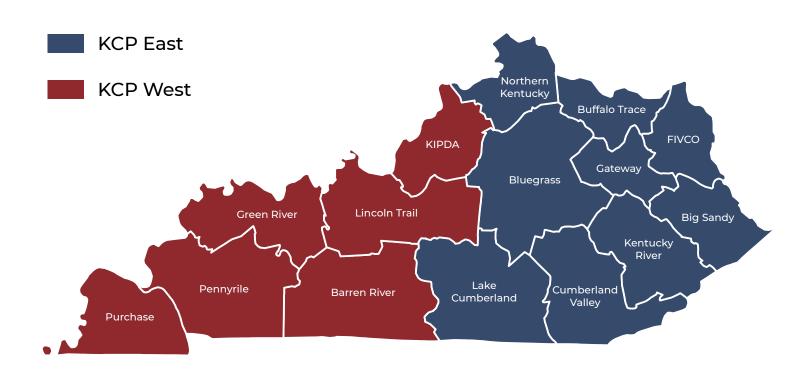


AREA DEVELOPMENT DISTRICT PROFILES

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 (KCP East) and University of Louisville (KCP West)—has been charged with leading this task in Kentucky.



ADD PROFILE SOURCES

American Community Survey, 5-year Estimates, 2015-2019	Total population and age, sex, race and ethnicity breakdowns; Education completed; Uninsured; Median income; Living below poverty; Internet devices
County Health Rankings & Roadmaps, 2021	Access to parks and gyms
Health Resources and Services Administration, 2021	Hospitals and clinics; Geographic Health Professional Shortage Areas
Kentucky Behavioral Risk Factor Survey, 2016-2019	Smoking; Unhealthy weight; Physical inactivity; Unhealthy drinking (2018-2019) Female breast, colorectal and Pap screening rates (2016 and 2018) Lung screening rates (2017 and 2019)
Kentucky Cabinet for Health & Family Services, 2019	Medicaid enrollment
Kentucky Cancer Registry, 2014-2018	Cancer incidence and mortality rates; Late-stage diagnosis
US Department of Agriculture, Economic Research Service, 2019	Access to healthy foods

DATA DEFINITIONS

Access to healthy foods	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.
Access to parks and gyms	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.
Breast, colorectal and lung screen	Individuals meeting the US Preventive Services Task Force recommendations for female breast, colorectal or lung cancer screening
Federally Qualified Health Center	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.
Geographic Health Professional Shortage Area	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
Pap screen	Females age 21 to 64 who have not had a hysterectomy and have had a Pap test in the past three years
Physical inactivity	Adults who did not participate in any physical activities for exercise outside of work in the past 30 days
Unhealthy drinking	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
Unhealthy weight	Adults with a BMI of 25 or higher



