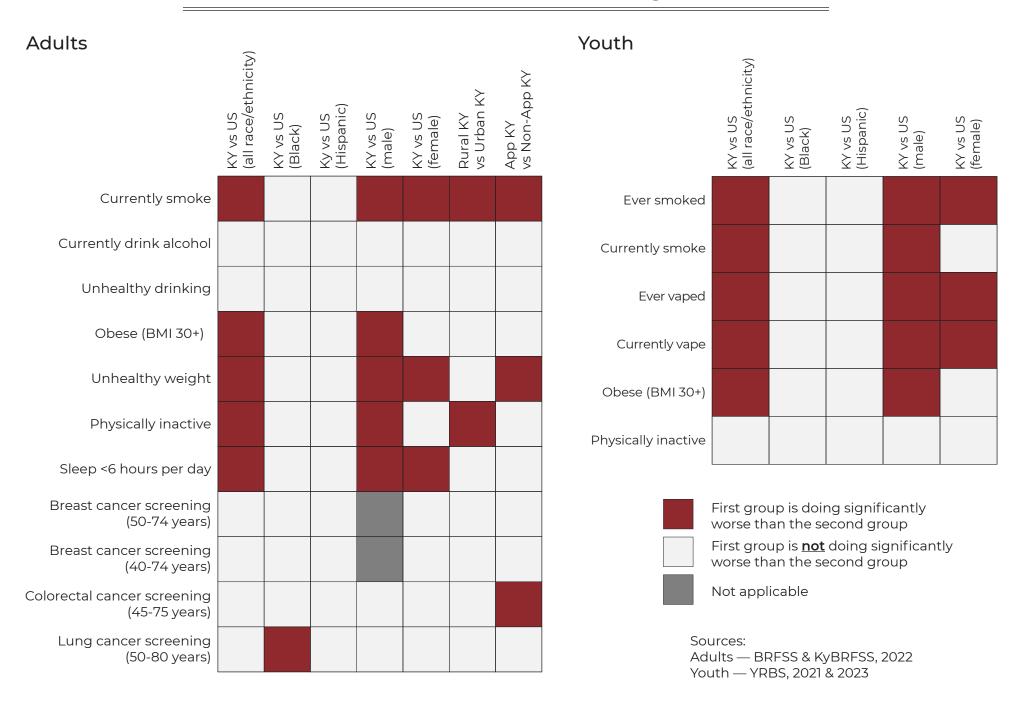
KENTUCKY CANCER NEEDS ASSESSMENT 2025 Update

Behavioral Risk Factors & Cancer Screenings At-A-Glance



Rankings

"In KY" = ranking among cancer sites within Kentucky

"vs US" = ranking for KY among US states

Red/blue blocks indicate a significantly higher rate for the first group listed versus the second group. Grey blocks indicate that data was not obtained/not available.

t obtained/not available.	Jiey block	Sindicate				Rural vs Urban I	App vs Non-App	Black vs White		Rural vs Urban	App vs Non-App	Black vs White
		Rankings					No	√s √	S	/s U	No	Vs V
	Incid	ence	Mort	ality	KY vs US	Iral	s N d	ack ,	KY vs US	ral	s> d	ack
	ln KY	vs US	ln KY	vs US	Ž	Ru	Ap	B	Ž	Ru	Ap	B
All Cancer Sites	-	1	-	2								
Female Breast	1	32	2	9								
Prostate	2	28	3	42								
Lung and Bronchus	3	1	1	1								
Colon and Rectum	4	2	4	4								
Melanoma	5	10	19	7								
Corpus and Uterus, NOS	6	24	13	40								
Urinary Bladder	7	9	10	3								
Kidney and Renal Pelvis	8	4	14	6								
Non-Hodgkin Lymphoma	9	9	8	2								
Leukemia	10	6	6	3								
Oral Cavity and Pharynx	11	5	16	4								
Pancreas	12	13	5	16								
Thyroid	13	18	-	-								
Cervix Uteri	14	3	17	9								
Liver and IBD	15	11	7	22								
Ovary	16	46	9	47								
Myeloma	17	15	15	18								
Brain and ONS	18	6	11	20								
Stomach	19	16	18	23								
Testis	20	39	-	-								
Esophagus	-	-	12	9								
Larynx	-	-	20	3								

