

A diverse group of people, including men and women of various ethnicities, are seated in an audience. In the foreground, a woman with dark curly hair, wearing a blue sleeveless top, is smiling and raising her right hand. Other people in the background are looking towards the front of the room. The setting appears to be a lecture hall or a community meeting with a brick wall in the background.

# 2019 Community Cancer Needs Assessment Toolkit

Vanderbilt-Ingram Cancer Center (VICC)  
Meharry Medical College-Vanderbilt-Ingram  
Cancer Center-Tennessee State University  
Cancer Partnership (MVTCP)

# Guidebook

## You Can ✓

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- Distribute

## You Cannot ✗

- Remove or edit logos at the bottom of the slide/image

\*When presenting this information, please keep in mind:

All data pertains to the VICC Catchment Area, which includes 123 counties encompassing the entire state of TN, 23 counties in western KY, and 5 counties in northern AL.



# VICC Catchment Area







➡ **123**  
COUNTIES





➡ **95**  
TN STATE

➡ **23**  
WESTERN KY

➡ **5**  
NORTHERN AL

# Demographics

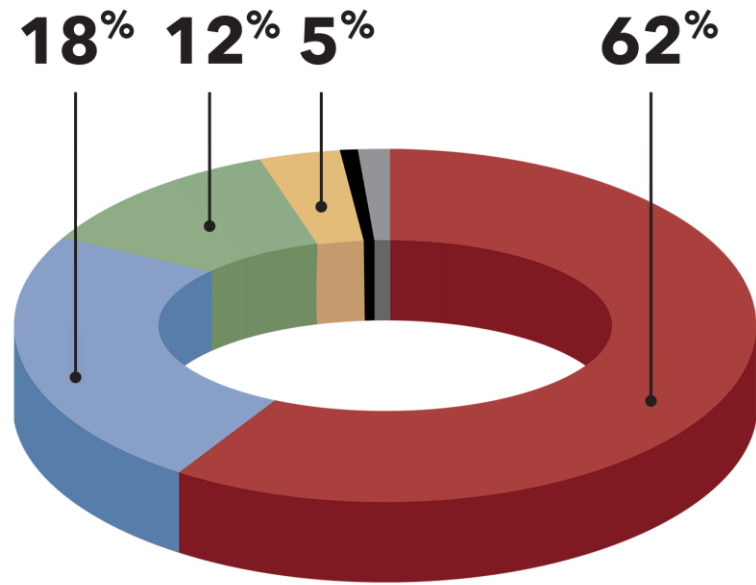
		CATCHMENT AREA	UNITED STATES
	→ Female	51%	51%
	→ Rural Residents	25%	19%
	→ Age 65+	15%	15%
	→ Less Than 18	23%	23%

		CATCHMENT AREA	UNITED STATES
	→ Median Income	\$49,600	\$57,700
	→ Education High School or Less	31%	27%
	→ Poverty	16%	14%
	→ Foreign Born	5%	13%