BARREN RI

Population 302,859

Annual New Cancer Cases 1,797

Social Determinants of Health



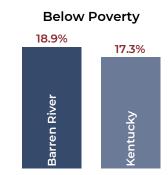
51% |

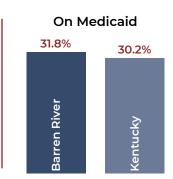
23% | 16%

6%

Median Income







People Lacking Access



to healthy foods

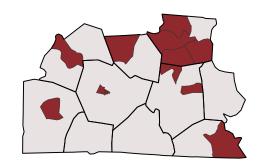


2022 EDITION

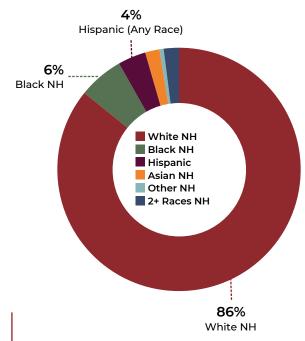
to parks and gyms

to internet devices

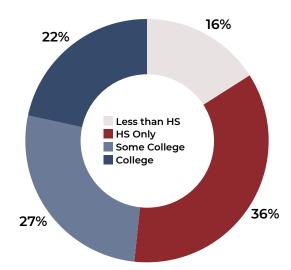
Areas Lacking Access to Healthy Foods



Race and Ethnicity



Education Completed



Healthcare System



11 Hospitals

19 Rural Health Clinics

22 Federally-Qualified Health Centers

2 Geographic Health Professional Shortage Areas

BA

COUNTIES

Allen Barren

Butler

Hart

Logan

Metcalfe

Monroe

Simpson

Warren

Edmonson

Cancer-related Outcomes

Cancer Risk Factors





69% unhealthy weight



51% physically inactive



15% unhealthy drinking

Screening Rates & Late-Stage Diagnosis



8% lung screen

12th of 15 ADDs

77% late stage 6th of 15 ADDs



74% breast screen

9th of 15 ADDs

27% late stage 9th of 15 ADDs



63% colorectal screen

11th of 15 ADDs

40% late stage 5th of 15 ADDs



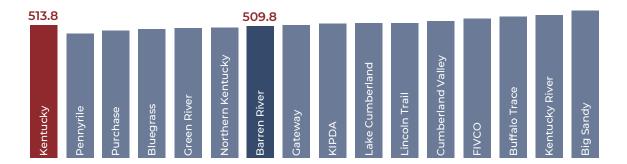
51% late stage

12th of 15 ADDs

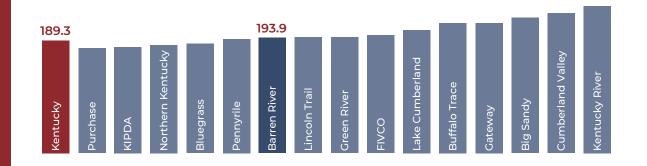
Top 5 Incidence Rates

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	3rd	114.0
Prostate	8th	95.9
Lung & Bronchus	8th	92.5
Melanoma	10th	28.8
Endometrium	4th	23.0

All Cancer Site Incidence (US rate: 438.3)



All Cancer Site Mortality (US rate: 147.5)



Top 5 Mortality Rates

Cancer Site	of 15 ADDs	Rate/100k
Lung & Bronchus	7th	64.0
Female Breast	6th	20.7
Prostate	9th	19.5
Colon & Rectum	7th	17.7
Pancreas	8th	11.2

Rates are age adjusted per 100k residents

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

visit www.KYCancerNeeds.org for more resources



2022 EDITION

Population 216,083

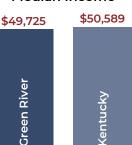
Annual New Cancer Cases 1,367

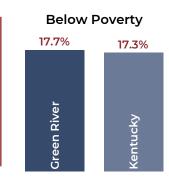
Social Determinants of Health

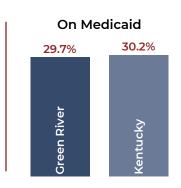


24% | **17**% |

Median Income







People Lacking Access



to healthy foods

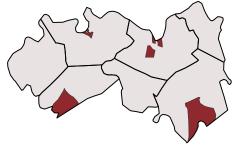


to parks and gyms

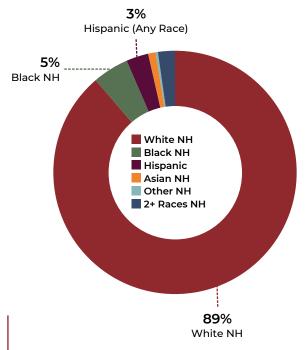
to internet devices

to Healthy Foods

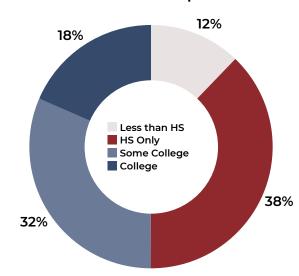
Areas Lacking Access



Race and Ethnicity



Education Completed



Healthcare System



- **5** Hospitals
- **4** Rural Health Clinics
- 7 Federally-Qualified Health Centers
- **3** Geographic Health Professional Shortage Areas

