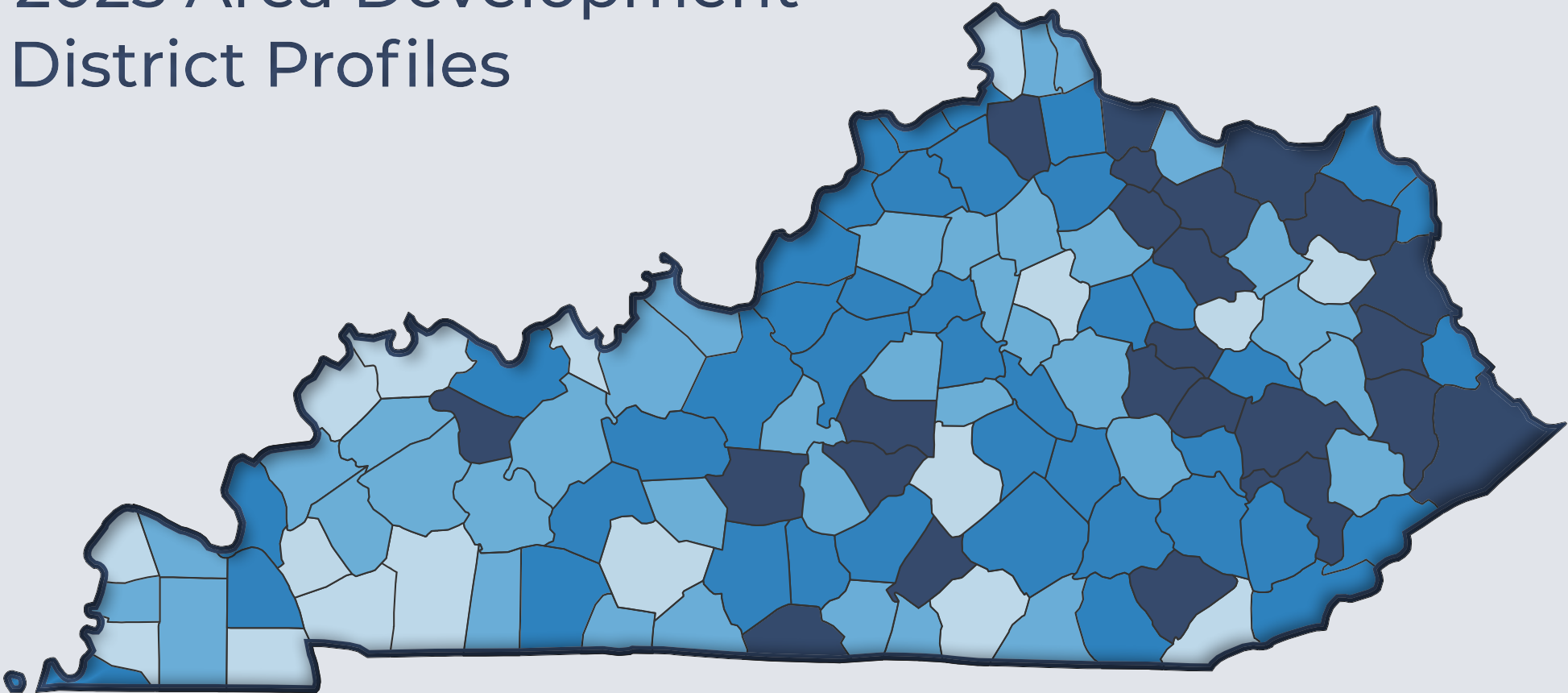


# KENTUCKY CANCER NEEDS ASSESSMENT

2025 Area Development  
District Profiles



# TABLE OF CONTENTS

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Area Development District Profiles Intro	2
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The Kentucky Cancer Needs Assessment 2025 Area Development District Profiles are a product of the University of Kentucky Markey Cancer Center's Community Impact Office.

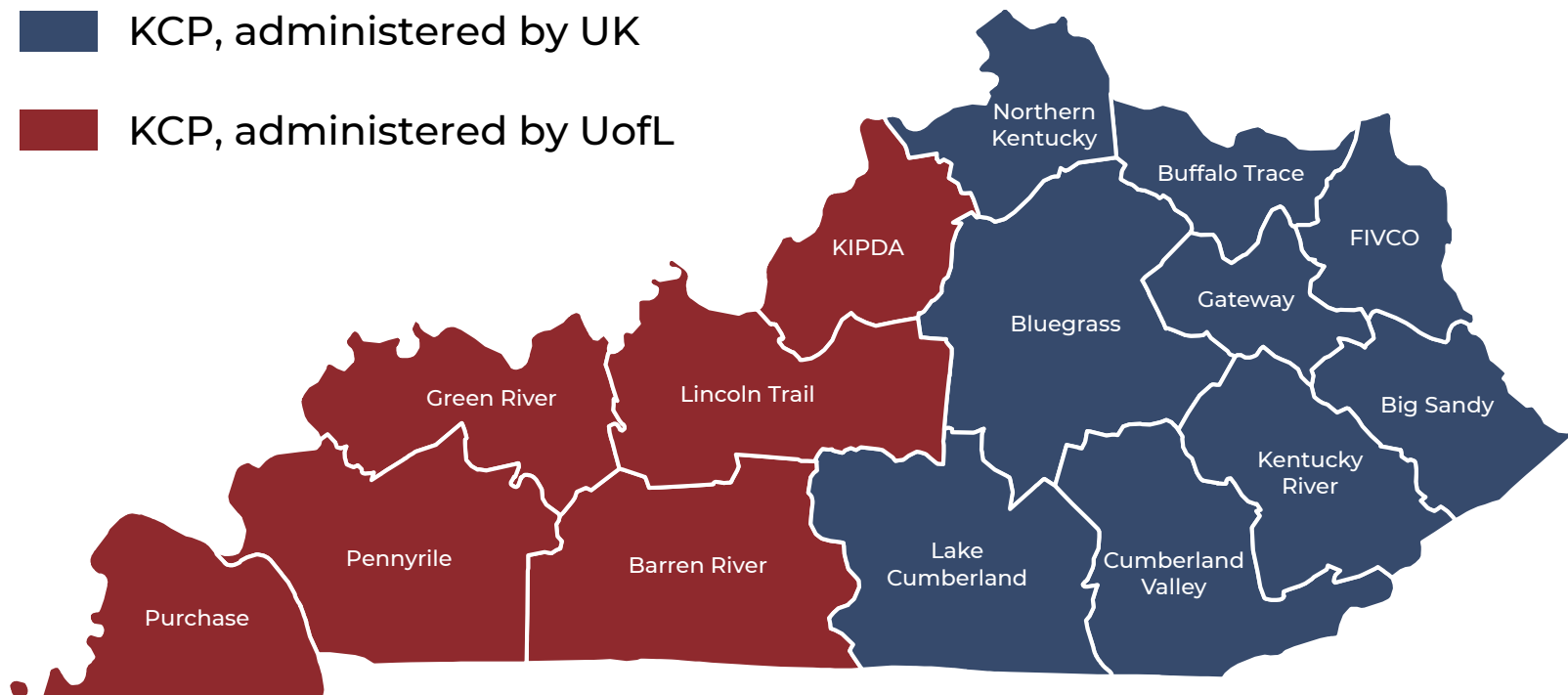
These serve as a regular update on the needs and opportunities that exist around the state for reducing Kentucky's cancer burden.

More information on the story of cancer in Kentucky can be found at [www.KYCancerNeeds.org](http://www.KYCancerNeeds.org) and [cancerinfocus.uky.edu](http://cancerinfocus.uky.edu).

# AREA DEVELOPMENT DISTRICT PROFILES

The Commonwealth of Kentucky has 120 counties that are broken into 15 different Area Development Districts (ADDs). ADDs consist of anywhere from 5 to 17 counties in a contiguous geographic region. The mission of the ADDs is to bring local civic and governmental leaders together to accomplish major objectives and take advantage of opportunities which cannot be achieved or realized by those governments acting alone.

The purpose of the following pages is to summarize relevant social determinants of health, behavioral risk factors and cancer incidence and mortality at the ADD level to facilitate coordination in the realm of cancer prevention and control planning. The Kentucky Cancer Program (KCP)—jointly administered by the University of Kentucky and the University of Louisville—has been charged with leading this task in Kentucky.



# ADD PROFILE SOURCES

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American Community Survey, 5-year Estimates, 2019-2023

Total population and age, sex, race and ethnicity breakdowns; Education completed; Insurance status; On Medicaid; On Disability; Annual unemployment; Living below poverty

County Health Rankings & Roadmaps, 2024

Access to parks and gyms

Health Resources and Services Administration, 2024

Hospitals and clinics

Kentucky Behavioral Risk Factor Survey, 2022

Smoking; Unhealthy weight; Physical inactivity; Unhealthy drinking; Lung, female breast, and colorectal cancer screening rates.

Due to issues with questions in 2022, rates of Pap screening in the last three years was estimated from the 2020 KyBRFS.

US Cancer Statistics, 2018-2023

Cancer incidence and mortality rates; Late-stage diagnosis

US Department of Agriculture, Economic Research Service, 2019

Rural-Urban Continuum Codes

# DATA DEFINITIONS

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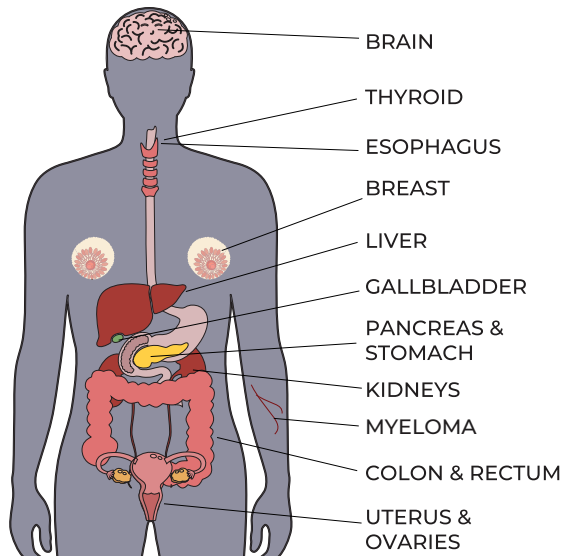
<b>Access to healthy foods</b>	Lacking access to healthy foods is defined as residing in a low-income and low food access using vehicle census tract. A low-income census tract is one where (a) the poverty rate is 20 percent or greater; or (b) the median family income is less than or equal to 80 percent of the State-wide median family income; or (c) the tract is in a metropolitan area and has a median family income less than or equal to 80 percent of the metropolitan area's median family income. A census tract is considered low access if (a) at least 100 households are more than one-half mile from the nearest supermarket and have no access to a vehicle; or (b) at least 500 people or 33 percent of the population live more than 20 miles from the nearest supermarket, regardless of vehicle access.
<b>Access to parks and gyms</b>	Individuals are considered to have access to exercise opportunities [parks and gyms] if (a) they reside in a census block that is within a half mile of a park, or (b) they reside in an urban census block that is within one mile of a recreational facility, or (c) they reside in a rural census block that is within three miles of a recreational facility.
<b>Breast, colorectal and lung screen</b>	Individuals meeting the US Preventive Services Task Force recommendations for female breast, colorectal or lung cancer screening
<b>Federally Qualified Health Center</b>	Federally Qualified Health Centers (FQHCs) are community-based health care providers that receive funds from the HRSA Health Center Program to provide primary care services in underserved areas. They must meet a stringent set of requirements, including providing care on a sliding fee scale based on ability to pay and operating under a governing board that includes patients.
<b>Geographic Health Professional Shortage Area</b>	A Geographic Health Professional Shortage Area (HPSA) is a geographic area that has been designated by the Health Resources and Services Administration (HRSA) as having a shortage of health professionals in primary care
<b>Pap screen</b>	Females age 21 to 65 who have not had a hysterectomy and have had a Pap test in the past three years
<b>Physical inactivity</b>	Adults who did not participate in any physical activities for exercise outside of work in the past 30 days
<b>Unhealthy drinking</b>	Males who have had 5+ alcoholic drinks on one occasion in the past 30 days or average 2 alcoholic drinks daily; females who have had 4+ alcoholic drinks on one occasion in the past 30 days or average 1 alcoholic drink daily
<b>Unhealthy weight</b>	Adults with a BMI of 25 or higher

# RISK FACTOR-ASSOCIATED CANCERS

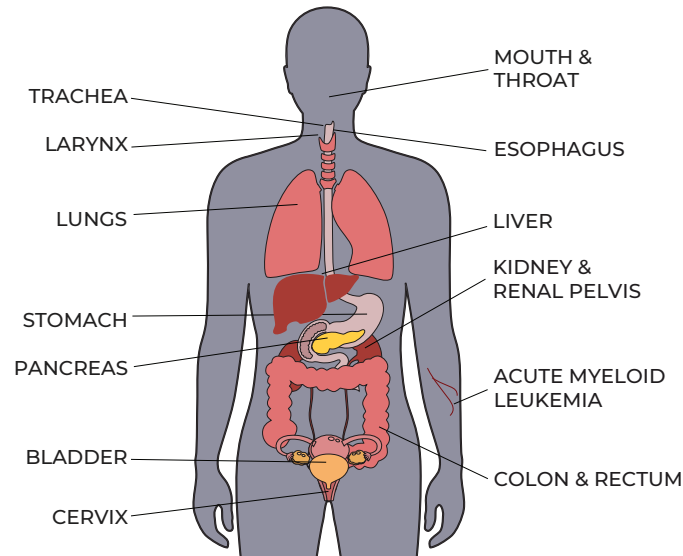
A significant association has been shown to exist between risk factors like tobacco use, obesity, and human papillomavirus (HPV) infection and the development of certain types of cancer. Although these risk factors increase an individual's likelihood of being diagnosed with cancer at these sites, exposure does not guarantee an individual will develop cancer. Likewise, people may still develop cancer at these sites without being exposed to the risk factors listed.

Additional information on risk factor-associated cancers can be found at [www.cdc.gov/united-states-cancer-statistics/public-use/definitions-risk-factor-associated-cancers.html](http://www.cdc.gov/united-states-cancer-statistics/public-use/definitions-risk-factor-associated-cancers.html)

