

Chronic Disease and Cancer in Kentucky

Connie Gayle White, MD, MS, FACOG

Deputy Commissioner for Clinical Affairs

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Kentucky Public Health

Prevent. Promote. Protect.



KENTUCKY CABINET FOR
HEALTH AND FAMILY SERVICES

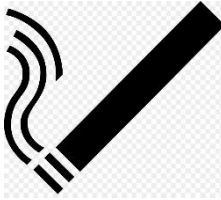


Kentucky's Chronic Disease Status per America's Health Rankings 2020

Condition	Rank
Asthma	22
Cardiovascular Disease	48
COPD	49
Diabetes	44
Hypertension	46
Obesity	46
Preventable Hospitalizations	50



Heart Disease and Stroke



Tobacco Prevention and Cessation



Physical Activity and Nutrition



Diabetes Prevention and Control



Asthma Management

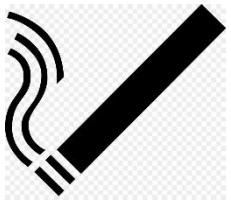


Heart Disease and Stroke Program

- Heart Disease is 21% of Kentucky deaths
- Stroke is the fifth leading cause of death in Kentucky
- 38% of Kentucky adults report diagnosis of hypertension
- 56% of Kentucky adults with disabilities report diagnosis of hypertension
- 5.4% of Kentuckians report having had a heart attack

STRATEGIES

- *Heart Disease and Stroke Taskforce*
- *CARE Collaborative (Cardiovascular Assessment, Risk Reduction, and Education)*
- *SEQIP (Stroke Encounter Quality Improvement Program)*



Tobacco Prevention and Cessation Program

- 24% adult smoker prevalence in Kentucky
- 9% high school smoking prevalence in Kentucky
- 26% high school vaping prevalence in Kentucky
- 8,900 smoker related deaths in Kentucky

STRATEGIES

- *Youth prevention social media campaign*
- *Tobacco-free policies*
- *1-800-QUIT NOW*
- *My Life, My Quit*
- *Eliminate health disparities*



Physical Activity and Nutrition Program

- 36.5% of Kentucky adults are obese
 - Non-Hispanic White: 35.8%
 - Hispanic: 31.6%
 - Non-Hispanic Black: 39.9%
- Kentucky received one of 19 competitive state Centers for Disease Control (CDC) grants to address

STRATEGIES

- *Early childhood education-physical activity, nutrition and screen time*
- *Breastfeeding initiative*
- *Healthy food service guidelines*
- *Community walking and bicycle transportation plans*



Diabetes Prevention and Control Program

- Nearly 464,000 (13.3%) of Kentucky adults have diabetes
- Another 11% are estimated to have prediabetes
- Sixth leading cause of death by disease in Kentucky
- Diabetes is costly in both medical expenses and lost work/wages
- Diabetes Prevention Program (DPP) and Diabetes Self-Management Education and Support (DSMES) are cost effective

STRATEGIES

- *Increase use of DPP and DSMES*
- *Improve workflow to impact diabetes care*



Asthma Management Program

- 6.9% of Kentucky adults with an income over \$50,000 have asthma
- 15.6% of Kentucky adults with an income of less than \$25,000 have asthma
- 14.7% of Kentucky African American children have asthma
- 5% of Kentucky white children have asthma
- Leading cause of chronic disease in Kentucky public schools

STRATEGIES

- *Professional development-asthma guidelines*
- *Stock Albuterol policy*
- *More home visits to decrease asthma triggers and improve home management*



Community Health Worker (CHW)

- Serves underserved populations and people with chronic diseases
- Connect clients with clinicians and health & social services to improve their health outcomes
 - Employed by health departments, clinics, hospitals, managed care organizations, jails, universities, etc.
- Workgroup began at the Department for Public Health (DPH) in 2016 with collaborating partners to develop a certification process
- Office of CHWs in DPH works with the Kentucky Association of Community Health Workers (KYACHW) to provide continuing educational credits to fulfill certification requirements

Comprehensive Kentucky Cancer Data

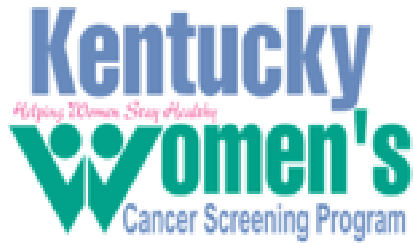
- Mortality: 155.6 per 100,00 individuals 2014-2018
- Incidence: 449 per 100,000 individuals 2014-2018
- Kentucky ranks number one in cancer incidence and mortality per 100,000 individuals nationwide

STRATEGIES

- *Programs addressing screenable/preventable cancers*
- *Tobacco cessation and prevention*
- *Colorectal cancer and breast and cervical screening for lower income uninsured and underinsured with patient navigation*
- *Support research in childhood cancers*