— Key —  
**RACE AND ETHNICITY**

- White
- Hispanic
- Black
- Asian
- Other
- 2+ Races



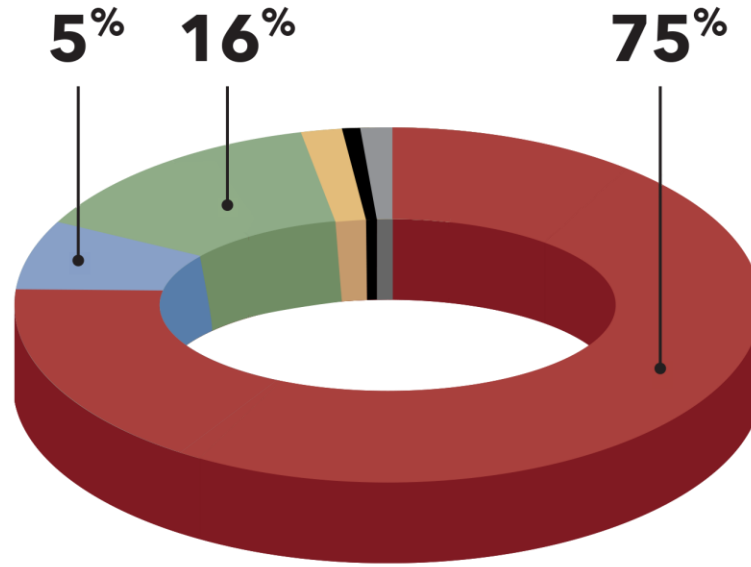
**USA**

→ **POPULATION**

➡ **321.0** MILLION

— Key —  
**RACE AND ETHNICITY**

- White
- Hispanic
- Black
- Asian
- Other
- 2+ Races



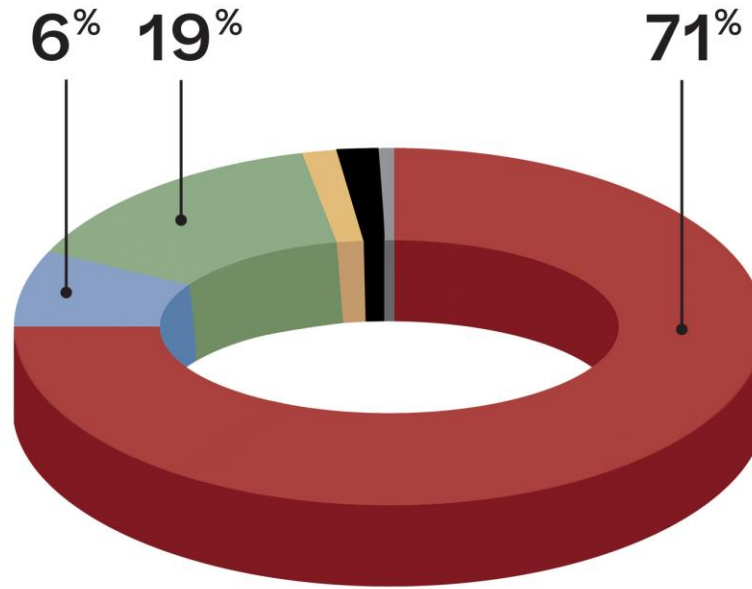
# Catchment Area

→ **POPULATION**

➤ **7.9** MILLION

— Key —  
RACE AND ETHNICITY

- White
- Hispanic
- Black
- Asian
- Other
- 2+ Races



# Urban Counties

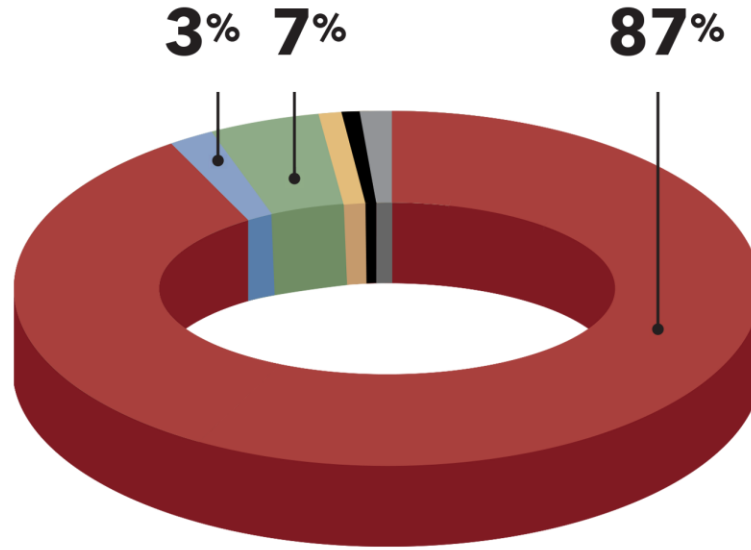
→ POPULATION

→ 5.9 MILLION



— Key —  
**RACE AND ETHNICITY**

- White
- Hispanic
- Black
- Asian
- Other
- 2+ Races



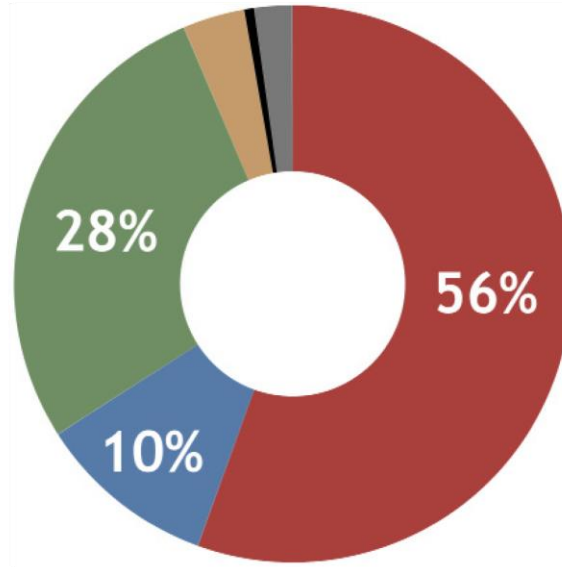
# Rural Areas

→ POPULATION

➤ 2.0 MILLION

— Key —  
**RACE AND ETHNICITY**

- White
- Hispanic
- Black
- Asian
- Other
- 2+ Races



# Nashville

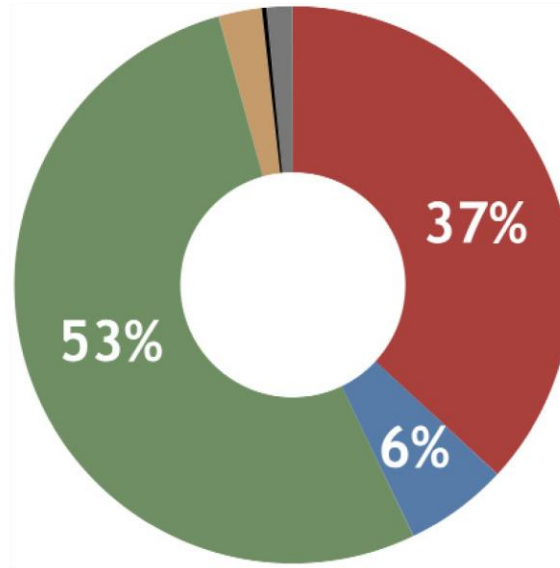
DAVIDSON COUNTY

POPULATION

➔ 654,187

— Key —  
**RACE AND ETHNICITY**

- White
- Hispanic
- Black
- Asian
- Other
- 2+ Races



# Memphis

SHELBY COUNTY

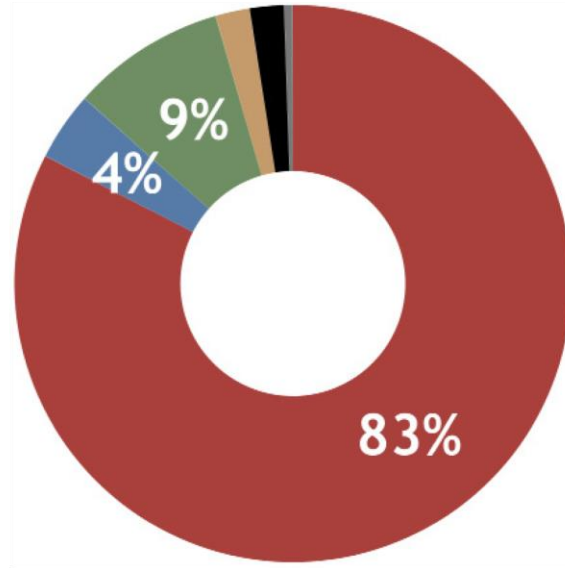
POPULATION

➔ 937,847



— Key —  
**RACE AND ETHNICITY**

- White
- Hispanic
- Black
- Asian
- Other
- 2+ Races



# Knoxville

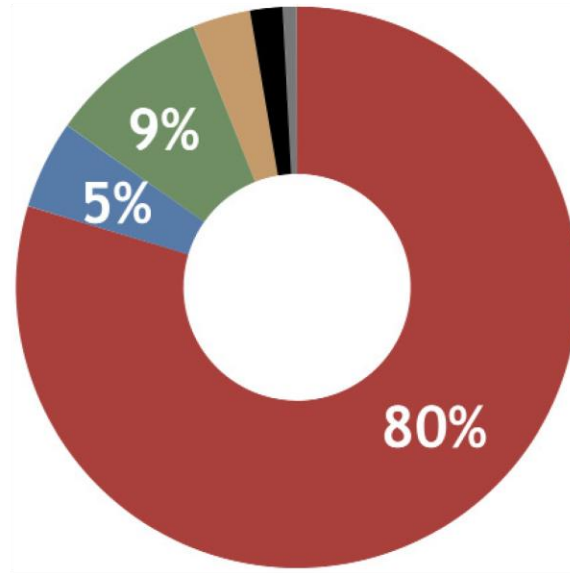
KNOX COUNTY

POPULATION

➔ 452,286

— Key —  
RACE AND ETHNICITY

- White
- Hispanic
- Black
- Asian
- Other
- 2+ Races



# Bowling Green

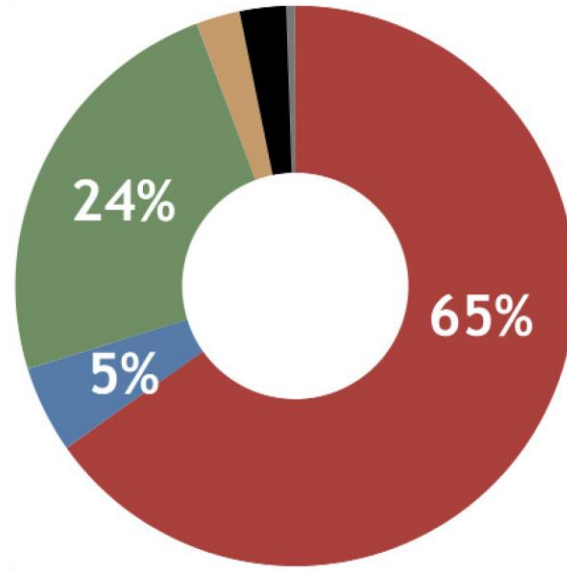
WARREN COUNTY

POPULATION

➔ 123,824

— Key —  
**RACE AND ETHNICITY**

- White
- Hispanic
- Black
- Asian
- Other
- 2+ Races



# Huntsville

MADISON COUNTY

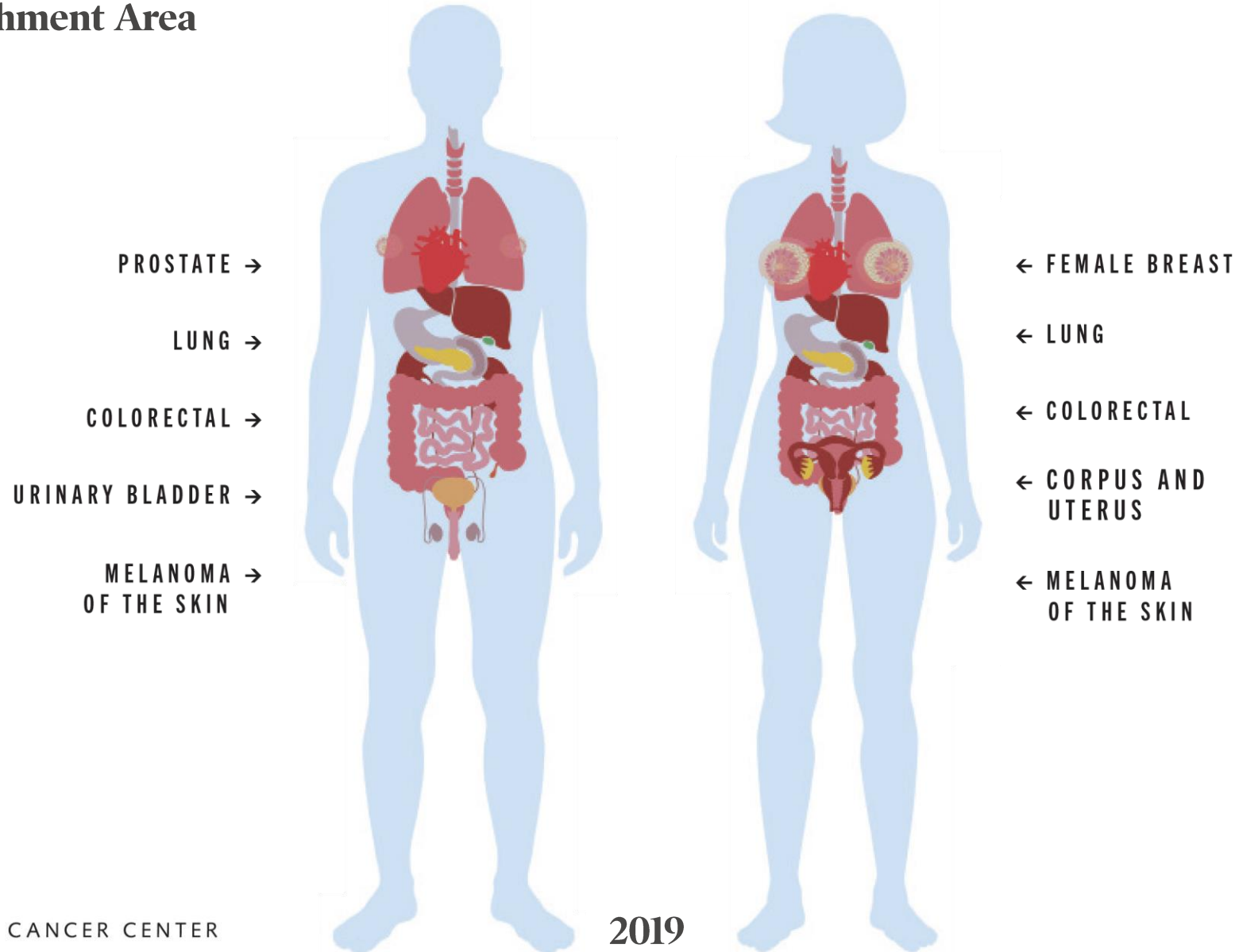
POPULATION

➔ 353,213



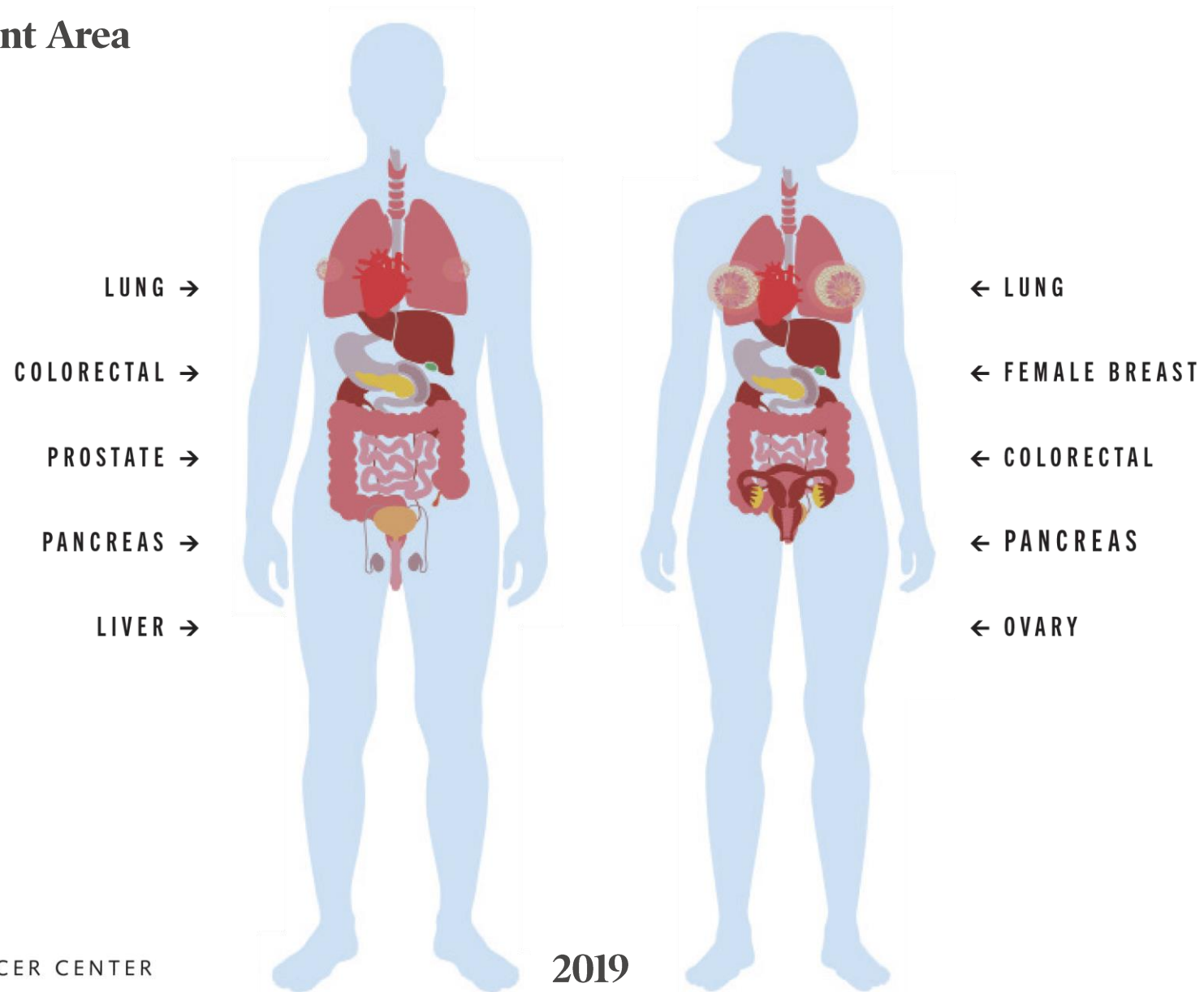
# Cancer Burden: Most Common Cancers

## In the Catchment Area



# Cancer Burden: Most Common Deaths from Cancer

In the Catchment Area



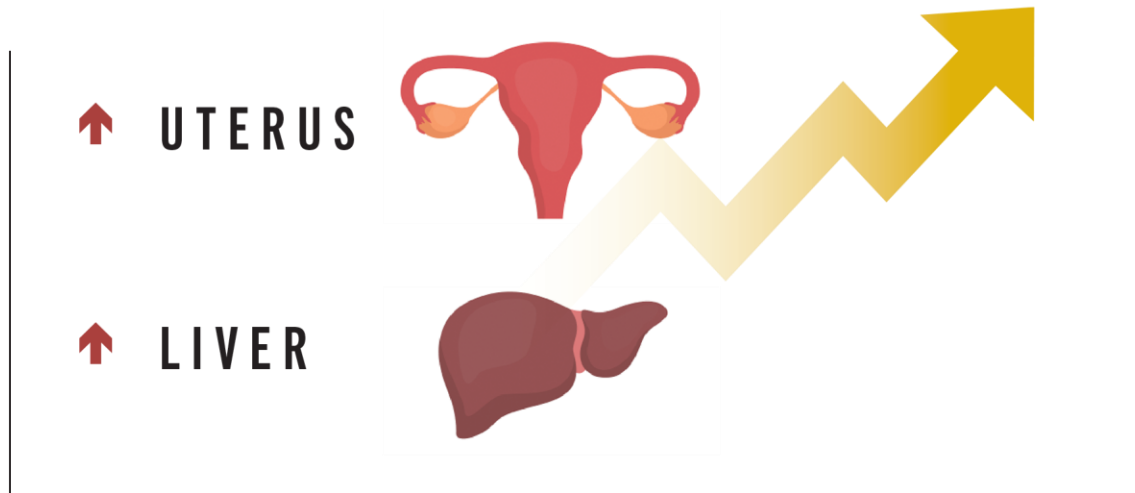
# Cancers with Higher Mortality

In the Catchment Area vs the U.S.



# Cancers with Rising Mortality Trends In the Catchment Area

## ALSO RISING IN THE USA



NOT  
RISING IN  
THE U.S.

- Esophagus
- Melanoma of the Skin
- Pancreas
- Urinary Bladder

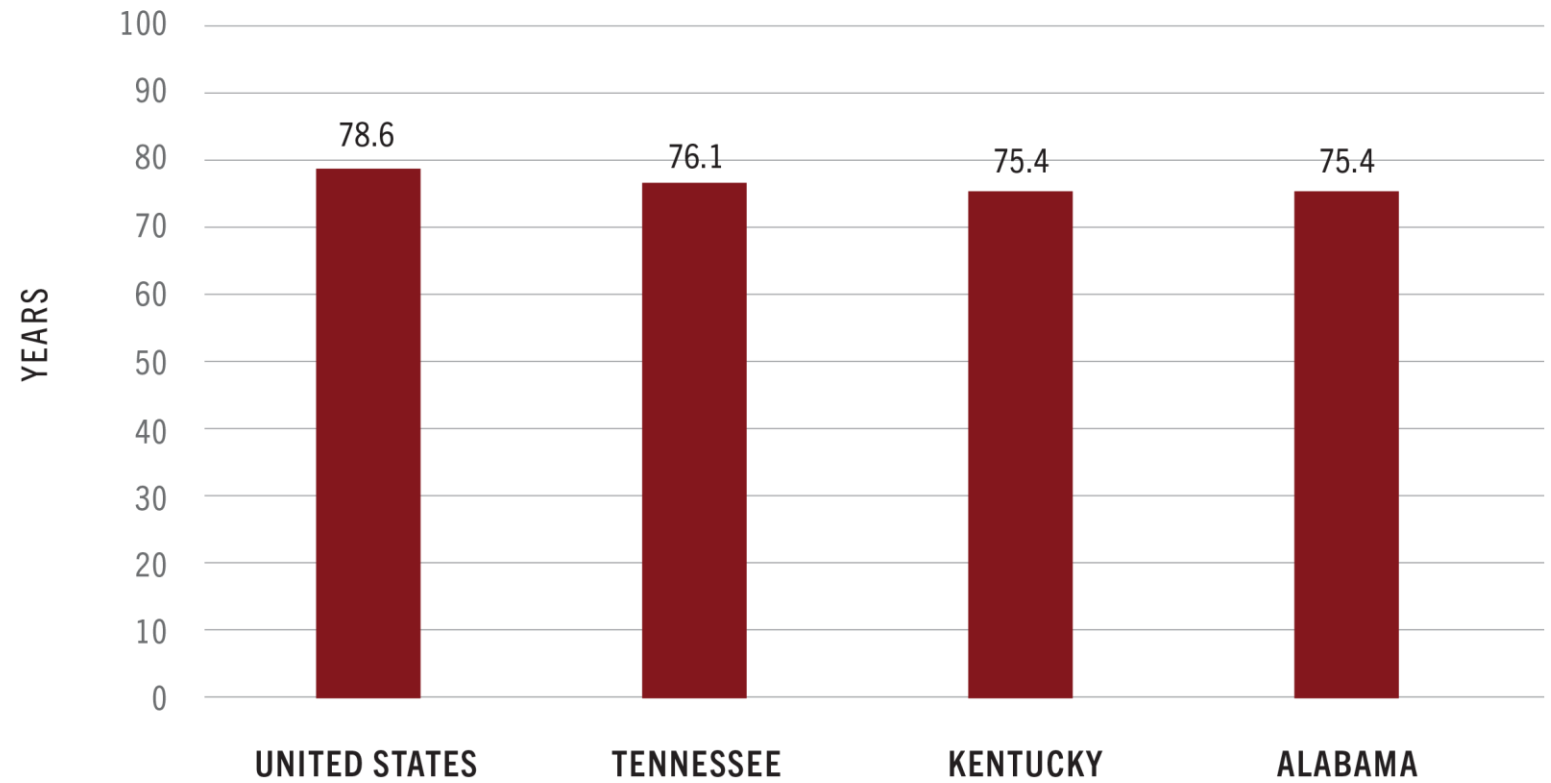
# Catchment Area Life Expectancy

➤ **78.6**  
UNITED STATES

➤ **76.1**  
TENNESSEE

➤ **75.4**  
KENTUCKY

➤ **75.4**  
ALABAMA

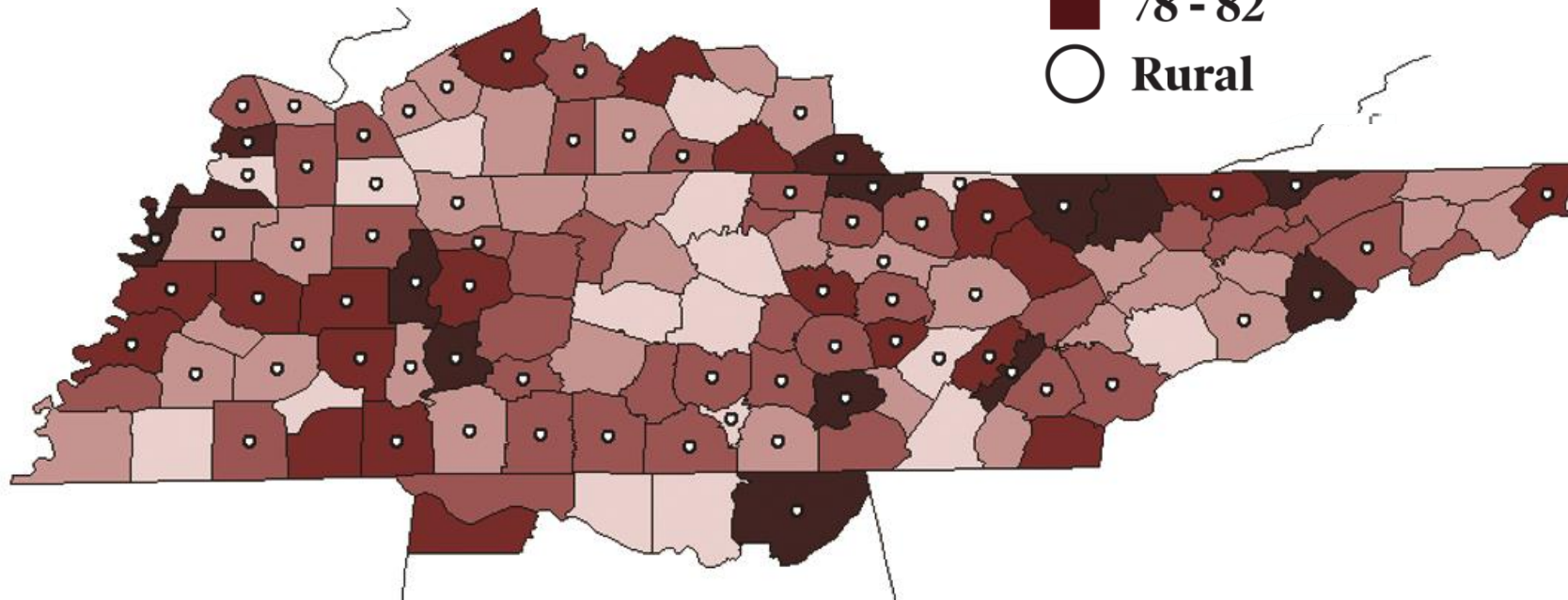


# Catchment Area Life Expectancy

Key

Years of Age

- 71 - 73
- 74
- 75
- 76 - 77
- 78 - 82
- Rural



# Racial and Ethnic Disparities

## In the Catchment Area

### Blacks Higher than Whites

- ↑ Breast
- ↑ Cervix
- ↑ Colon & Rectum
- ↑ Kidney
- ↑ Pancreas
- ↑ Prostate
- ↑ Stomach
- ↑ Uterus

