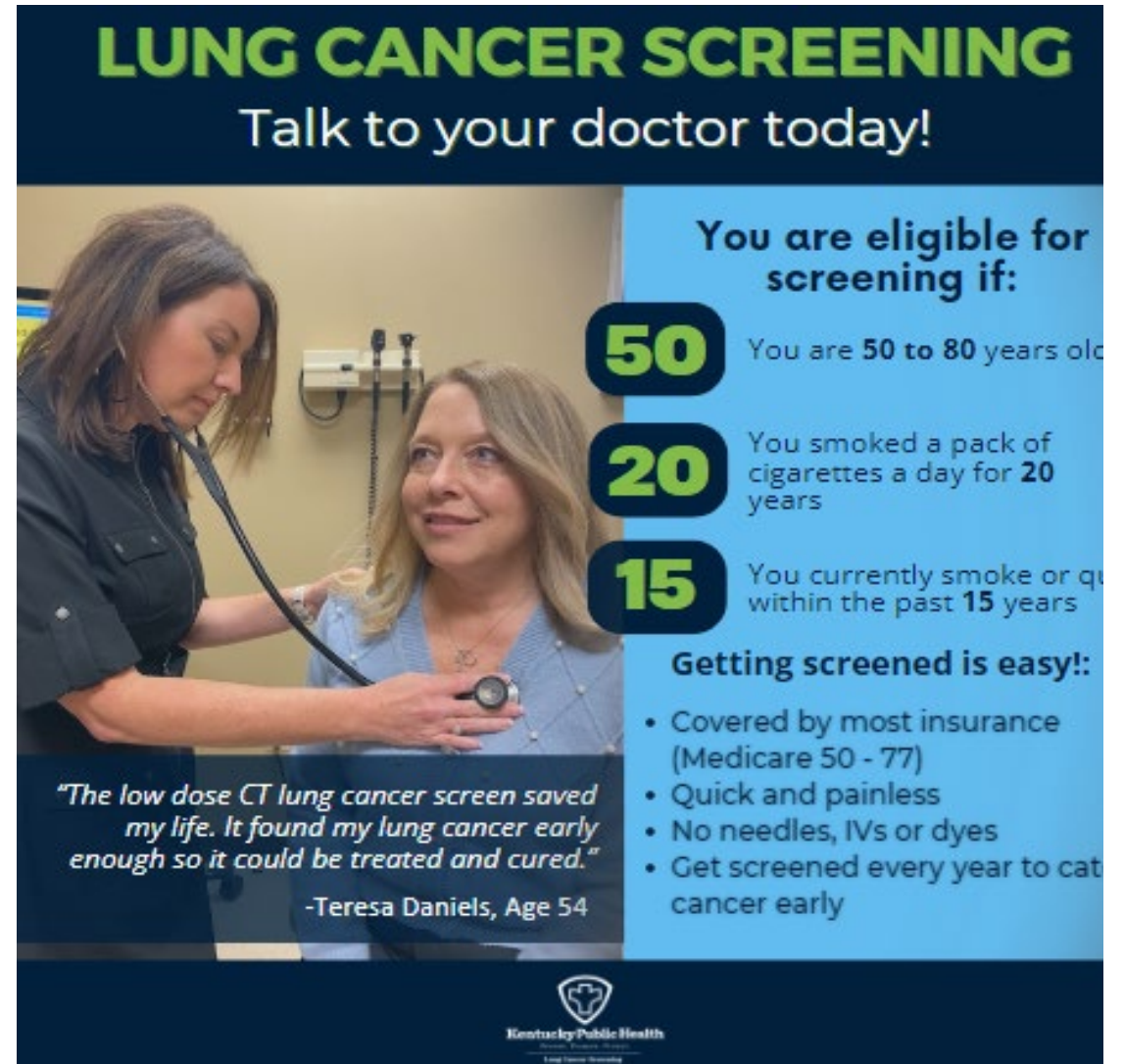
**LUNG CANCER SCREENING SAVES LIVES**

**You are eligible for lung cancer screening if:**

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*"The low dose CT lung cancer screen saved my life. It found my lung cancer early enough so it could be treated and cured."*  
Teresa Daniels, Age 54

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Lung Cancer Screening



**LUNG CANCER SCREENING**  
Talk to your doctor today!

**You are eligible for screening if:**

- 50** You are **50 to 80** years old
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- 15** You currently smoke or quit within the past **15** years

**Getting screened is easy!:**

- Covered by most insurance (Medicare 50 - 77)
- Quick and painless
- No needles, IVs or dyes
- Get screened every year to catch cancer early

*"The low dose CT lung cancer screen saved my life. It found my lung cancer early enough so it could be treated and cured."*  
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# Lung Cancer Screening State Actions



# 2024-2025 Projects



## KY Cancer Link

Increase screening for eligible Kentucky residents who are not covered per current CMS guidelines and are at or below 300% federal poverty guidelines.



## KY Cancer Program – West

Serve community-specific needs to provide information on lung cancer screening.

## KY Cancer Program – East



Improve provider and community stakeholder knowledge of screening guidelines.



## UK Communication

Social marketing strategy understanding differentiated audience segments.



## QUILS

(Quality Implementation of Lung Cancer Screening) Monitor, inform and promote best practices in lung cancer screening.



## EKU – Evaluation Plan



Evaluate efforts and make recommendations.

## KY Cancer Consortium



Educate health care professionals, payers, and systems to promote best practice lung cancer screening.

# Thank you!

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