Cancer Risk Factors





71% unhealthy weight



51% physically inactive



18% unhealthy drinkina

Screening Rates & Late-Stage Diagnosis



lung screen 8th of 15 ADDs

72% late stage 1st of 15 ADDs



81% breast screen

2nd of 15 ADDs

24% late stage 4th of 15 ADDs



73% colorectal screen 4th of 15 ADDs

44% late stage

9th of 15 ADDs

79% Pap screen 6th of 15 ADDs

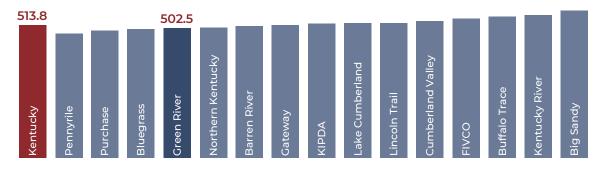
45%

late stage 8th of 15 ADDs

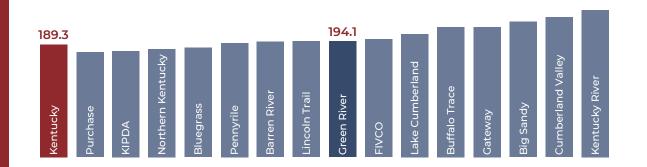
Top 5 Incidence Rates

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	11th	131.3
Prostate	14th	108.3
Lung & Bronchus	6th	85.9
Melanoma	5th	26.8
Urinary Bladder	11th	24.0

All Cancer Site Incidence (US rate: 438.3)



All Cancer Site Mortality (US rate: 147.5)



Top 5 Mortality Rates

Cancer Site	of 15 ADDs	Rate/100k
Lung & Bronchus	6th	62.2
Female Breast	3rd	19.6
Prostate	8th	19.3
Colon & Rectum	4th	15.5
Pancreas	3rd	10.3

Rates are age adjusted per 100k residents

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

visit www.KYCancerNeeds.org for more resources

COUNTIES

Daviess Hancock **Henderson** McLean Ohio Union Webster



AREA DEVELOPMENT DISTRICT (ADD)