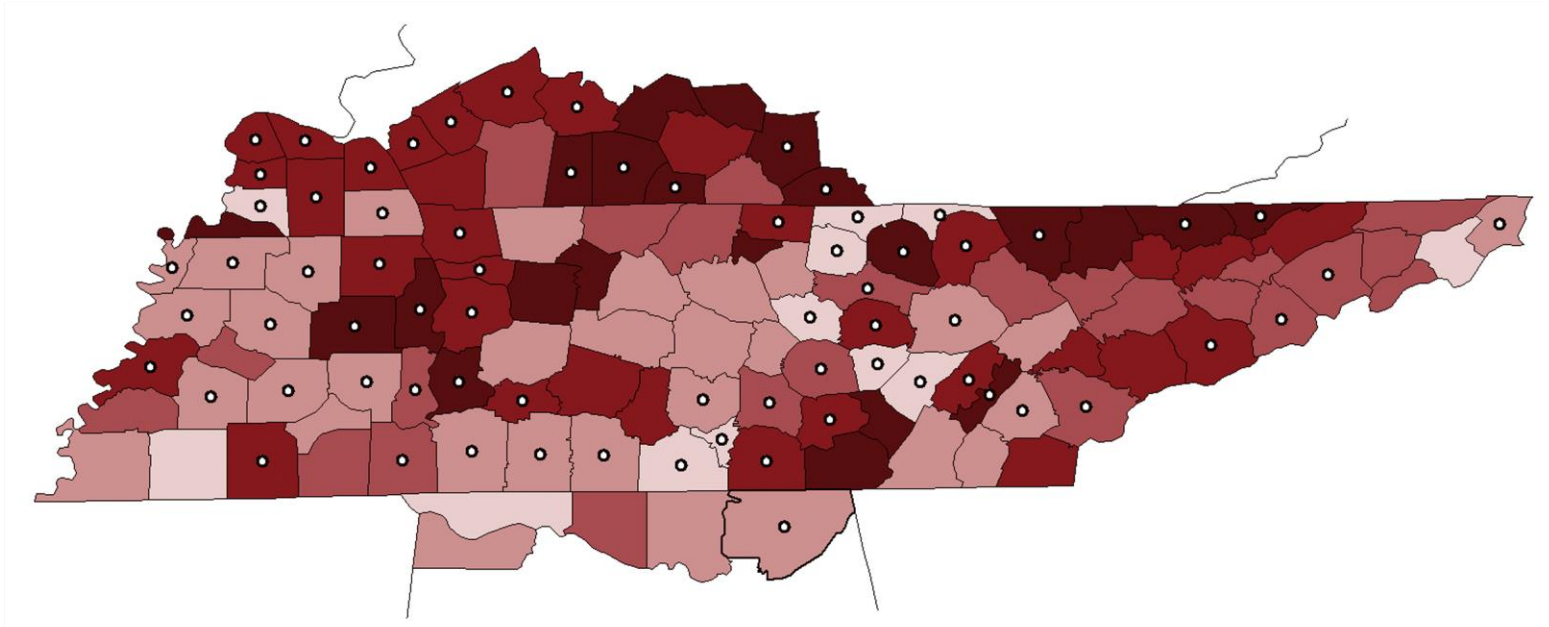


### Hispanics Higher than Non-Hispanic Whites

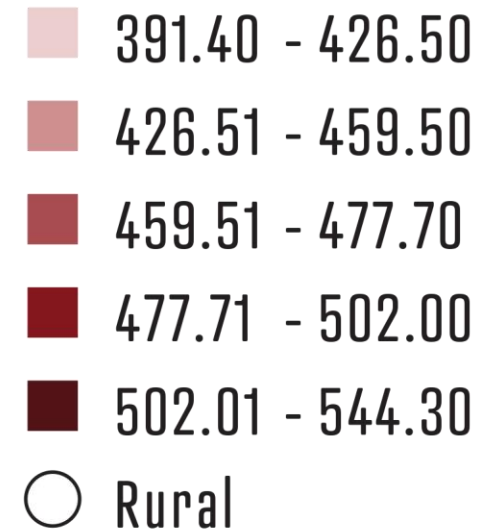
- ↑ Cervix
- ↑ Childhood
- ↑ Stomach



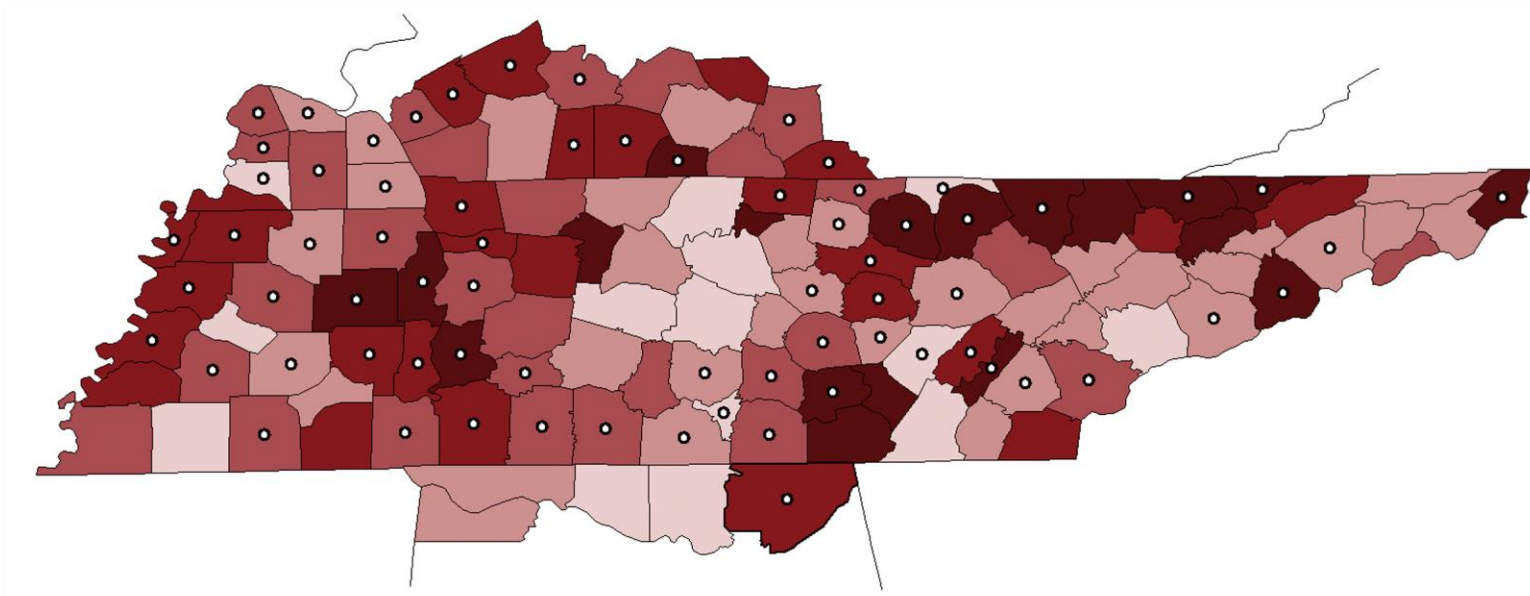
# Overall Cancer Incidence



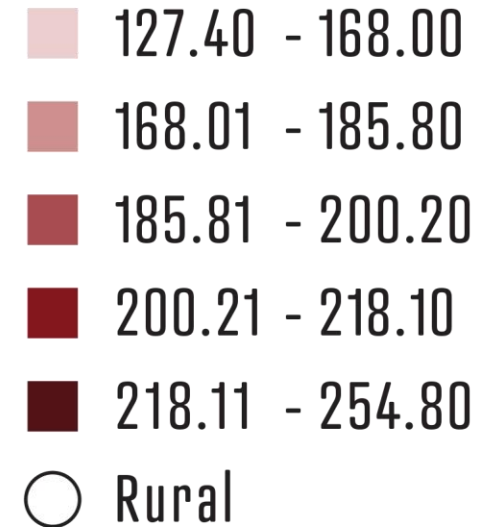
## INCIDENCE RATE:



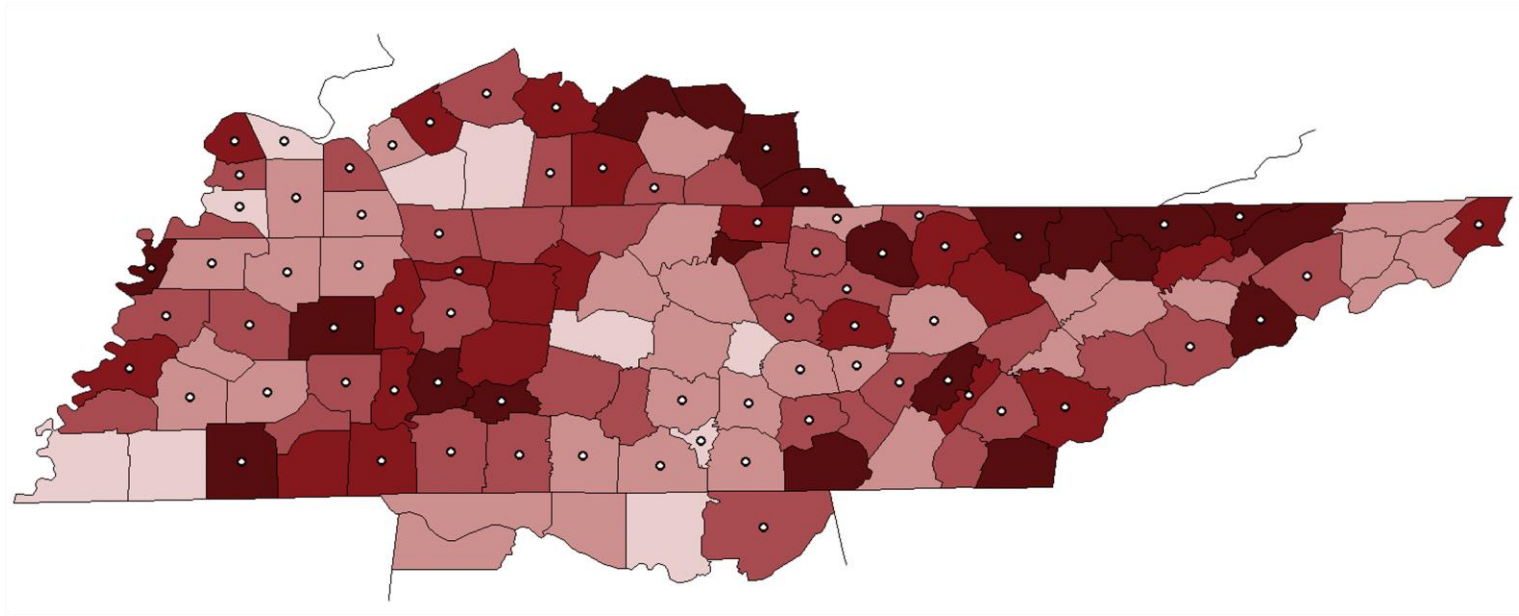
# Overall Cancer Mortality



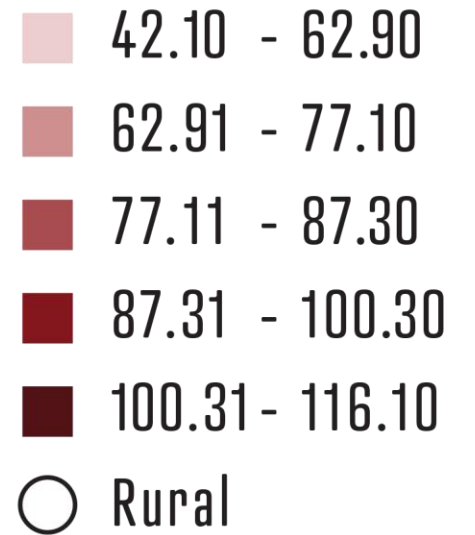
## MORTALITY RATE:



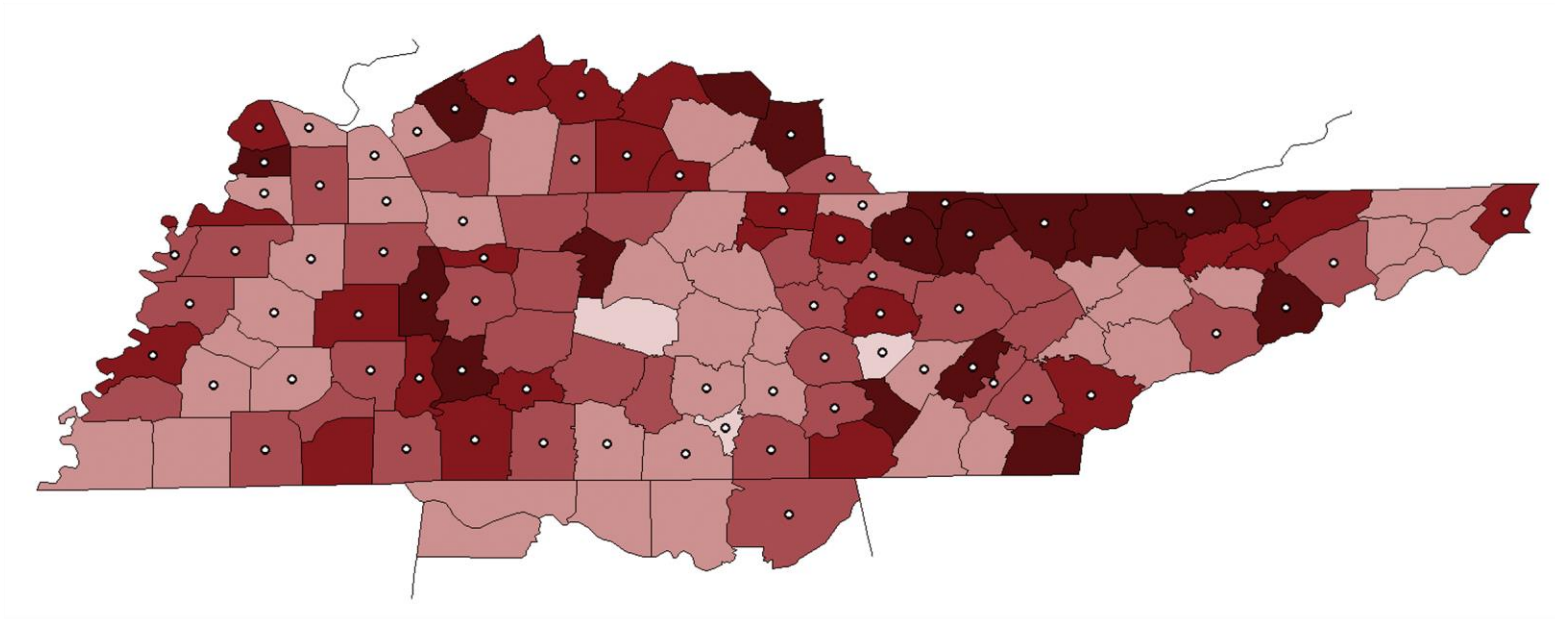
# Lung Cancer Incidence



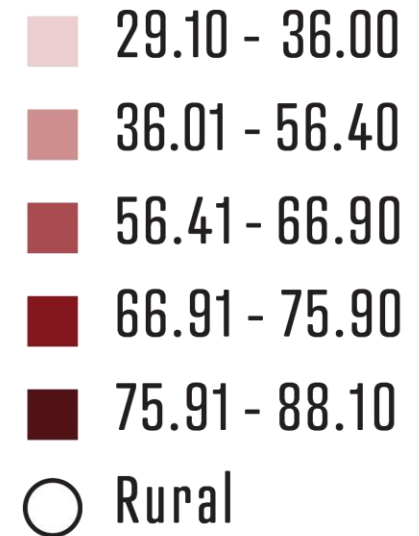
## INCIDENCE RATE:



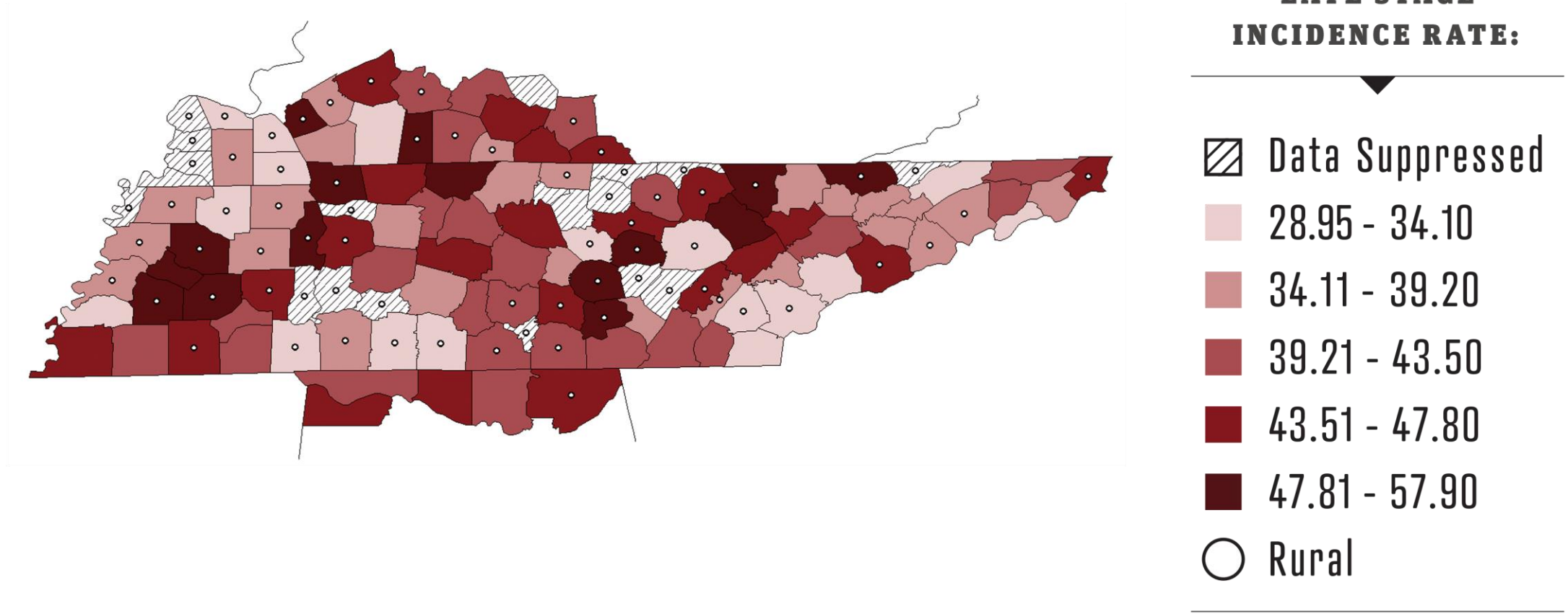
# Lung Cancer Mortality



## MORTALITY RATE:

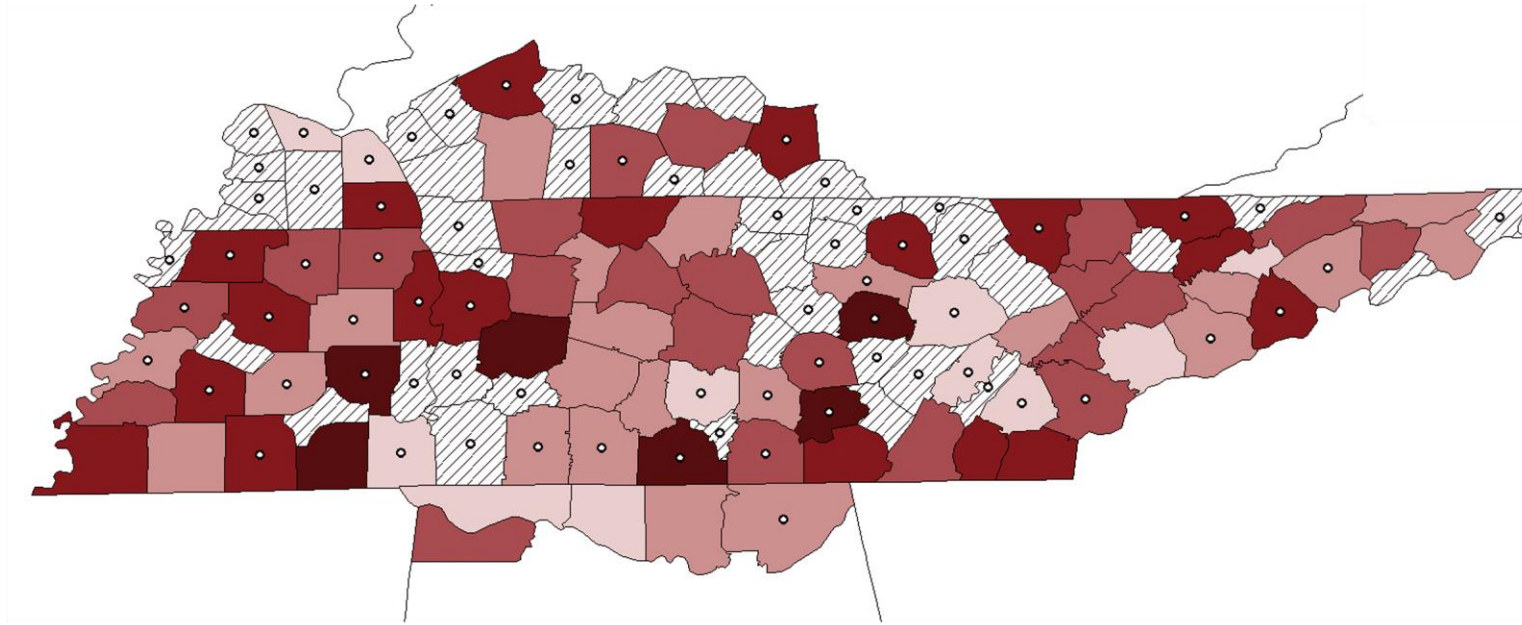


# Late Stage Breast Cancer Incidence

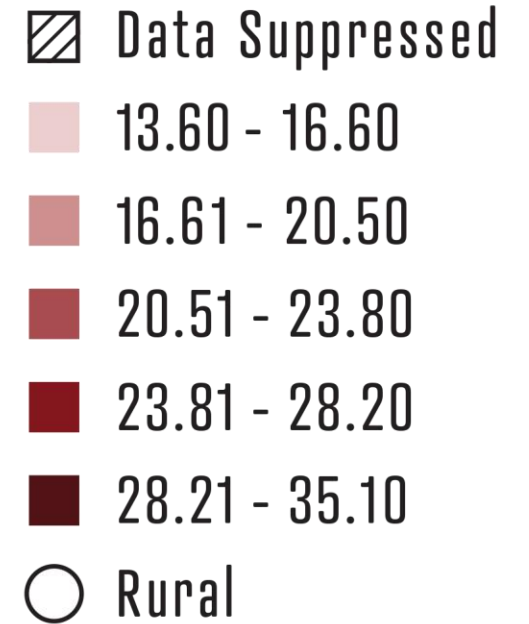




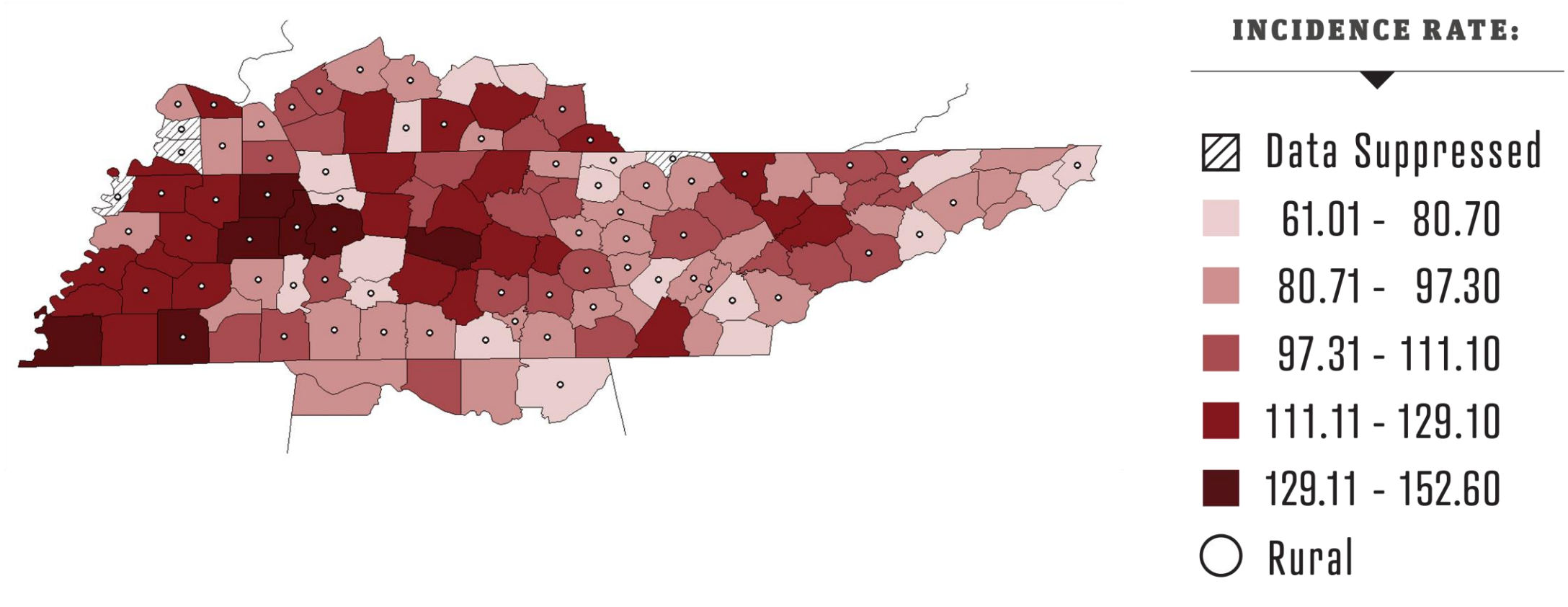
# Breast Cancer Mortality



## MORTALITY RATE:

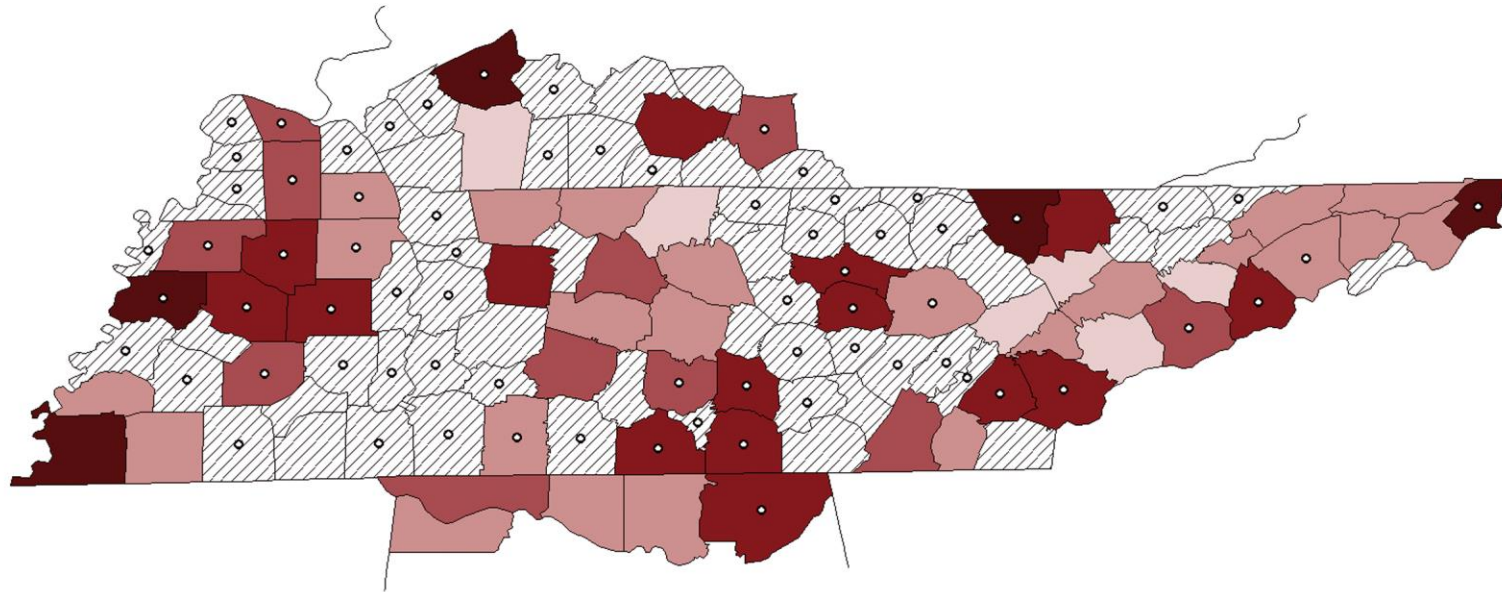


# Prostate Cancer Incidence

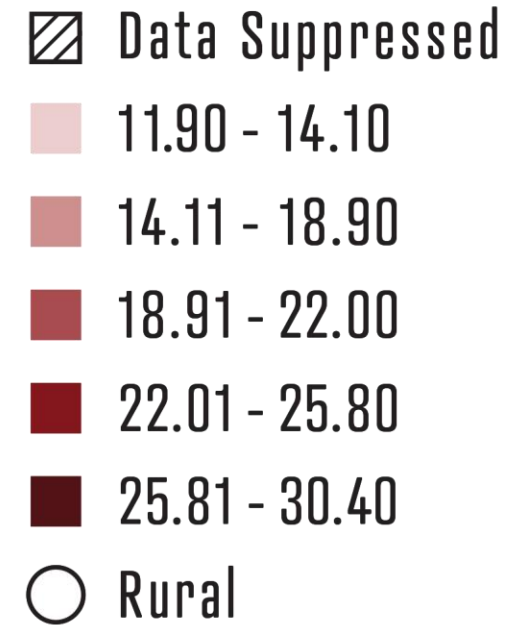




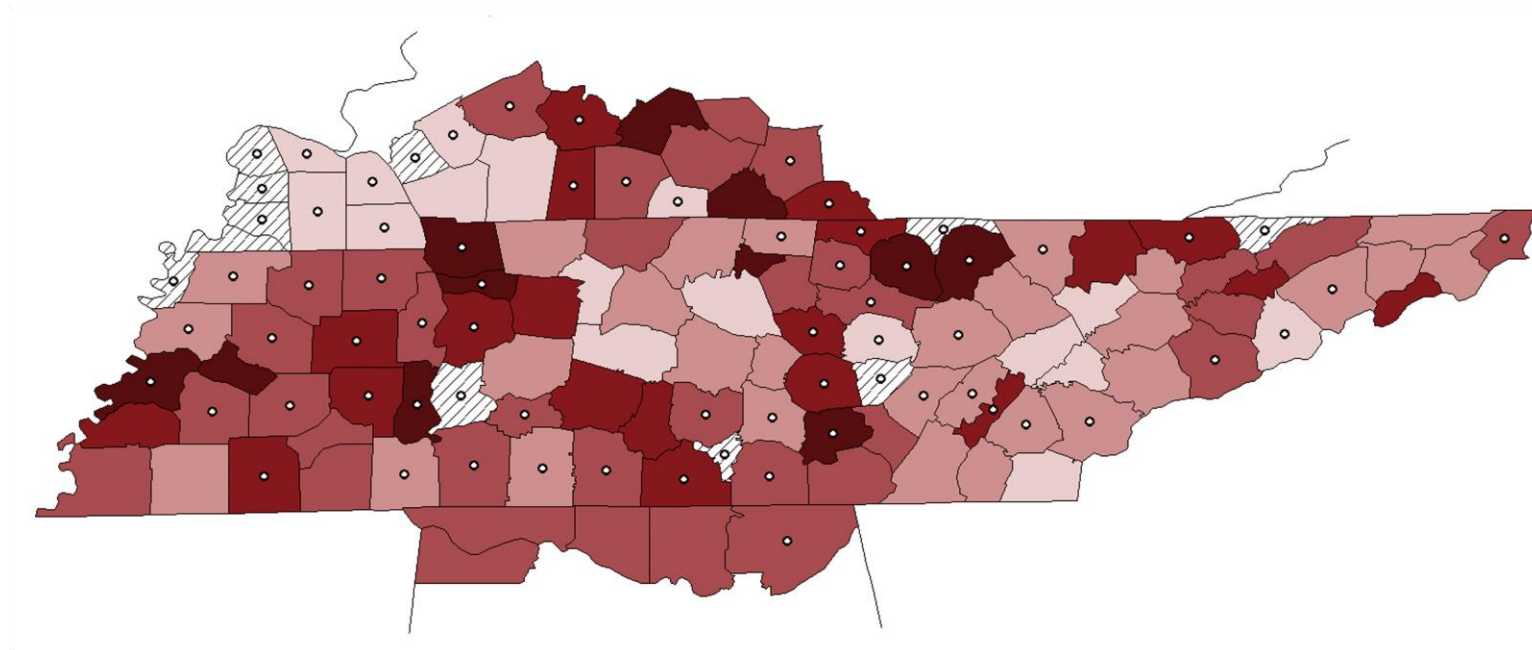
# Prostate Cancer Mortality



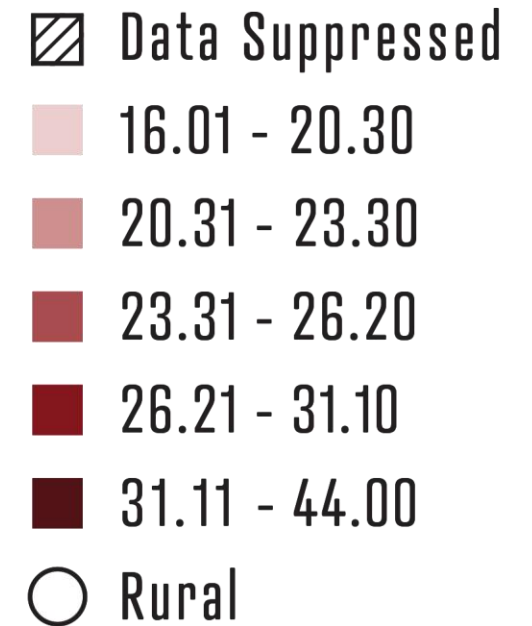
## MORTALITY RATE:



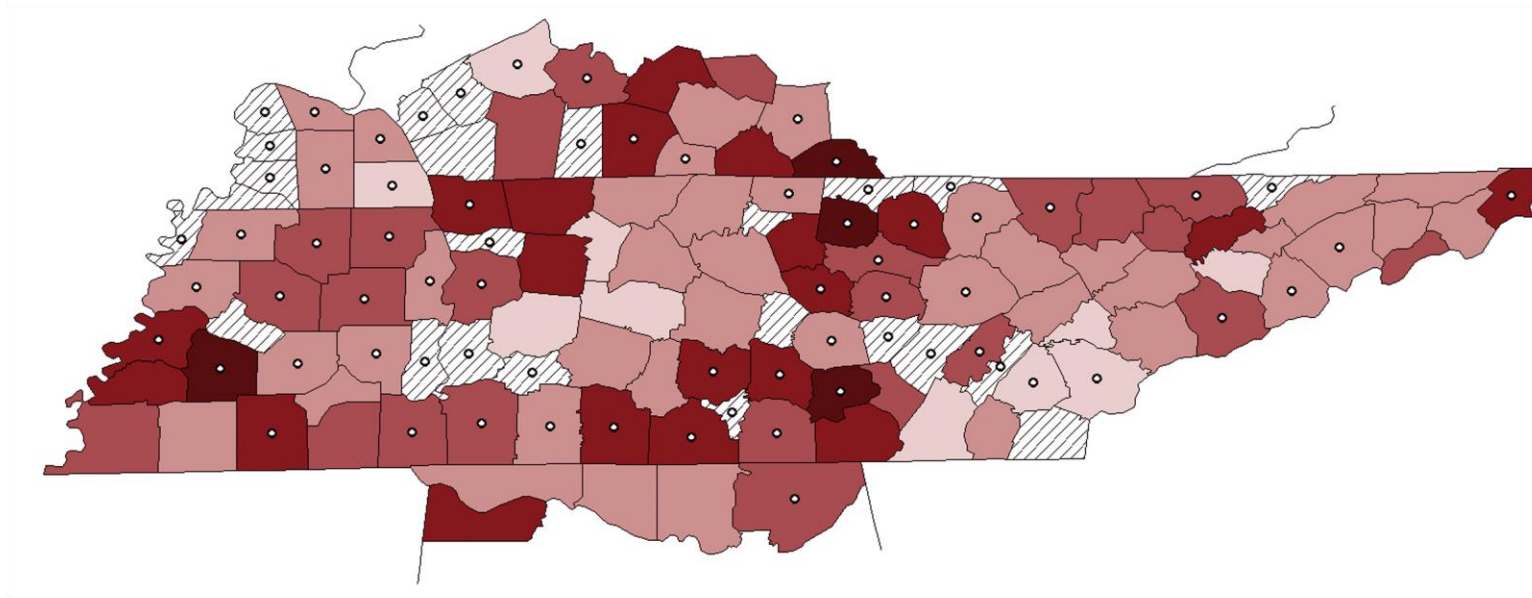
# Late Stage Colorectal Cancer Incidence