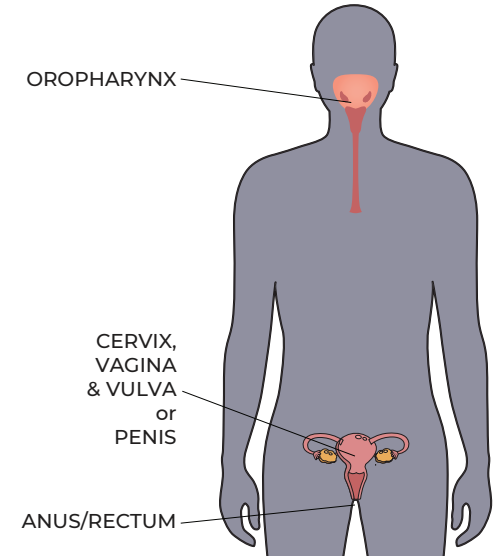
## Obesity-associated Cancers



## Tobacco-associated Cancers

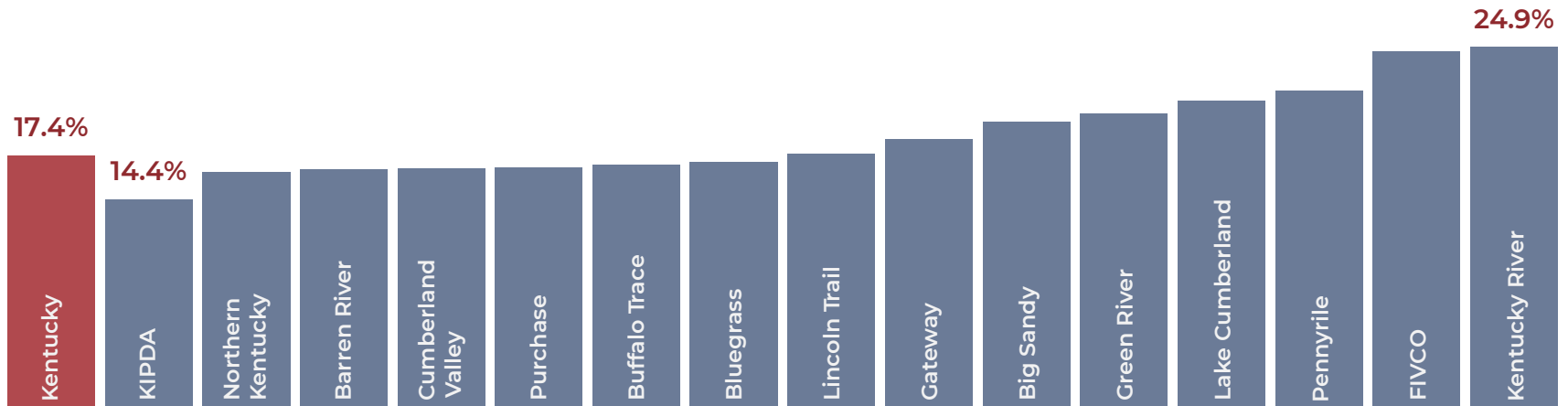


## HPV-associated Cancers

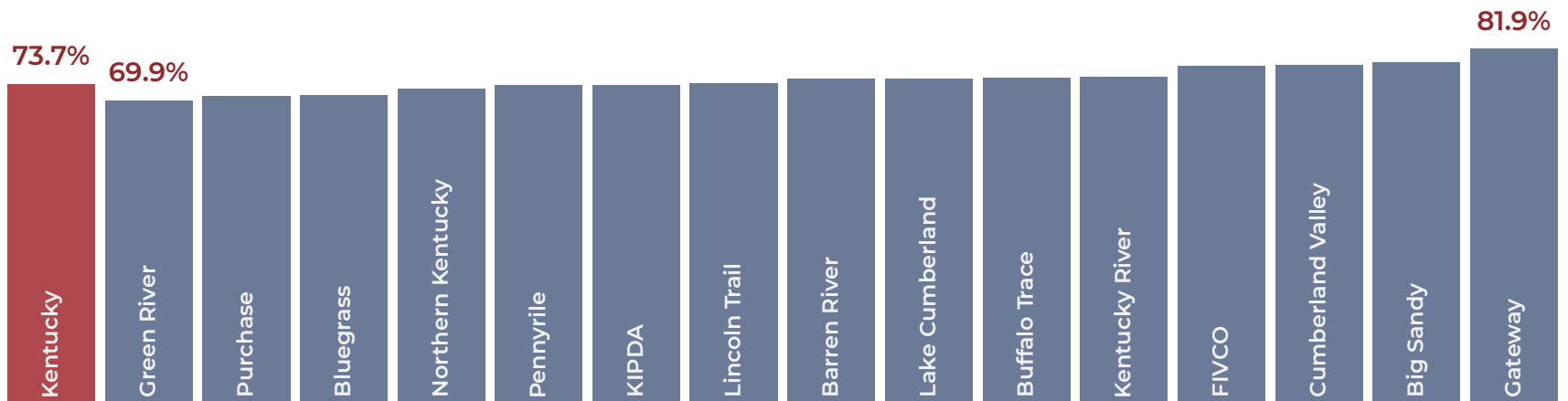


# BEHAVIORAL RISK FACTOR COMPARISONS

## Currently Smoke

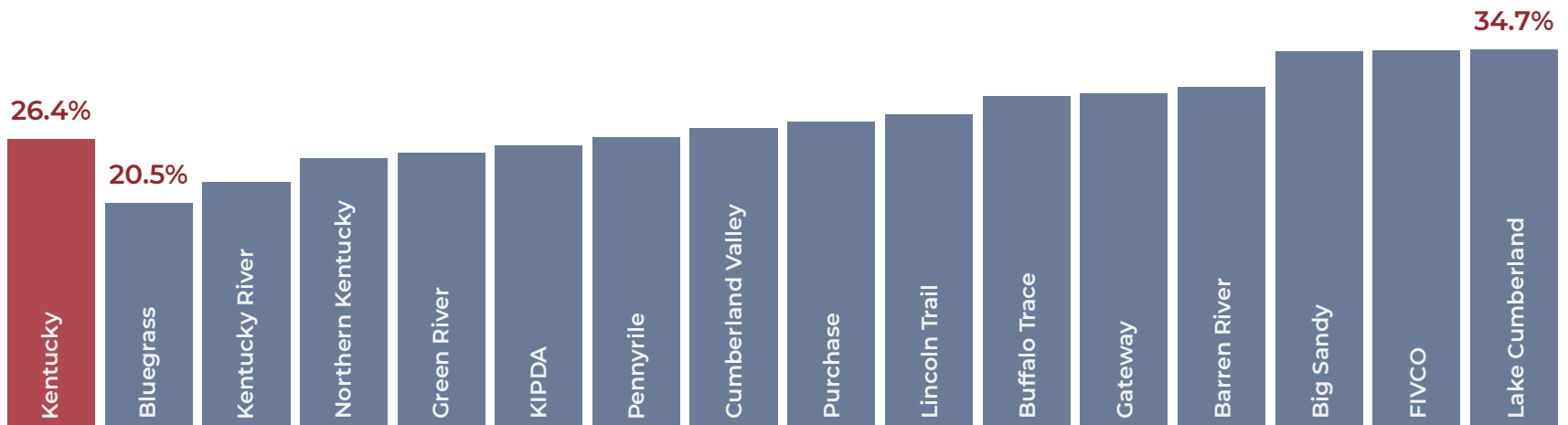


## Unhealthy Weight

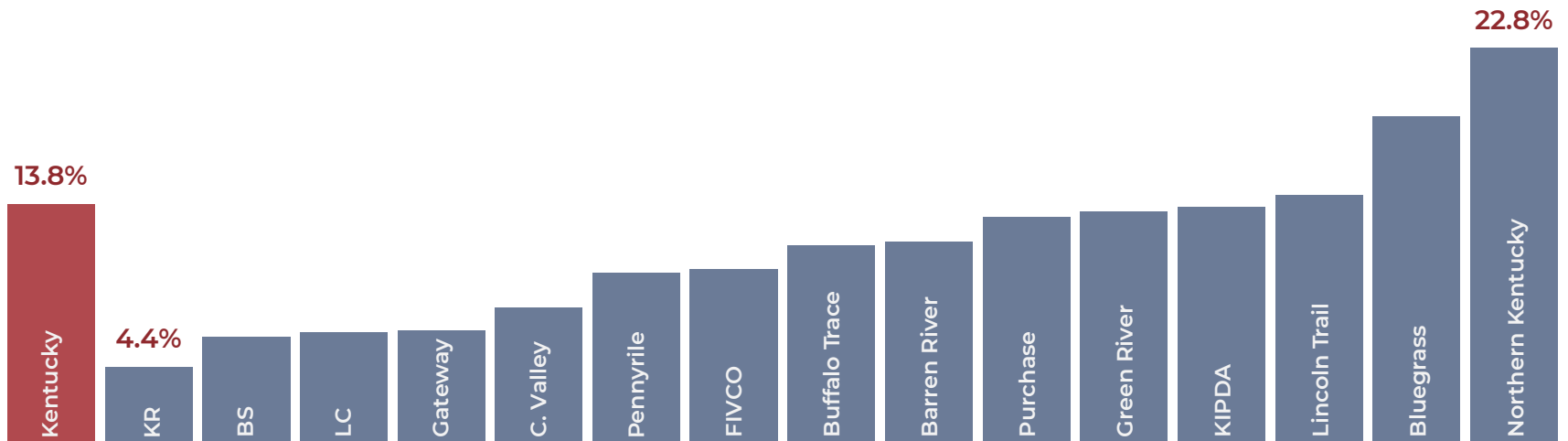


# BEHAVIORAL RISK FACTOR COMPARISONS

## Physically Inactive



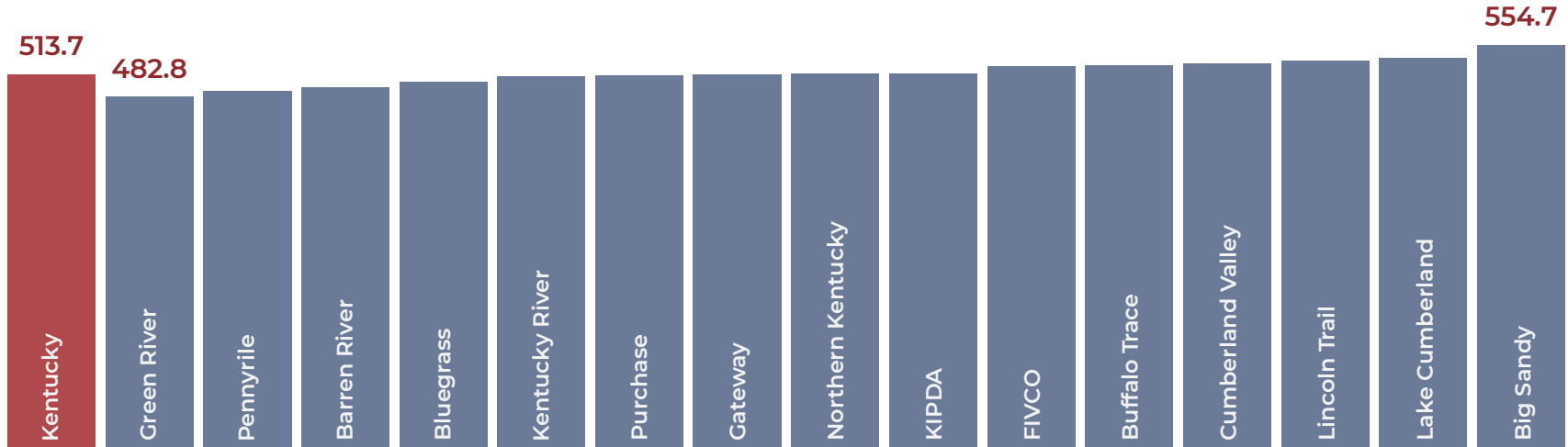
## Unhealthy Drinking



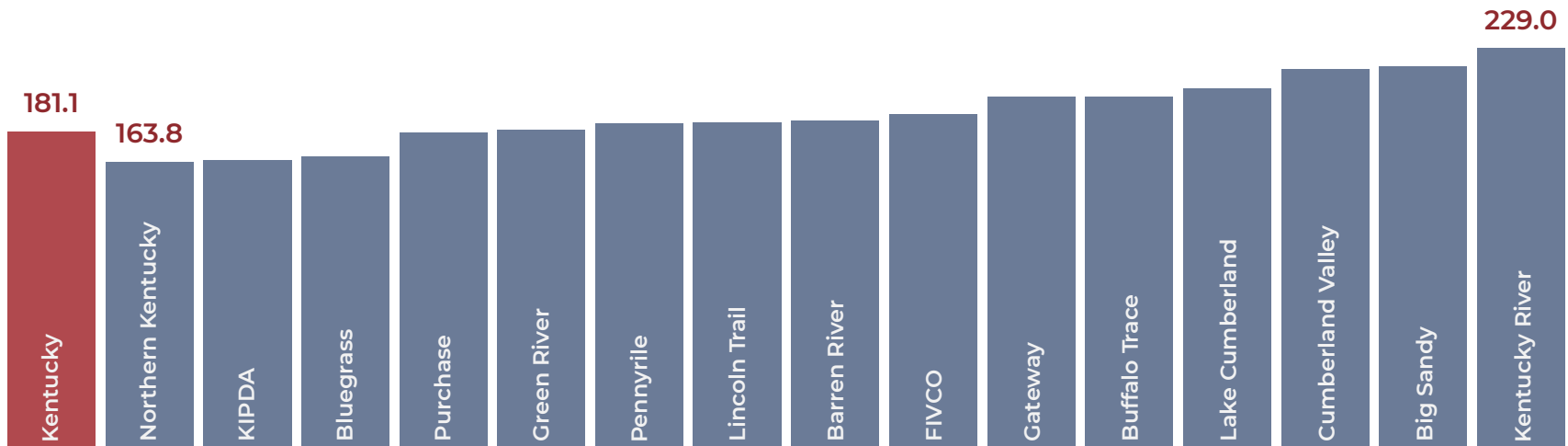


# CANCER RATE COMPARISONS

## All Cancer Sites Incidence



## All Cancer Sites Mortality



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# **KENTUCKY CANCER PROGRAM**

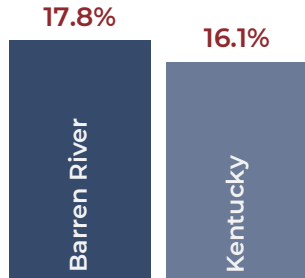
## **ADMINISTERED BY THE UNIVERSITY OF LOUISVILLE**

# Social Determinants of Health

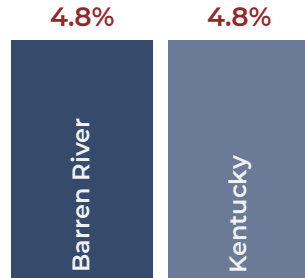


**42%** rural | **16%** age 65+ | **29%** medicaid | **8%** uninsured

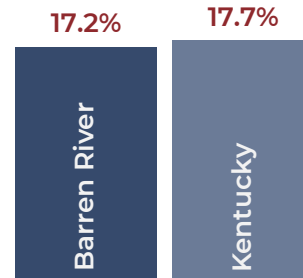
## Below Poverty



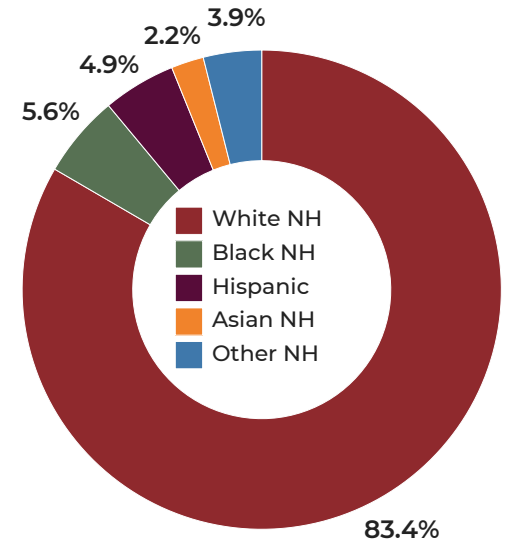
## Annual Unemployment



## On Disability



## Race and Ethnicity



**BARREN RIVER**  
AREA DEVELOPMENT DISTRICT (ADD)

2025 EDITION

## PEOPLE LACKING ACCESS



**5%**  
to healthy foods

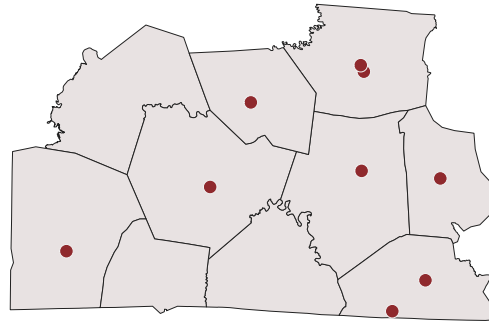


**46%**  
to parks and gyms



**14%**  
to high-speed  
broadband

## FEDERALLY-QUALIFIED HEALTH CENTER SITES

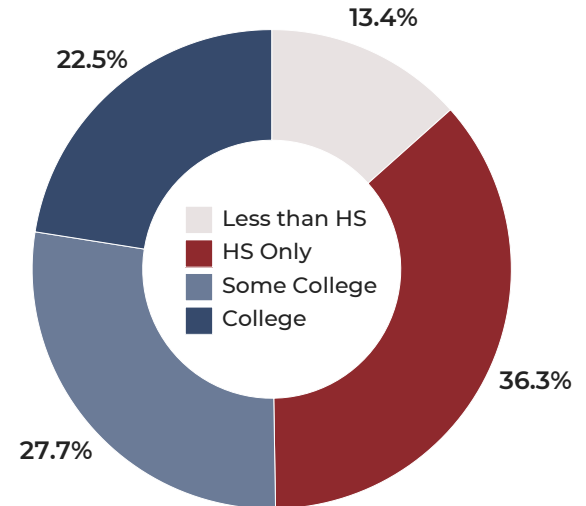


## HEALTHCARE SYSTEM



- 11** Hospitals (**3** Critical Access Hospitals)
- 11** Federally-Qualified Health Centers
- 21** Rural Health Clinics

## Education Completed



Population  
**316,541**

Annual New  
Cancer Cases  
**1,826**

# Cancer-related Outcomes

## CANCER RISK FACTORS



**16%**  
currently  
smoke



**75%**  
unhealthy  
weight



**31%**  
physically  
inactive



**12%**  
unhealthy  
drinking

## SCREENING RATES & LATE-STAGE DIAGNOSIS



**21%**  
lung  
screen

6th of 15 ADDs

**75%**  
late stage

11th of 15 ADDs



**79%**  
breast  
screen

4th of 15 ADDs

**36%**  
late stage

13th of 15 ADDs



**61%**  
colorectal  
screen

13th of 15 ADDs

**67%**  
late stage

15th of 15 ADDs



**84%**  
Pap  
screen

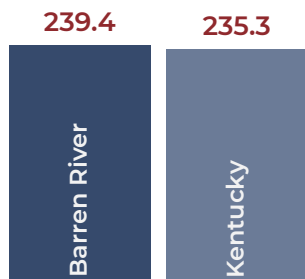
4th of 15 ADDs

**49%**  
late stage

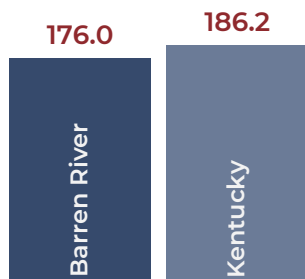
1st of 15 ADDs

## RISK-FACTOR ASSOCIATED CANCER INCIDENCE

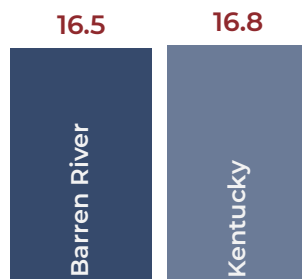
Tobacco-associated



Obesity-associated

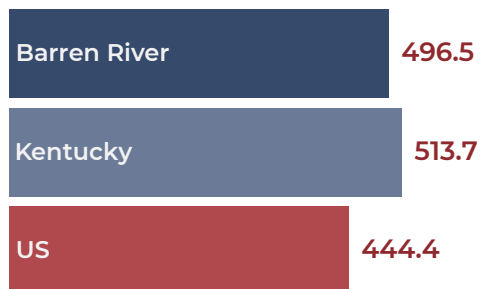


HPV-associated

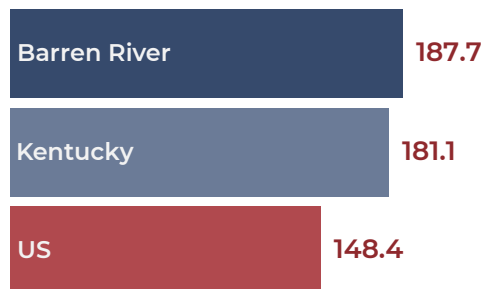


## ALL CANCER SITES INCIDENCE AND MORTALITY

Incidence



Mortality



## TOP 5 INCIDENCE RATES

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	2nd	112.6
Prostate	6th	97.8
Lung	7th	87.8
Colorectal	7th	48.2
Melanoma	8th	27.4

## TOP 5 MORTALITY RATES

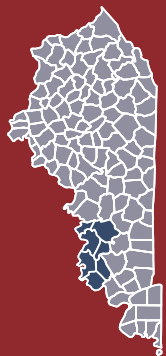
Cancer Site	of 15 ADDs	Rate/100k
Lung	9th	57.9
Female Breast	13th	23.4
Colorectal	9th	18.6
Prostate	3rd	16.9
Pancreas	9th	11.7

Rates are age adjusted per 100k residents

For ranking "of 15 ADDs":  
1st indicates best, 15th indicates worst

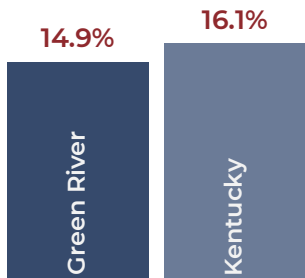
visit [CancerInFocus.uky.edu](http://CancerInFocus.uky.edu)  
for more detailed data