2022 EDITION

Population 1,004,031

Annual New Cancer Cases 6,159

Social Determinants of Health



\$60,781

KIPDA

Median Income

51% |

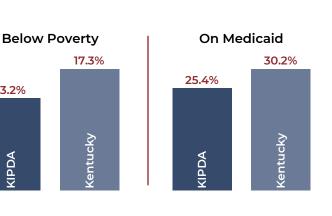
23%

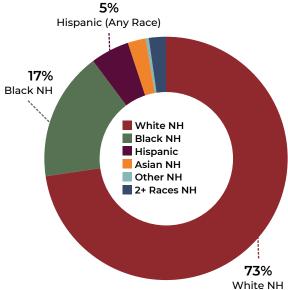
13.2%

KIPDA

15%

Race and Ethnicity





People Lacking Access

\$50.589

Sentucky



to healthy foods

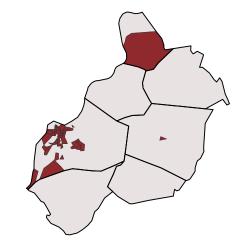


to parks and gyms

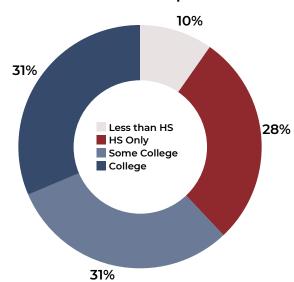


to internet devices

Areas Lacking Access to Healthy Foods



Education Completed



Healthcare System



14 Hospitals

5 Rural Health Clinics

16 Federally-Qualified Health Centers

O Geographic Health Professional Shortage Areas

Cancer Risk Factors





69% unhealthy weight



physically inactive



19% unhealthy drinkina

Screening Rates & Late-Stage Diagnosis



76% late stage 4th of 15 ADDs



81% breast screen 3rd of 15 ADDs

23% late stage 3rd of 15 ADDs



colorectal screen 6th of 15 ADDs

43% late stage 7th of 15 ADDs



35% late stage 2nd of 15 ADDs

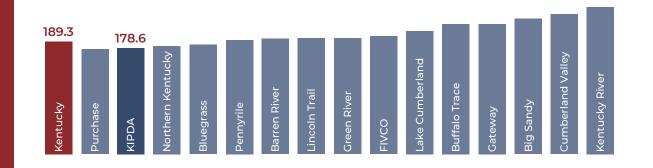
Top 5 Incidence Rates

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	13th	137.3
Prostate	15th	122.9
Lung & Bronchus	3rd	80.3
Melanoma	8th	28.2
Endometrium	5th	24.9

All Cancer Site Incidence (US rate: 438.3)



All Cancer Site Mortality (US rate: 147.5)



Top 5 Mortality Rates

Cancer Site	of 15 ADDs	Rate/100k
Lung & Bronchus	2nd	54.9
Female Breast	10th	21.2
Prostate	3rd	18.0
Colon & Rectum	2nd	14.9
Pancreas	11th	12.0

Rates are age adjusted per 100k residents

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

visit www.KYCancerNeeds.org for more resources

COUNTIES **Bullitt** Henry Jefferson Oldham Shelby

Spencer Trimble



LINCOLN TRAIL AREA DEVELOPMENT DISTRICT (ADD)

Population 274,253

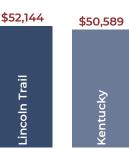
Annual New Cancer Cases 1,680

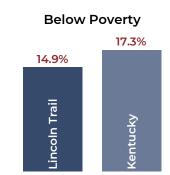
Social Determinants of Health

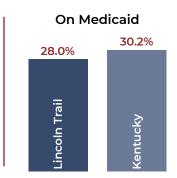


50% | 24% | 15% |

Median Income







People Lacking Access



to healthy foods

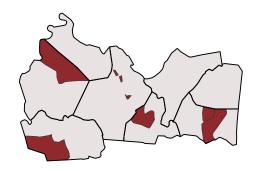


2022 EDITION

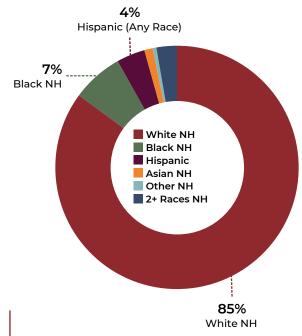
to parks and gyms

to internet devices

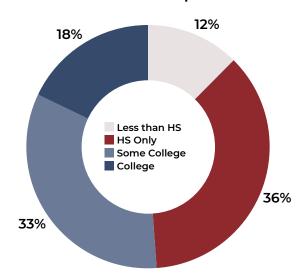
Areas Lacking Access to Healthy Foods



Race and Ethnicity



Education Completed



Healthcare System



7 Hospitals

18 Rural Health Clinics

44 Federally-Qualified Health Centers

1 Geographic Health Professional Shortage Areas

Cancer Risk Factors





75% unhealthy weight



physically inactive



15% unhealthy drinkina

Screening Rates & Late-Stage Diagnosis



77% late stage 8th of 15 ADDs



74% screen 10th of 15 ADDs

30%

late stage 13th of 15 ADDs

69% colorectal screen 9th of 15 ADDs

39% late stage 3rd of 15 ADDs



81% Pap screen

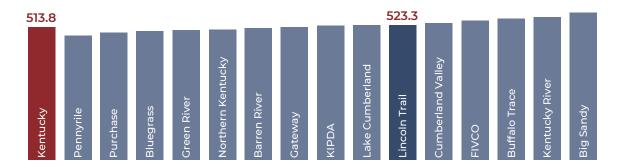
5th of 15 ADDs

41% late stage 5th of 15 ADDs

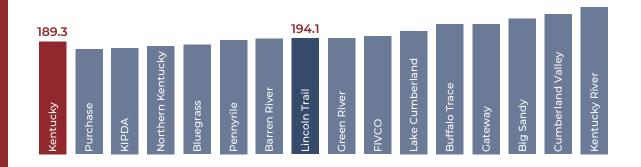
Top 5 Incidence Rates

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	6th	114.7
Prostate	13th	107.6
Lung & Bronchus	7th	91.5
Melanoma	11th	28.9
Endometrium	7th	28.2