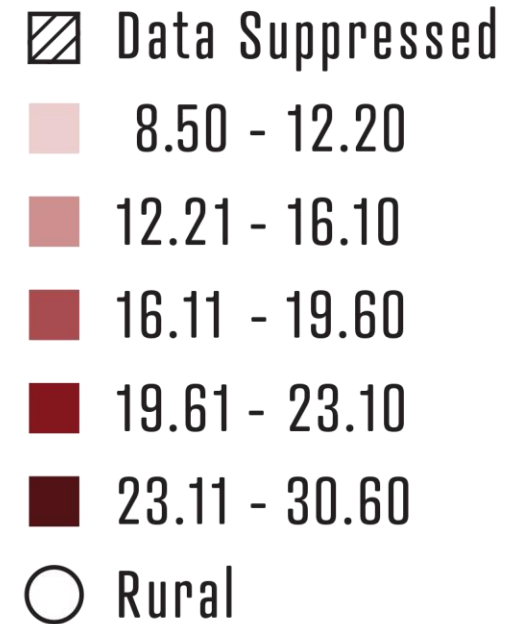
## INCIDENCE RATE:



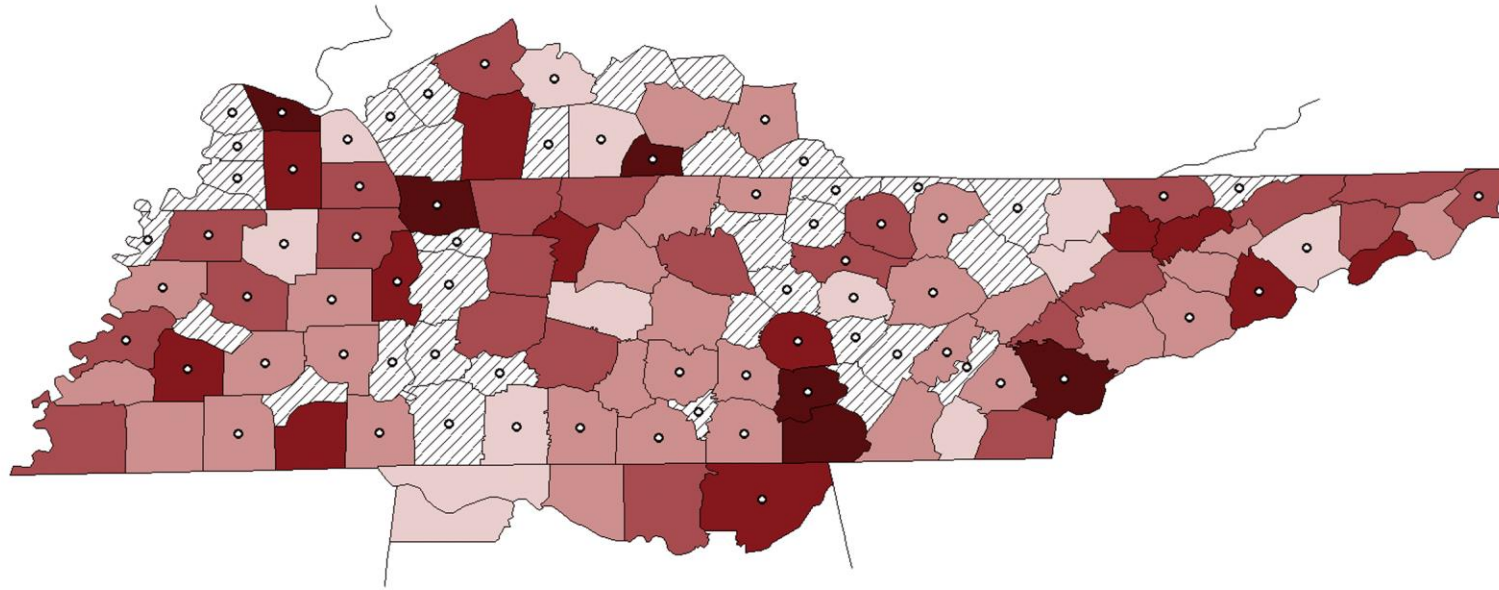
# Colorectal Cancer Mortality



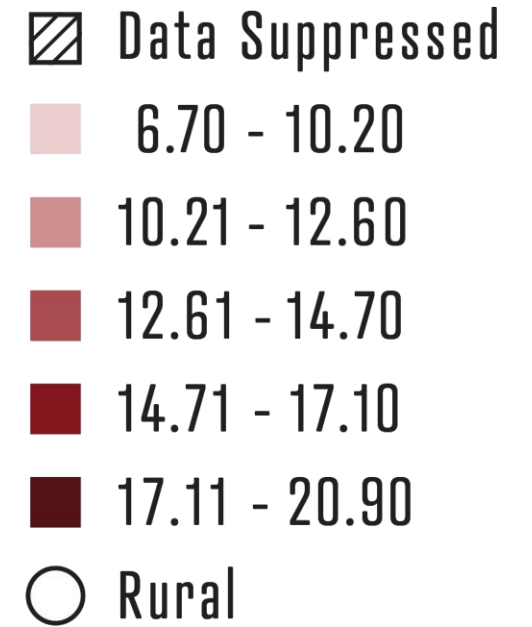
## MORTALITY RATE:



# Pancreatic Cancer Incidence

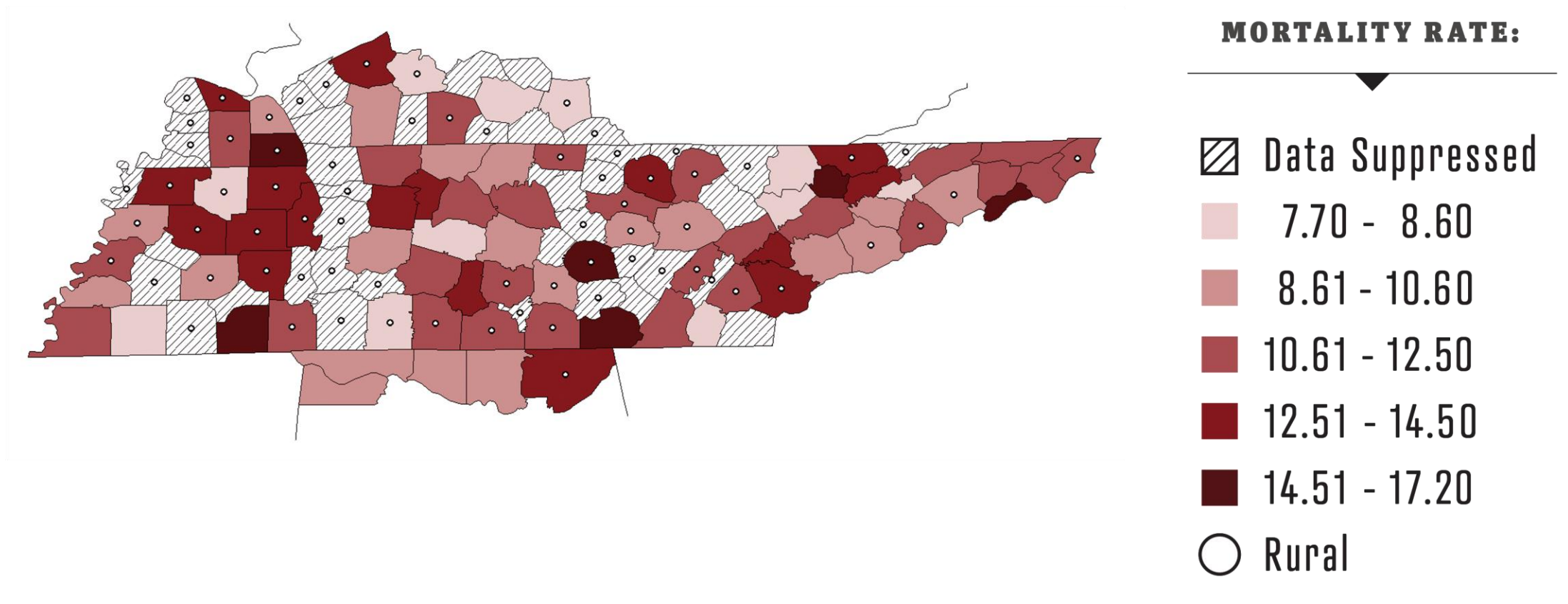


## INCIDENCE RATE:



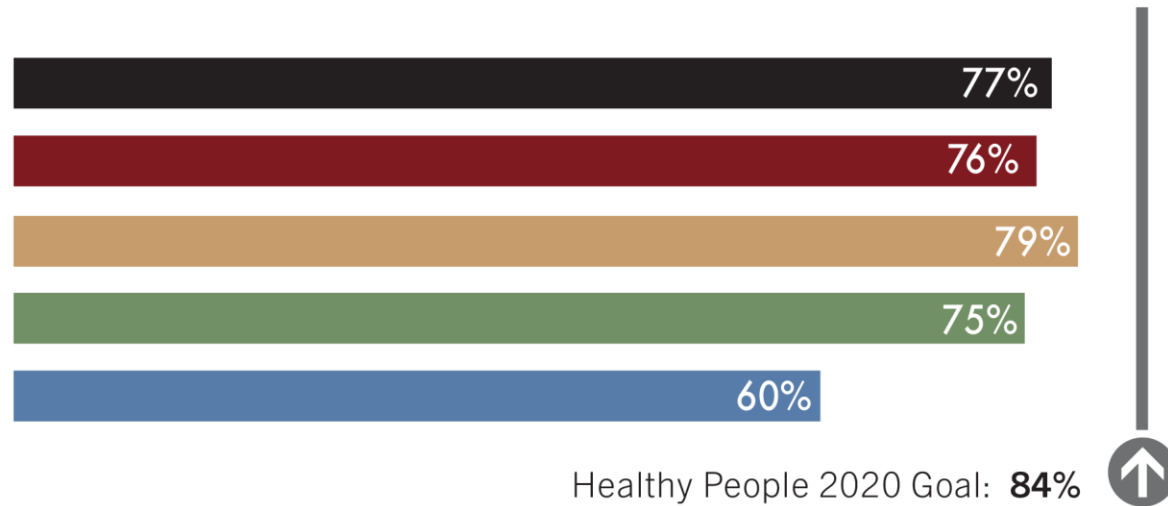


# Pancreatic Cancer Mortality





→ Have a Regular Healthcare Provider



———— Key ————

**United States**

■ Overall

**Catchment Area**

■ Overall

■ White

■ Black

■ Hispanic

Healthy People  
2020 Goals:



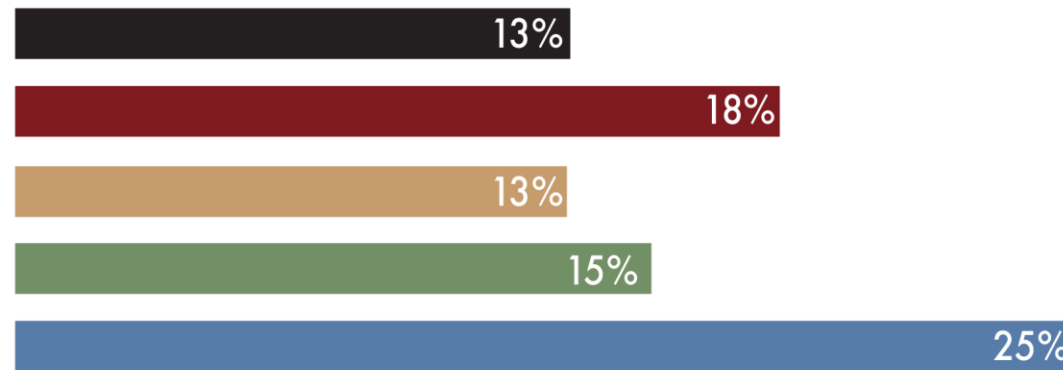
Higher % = Better



Lower % = Better



→ Could Not See A Health Care Provider Because of Cost



No Healthy People 2020 Goal Established

Key

**United States**

■ Overall

**Catchment Area**

■ Overall

■ White

■ Black

■ Hispanic

Healthy People  
2020 Goals:



Higher % = Better

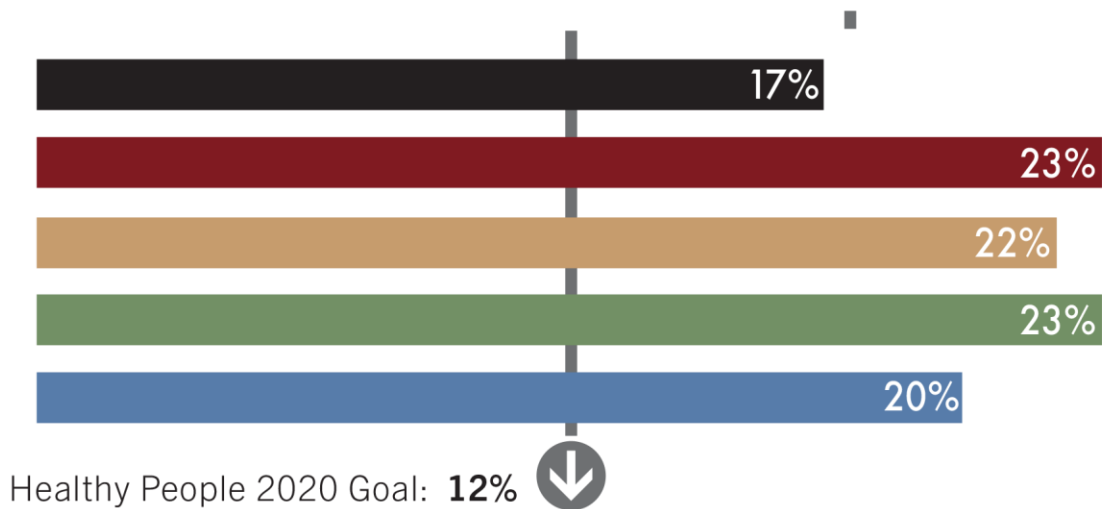


Lower % = Better





## → Adult Cigarette Smoking



Key

### United States

■ Overall

### Catchment Area

■ Overall

■ White

■ Black

■ Hispanic

Healthy People  
2020 Goals:



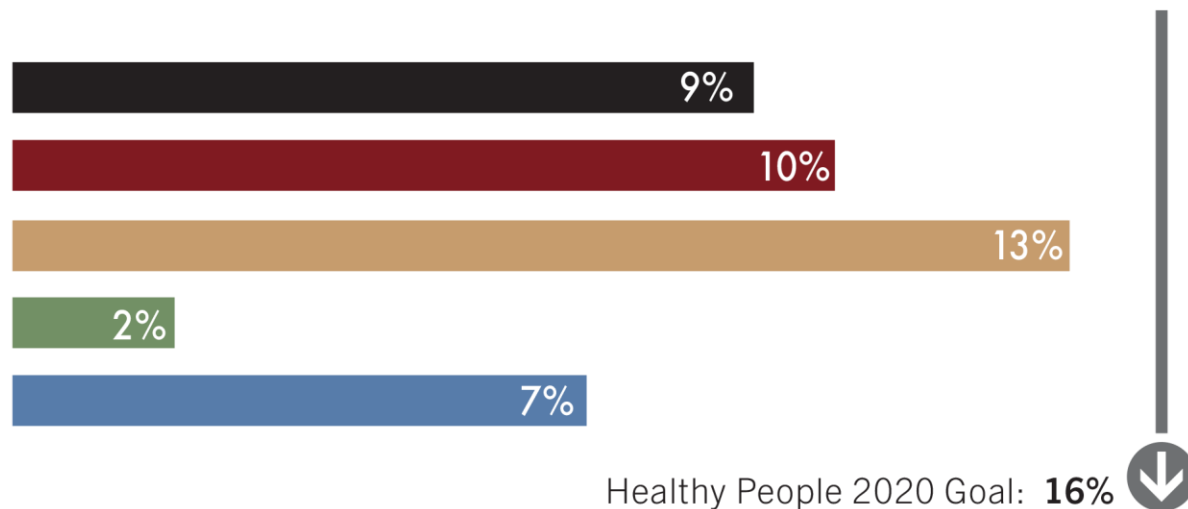
Higher % = Better



Lower % = Better



## → Youth Cigarette Smoking



Key

**United States**

■ Overall

**Catchment Area**

■ Overall

■ White

■ Black

■ Hispanic

Healthy People  
2020 Goals:



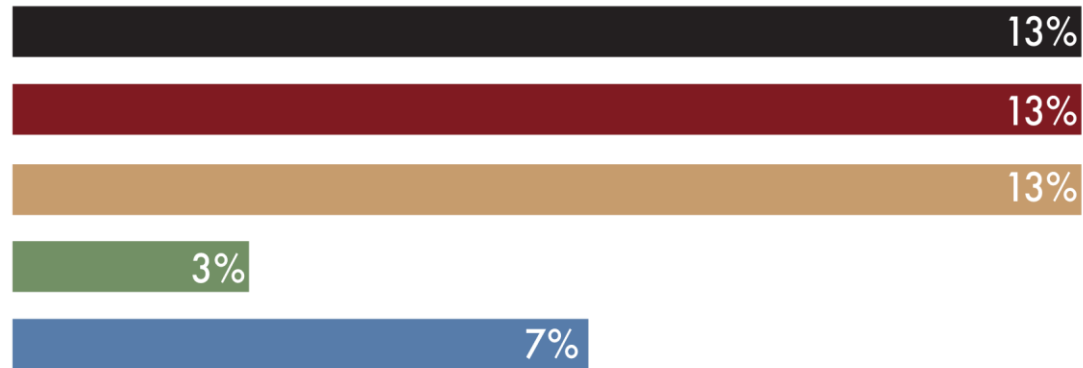
Higher % = Better



Lower % = Better



## → Youth e-Cigarette Use



No Healthy People 2020 Goal Established

Key

**United States**

■ Overall

**Catchment Area**

■ Overall

■ White

■ Black

■ Hispanic

Healthy People  
2020 Goals:



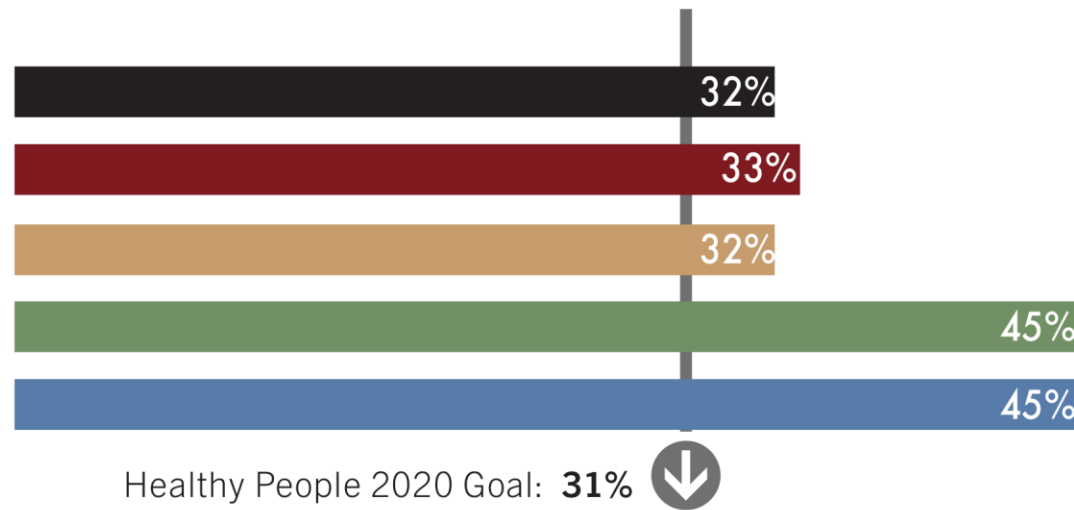
Higher % = Better



Lower % = Better



## → Adult Obesity



Key

### United States

■ Overall

### Catchment Area

■ Overall

■ White

■ Black

■ Hispanic

Healthy People  
2020 Goals:



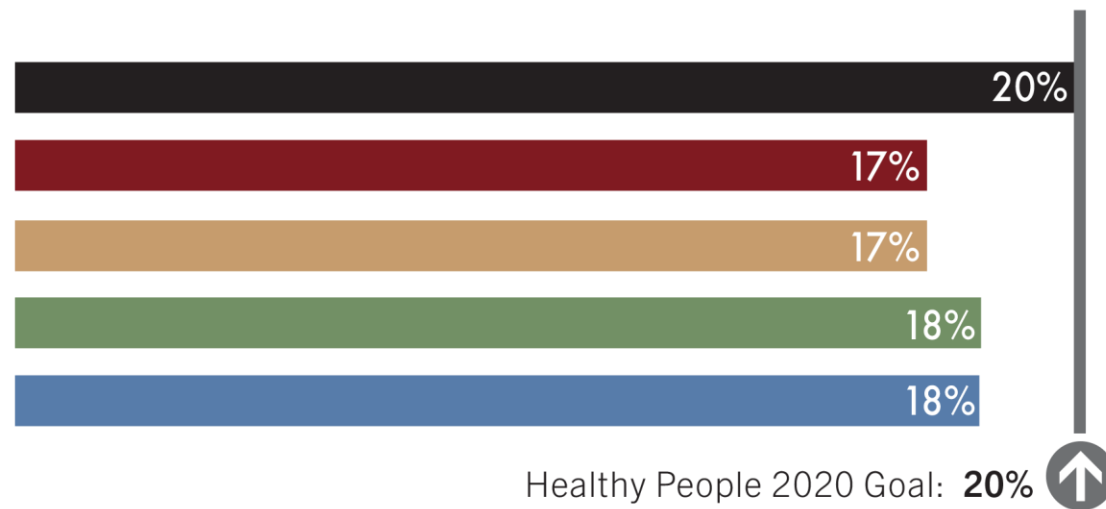
Higher % = Better



Lower % = Better



→ Adult Physical Activity



Key

**United States**

■ Overall

**Catchment Area**

■ Overall

■ White

■ Black

■ Hispanic

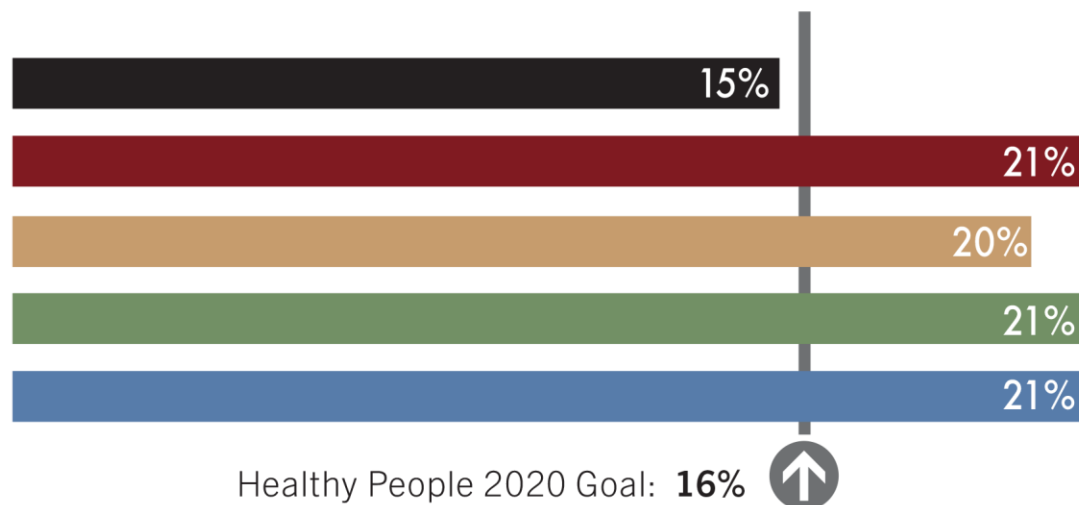
Healthy People  
2020 Goals:

↑ Higher % = Better

↓ Lower % = Better



## → Youth Obesity



Key

### United States

■ Overall

### Catchment Area

■ Overall

■ White

■ Black

■ Hispanic

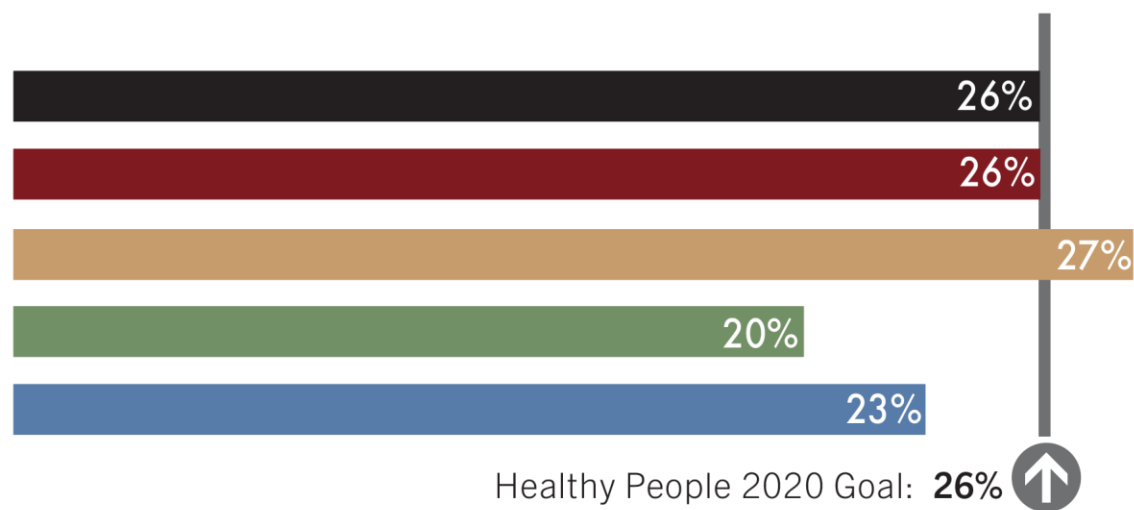
Healthy People  
2020 Goals:

↑ Higher % = Better

↓ Lower % = Better



## → Youth Physical Activity



Key

### United States

■ Overall

### Catchment Area

■ Overall

■ White

■ Black

■ Hispanic

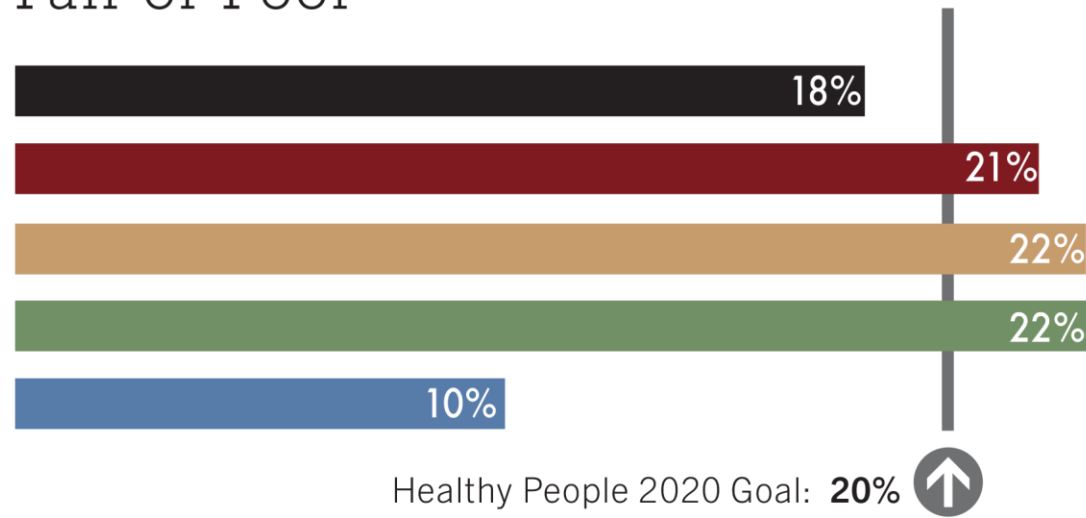
Healthy People  
2020 Goals:

- ↑ Higher % = Better
- ↓ Lower % = Better





→ Self-Rated Health Status Fair or Poor



Key

**United States**

■ Overall

**Catchment Area**

■ Overall

■ White

■ Black

■ Hispanic

Healthy People 2020 Goals:



Higher % = Better

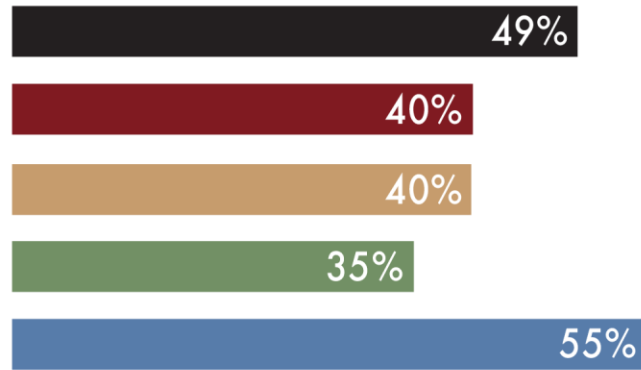


Lower % = Better



## → HPV Vaccination Coverage

Ages 13-17



Healthy People 2020 Goal: **80%**



Key

### United States

■ Overall

### Catchment Area

■ Overall

■ White

■ Black

■ Hispanic

Healthy People  
2020 Goals:



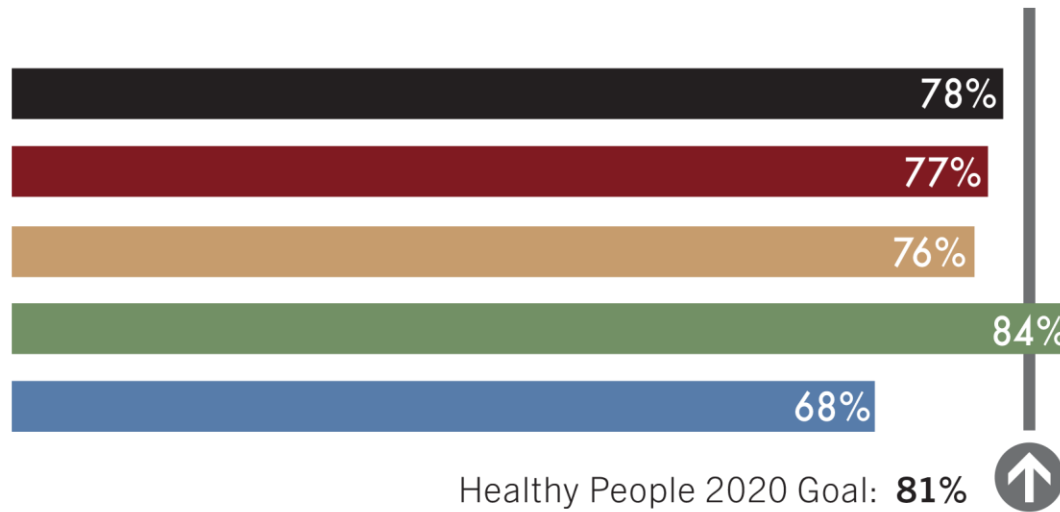
Higher % = Better



Lower % = Better



→ Female Breast Cancer Screening



Key

**United States**

■ Overall

**Catchment Area**

■ Overall

■ White

■ Black

■ Hispanic

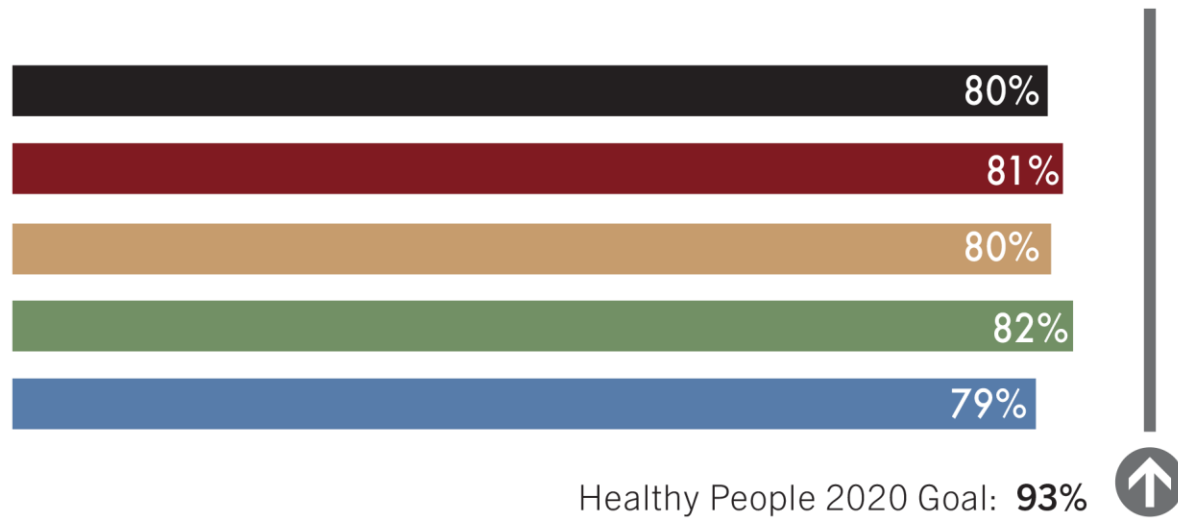
Healthy People  
2020 Goals:

↑ Higher % = Better

↓ Lower % = Better



→ Cervical Cancer Screening



Key

**United States**

■ Overall

**Catchment Area**

■ Overall

■ White

■ Black

■ Hispanic

Healthy People  
2020 Goals:



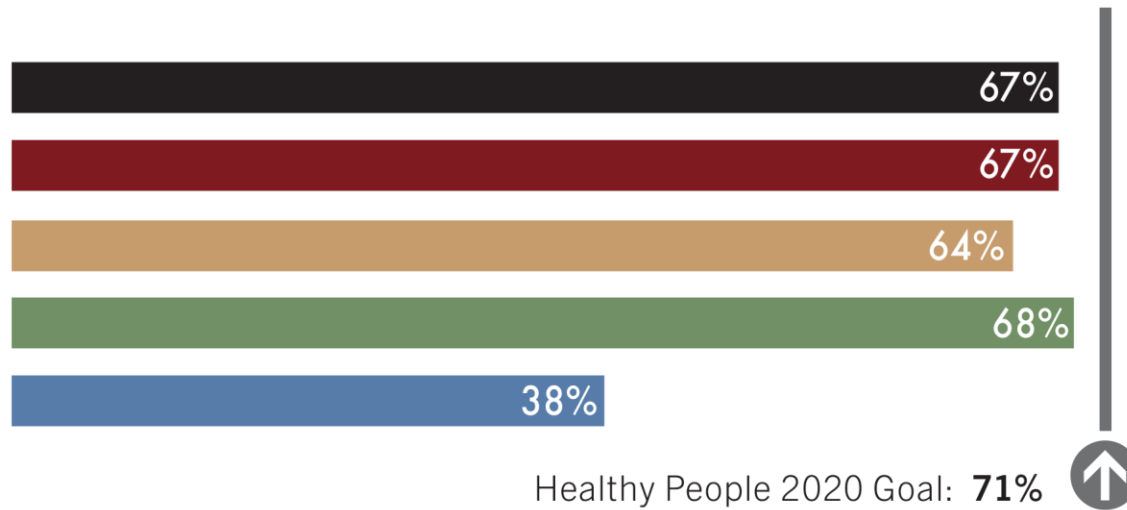
Higher % = Better



Lower % = Better



→ Colorectal Cancer Screening



Key

**United States**

■ Overall

**Catchment Area**

■ Overall

■ White

■ Black

■ Hispanic

Healthy People  
2020 Goals:



Higher % = Better

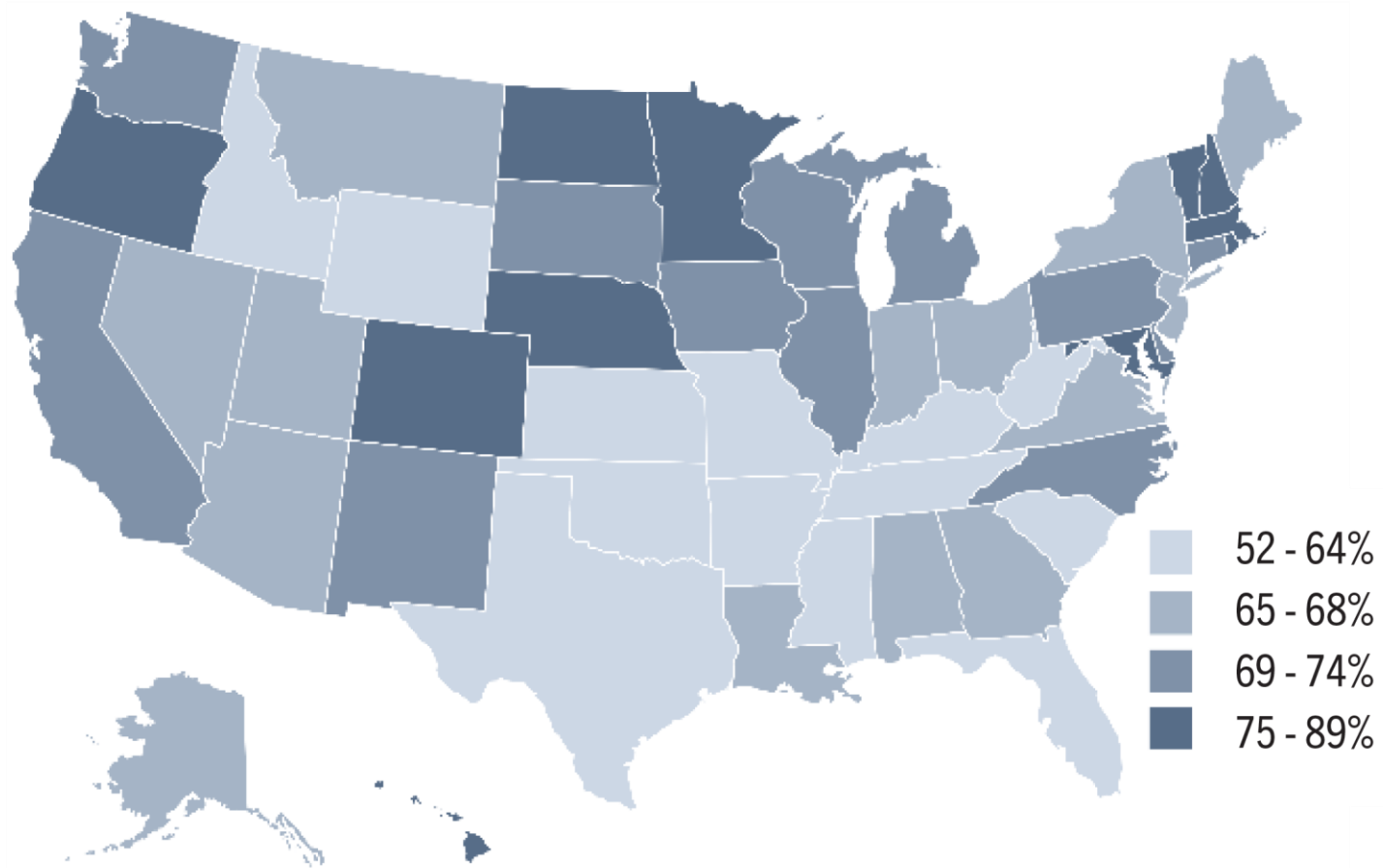


Lower % = Better

## HUMAN PAPILOMAVIRUS (HPV) VACCINATION

# → Started HPV Vaccine Series

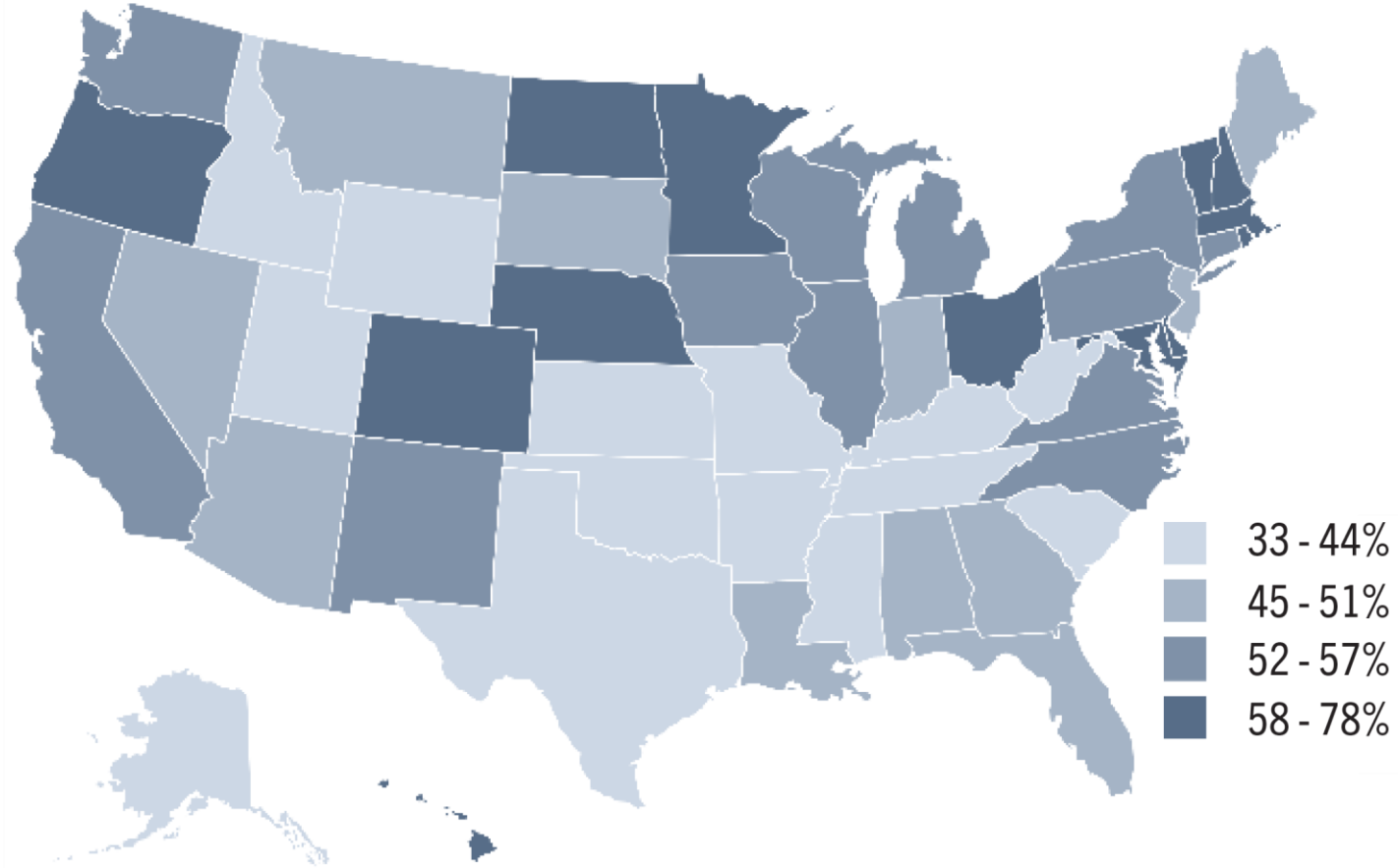
2018



HUMAN PAPILLOMAVIRUS (HPV) VACCINATION

→ Finished HPV Vaccine Series

2018





# VICC & MVTCP

## Community Advisory Board's Aligned Vision and Goals



### Vision for the Future



Wellness, healthy living  
and longevity for all



Accessible prevention,  
screening and care



Quality, affordable and  
equitable care



Holistic treatment and  
support as standard  
practice



Strong public support and  
diverse participation in  
cancer research



All cancers prevented  
or cured



### Goals for 2020-2025

→ Empower people to engage  
in cancer prevention and  
early detection

→ Reduce barriers to  
accessing care

→ Promote evidence-based  
guidelines and policy

→ Integrate treatment and  
support for physical,  
emotional and other needs

→ Raise awareness about  
importance of cancer  
research

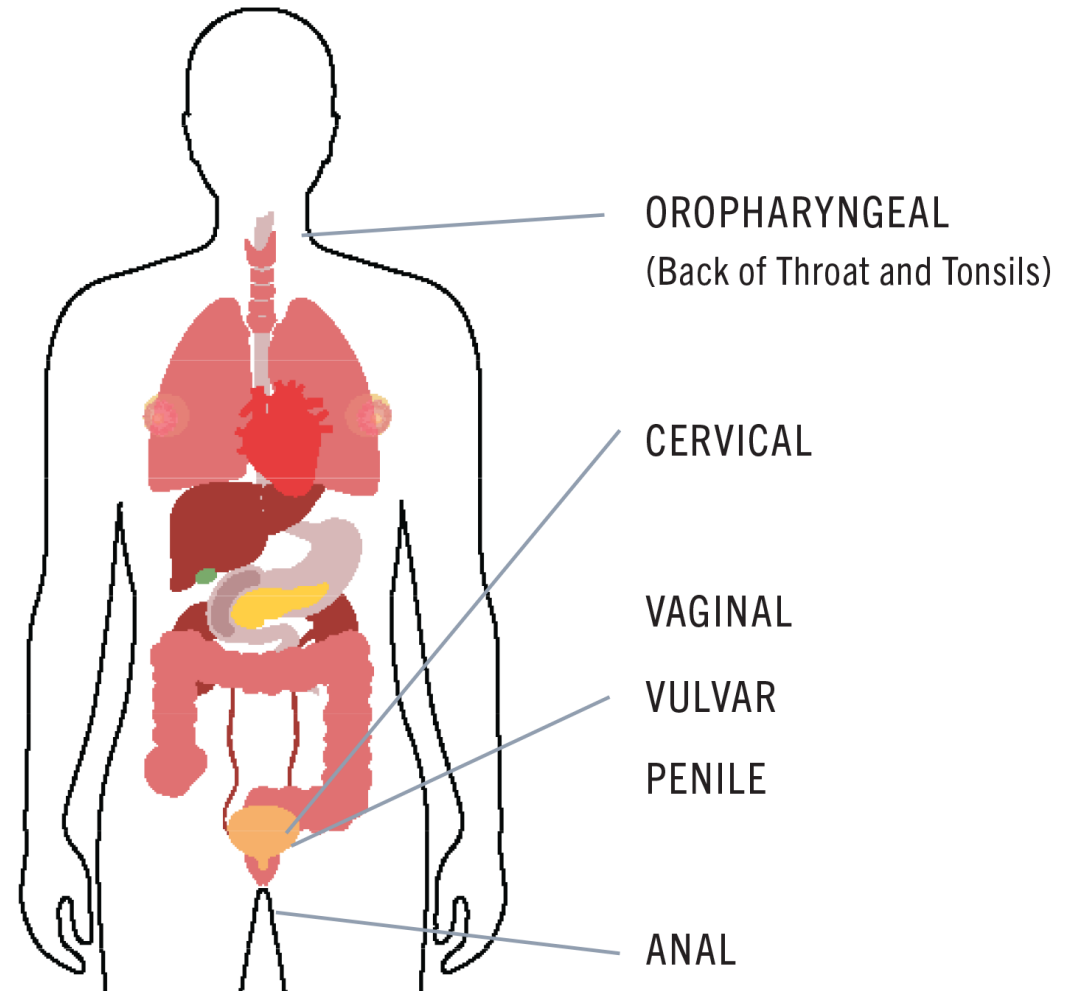
→ Advance new scientific  
discoveries in prevention,  
screening, and treatment

➡ HPV  
RELATED CANCERS

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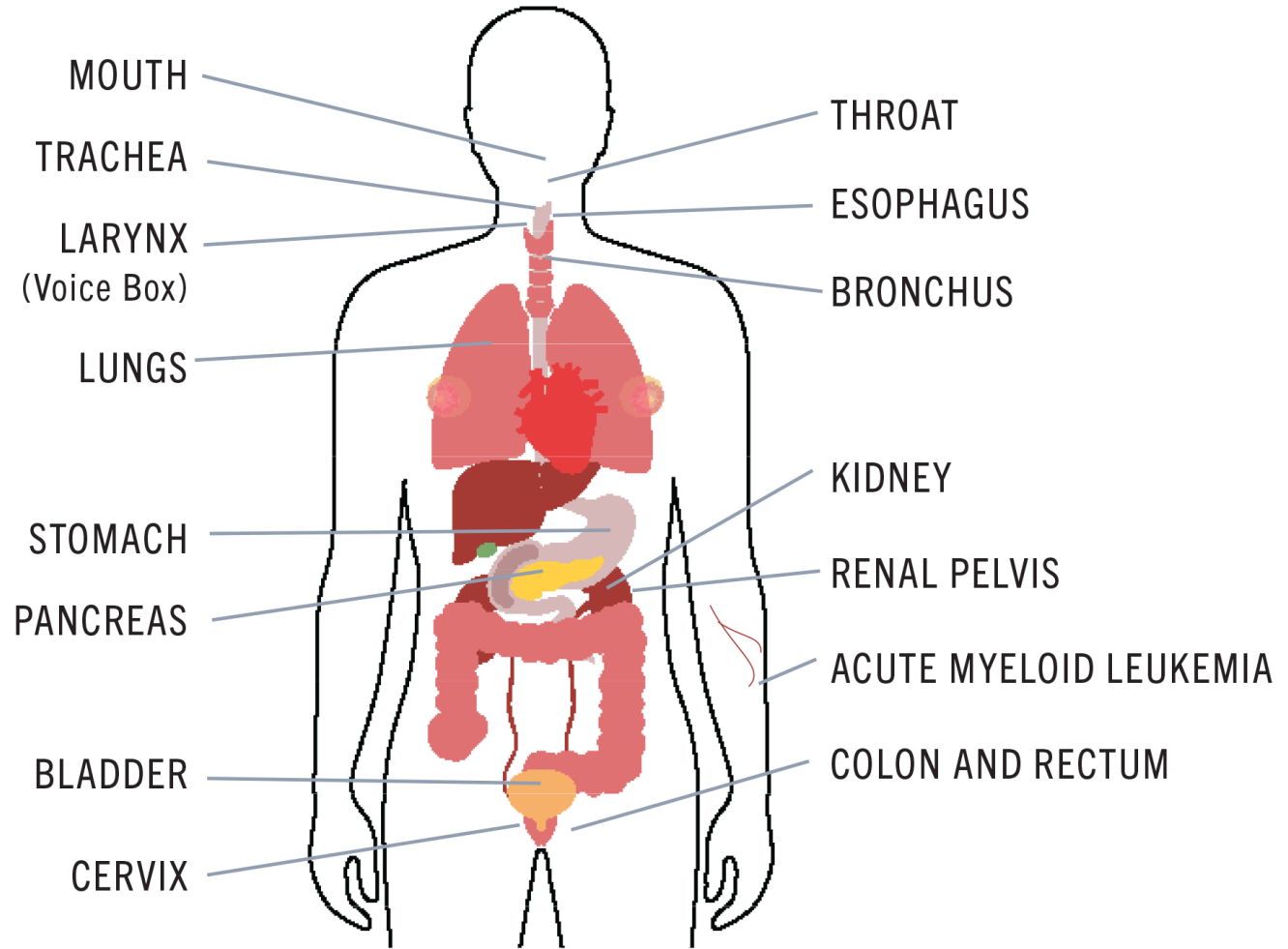
6  
➡ TYPES OF CANCER

---



➡ **SMOKING**  
RELATED CANCERS

**15**  
TYPES OF CANCER

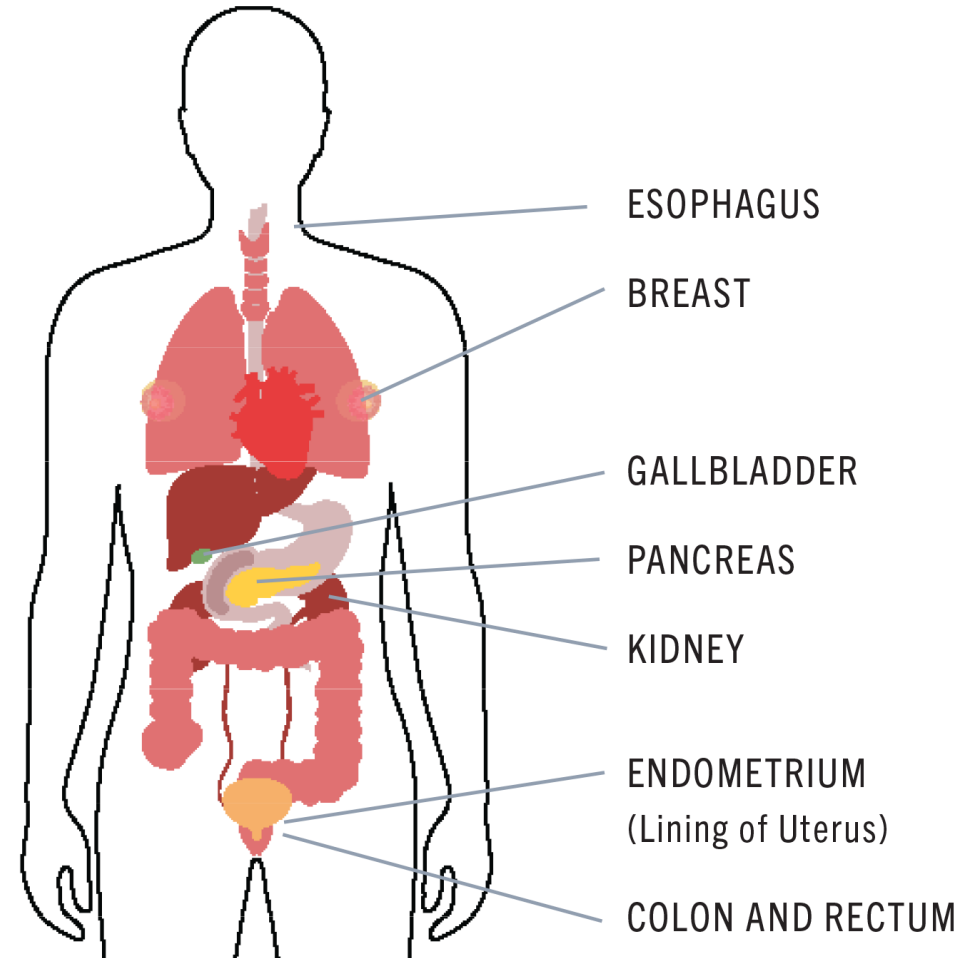


➡ **OBESITY**  
RELATED CANCERS

---

**7**  
➡ TYPES OF CANCER

---





→ **State Cancer Plan Goals**  
**Tennessee**

➔ **Primary Prevention**

Stabilize the incidence rate of melanoma.