# Social Determinants of Health

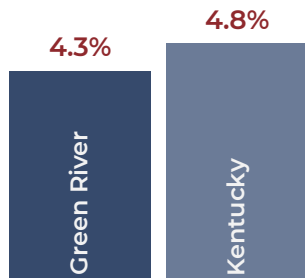


**48%** rural | **18%** age 65+ | **28%** medicaid | **5%** uninsured

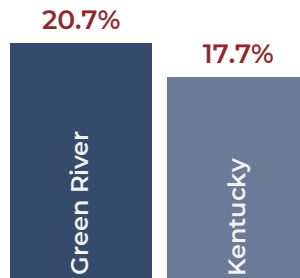
## Below Poverty



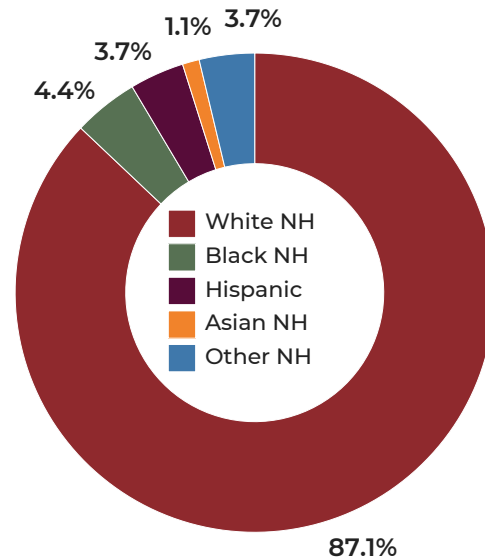
## Annual Unemployment



## On Disability



## Race and Ethnicity



## PEOPLE LACKING ACCESS



**6%**  
to healthy foods

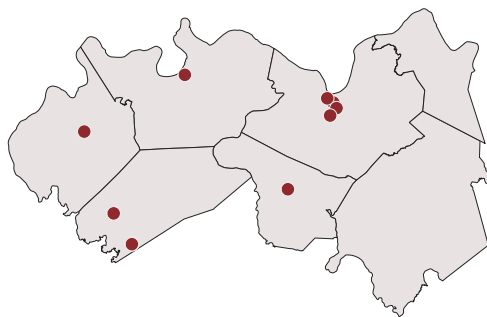


**34%**  
to parks and gyms

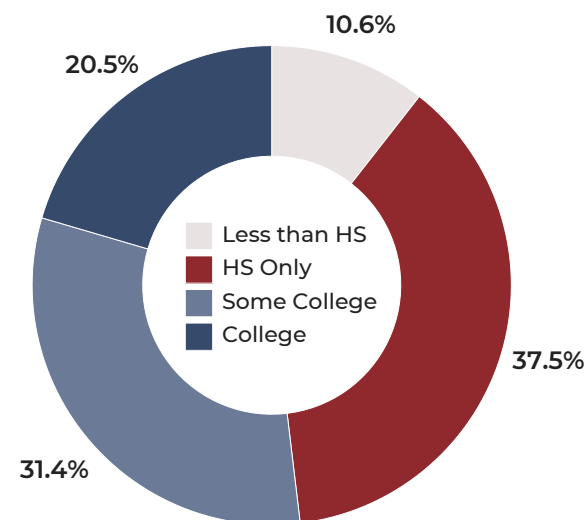


**12%**  
to high-speed  
broadband

## FEDERALLY-QUALIFIED HEALTH CENTER SITES



## Education Completed



## HEALTHCARE SYSTEM



- 5** Hospitals (**2** Critical Access Hospitals)
- 12** Federally-Qualified Health Centers
- 7** Rural Health Clinics

Population  
**215,803**  
Annual New  
Cancer Cases  
**1,348**

# Cancer-related Outcomes

## CANCER RISK FACTORS



**20%**  
currently  
smoke



**70%**  
unhealthy  
weight



**25%**  
physically  
inactive



**13%**  
unhealthy  
drinking

## SCREENING RATES & LATE-STAGE DIAGNOSIS



**43%**  
lung  
screen

1st of 15 ADDs

**70%**  
late stage

2nd of 15 ADDs



**85%**  
breast  
screen

3rd of 15 ADDs

**30%**  
late stage

3rd of 15 ADDs



**68%**  
colorectal  
screen

2nd of 15 ADDs

**65%**  
late stage

13th of 15 ADDs



**84%**  
Pap  
screen

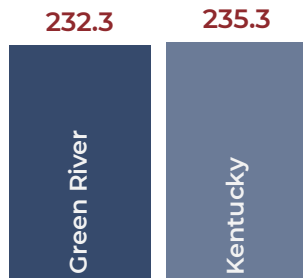
4th of 15 ADDs

**59%**  
late stage

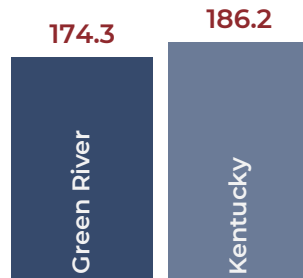
6th of 15 ADDs

## RISK-FACTOR ASSOCIATED CANCER INCIDENCE

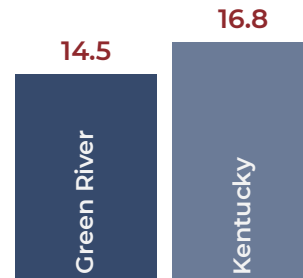
### Tobacco-associated



### Obesity-associated

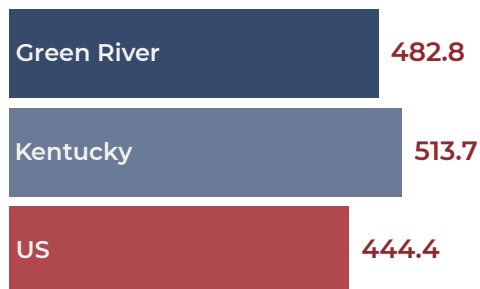


### HPV-associated

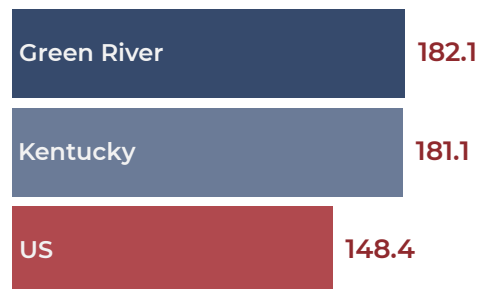


## ALL CANCER SITES INCIDENCE AND MORTALITY

### Incidence



### Mortality



## TOP 5 INCIDENCE RATES

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	6th	121.3
Prostate	11th	109.1
Lung	3rd	79.2
Colorectal	5th	44.9
Melanoma	10th	28.2

## TOP 5 MORTALITY RATES

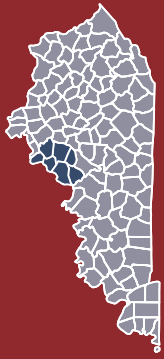
Cancer Site	of 15 ADDs	Rate/100k
Lung	4th	50.6
Female Breast	4th	20.0
Prostate	9th	18.9
Colorectal	5th	15.5
Pancreas	14th	13.2

Rates are age adjusted per 100k residents

For ranking "of 15 ADDs":  
1st indicates best, 15th indicates worst

visit [CancerInFocus.uky.edu](http://CancerInFocus.uky.edu)  
for more detailed data

# Social Determinants of Health



**KIPDA**  
AREA DEVELOPMENT DISTRICT (ADD)

2025 EDITION

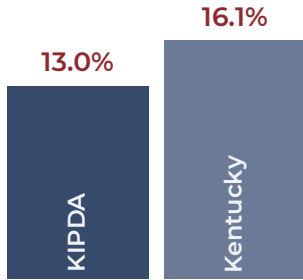
Population  
**1,021,980**

Annual New  
Cancer Cases  
**6,425**

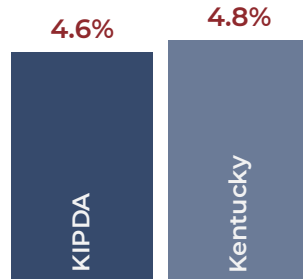


**0.8%** rural | **17%** age 65+ | **24%** medicaid | **5%** uninsured

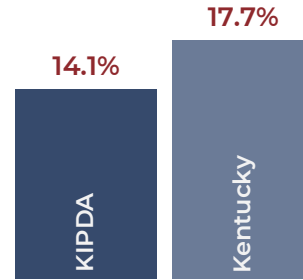
## Below Poverty



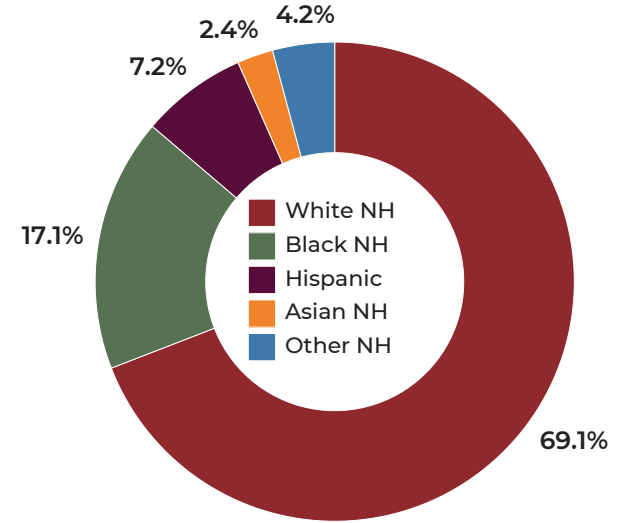
## Annual Employment



## On Disability



## Race and Ethnicity



## PEOPLE LACKING ACCESS



**6%**  
to healthy foods

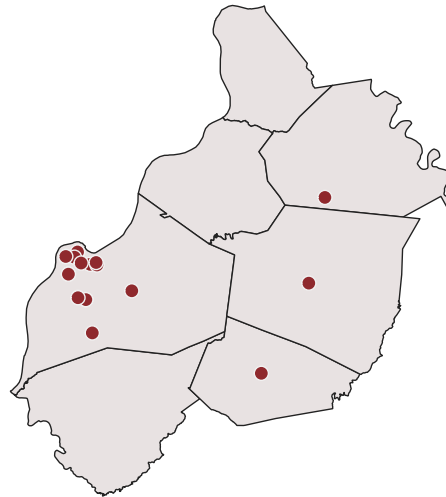


**13%**  
to parks and gyms



**15%**  
to high-speed  
broadband

## FEDERALLY-QUALIFIED HEALTH CENTER SITES

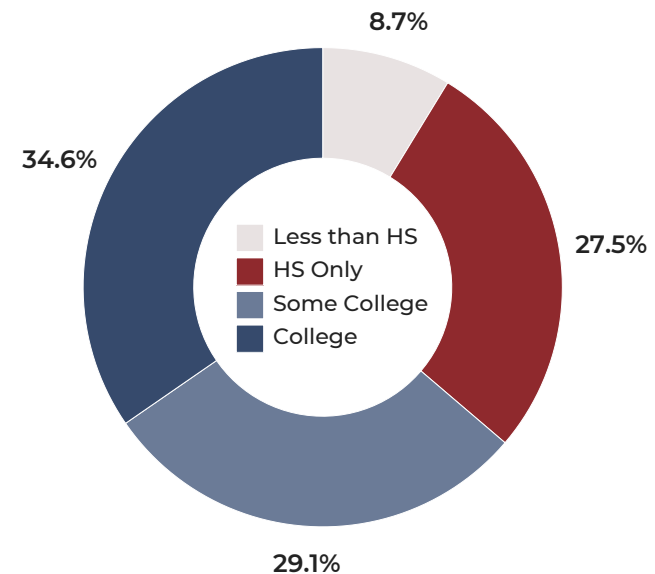


## HEALTHCARE SYSTEM



**14** Hospitals (**0** Critical Access Hospitals)  
**20** Federally-Qualified Health Centers  
**6** Rural Health Clinics

## Education Completed

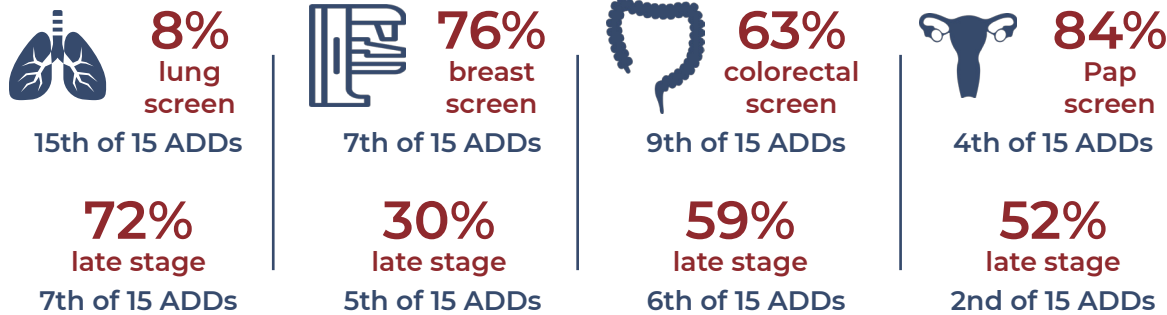


# Cancer-related Outcomes

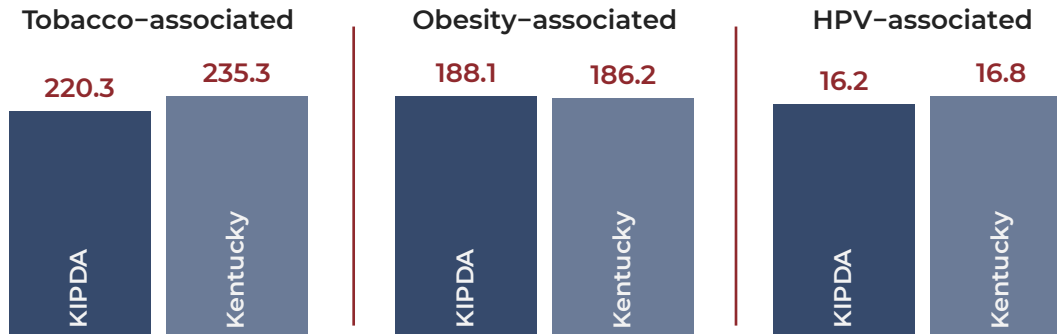
## CANCER RISK FACTORS



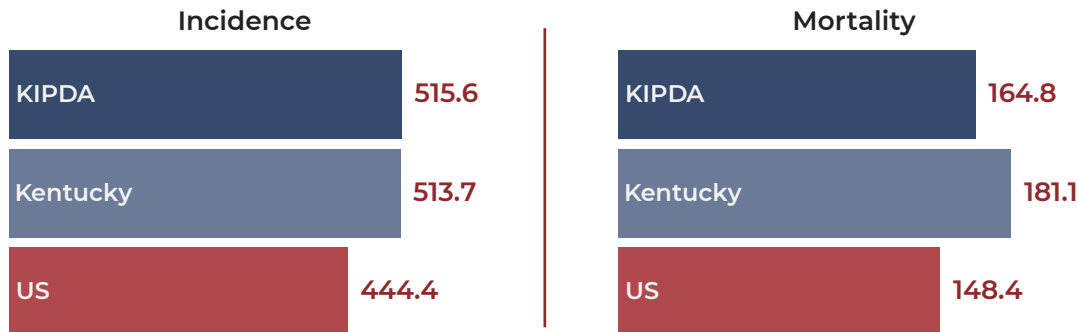
## SCREENING RATES & LATE-STAGE DIAGNOSIS



## RISK-FACTOR ASSOCIATED CANCER INCIDENCE



## ALL CANCER SITES INCIDENCE AND MORTALITY



## TOP 5 INCIDENCE RATES

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	15th	142.7
Prostate	15th	135.7
Lung	1st	73.9
Colorectal	2nd	42.6
Melanoma	11th	28.5

## TOP 5 MORTALITY RATES

Cancer Site	of 15 ADDs	Rate/100k
Lung	1st	43.8
Female Breast	3rd	19.9
Prostate	11th	19.4
Colorectal	1st	13.9
Pancreas	13th	12.8

Rates are age adjusted per 100k residents

For ranking "of 15 ADDs":  
1st indicates best, 15th indicates worst

visit [CancerInFocus.uky.edu](http://CancerInFocus.uky.edu)  
for more detailed data

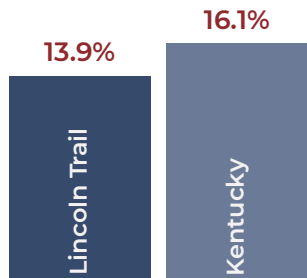


# Social Determinants of Health

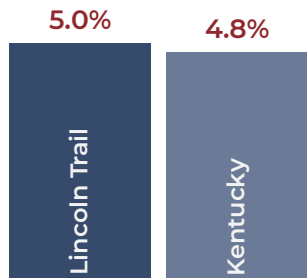


**28%** rural | **16%** age 65+ | **26%** medicaid | **5%** uninsured

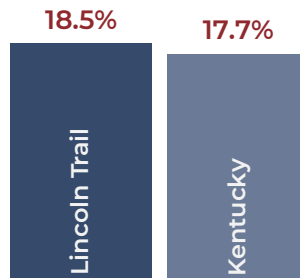
## Below Poverty



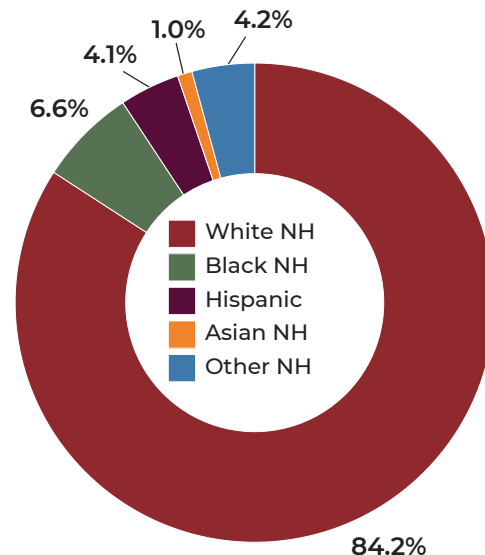
## Annual Unemployment



## On Disability



## Race and Ethnicity



**LINCOLN TRAIL**  
AREA DEVELOPMENT DISTRICT (ADD)

2025 EDITION

## PEOPLE LACKING ACCESS



**7%**  
to healthy foods

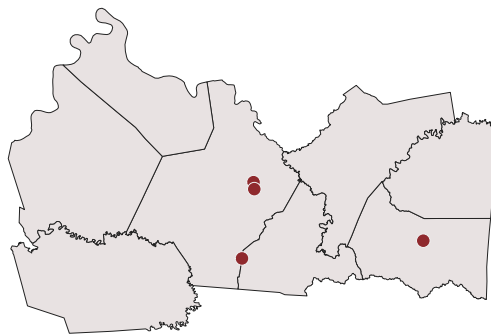


**47%**  
to parks and gyms



**19%**  
to high-speed broadband

## FEDERALLY-QUALIFIED HEALTH CENTER SITES

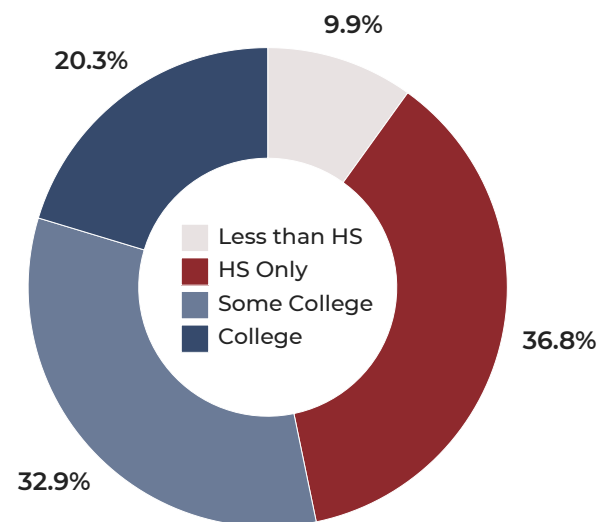


## HEALTHCARE SYSTEM



**9** Hospitals (**5** Critical Access Hospitals)  
**4** Federally-Qualified Health Centers  
**25** Rural Health Clinics