All Cancer Site Incidence (US rate: 438.3)



All Cancer Site Mortality (US rate: 147.5)



Top 5 Mortality Rates

Cancer Site	of 15 ADDs	Rate/100k
Lung & Bronchus	9th	66.1
Female Breast	11th	21.9
Prostate	11th	20.2
Colon & Rectum	10th	18.2
Pancreas	7th	11.1

Rates are age adjusted per 100k residents

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

visit www.KYCancerNeeds.org for more resources

8 COUNTIES

Breckenridge Grayson Hardin LaRue Marion Meade Nelson Washington



PENNYRILE AREA DEVELOPMENT DISTRICT (ADD)

Population 213,669

Annual New Cancer Cases 1,267

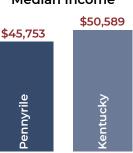
Social Determinants of Health

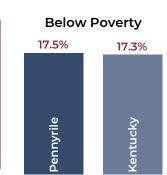


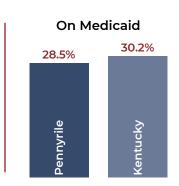
49% | 24% | 17% |

8%

Median Income







People Lacking Access



to healthy foods

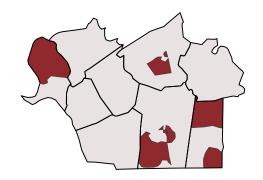


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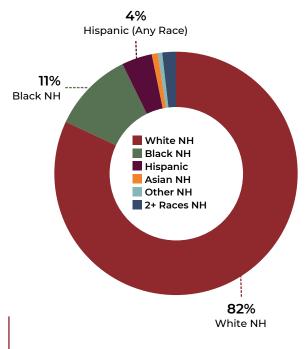
to parks and gyms

to internet devices

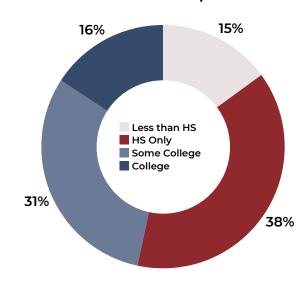
Areas Lacking Access to Healthy Foods



Race and Ethnicity



Education Completed



Healthcare System



- 11 Hospitals
- **33** Rural Health Clinics
- 9 Federally-Qualified Health Centers
- 2 Geographic Health Professional Shortage Areas

Cancer Risk Factors





71% unhealthy weight



60% physically inactive



14% unhealthy drinkina

Screening Rates & Late-Stage Diagnosis



8% luna screen 13th of 15 ADDs

79%

late stage 11th of 15 ADDs

80% breast screen

4th of 15 ADDs

28% late stage

11th of 15 ADDs

70% colorectal screen

8th of 15 ADDs

39% late stage 2nd of 15 ADDs



86% Pap screen

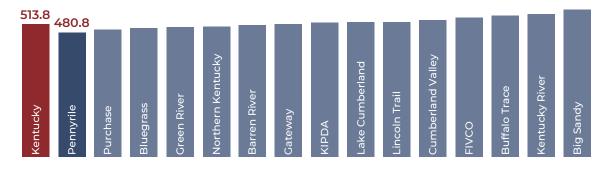
2nd of 15 ADDs

46% late stage 10th of 15 ADDs

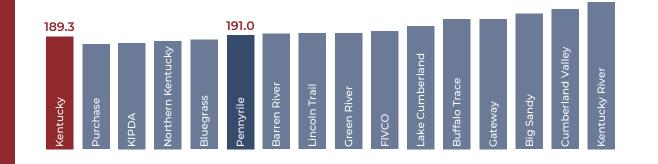
Top 5 Incidence Rates

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	2nd	112.7
Prostate	9th	99.2
Lung & Bronchus	5th	85.9
Melanoma	1st	23.1
Urinary Bladder	8th	22.5