DISPARITIES

 \geq

Mortality

 \geq

p KY

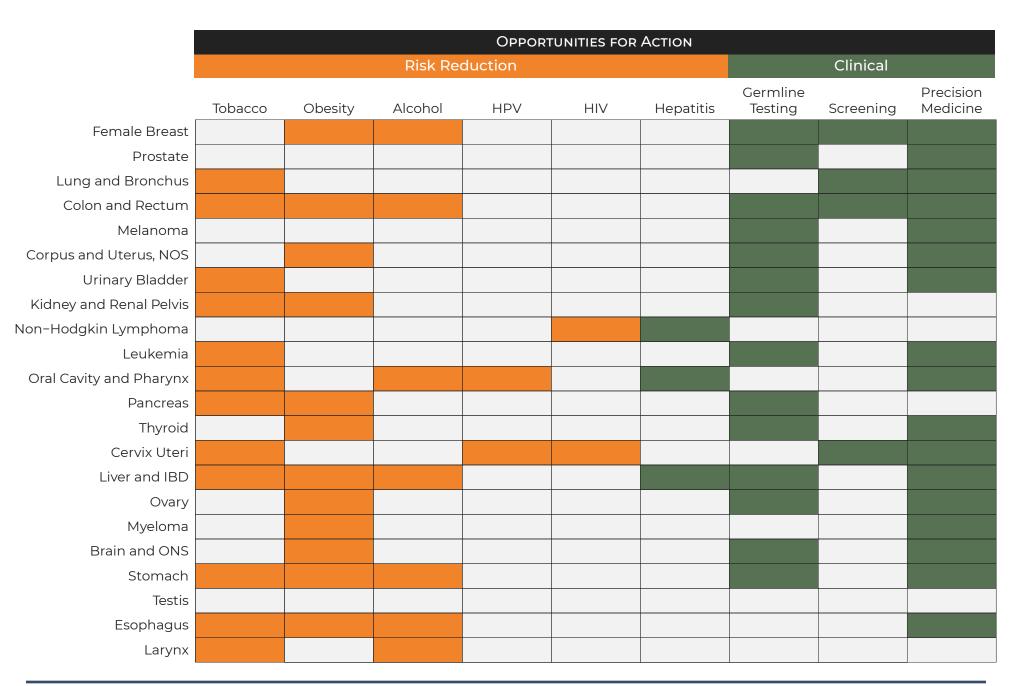
 \geq

Incidence

 \geq

p KY

Colored blocks indicate evidence-based risk reduction strategies or clinical guidelines.



2025 Kentucky Cancer Needs Assessment Update

Definitions

Currently smoke = smoked at least one cigarette in the past 30 days

Currently vape = used an electronic vapor product to consume nicotine in the past 30 days

Currently drink alcohol = had at least one alcoholic drink in the past 30 days

Unhealthy drinking = average drinking one (females) or two (males) alcoholic drinks per day OR had at least one session of drinking at least four (females) or five (males) drinks in the past 30 days

Unhealthy weight = have a body mass index of less than 18.5 or more than 24.9

Physically inactive = participated in no leisure time activity or exercise in the past 30 days (adults) or did not have 60 minutes of phyical activity or exercise in the past week (youth)

Breast cancer screening = percentage of eligible females that have met USPSTF breast cancer screening guidelines, e.g. aged 50-74 years (or 40-74 years under new guidelines) with a mammogram to check for breast cancer in the past two years.

Colorectal cancer screening = percentage of eligible individuals that have met USPSTF colorectal cancer screening guidelines, e.g. aged 45-75 years with either a fecal-occult blood test or FIT in the past year, a stool-based DNA test in the past three years, a sigmoidoscopy in the past five years, or a colonoscopy in the past 10 years.