## Education Completed



Population  
**282,693**

Annual New Cancer Cases  
**1,806**

# Cancer-related Outcomes

## CANCER RISK FACTORS



**18%**  
currently  
smoke



**74%**  
unhealthy  
weight



**29%**  
physically  
inactive



**14%**  
unhealthy  
drinking

## SCREENING RATES & LATE-STAGE DIAGNOSIS



**20%**  
lung  
screen

7th of 15 ADDs

**73%**  
late stage

9th of 15 ADDs



**75%**  
breast  
screen

8th of 15 ADDs

**31%**  
late stage

7th of 15 ADDs



**63%**  
colorectal  
screen

11th of 15 ADDs

**60%**  
late stage

7th of 15 ADDs



**84%**  
Pap  
screen

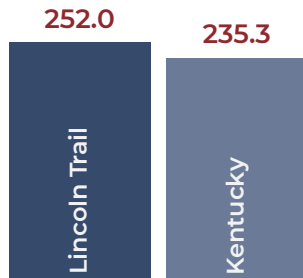
4th of 15 ADDs

**58%**  
late stage

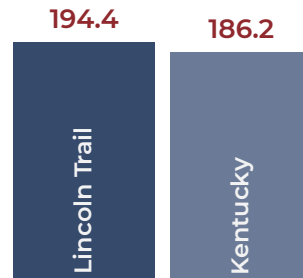
5th of 15 ADDs

## RISK-FACTOR ASSOCIATED CANCER INCIDENCE

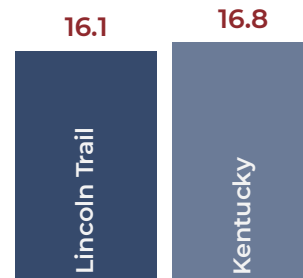
Tobacco-associated



Obesity-associated

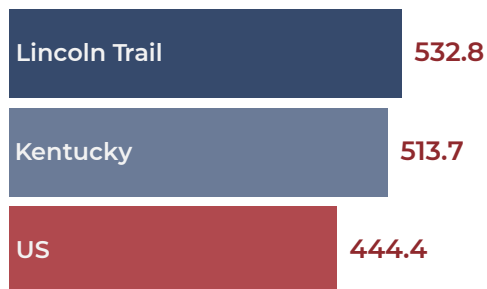


HPV-associated

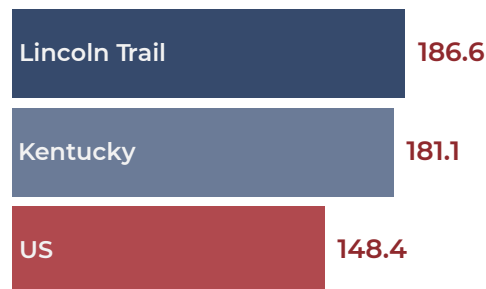


## ALL CANCER SITES INCIDENCE AND MORTALITY

Incidence



Mortality



## TOP 5 INCIDENCE RATES

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	7th	121.4
Prostate	12th	111.6
Lung	9th	90.2
Colorectal	8th	49.2
Melanoma	14th	31.3

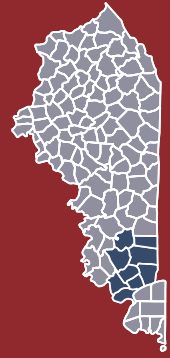
## TOP 5 MORTALITY RATES

Cancer Site	of 15 ADDs	Rate/100k
Lung	7th	55.8
Female Breast	12th	23.3
Colorectal	11th	19.2
Prostate	8th	17.9
Pancreas	11th	12.2

Rates are age adjusted per 100k residents

For ranking "of 15 ADDs":  
1st indicates best, 15th indicates worst

visit [CancerInFocus.uky.edu](http://CancerInFocus.uky.edu)  
for more detailed data



Population  
**214,370**

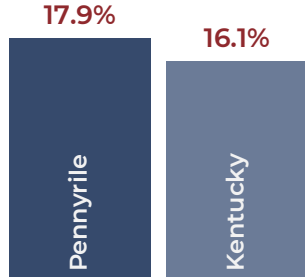
Annual New  
Cancer Cases  
**1,319**

# Social Determinants of Health

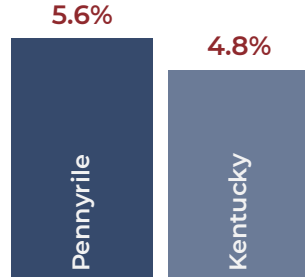


**55%** rural | **18%** age 65+ | **29%** medicaid | **8%** uninsured

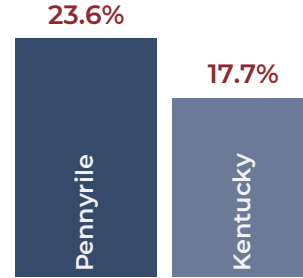
## Below Poverty



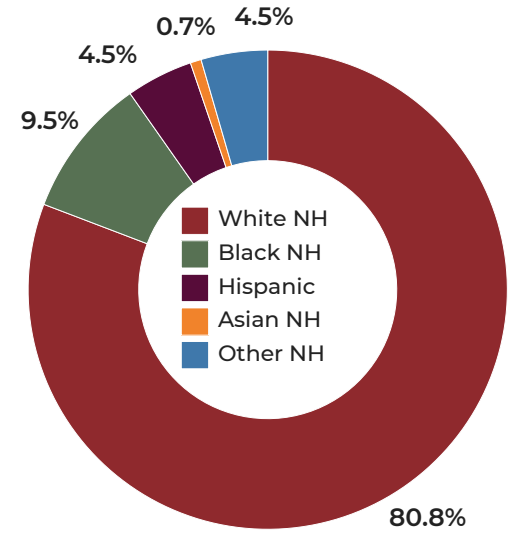
## Annual Unemployment



## On Disability



## Race and Ethnicity



## PEOPLE LACKING ACCESS



**8%**  
to healthy foods

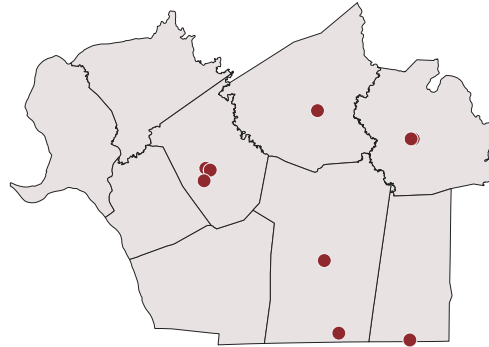


**46%**  
to parks and gyms



**18%**  
to high-speed  
broadband

## FEDERALLY-QUALIFIED HEALTH CENTER SITES



## HEALTHCARE SYSTEM

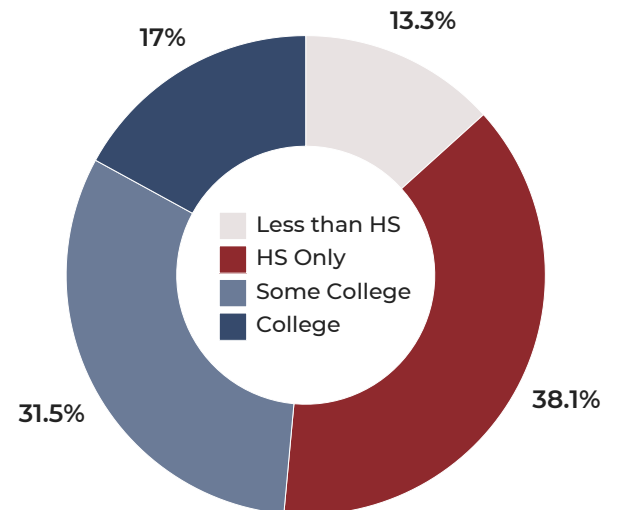


**11** Hospitals (**3** Critical Access Hospitals)

**11** Federally-Qualified Health Centers

**38** Rural Health Clinics

## Education Completed



# Cancer-related Outcomes

## CANCER RISK FACTORS



**22%**  
currently  
smoke



**73%**  
unhealthy  
weight



**27%**  
physically  
inactive



**10%**  
unhealthy  
drinking

## SCREENING RATES & LATE-STAGE DIAGNOSIS



**35%**  
lung  
screen

4th of 15 ADDs

**76%**  
late stage

14th of 15 ADDs



**85%**  
breast  
screen

2nd of 15 ADDs

**33%**  
late stage

9th of 15 ADDs



**68%**  
colorectal  
screen

3rd of 15 ADDs

**64%**  
late stage

12th of 15 ADDs



**84%**  
Pap  
screen

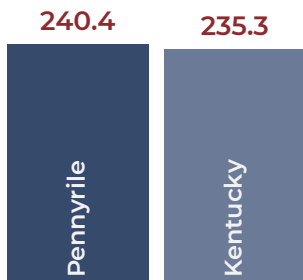
4th of 15 ADDs

**65%**  
late stage

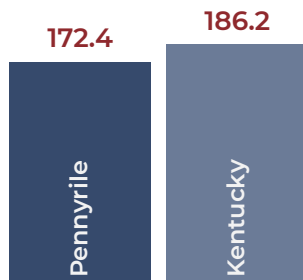
11th of 15 ADDs

## RISK-FACTOR ASSOCIATED CANCER INCIDENCE

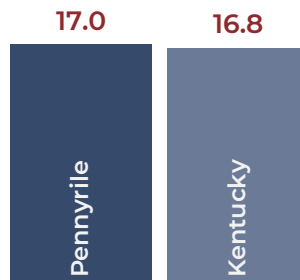
### Tobacco-associated



### Obesity-associated

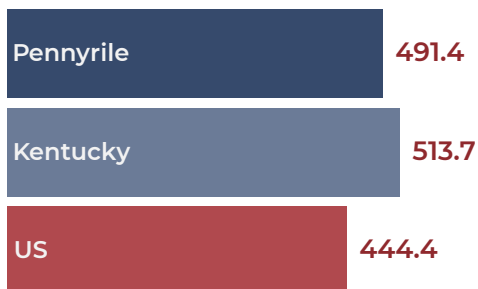


### HPV-associated

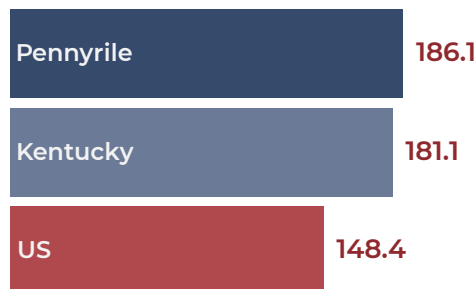


## ALL CANCER SITES INCIDENCE AND MORTALITY

### Incidence



### Mortality



## TOP 5 INCIDENCE RATES

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	11th	125.2
Prostate	8th	106.7
Lung	6th	87.0
Colorectal	6th	45.9
Bladder	12th	23.9

## TOP 5 MORTALITY RATES

Cancer Site	of 15 ADDs	Rate/100k
Lung	6th	53.6
Female Breast	5th	21.3
Prostate	6th	17.6
Colorectal	6th	16.0
Pancreas	12th	12.2

Rates are age adjusted per 100k residents

For ranking "of 15 ADDs":  
1st indicates best, 15th indicates worst

visit [CancerInFocus.uky.edu](http://CancerInFocus.uky.edu)  
for more detailed data

Population  
**197,157**

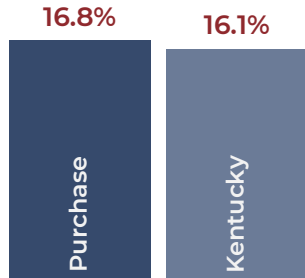
Annual New  
Cancer Cases  
**1,385**

# Social Determinants of Health

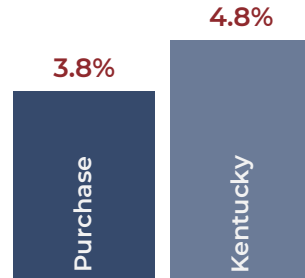


**59%** rural | **20%** age 65+ | **27%** medicaid | **7%** uninsured

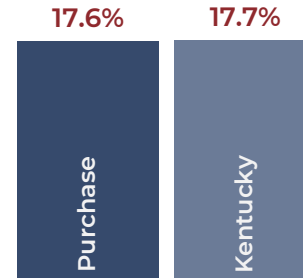
## Below Poverty



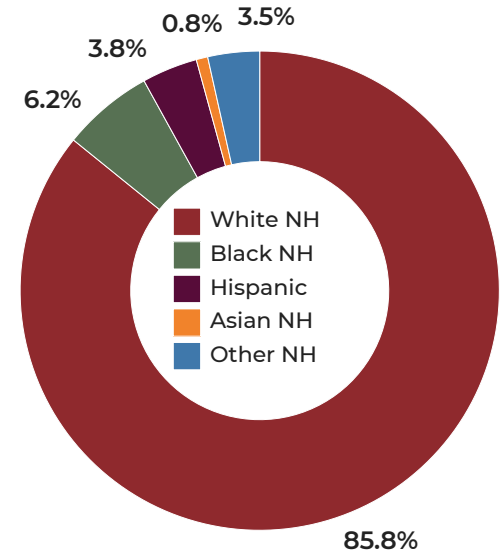
## Annual Unemployment



## On Disability



## Race and Ethnicity



## PEOPLE LACKING ACCESS



**8%**  
to healthy foods

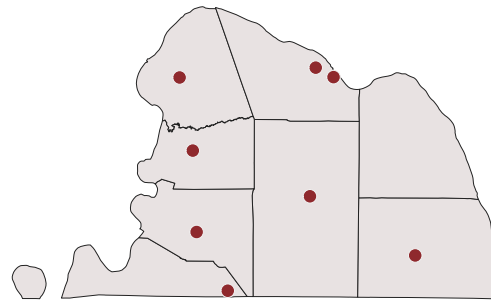


**38%**  
to parks and gyms



**7%**  
to high-speed  
broadband

## FEDERALLY-QUALIFIED HEALTH CENTER SITES



## HEALTHCARE SYSTEM

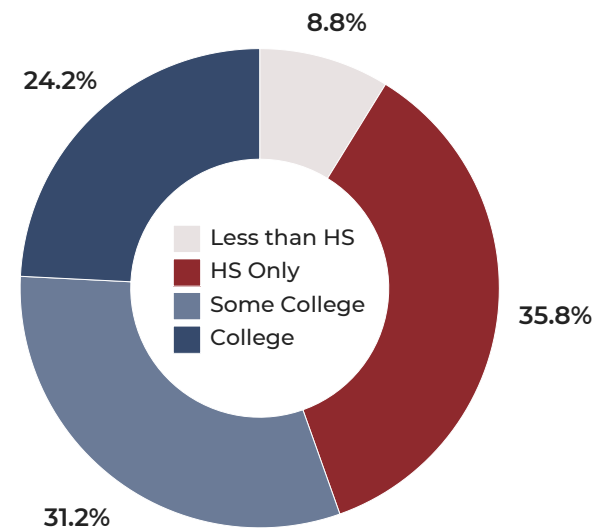


**6** Hospitals (**1** Critical Access Hospitals)

**8** Federally-Qualified Health Centers

**13** Rural Health Clinics

## Education Completed



# Cancer-related Outcomes

## CANCER RISK FACTORS



**17%**  
currently  
smoke



**71%**  
unhealthy  
weight



**28%**  
physically  
inactive



**13%**  
unhealthy  
drinking

## SCREENING RATES & LATE-STAGE DIAGNOSIS



**11%**  
lung  
screen

13th of 15 ADDs

**73%**  
late stage

8th of 15 ADDs



**71%**  
breast  
screen

9th of 15 ADDs

**28%**  
late stage

2nd of 15 ADDs



**71%**  
colorectal  
screen

1st of 15 ADDs

**54%**  
late stage

2nd of 15 ADDs



**84%**  
Pap  
screen

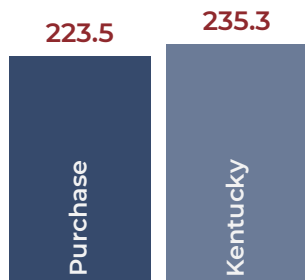
4th of 15 ADDs

**57%**  
late stage

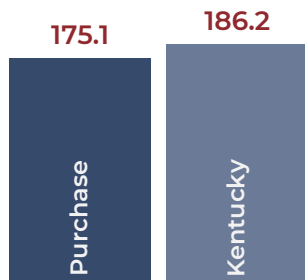
4th of 15 ADDs

## RISK-FACTOR ASSOCIATED CANCER INCIDENCE

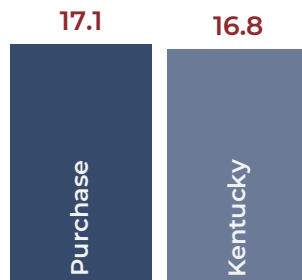
Tobacco-associated



Obesity-associated

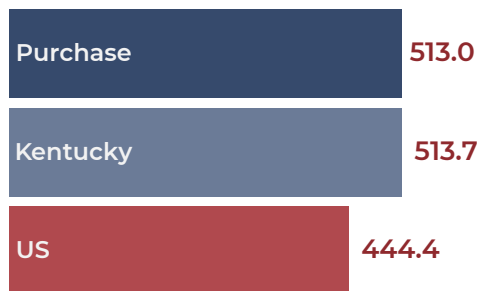


HPV-associated

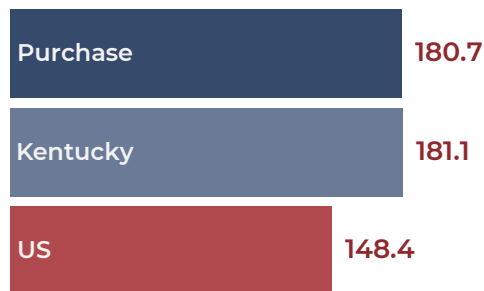


## ALL CANCER SITES INCIDENCE AND MORTALITY

Incidence



Mortality



## TOP 5 INCIDENCE RATES

Cancer Site	of 15 ADDs	Rate/100k
Prostate	14th	125.8
Female Breast	9th	124.0
Lung	4th	80.2
Colorectal	1st	41.3
Melanoma	15th	34.5