All Cancer Site Incidence (US rate: 438.3)



All Cancer Site Mortality (US rate: 147.5)



Top 5 Mortality Rates

Cancer Site	of 15 ADDs	Rate/100k
Lung & Bronchus	5th	61.0
Female Breast	2nd	18.1
Colon & Rectum	5th	15.8
Prostate	lst	15.6
Pancreas	4th	10.5

Rates are age adjusted per 100k residents

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

visit www.KYCancerNeeds.org for more resources

COUNTIES

Caldwell

Christian Crittenden Hopkins Livinston Lyon Muhlenberg Todd Trigg



PURCHASE AREA DEVELOPMENT DISTRICT (ADD)

Population 196,001

Annual New Cancer Cases 1,293

Social Determinants of Health



51%

21%

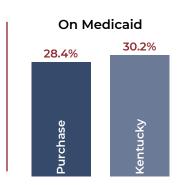
19%

6% uninsured

Median Income | Be







People Lacking Access



18% to healthy foods

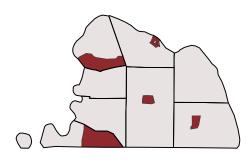


2022 EDITION

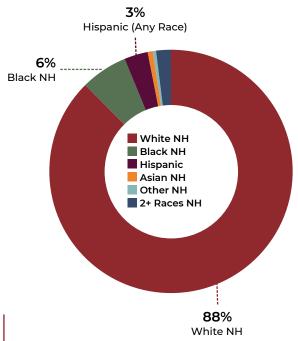
38% to parks and gyms

to internet devices

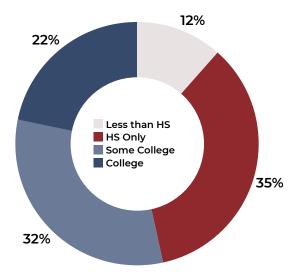
Areas Lacking Access to Healthy Foods



Race and Ethnicity



Education Completed



Healthcare System



6 Hospitals

9 Rural Health Clinics

6 Federally-Qualified Health Centers

1 Geographic Health Professional Shortage Areas

Cancer Risk Factors





68% unhealthy weight



55% physically inactive



15% unhealthy drinking

Screening Rates & Late-Stage Diagnosis



21% lung screen

3rd of 15 ADDs

IG OF IS ADD

78% late stage 10th of 15 ADDs



84% breast screen

1st of 15 ADDs

23% late stage

2nd of 15 ADDs

ワ。

78% colorectal screen

1st of 15 ADDs

36% late stage 1st of 15 ADDs



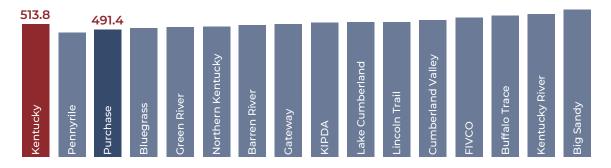
38% late stage

4th of 15 ADDs

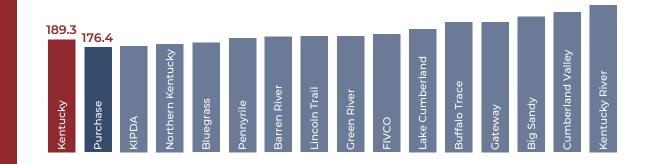
Top 5 Incidence Rates

Cancer Site	of 15 ADDs	Rate/100k
Female Breast	10th	126.3
Prostate	12th	104.2
Lung & Bronchus	2nd	78.5
Melanoma	14th	33.6
Urinary Bladder	10th	23.9

All Cancer Site Incidence (US rate: 438.3)



All Cancer Site Mortality (US rate: 147.5)



Top 5 Mortality Rates

Cancer Site	of 15 ADDs	Rate/100k
Lung & Bronchus	lst	54.7
Prostate	5th	18.1
Female Breast	lst	16.2
Colon & Rectum	lst	13.2
Pancreas	12th	12.7