Lung cancer screening = percentage of eligible individuals that have met USPSTF lung cancer screening guidelines, e.g. aged 50-80 years old, who either currently smoke or quit smoking in the last 15 years, and have accumulated a 20 pack-year smoking history, with a low-dose CT scan to check for lung cancer in the past year

Acronyms

- App = Appalachian
- BMI = body mass index
- IBD = intrahepatic bile duct
- NOS = not otherwise specified
- ONS = other nervous system
- USPSTF = US Preventive Services Task Force

Note

Germline testing refers to testing individuals for markers of inherited cancer risk. Special thanks to Justine Pickarski and the Markey Cancer Center Molecular Tumor Board for supplying guidance on clinical opportunities for action.

Sources

Behavioral Risk Factor Surveillance System (BRFSS), Centers for Diease Control and Prevention, 2022

Kentucky Behavioral Risk Factor Survey (KyBRFS), Kentucky Cabinet for Health and Family Services, 2022

National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention, 2017-2022

Surveillance, Epidemiology, and End Results Program 22 Registries Database (SEER 22), National Cancer Institute, 2017-2021

Youth Risk Behavior Survey (YRBS), Centers for Disease Control and Prevention, 2021 & 2023

Appendix: Behavioral Risk Factors & Cancer Screenings Table

Adult Measures	KY	Black KY	Hispanic KY	Male KY	Female KY	Rural KY	Арр КҮ	US
Currently smoke	17.4 *	20.1	19.4	19.4 *	15.5 *	19.4 *	21.6 *	12.8
Currently drink alcohol	35.2	31.6	37.2	40.8	29.9	26.8	24.0	53.0
Unhealthy drinking	13.8	11.8	13.1	17.8	10.0	10.2	8.7	18.1
Obese (BMI 30+)	37.7 *	41.6	43.7	38.7 *	36.7	39.0	41.0	33.3
Unhealthy weight	73.7 *	71.7	74.0	77.1 *	70.1 *	75.9	76.6 *	69.4
Physically inactive	26.4 *	34.3	32.5	25.7 *	27.1	29.0 *	28.9	23.7
Sleep <6 hours per day	16.4 *	18.4	22.8	17.5 *	15.3 *	16.1	15.7	12.4
Breast cancer screening (50-74 years)	72.9	77.9	65.9	NA	72.9	72.1	71.3	76.8
Breast cancer screening (40-74 years)	68.5	66.4	70.3	NA	68.5	68.1	67.0	71.7
Colorectal cancer screening (45-75 years)	67.2	61.5	60.4	66.1	68.2	63.0	59.5 *	66.3
Lung cancer screening (50-80 years)	21.4	7.8 *	69.4	23.0	19.6	19.7	15.2	18.1

Youth Measures	KY	Black KY	Hispanic KY	Male KY	Female KY	US
Ever smoked	25.4 *	16.3	21.2	25.7 *	24.9 *	17.1
Currently smoke	5.1 *	3.2	4.7	5.8 *	4.0	3.6
Ever vaped	43.4 *	40.1	40.6	39.7 *	46.8 *	36.1
Currently vape	20.8 *	17.7	18.5	17.4 *	24.1*	17.0
Obese (BMI 30+)	20.8 *	24.9	23.7	25.7 *	15.6	16.7
Physically inactive	15.8	18.6	18.7	13.5	18.0	16.8

* indicates significantly higher than comparison group

Comparison groups: (1) KY vs US; (2) Black KY vs Black US; (3) Hispanic KY vs Hispanic US; (4) Male KY vs Male US; (5) Female KY vs Female US; (6) Rural KY vs Urban KY; (7) App KY vs non-App KY. Rural and Appalachian not available for youth measures.