## TOP 5 MORTALITY RATES

Cancer Site	of 15 ADDs	Rate/100k
Lung	5th	53.0
Female Breast	7th	21.8
Prostate	7th	17.8
Colorectal	2nd	14.3
Pancreas	8th	11.2

Rates are age adjusted per 100k residents

For ranking "of 15 ADDs":  
1st indicates best, 15th indicates worst

visit [CancerInFocus.uky.edu](http://CancerInFocus.uky.edu)  
for more detailed data

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**KENTUCKY CANCER PROGRAM**  
**ADMINISTERED BY THE UNIVERSITY OF KENTUCKY**

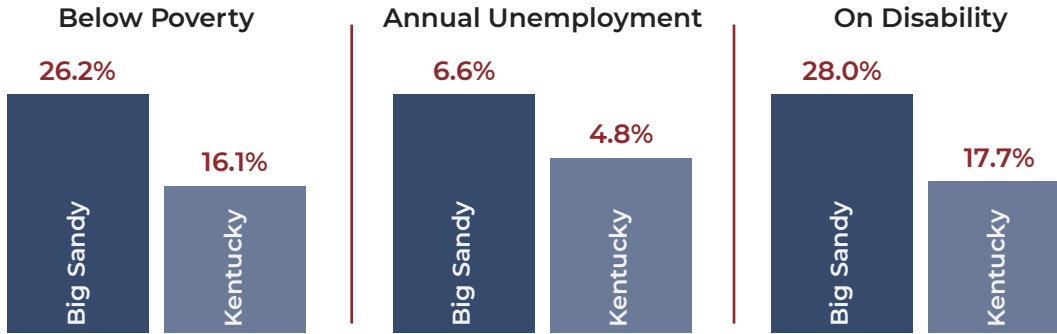
Population  
**137,948**

Annual New  
Cancer Cases  
**1,065**

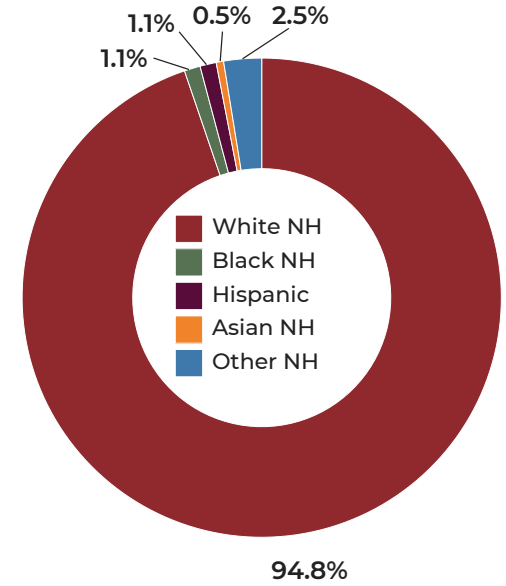
# Social Determinants of Health



**100%** rural | **19%** age 65+ | **41%** medicaid | **5%** uninsured



## Race and Ethnicity



## PEOPLE LACKING ACCESS



**1%**  
to healthy foods

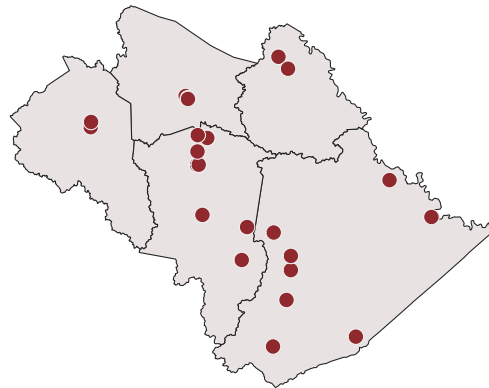


**64%**  
to parks and gyms



**6%**  
to high-speed  
broadband

## FEDERALLY-QUALIFIED HEALTH CENTER SITES

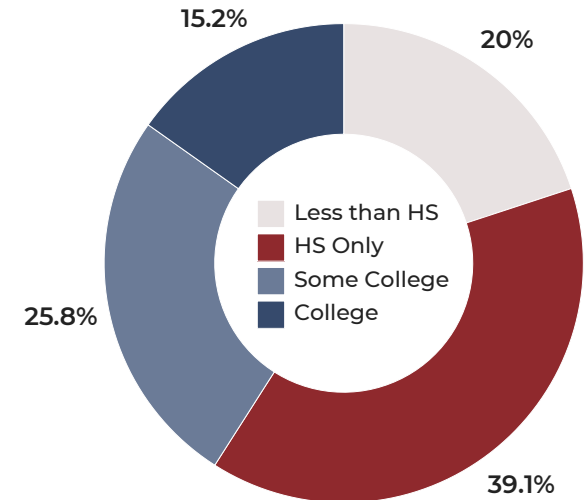


## HEALTHCARE SYSTEM



**6** Hospitals (**2** Critical Access Hospitals)  
**27** Federally-Qualified Health Centers  
**31** Rural Health Clinics

## Education Completed



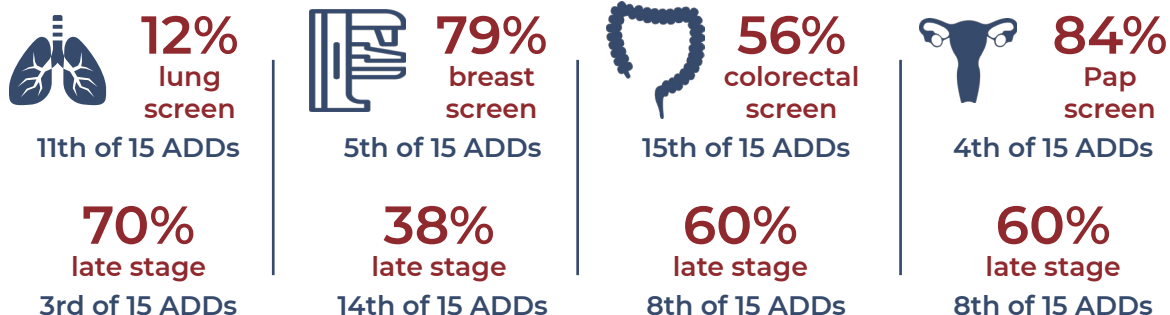


# Cancer-related Outcomes

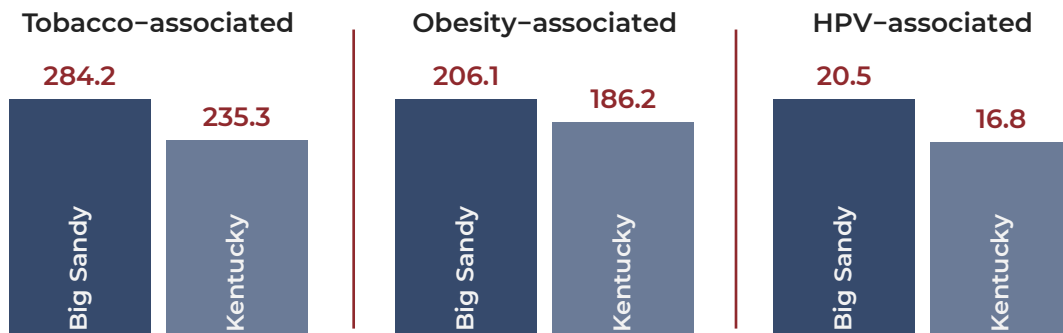
## CANCER RISK FACTORS



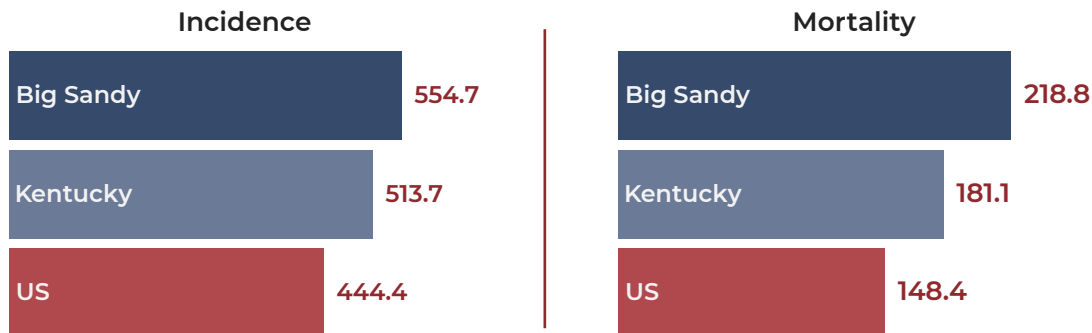
## SCREENING RATES & LATE-STAGE DIAGNOSIS



## RISK-FACTOR ASSOCIATED CANCER INCIDENCE



## ALL CANCER SITES INCIDENCE AND MORTALITY



## TOP 5 INCIDENCE RATES

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	8th	122.1
Lung	15th	112.6
Prostate	4th	95.0
Colorectal	14th	53.4
Uterine	15th	38.4

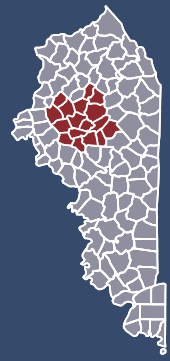
## TOP 5 MORTALITY RATES

Cancer Site	of 15 ADDs	Rate/100k
Lung	13th	72.0
Female Breast	14th	23.8
Colorectal	13th	20.5
Prostate	2nd	15.9
Pancreas	10th	11.7

Rates are age adjusted per 100k residents

For ranking "of 15 ADDs":  
1st indicates best, 15th indicates worst

visit [CancerInFocus.uky.edu](http://CancerInFocus.uky.edu)  
for more detailed data



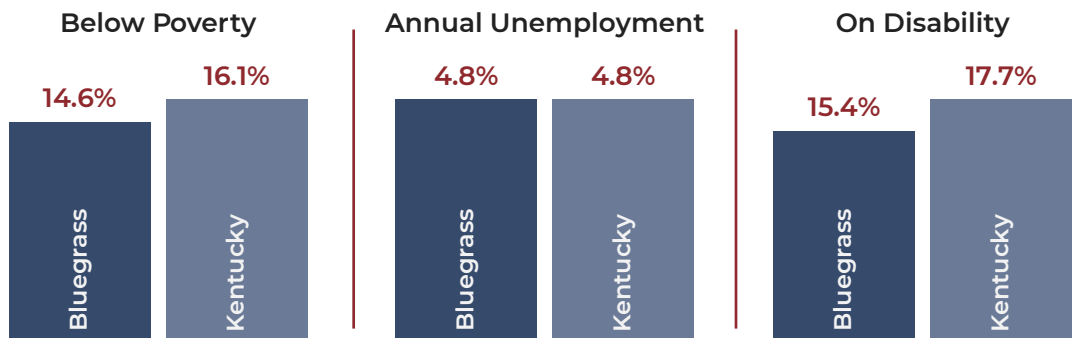
Population  
**836,158**

Annual New  
Cancer Cases  
**4,724**

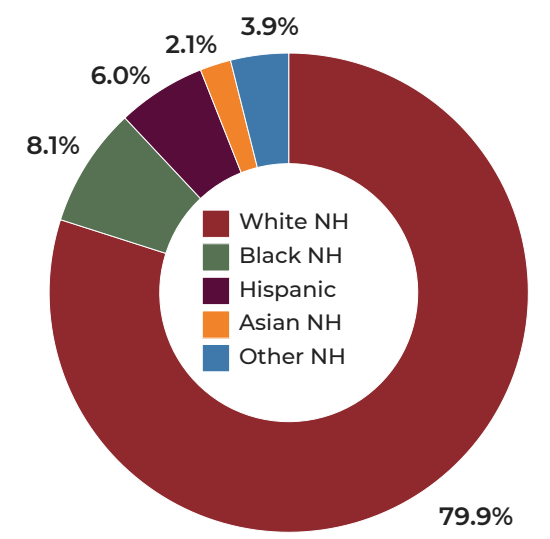
# Social Determinants of Health



**38%** rural | **16%** age 65+ | **24%** medicaid | **6%** uninsured



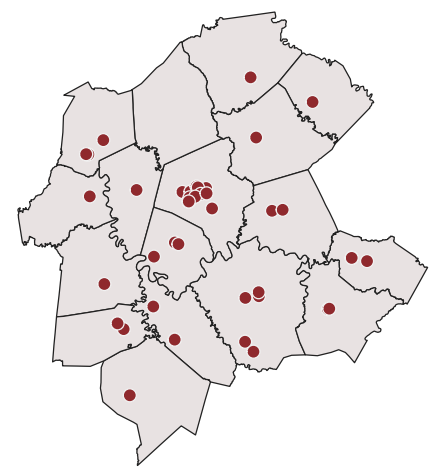
## Race and Ethnicity



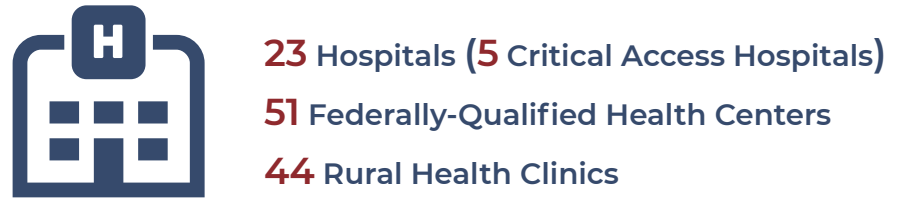
### PEOPLE LACKING ACCESS



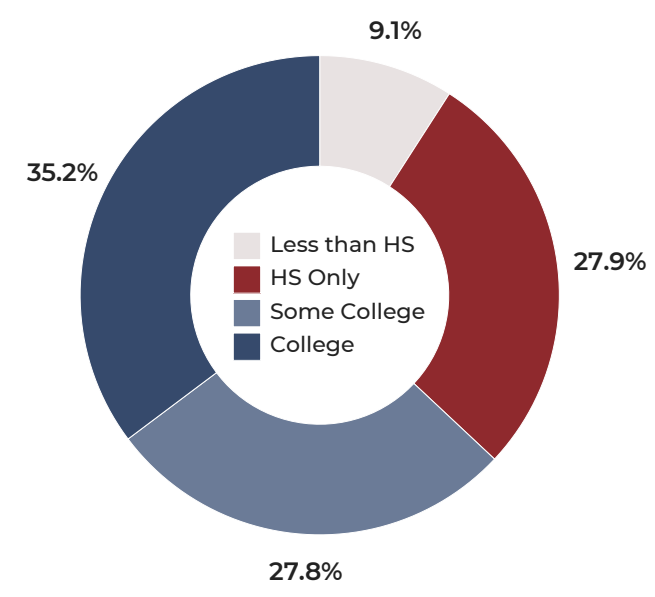
### FEDERALLY-QUALIFIED HEALTH CENTER SITES