Rates are age adjusted per 100k residents

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

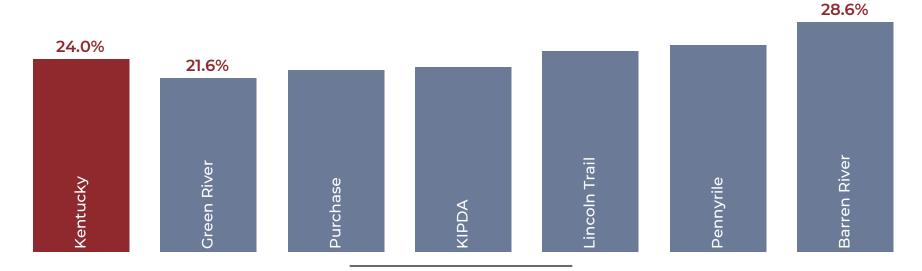
visit www.KYCancerNeeds.org for more resources

8
COUNTIES
Ballard

Calloway
Carlisle
Fulton
Graves
Hickman
Marshall
McCracken

BEHAVIORAL RISK FACTOR COMPARISONS

Currently Smoke Comparison (US rate: 15.3%)

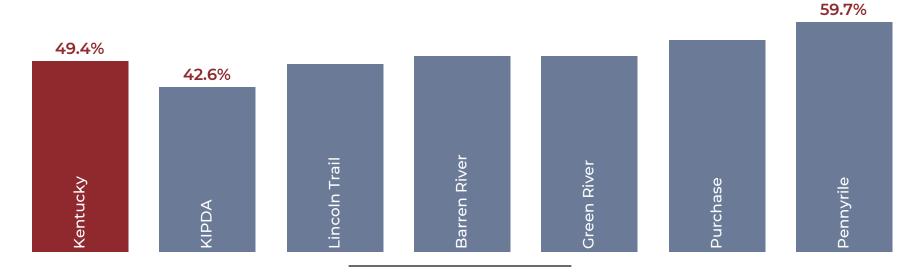


Unhealthy Weight Comparison (US rate: 66.2%)

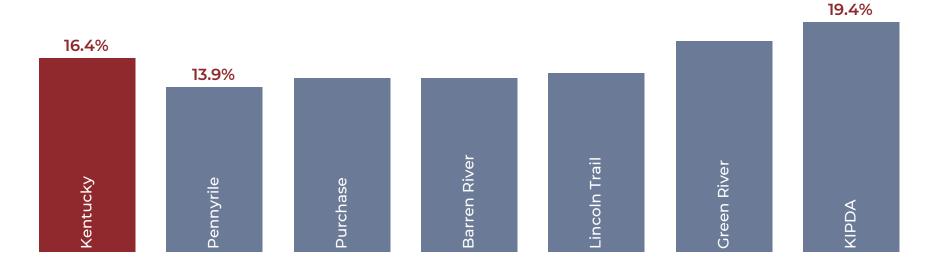


BEHAVIORAL RISK FACTOR COMPARISONS

Physically Inactive Comparison (US rate: 29.5%)



Unhealthy Drinking Comparison (US rate: 18.1%)



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Kentucky Cancer Needs Assessment Steering Committee:

University of Kentucky, Markey Cancer Center, Community Impact Office (CIO)

Pamela Hull, Lovoria Williams, Caree McAfee, Todd Burus, Natalie Wilhite, Jessica Thompson

Kentucky Cancer Registry (KCR), UK Markey Bin Huang, Jaclyn McDowell

Kentucky Cancer Consortium (KCC), UK Markey Jennifer Redmond Knight, Elaine Russell

Kentucky Cancer Program East (KCP-East), UK Markey Mindy Rogers

KCP-West, University of Louisville Connie Sorrell, Elizabeth Westbrook, Jamie Smith

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KCP-East, UK Markey

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UK Markey, Community Impact OfficeChristine Stroebel, Madeline Brown, Jane Morgan, Lee Park, Keeghan Francis, Haseeb Ahmad, Alex Chang

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