Source: BRFSS & KyBRFS, 2017-2021

Appendix: Cancer Incidence Rates Table

Site	Rank in US	KY	Rural KY	Арр КҮ	Black KY	US
All Sites	1	513.7 *	523.2 *	530.5 *	495.5	438.2
Female Breast	32	129.2	118.8	119.6	133.1	129.4
Prostate	28	113.9	104.4	96.8	188.8 *	116.6
Lung and Bronchus	1	84.5 *	94.4 *	99.0 *	76.2	47.9
Colon and Rectum	2	45.9 *	49.9 *	51.6 *	46.6	36.2
Melanoma	10	28.2 *	27.2	25.5	1.2	21.0
Corpus and Uterus, NOS	24	27.8	29.5 *	32.0 *	28.1	28.0
Urinary Bladder	9	21.7 *	23.1 *	23.1 *	12.2	18.0
Kidney and Renal Pelvis	4	21.4 *	21.3	21.3	22.3	17.1
Non-Hodgkin Lymphoma	9	19.6 *	19.4	19.6	15.5	18.6
Leukemia	6	16.4 *	16.4	16.6	13.1	14.0
Oral Cavity and Pharynx	5	14.0 *	14.1	14.0	9.8	11.4
Pancreas	13	13.9	13.8	13.5	17.1 *	13.5
Thyroid	18	13.7	16.0 *	18.4 *	8.8	13.5
Cervix Uteri	3	9.7 *	10.3	11.8 *	9.3	7.6
Liver and IBD	וו	8.9	8.2	8.6	11.2 *	9.4
Ovary	46	8.6	8.9	8.8	6.3	10.3
Myeloma	15	7.2	6.6	6.7	13.7 *	7.2
Brain and ONS	6	7.1 *	7.5	7.0	4.7	6.1
Stomach	16	6.4	6.6	7.1 *	8.8 *	7.1
Testis	39	2.6	2.6	2.5	0.9	3.0

Rank in US, where 1 = highest, 51 = lowest

* indicates significantly higher than comparison group

Comparison groups: (1) KY vs US; (2) Rural KY vs Urban KY; (3) App KY vs Non-App KY; (4) Black KY vs White KY

Source: SEER 22, 2017-2021

Appendix: Cancer Mortality Rates Table

Site	Rank in US	KY	Rural KY	Арр КҮ	Black KY	US
All Sites	2	181.1 *	199.5 *	206.4 *	184.3	147.9
Lung and Bronchus	1	52.7 *	61.8 *	65.3 *	47.1	33.6
Female Breast	9	21.4 *	22.6 *	22.9 *	25.6 *	19.6
Prostate	42	18.4	18.0	17.5	36.8 *	19.2
Colon and Rectum	4	16.3 *	18.8 *	19.5 *	19.3 *	13.0
Pancreas	16	11.6	11.4	11.3	14.1 *	11.2
Leukemia	3	7.0 *	7.9 *	8.0 *	5.5	6.0
Liver and IBD	22	6.6	6.2	6.5	8.4 *	6.6
Non-Hodgkin Lymphoma	2	6.0 *	6.4 *	6.2	3.8	5.1
Ovary	47	5.5	5.8	5.9	4.0	6.2
Urinary Bladder	3	5.0 *	5.1	5.0	4.1	4.2
Brain and ONS	20	4.7 *	5.0	5.0	3.1	4.4
Esophagus	9	4.6 *	4.9 *	5.1 *	4.3	3.8
Corpus and Uterus, NOS	40	4.5	4.1	4.5	8.1 *	5.2
Kidney and Renal Pelvis	6	4.3 *	4.6 *	4.8 *	3.2	3.5
Myeloma	18	3.2	3.3	3.2	5.3 *	3.1
Oral Cavity and Pharynx	4	3.0 *	3.2	3.4	2.6	2.6
Cervix Uteri	9	2.8 *	3.2 *	3.6 *	2.7	2.2
Stomach	23	2.6	3.0 *	3.3 *	3.6 *	2.8
Melanoma	7	2.6 *	2.9 *	2.6	NA	2.0
Larynx	3	1.4 *	1.6 *	1.6 *	1.4	0.9

Rank in US, where 1 = highest, 51 = lowest

* indicates significantly higher than comparison group

Comparison groups: (1) KY vs US; (2) Rural KY vs Urban KY; (3) App KY vs Non-App KY; (4) Black KY vs White KY

Source: NCHS, 2017-2021

University of Kentucky Markey Cancer Center Community Impact Office

For more information, email CIOData@uky.edu