### HEALTHCARE SYSTEM



## Education Completed

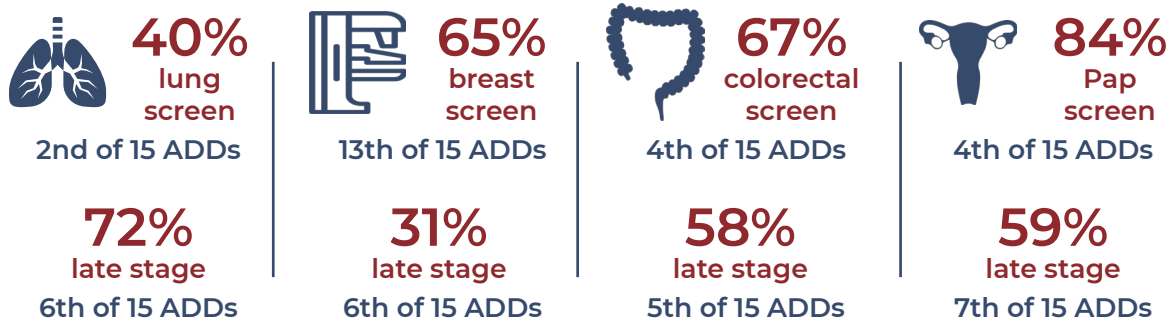


# Cancer-related Outcomes

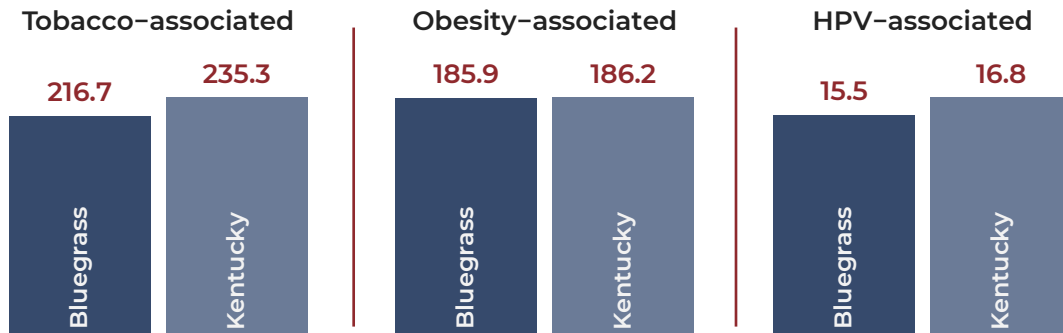
## CANCER RISK FACTORS



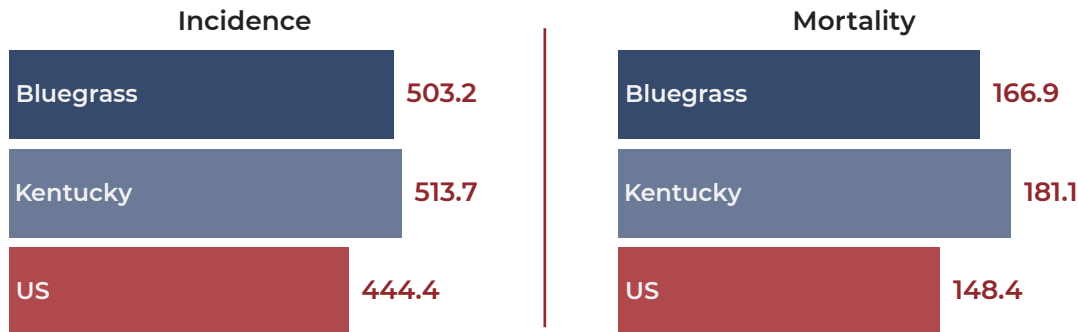
## SCREENING RATES & LATE-STAGE DIAGNOSIS



## RISK-FACTOR ASSOCIATED CANCER INCIDENCE



## ALL CANCER SITES INCIDENCE AND MORTALITY



## TOP 5 INCIDENCE RATES

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	14th	135.7
Prostate	13th	120.7
Lung	2nd	74.2
Colorectal	3rd	43.0
Melanoma	12th	29.5

## TOP 5 MORTALITY RATES

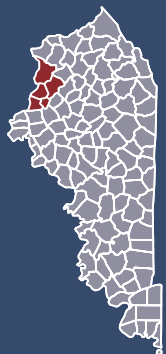
Cancer Site	of 15 ADDs	Rate/100k
Lung	2nd	45.8
Female Breast	8th	22.2
Prostate	5th	17.2
Colorectal	4th	14.8
Pancreas	3rd	10.1

Rates are age adjusted per 100k residents

For ranking "of 15 ADDs":  
1st indicates best, 15th indicates worst

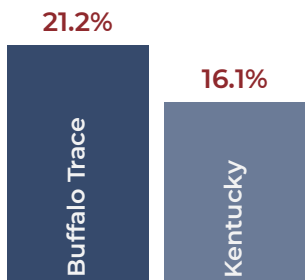
visit [CancerInFocus.uky.edu](http://CancerInFocus.uky.edu)  
for more detailed data

# Social Determinants of Health

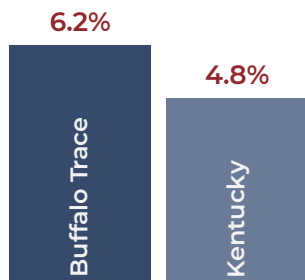


**85%** rural | **19%** age 65+ | **36%** medicaid | **6%** uninsured

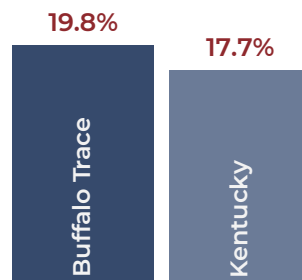
## Below Poverty



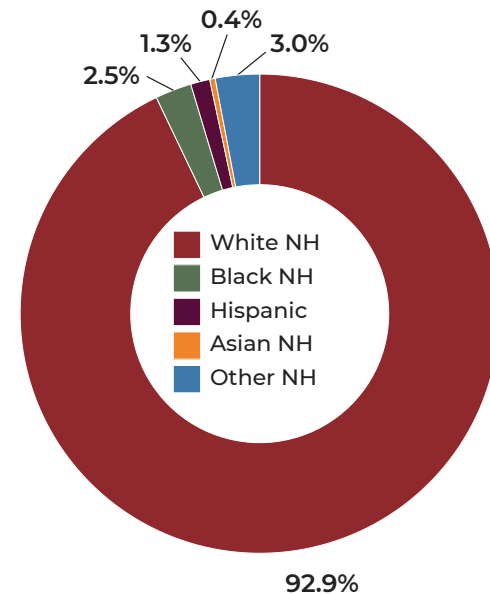
## Annual Unemployment



## On Disability



## Race and Ethnicity



## PEOPLE LACKING ACCESS



**4%**  
to healthy foods



**66%**  
to parks and gyms

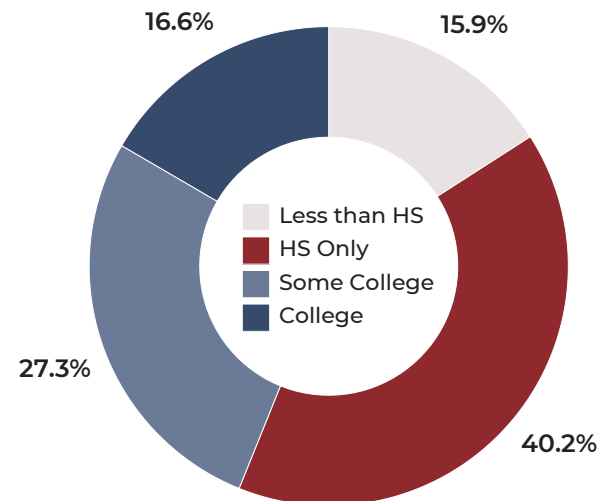


**41%**  
to high-speed broadband

## FEDERALLY-QUALIFIED HEALTH CENTER SITES



## Education Completed



## HEALTHCARE SYSTEM



- 2** Hospitals (**1** Critical Access Hospitals)
- 13** Federally-Qualified Health Centers
- 1** Rural Health Clinics

Population  
**55,910**

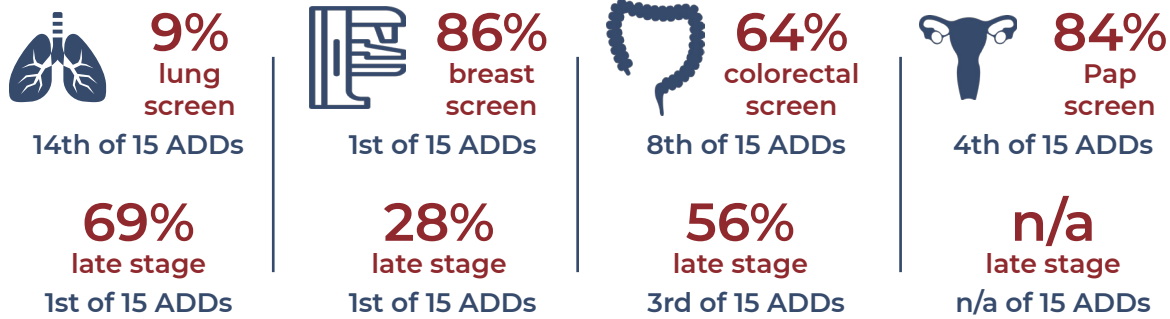
Annual New  
Cancer Cases  
**396**

# Cancer-related Outcomes

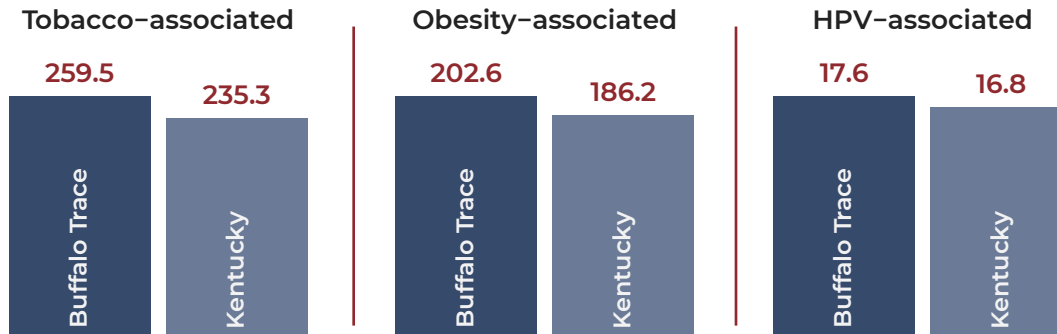
## CANCER RISK FACTORS



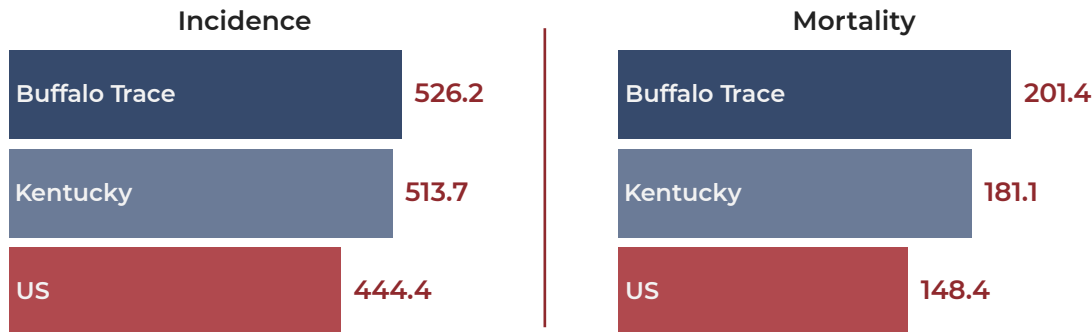
## SCREENING RATES & LATE-STAGE DIAGNOSIS



## RISK-FACTOR ASSOCIATED CANCER INCIDENCE



## ALL CANCER SITES INCIDENCE AND MORTALITY



## TOP 5 INCIDENCE RATES

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	12th	133.9
Prostate	9th	107.6
Lung	10th	91.0
Colorectal	15th	57.3
Uterine	8th	29.2

## TOP 5 MORTALITY RATES

Cancer Site	of 15 ADDs	Rate/100k
Lung	10th	58.9
Female Breast	9th	22.8
Prostate	15th	22.1
Colorectal	7th	18.2
Pancreas	1st	9.8

Rates are age adjusted per 100k residents

For ranking "of 15 ADDs":  
1st indicates best, 15th indicates worst

visit [CancerInFocus.uky.edu](http://CancerInFocus.uky.edu)  
for more detailed data

Population  
**228,835**

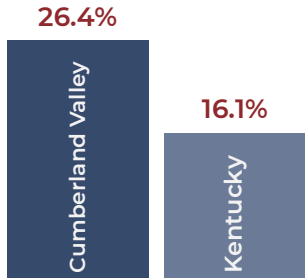
Annual New  
Cancer Cases  
**1,564**

# Social Determinants of Health

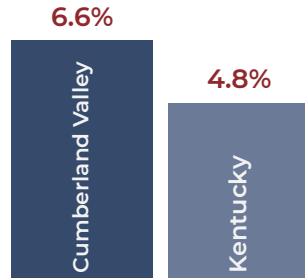


**100%** rural | **17%** age 65+ | **42%** medicaid | **7%** uninsured

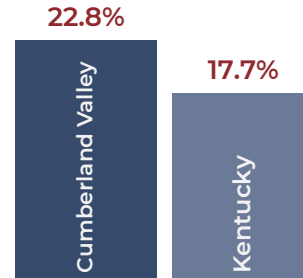
## Below Poverty



## Annual Unemployment



## On Disability



## PEOPLE LACKING ACCESS



**9%**  
to healthy foods

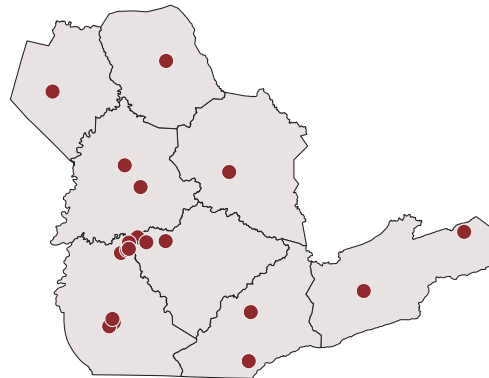


**35%**  
to parks and gyms



**15%**  
to high-speed  
broadband

## FEDERALLY-QUALIFIED HEALTH CENTER SITES

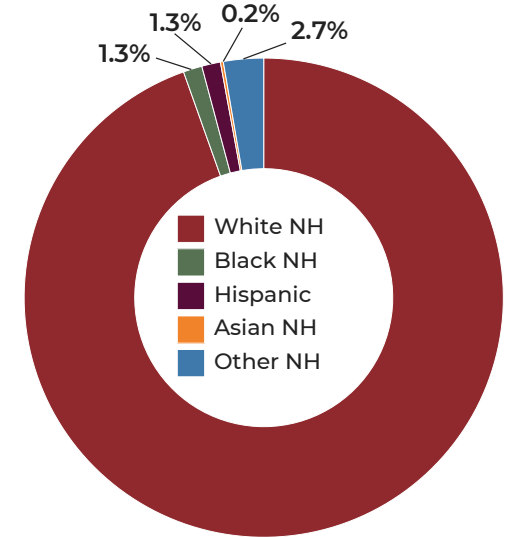


## HEALTHCARE SYSTEM

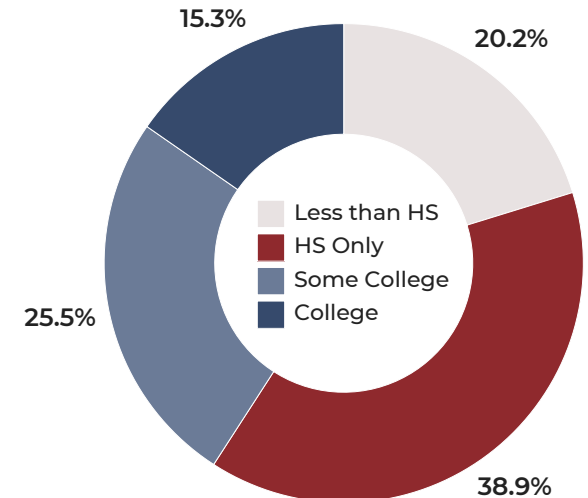


**9** Hospitals (**1** Critical Access Hospitals)  
**23** Federally-Qualified Health Centers  
**69** Rural Health Clinics

## Race and Ethnicity



## Education Completed



# Cancer-related Outcomes

## CANCER RISK FACTORS



**17%**  
currently  
smoke



**78%**  
unhealthy  
weight



**27%**  
physically  
inactive



**8%**  
unhealthy  
drinking

## SCREENING RATES & LATE-STAGE DIAGNOSIS



**29%**  
lung  
screen

5th of 15 ADDs

**75%**  
late stage

12th of 15 ADDs



**69%**  
breast  
screen

12th of 15 ADDs

**39%**  
late stage

15th of 15 ADDs



**61%**  
colorectal  
screen

12th of 15 ADDs

**64%**  
late stage

11th of 15 ADDs



**84%**  
Pap  
screen

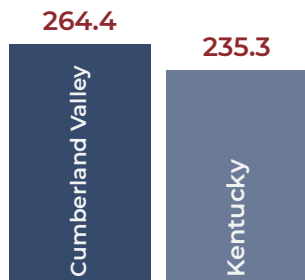
4th of 15 ADDs

**66%**  
late stage

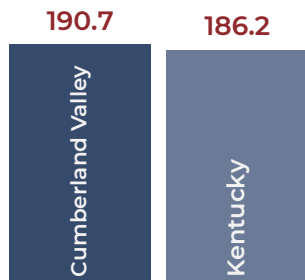
12th of 15 ADDs

## RISK-FACTOR ASSOCIATED CANCER INCIDENCE

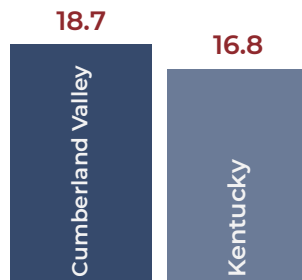
Tobacco-associated



Obesity-associated

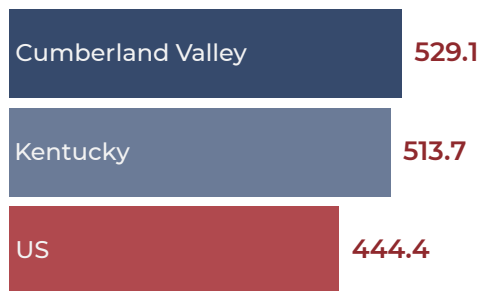


HPV-associated

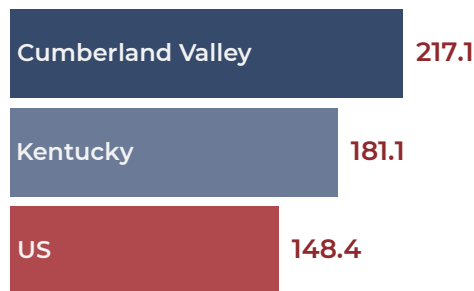


## ALL CANCER SITES INCIDENCE AND MORTALITY

Incidence



Mortality



## TOP 5 INCIDENCE RATES

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	3rd	114.7
Lung	14th	111.0
Prostate	2nd	87.9
Colorectal	9th	50.0
Uterine	14th	33.4

## TOP 5 MORTALITY RATES

Cancer Site	of 15 ADDs	Rate/100k
Lung	15th	74.6
Prostate	13th	20.2
Colorectal	12th	19.4
Female Breast	2nd	19.3
Pancreas	5th	10.7

Rates are age adjusted per 100k residents

For ranking "of 15 ADDs":  
1st indicates best, 15th indicates worst

visit [CancerInFocus.uky.edu](http://CancerInFocus.uky.edu)  
for more detailed data