Increase the number of adolescents aged 13-17 years who are up to date with the HPV vaccine series.

Increase the percentage of Tennesseans at a healthy BMI.

Increase the number of homes tested annually for radon.

Decrease the percentage of Tennesseans who currently smoke cigarettes, use electronic vapor products, or smokeless tobacco.

➔ **Screening/Secondary Prevention**

Increase the percentage of at-risk adults screened for lung cancer.

Increase the percentage of adults aged 50-75 who have fully met the USPSTF colon cancer screening recommendation.

Increase the percentage of women aged 50-74 who have had a mammogram within the past two years.

Increase the percentage of women aged 21-65 who have had a Pap test in the past three years.

Increase the percentage of residents with personal and/or family history of cancer who are at high risk for inherited disease that are offered appropriate genetic counseling and/or testing for inherited cancer predisposition.

➔ **Treatment/Tertiary Prevention and Quality of Life**

Increase adherence to evidence-based standards of care for treatment.

Increase the number of health care professionals trained in effective palliative care techniques.

Increase the five-year relative cancer survival rate.

Improve the medical, psychosocial, and educational outcomes and needs of childhood cancer patients in Tennessee.



## → State Cancer Plan Goals **Kentucky**

### ➤ **Primary Prevention**

Reduce the incidence and mortality rates of tobacco-related cancers in all populations.

Reduce the incidence of cancers related to nutrition, physical activity, and obesity.

Reduce the incidence and mortality rates of cancers related to environmental carcinogens, with a focus on radon.

Reduce incidence of HPV-related cancers by increasing initiation and completion of the human papillomavirus (HPV) vaccine series.

### ➤ **Screening/ Secondary Prevention**

Reduce the proportion of late-stage diagnosis and mortality from breast cancer through screening and early detection.

Reduce the incidence and mortality rates of cervical cancer through prevention and early detection.

Reduce the incidence and mortality rates of colon cancer through prevention and early detection.

Increase the percentage of eligible residents who are offered appropriate genetic counseling and/or testing for inherited cancer predisposition.

### ➤ **Treatment/Tertiary Prevention and Quality of Life**

Promote access to and appropriate utilization of quality cancer diagnostic and treatment services for all Kentuckians.

Promote overall health of Kentucky cancer survivors from diagnosis onward, to increase quality of life.



→ **State Cancer Plan Goals**  
**Alabama**

➔ **Primary Prevention**

Reduce cancer risk by maintaining a healthy weight, eating a healthy diet, and being physically active.

Increase vaccination rate for vaccines shown to reduce the risk of cancer.

Reduce the incidence and mortality related to lung cancer.

Reduce the risk of skin cancer by decreasing exposure to ultraviolet light.

➔ **Screening/  
Secondary Prevention**

Reduce incidence of late stage breast cancer and breast cancer mortality.

Reduce incidence of late stage cervical cancer and cervical cancer mortality.

Reduce incidence of late stage colon and rectal cancer and colon and rectal cancer mortality.

Reduce prostate cancer mortality in Alabamians.

➔ **Treatment/Tertiary Prevention and Quality of Life**

Increase participation of Alabamians in cancer clinical trials.

Improve quality of life for cancer survivors and their families.



# Fact Sheets

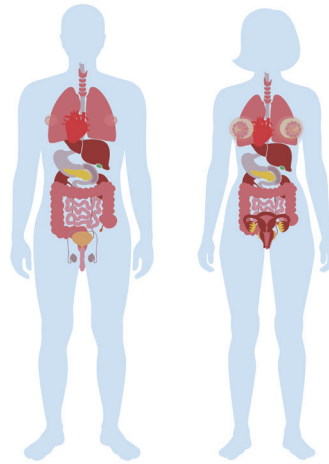
# Cancer Statistics

Vanderbilt-Ingram Cancer Center Catchment Area includes 123 counties encompassing the entire state of TN, 23 counties in western KY, and 5 counties in northern AL.

## → Most Common Cancers

Affecting Men and Women in the catchment area

- PROSTATE
- LUNG
- COLORECTAL
- URINARY BLADDER
- MELANOMA OF THE SKIN

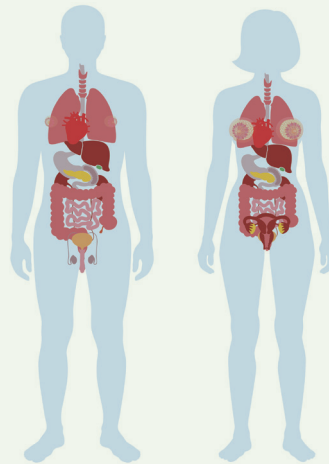


- FEMALE BREAST
- LUNG
- COLORECTAL
- CORPUS AND UTERUS
- MELANOMA OF THE SKIN

## → Most Common Deaths from Cancers

Affecting Men and Women in the catchment area

- LUNG
- COLORECTAL
- PROSTATE
- PANCREAS
- LIVER



- LUNG
- FEMALE BREAST
- COLORECTAL
- PANCREAS
- OVARY

## → Cancers with Higher Mortality

These particular types of cancer had higher death rates in the catchment area versus the overall U.S.



- ↑ LUNG
- ↑ COLON & RECTUM
- ↑ CERVIX
- ↑ OROPHARYNX
- ↑ MELANOMA OF THE SKIN

## Cancers with Rising Mortality Trends

ALSO RISING IN THE U.S.



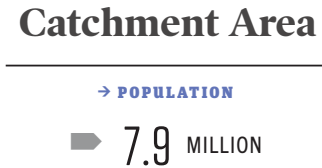
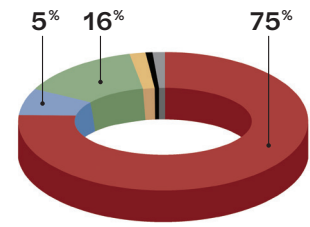
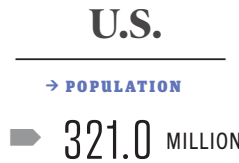
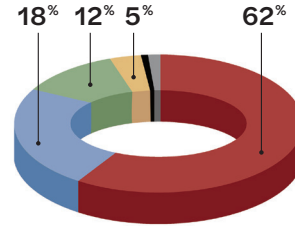
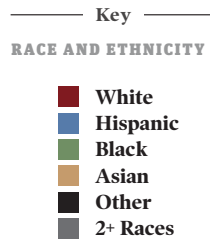
- NOT RISING IN THE U.S.
- Esophagus
- Melanoma of the Skin
- Pancreas
- Urinary Bladder

# Racial Disparities

Vanderbilt-Ingram Cancer Center Catchment Area includes 123 counties encompassing the entire state of TN, 23 counties in western KY, and 5 counties in northern AL.

## → Race and Ethnicity

Listed are the demographic characteristics of the catchment area compared to the population of the U.S.:



## → Cancer Disparities

### RACIAL AND ETHNIC DISPARITIES IN CATCHMENT AREA

New cancer cases or cancer death rates are higher for Blacks and Hispanics compared to non-Hispanic Whites for the cancers listed.

### Blacks Higher than Whites

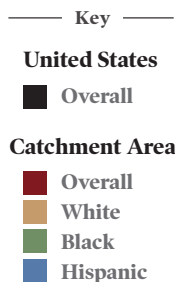
- ↑ Breast
- ↑ Cervix
- ↑ Colon & Rectum
- ↑ Kidney
- ↑ Pancreas
- ↑ Prostate
- ↑ Stomach
- ↑ Uterus



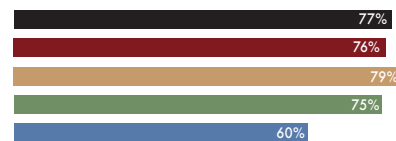
### Hispanics Higher than Non-Hispanic Whites

- ↑ Cervix
- ↑ Childhood
- ↑ Stomach

→ Hispanic and Black populations in the catchment area are less likely to have a regular health care provider.



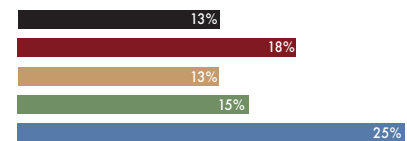
### Have a Regular Health Care Provider



→ Hispanic populations, in comparison to others in the catchment area, are more likely to not see a health care provider because of cost.



### Could Not See A Health Care Provider Because of Cost



# Rural Residents

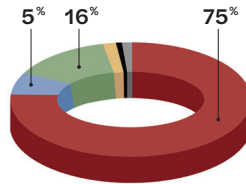
Vanderbilt-Ingram Cancer Center Catchment Area includes 123 counties encompassing the entire state of TN, 23 counties in western KY, and 5 counties in northern AL.

## → Demographics

In the catchment area, 25% of residents are considered rural. The charts below highlight the current racial and ethnic breakdown.

Key  
Race and Ethnicity

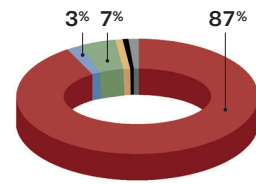
- White
- Hispanic
- Black
- Asian
- Other
- 2+ Races



Catchment Area

→ POPULATION

7.9 MILLION



Rural Areas

→ POPULATION

2.0 MILLION

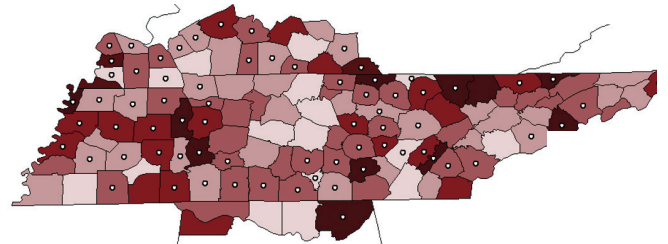
## → Rural Residents Life Expectancy

Life expectancy in the catchment area varies by county and reflects differences in overall health status and the burden of disease.

Key

Years of Age

- 71 - 73
- 74
- 75
- 76 - 77
- 78 - 82
- Rural

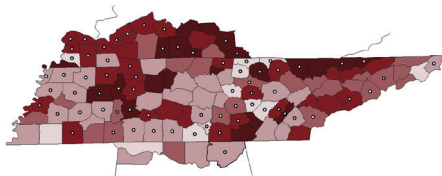


## → Cancer in Rural Areas

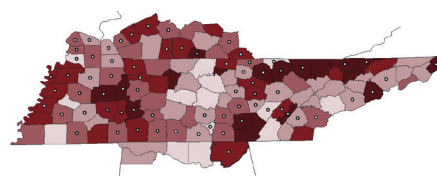
The difference in incidence rates among urban and rural counties highlight the geographical disparities that exist in the catchment area.

Overall Cancer Incidence Rate:

Overall Cancer Mortality Rate:

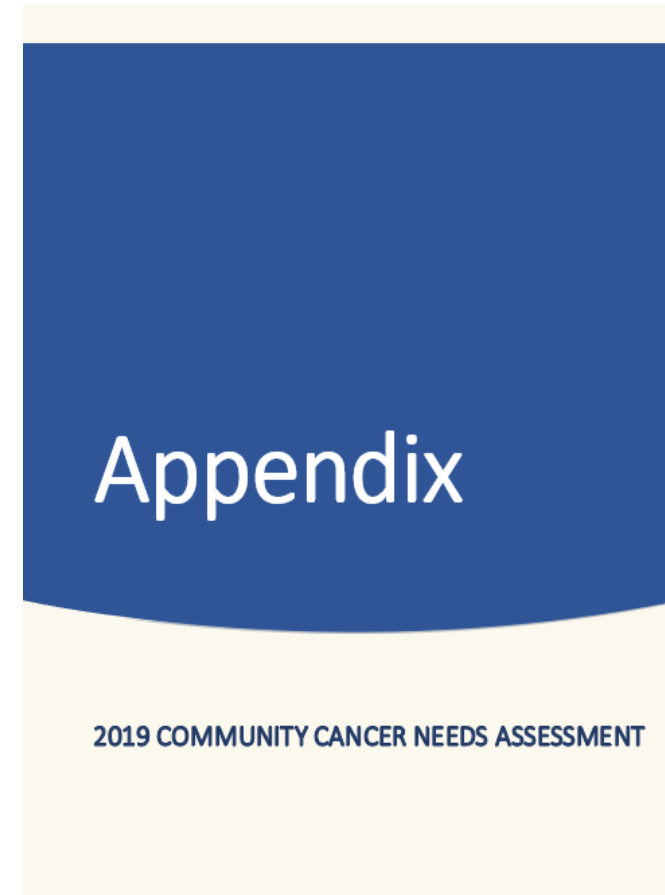
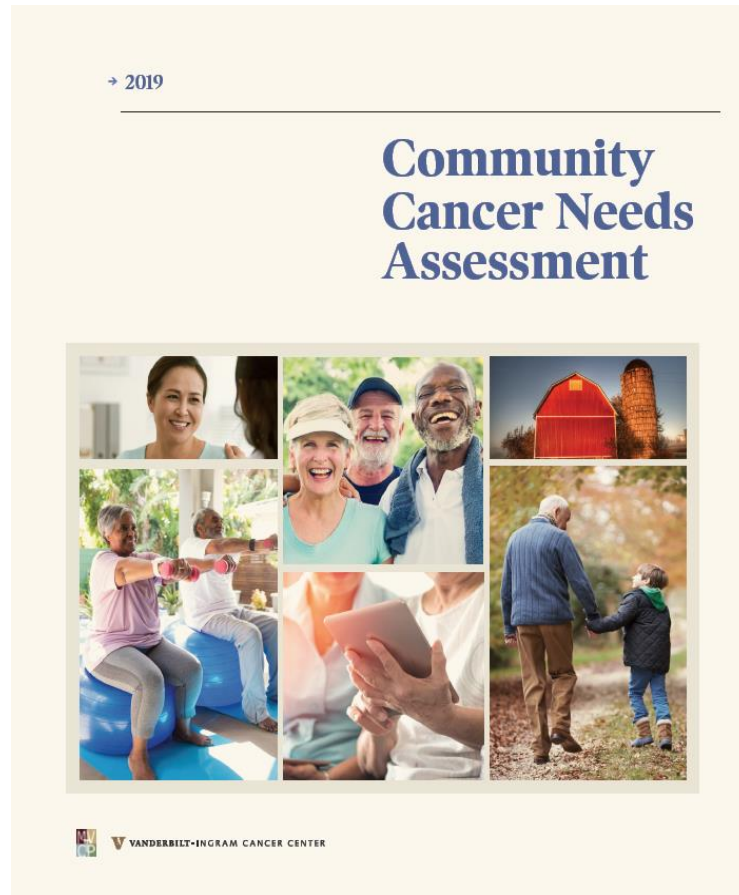


- 391.40 - 426.50
- 426.51 - 459.50
- 459.51 - 477.70
- 477.71 - 502.00
- 502.01 - 544.30
- Rural



- 127.40 - 168.00
- 168.01 - 185.80
- 185.81 - 200.20
- 200.21 - 218.10
- 218.11 - 254.80
- Rural

# 2019 Community Cancer Needs Assessment



To view full versions: <https://www.vicc.org/community/research>

**Questions  
or  
Concerns?**

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