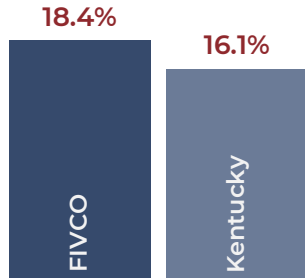


# Social Determinants of Health

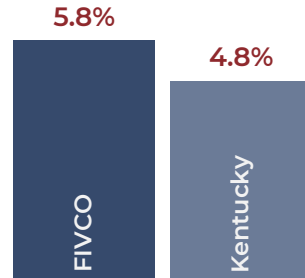


**55%** rural | **21%** age 65+ | **31%** medicaid | **6%** uninsured

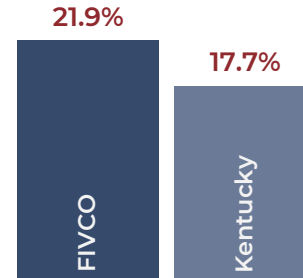
## Below Poverty



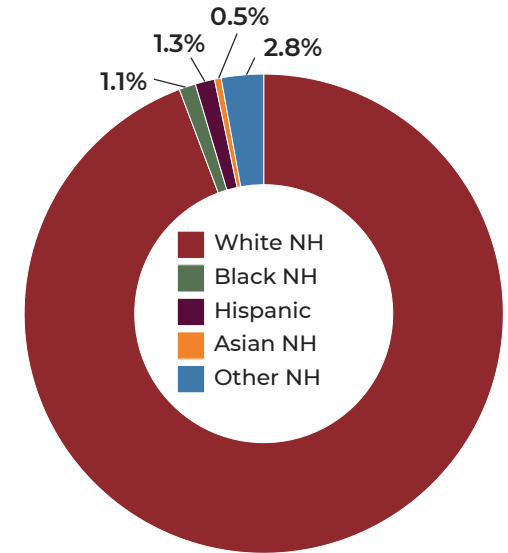
## Annual Unemployment



## On Disability



## Race and Ethnicity



**FIVCO**  
AREA DEVELOPMENT DISTRICT (ADD)  
2025 EDITION

## PEOPLE LACKING ACCESS



**9%**  
to healthy foods



**49%**  
to parks and gyms



**16%**  
to high-speed broadband

## FEDERALLY-QUALIFIED HEALTH CENTER SITES

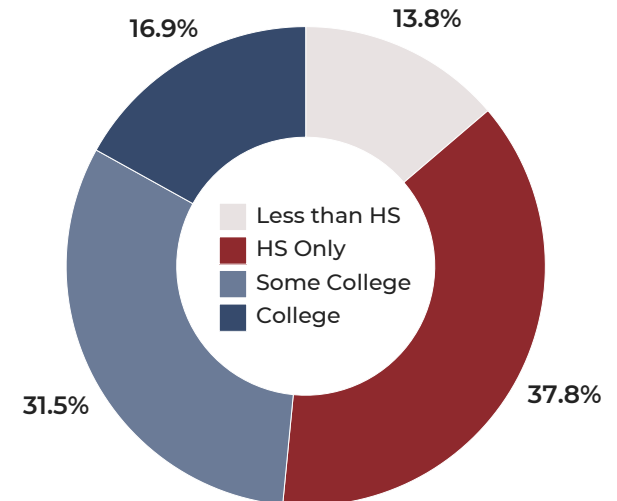


## HEALTHCARE SYSTEM



**2** Hospitals (**0** Critical Access Hospitals)  
**7** Federally-Qualified Health Centers  
**10** Rural Health Clinics

## Education Completed



Population  
**133,704**

Annual New  
Cancer Cases  
**988**



# Cancer-related Outcomes

## CANCER RISK FACTORS



**25%**  
currently  
smoke



**78%**  
unhealthy  
weight



**35%**  
physically  
inactive



**10%**  
unhealthy  
drinking

## SCREENING RATES & LATE-STAGE DIAGNOSIS



**16%**  
lung  
screen

8th of 15 ADDs

**71%**

late stage

5th of 15 ADDs



**76%**  
breast  
screen

6th of 15 ADDs

**35%**

late stage

10th of 15 ADDs



**65%**  
colorectal  
screen

5th of 15 ADDs

**54%**

late stage

1st of 15 ADDs



**84%**  
Pap  
screen

4th of 15 ADDs

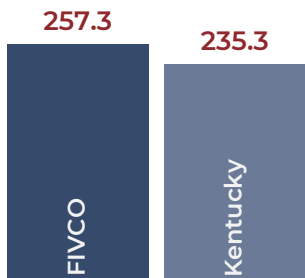
**56%**

late stage

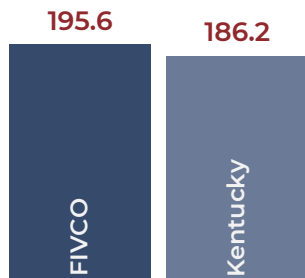
3rd of 15 ADDs

## RISK-FACTOR ASSOCIATED CANCER INCIDENCE

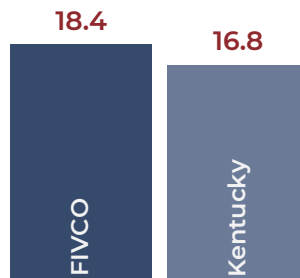
Tobacco-associated



Obesity-associated

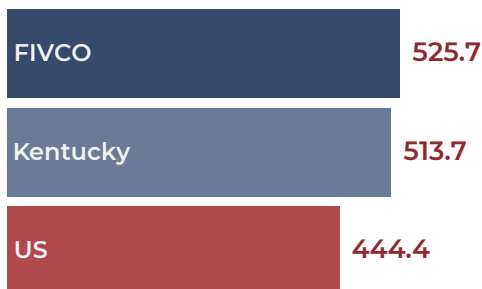


HPV-associated

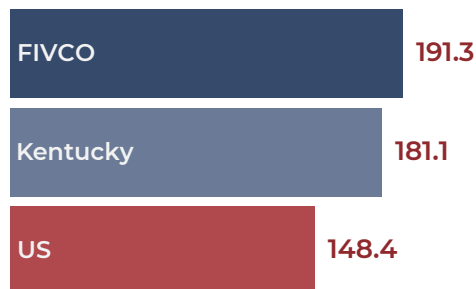


## ALL CANCER SITES INCIDENCE AND MORTALITY

Incidence



Mortality



## TOP 5 INCIDENCE RATES

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	10th	124.0
Prostate	7th	105.5
Lung	8th	89.3
Colorectal	13th	53.1
Uterine	10th	30.0

## TOP 5 MORTALITY RATES

Cancer Site	of 15 ADDs	Rate/100k
Lung	8th	56.7
Female Breast	6th	21.4
Prostate	12th	20.1
Colorectal	10th	18.8
Pancreas	6th	11.0

Rates are age adjusted per 100k residents

For ranking "of 15 ADDs":  
1st indicates best, 15th indicates worst

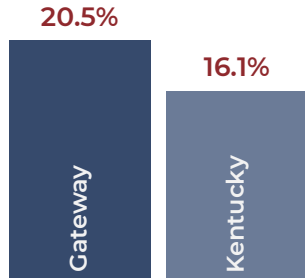
visit [CancerInFocus.uky.edu](http://CancerInFocus.uky.edu)  
for more detailed data

# Social Determinants of Health

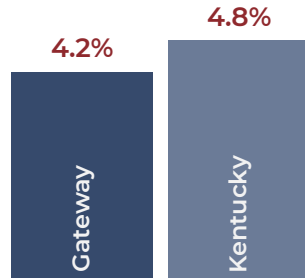


**100%** rural | **17%** age 65+ | **33%** medicaid | **7%** uninsured

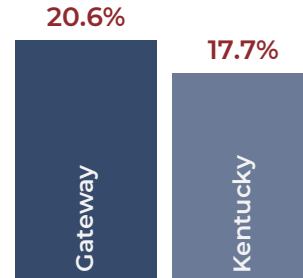
## Below Poverty



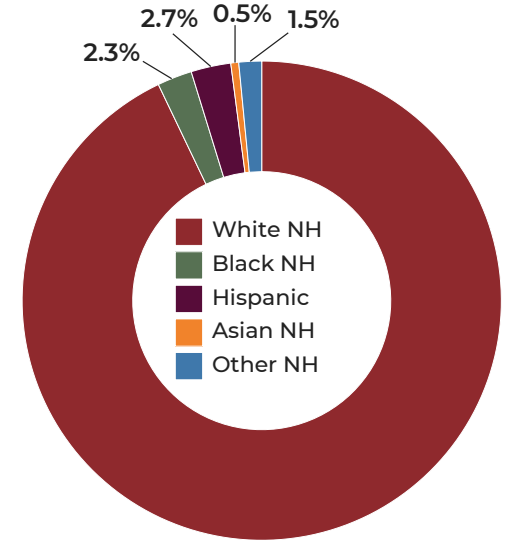
## Annual Unemployment



## On Disability



## Race and Ethnicity



## PEOPLE LACKING ACCESS



**3%**  
to healthy foods



**42%**  
to parks and gyms



**14%**  
to high-speed  
broadband

## FEDERALLY-QUALIFIED HEALTH CENTER SITES

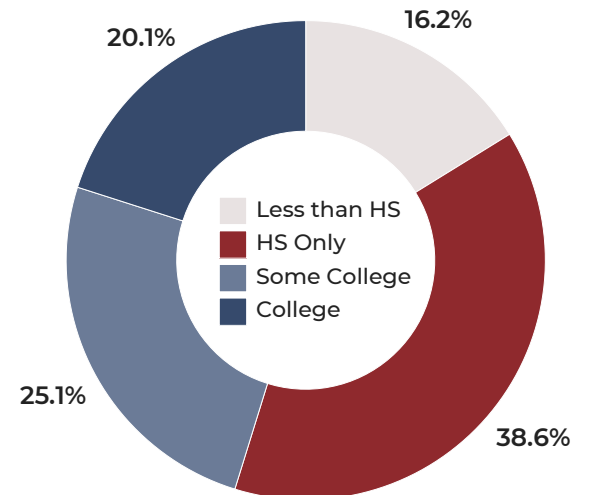


## HEALTHCARE SYSTEM



- 3** Hospitals (**1** Critical Access Hospitals)
- 12** Federally-Qualified Health Centers
- 13** Rural Health Clinics

## Education Completed



Population  
**85,749**

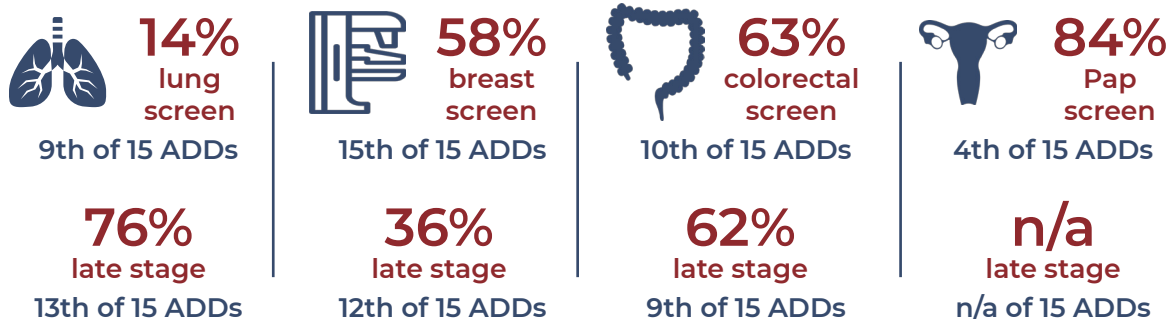
Annual New  
Cancer Cases  
**528**

# Cancer-related Outcomes

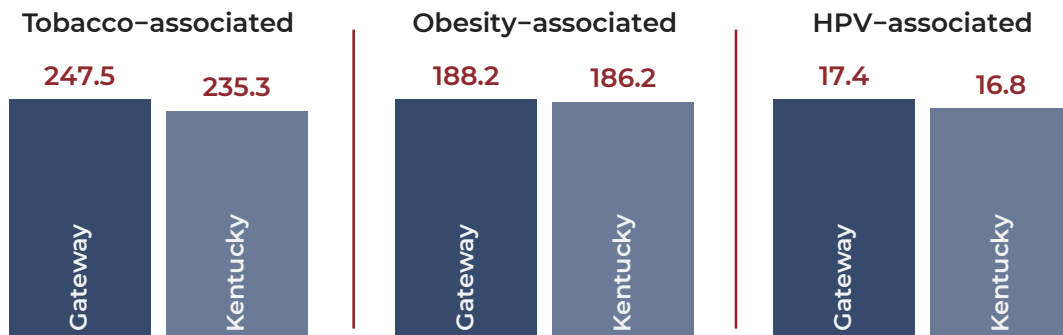
## CANCER RISK FACTORS



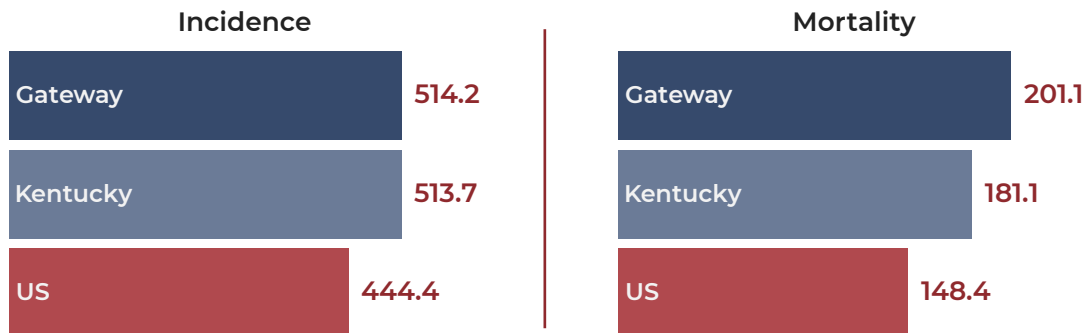
## SCREENING RATES & LATE-STAGE DIAGNOSIS



## RISK-FACTOR ASSOCIATED CANCER INCIDENCE



## ALL CANCER SITES INCIDENCE AND MORTALITY



## TOP 5 INCIDENCE RATES

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	5th	118.4
Lung	12th	96.9
Prostate	3rd	92.5
Colorectal	11th	52.5
Uterine	12th	32.0

## TOP 5 MORTALITY RATES

Cancer Site	of 15 ADDs	Rate/100k
Lung	12th	68.0
Colorectal	15th	23.5
Female Breast	10th	23.3
Prostate	1st	11.7
Pancreas	4th	10.2

Rates are age adjusted per 100k residents

For ranking "of 15 ADDs":  
1st indicates best, 15th indicates worst

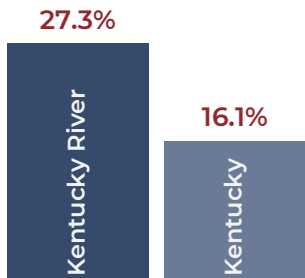
visit [CancerInFocus.uky.edu](http://CancerInFocus.uky.edu)  
for more detailed data

# Social Determinants of Health

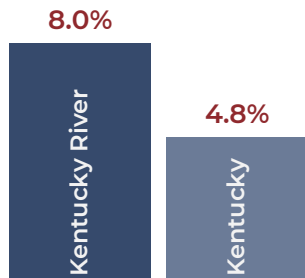


**100%** rural | **19%** age 65+ | **49%** medicaid | **3%** uninsured

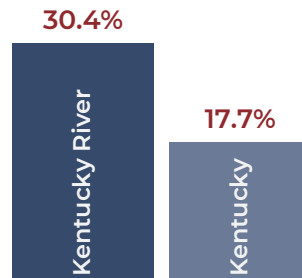
## Below Poverty



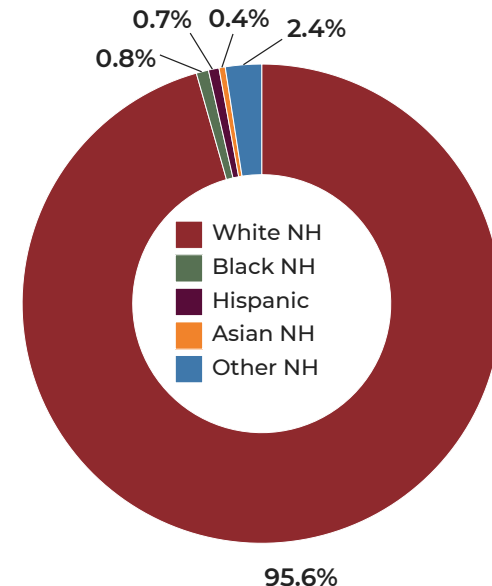
## Annual Unemployment



## On Disability



## Race and Ethnicity



## PEOPLE LACKING ACCESS



**3%** to healthy foods



**52%** to parks and gyms



**15%** to high-speed broadband

## FEDERALLY-QUALIFIED HEALTH CENTER SITES

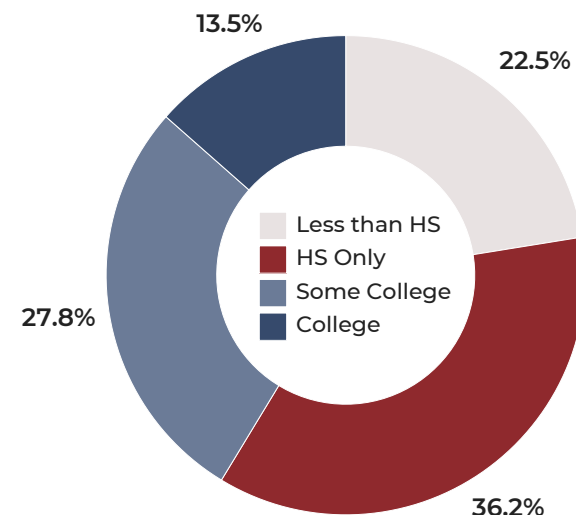


## HEALTHCARE SYSTEM



**4** Hospitals (**1** Critical Access Hospitals)  
**32** Federally-Qualified Health Centers  
**31** Rural Health Clinics

## Education Completed

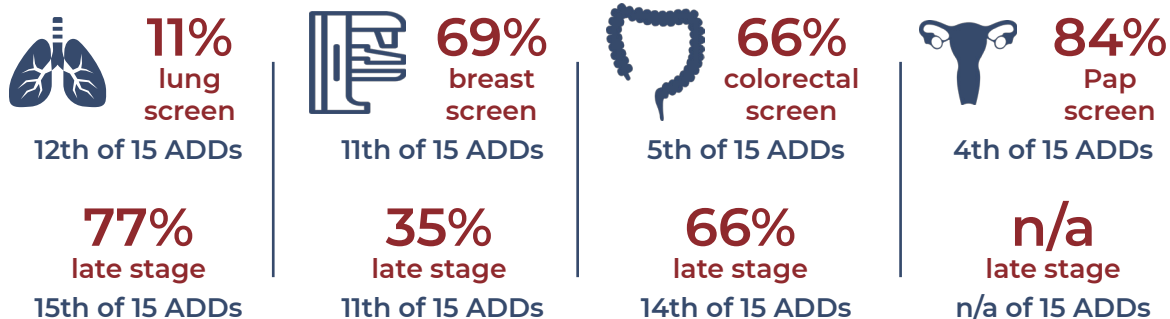


# Cancer-related Outcomes

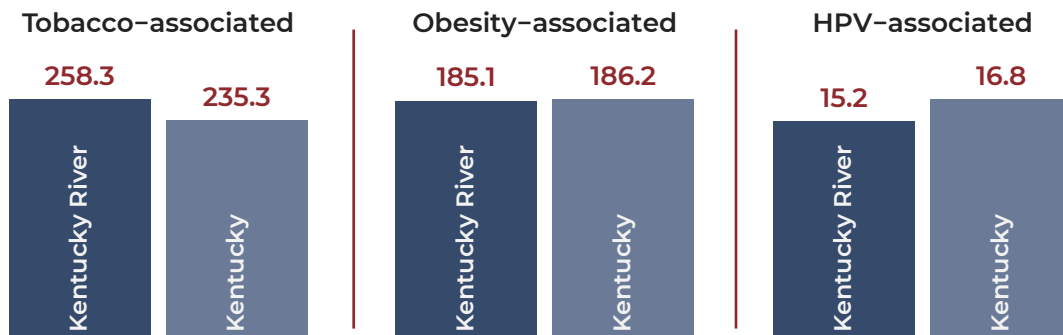
## CANCER RISK FACTORS



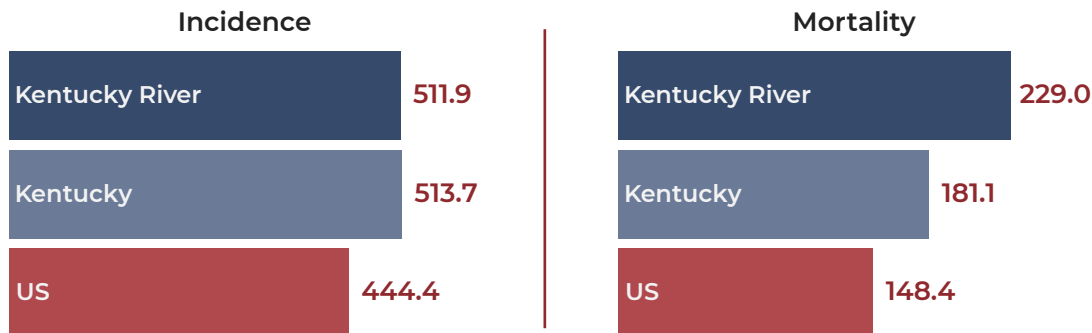
## SCREENING RATES & LATE-STAGE DIAGNOSIS



## RISK-FACTOR ASSOCIATED CANCER INCIDENCE



## ALL CANCER SITES INCIDENCE AND MORTALITY



## TOP 5 INCIDENCE RATES

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	1st	107.4
Lung	13th	105.7
Prostate	1st	80.9
Colorectal	12th	52.7
Uterine	13th	32.8

## TOP 5 MORTALITY RATES

Cancer Site	of 15 ADDs	Rate/100k
Lung	14th	72.6
Female Breast	15th	25.9
Colorectal	14th	22.6
Prostate	14th	21.5
Pancreas	7th	11.1

Rates are age adjusted per 100k residents

For ranking "of 15 ADDs":  
1st indicates best, 15th indicates worst

visit [CancerInFocus.uky.edu](http://CancerInFocus.uky.edu)  
for more detailed data

Population  
**207,755**

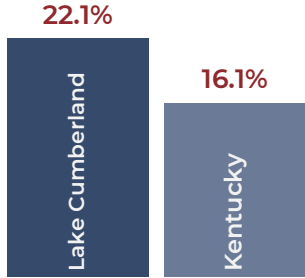
Annual New  
Cancer Cases  
**1,516**

# Social Determinants of Health

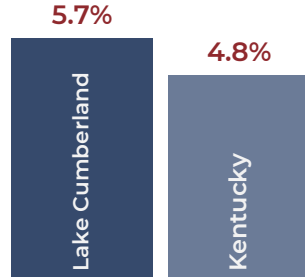


**100%** rural | **20%** age 65+ | **38%** medicaid | **7%** uninsured

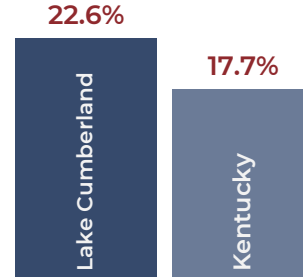
## Below Poverty



## Annual Unemployment



## On Disability



## PEOPLE LACKING ACCESS



**5%**  
to healthy foods

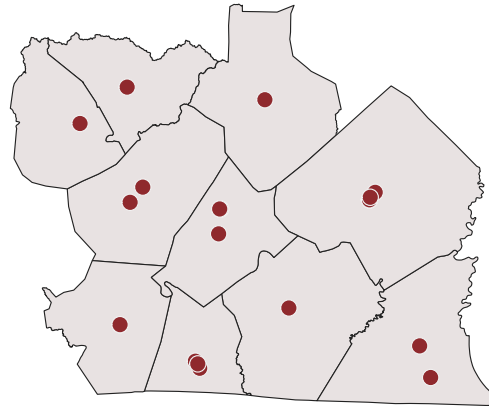


**48%**  
to parks and gyms



**27%**  
to high-speed  
broadband

## FEDERALLY-QUALIFIED HEALTH CENTER SITES

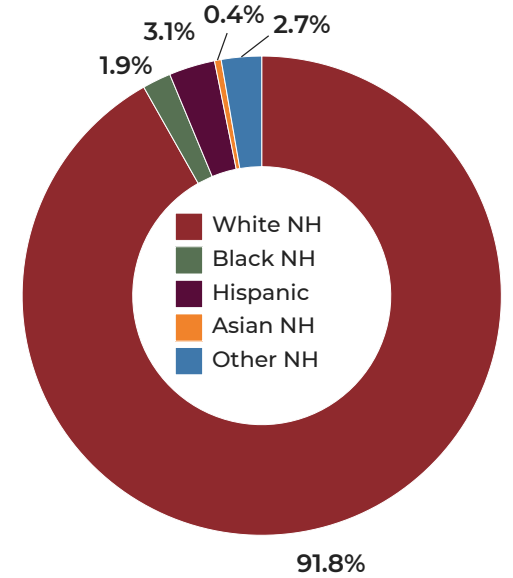


## HEALTHCARE SYSTEM

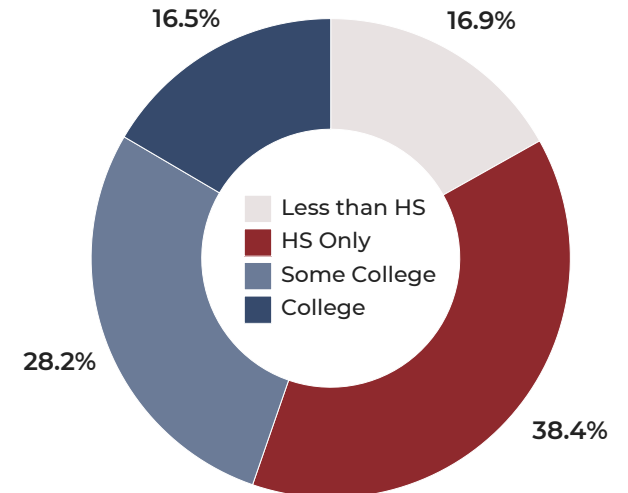


- 9** Hospitals (**5** Critical Access Hospitals)
- 24** Federally-Qualified Health Centers
- 35** Rural Health Clinics

## Race and Ethnicity



## Education Completed



# Cancer-related Outcomes

## CANCER RISK FACTORS



**21%**  
currently  
smoke



**75%**  
unhealthy  
weight



**35%**  
physically  
inactive



**6%**  
unhealthy  
drinking

## SCREENING RATES & LATE-STAGE DIAGNOSIS



**12%**  
lung  
screen

10th of 15 ADDs

**73%**  
late stage

10th of 15 ADDs



**65%**  
breast  
screen

14th of 15 ADDs

**31%**  
late stage

8th of 15 ADDs



**58%**  
colorectal  
screen

14th of 15 ADDs

**57%**  
late stage

4th of 15 ADDs



**84%**  
Pap  
screen

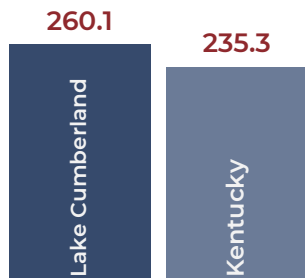
4th of 15 ADDs

**63%**  
late stage

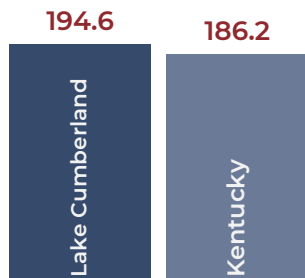
9th of 15 ADDs

## RISK-FACTOR ASSOCIATED CANCER INCIDENCE

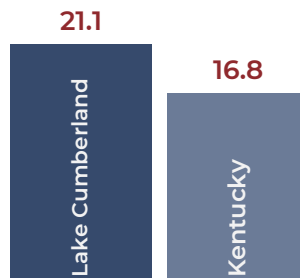
Tobacco-associated



Obesity-associated

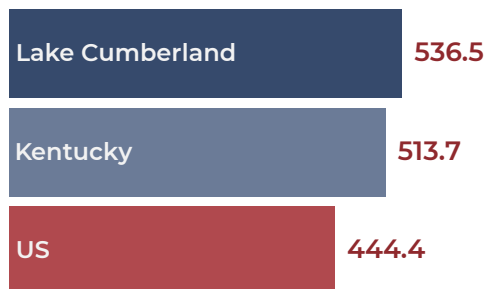


HPV-associated

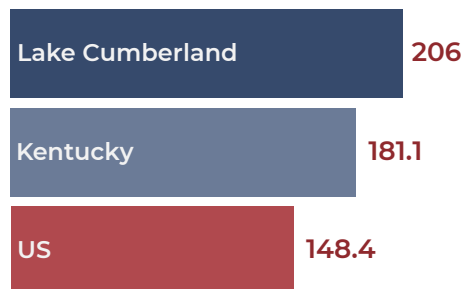


## ALL CANCER SITES INCIDENCE AND MORTALITY

Incidence



Mortality



## TOP 5 INCIDENCE RATES

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	4th	118.0
Prostate	5th	97.7
Lung	11th	91.3
Colorectal	10th	52.1
Uterine	9th	29.6

## TOP 5 MORTALITY RATES

Cancer Site	of 15 ADDs	Rate/100k
Lung	11th	61.1
Female Breast	11th	23.3
Colorectal	8th	18.2
Prostate	4th	17.0
Pancreas	15th	13.7

Rates are age adjusted per 100k residents

For ranking "of 15 ADDs":  
1st indicates best, 15th indicates worst

visit [CancerInFocus.uky.edu](http://CancerInFocus.uky.edu)  
for more detailed data

Population  
**471,504**

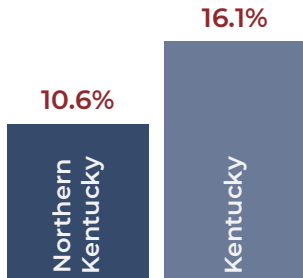
Annual New  
Cancer Cases  
**2,807**

# Social Determinants of Health

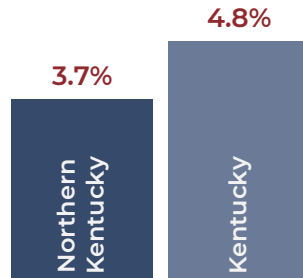


**47%** rural | **16%** age 65+ | **19%** medicaid | **5%** uninsured

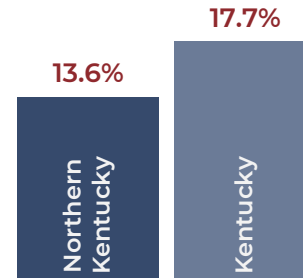
## Below Poverty



## Annual Unemployment



## On Disability



## PEOPLE LACKING ACCESS



**7%**  
to healthy foods

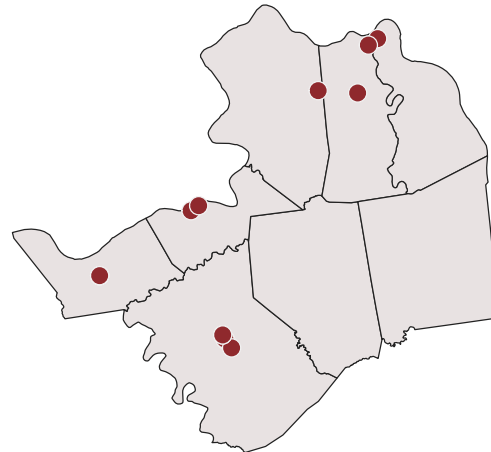


**21%**  
to parks and gyms



**15%**  
to high-speed  
broadband

## FEDERALLY-QUALIFIED HEALTH CENTER SITES

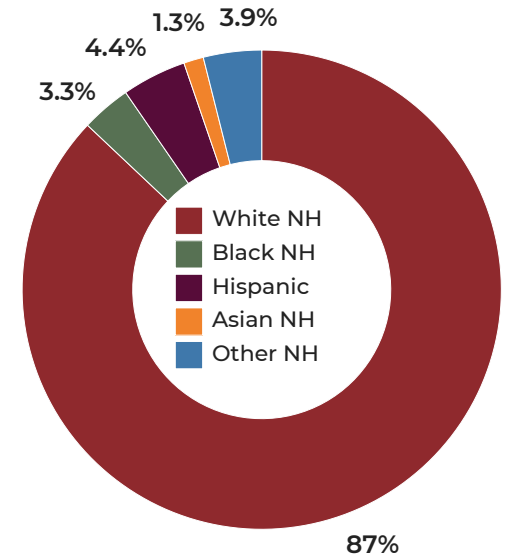


## HEALTHCARE SYSTEM

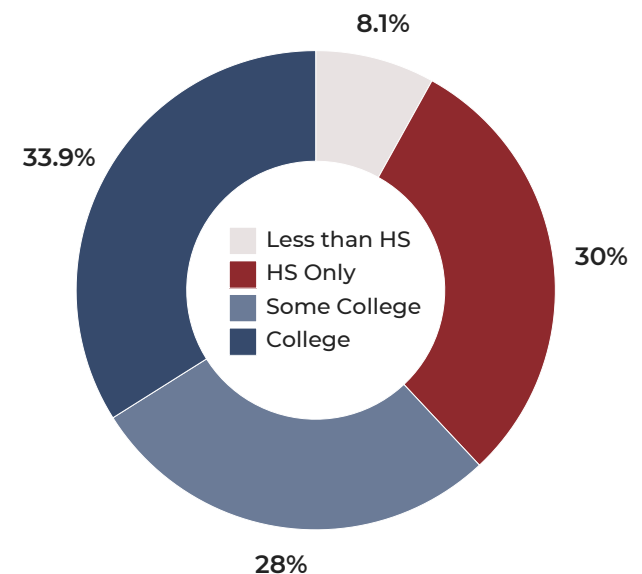


**9** Hospitals (**2** Critical Access Hospitals)  
**15** Federally-Qualified Health Centers  
**2** Rural Health Clinics

## Race and Ethnicity



## Education Completed





# Cancer-related Outcomes

## CANCER RISK FACTORS



**16%**  
currently  
smoke



**73%**  
unhealthy  
weight



**25%**  
physically  
inactive



**23%**  
unhealthy  
drinking

## SCREENING RATES & LATE-STAGE DIAGNOSIS



**36%**  
lung  
screen

3rd of 15 ADDs

**71%**

late stage

4th of 15 ADDs



**70%**  
breast  
screen

10th of 15 ADDs

**30%**

late stage

4th of 15 ADDs



**64%**  
colorectal  
screen

7th of 15 ADDs

**62%**

late stage

10th of 15 ADDs



**84%**  
Pap  
screen

4th of 15 ADDs

**65%**

late stage

10th of 15 ADDs

## RISK-FACTOR ASSOCIATED CANCER INCIDENCE

### Tobacco-associated

229.6

235.3

Northern  
Kentucky

Kentucky

### Obesity-associated

185.8

186.2

Northern  
Kentucky

Kentucky

### HPV-associated

17.1

16.8

Northern  
Kentucky

Kentucky

## ALL CANCER SITES INCIDENCE AND MORTALITY

### Incidence

Northern Kentucky 514.8

Kentucky 513.7

US 444.4

### Mortality

Northern Kentucky 163.8

Kentucky 181.1

US 148.4

## TOP 5 INCIDENCE RATES

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	13th	134.9
Prostate	10th	108.4
Lung	5th	86.1
Colorectal	4th	43.4
Uterine	11th	31.8

## TOP 5 MORTALITY RATES

Cancer Site	of 15 ADDs	Rate/100k
Lung	3rd	47.3
Prostate	10th	19.4
Female Breast	1st	19.0
Colorectal	3rd	14.8
Pancreas	2nd	10.0

Rates are age adjusted per 100k residents

For ranking "of 15 ADDs":  
1st indicates best, 15th indicates worst

visit [CancerInFocus.uky.edu](http://CancerInFocus.uky.edu)  
for more detailed data

University of Kentucky Markey Cancer Center  
Community Impact Office

For more information, email [CIOData@uky.edu](mailto:CIOData@uky.edu)