Colon Cancer Screening and Prevention



Women's Breast and Cervical Cancer Screening



Pediatric Cancer Research Trust Fund

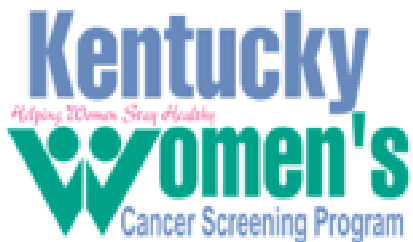


Colon Cancer Screening and Prevention

- Kentucky colon cancer screening rates have improved from 34.7% in 2002 to 70.1% in eligible adults
- Still ranks 4th in mortality and 2nd in incidence for colorectal cancer in the US

STRATEGIES

- *Kentucky Colon Cancer Screening and Prevention Program*
- *CDC grant-improve workflows in primary care clinics to increase screening*



Breast and Cervical Cancer Program

- From 2014-2018 in Kentucky:
 - 17,745 invasive breast cancer
 - 2,996 died from breast cancer
- From 2014-2018 in Kentucky:
 - 1,114 invasive cervical cancer
 - 330 died from cervical cancer
- Kentucky has the highest rate of cervical cancer in the US

STRATEGIES

- *Public health transformation (PHT) and linking underserved to screening/care*
- *Enhance workflow to increase care and decrease barriers*
- *Ensure quality of care for program participants*



Pediatric Cancer Research Trust Fund

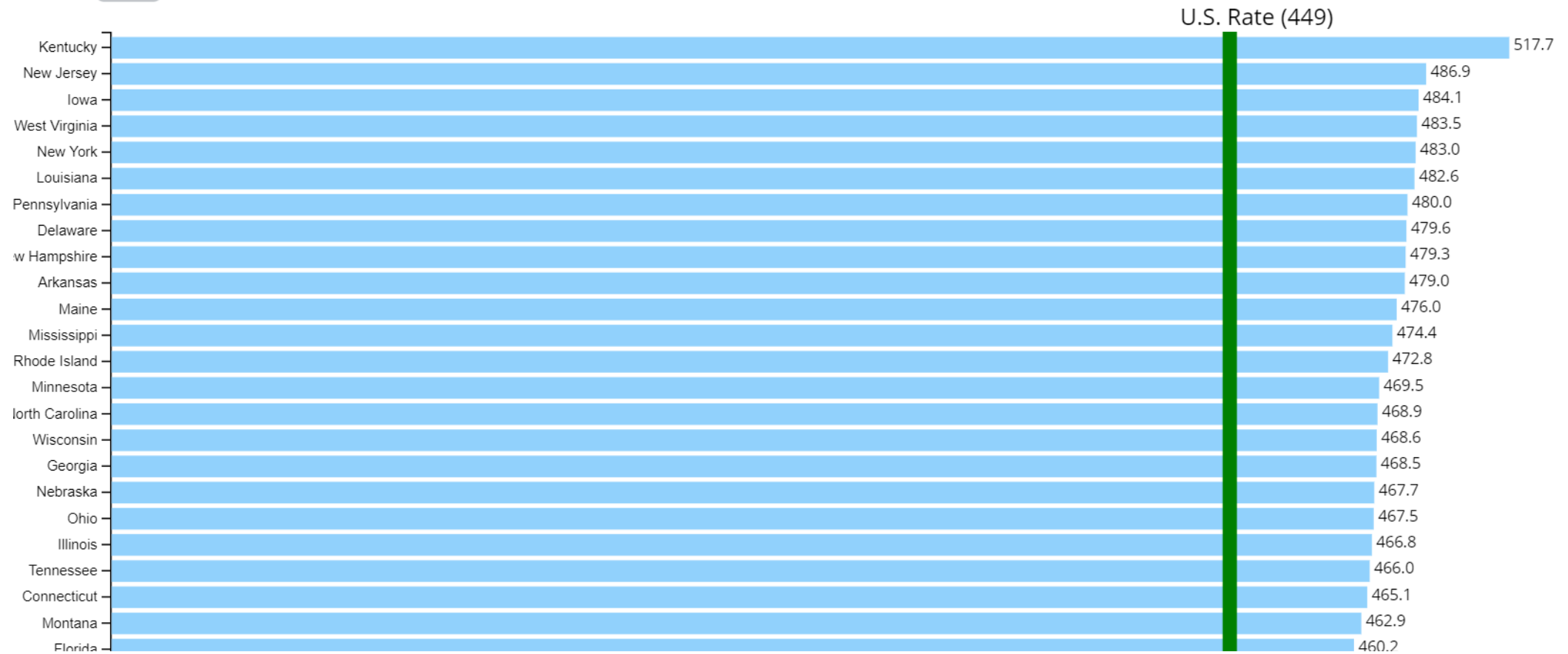
- Childhood cancer in Kentucky is **4.5%** higher than in the US
- Brain and central nervous system (CNS) tumors have recently overtaken leukemia as the leading cause of cancer-related death among children in Kentucky

STRATEGIES

- *Distribute funding to both UK and UofL research facilities after subject matter expert review of project*
- *Continuous review of project progress and outcomes*

Rate of New Cancers in the United States 2014-2018

All Types of Cancer, All Ages, All Races and Ethnicities, Male and Female
Rate per 100,000 people



<https://gis.cdc.gov/Cancer/USCS/#/AtAGlance/>

Rate of Cancer Deaths in the United States 2014-2018

All Types of Cancer, All Ages, All Races and Ethnicities, Male and Female

Rate per 100,000 people



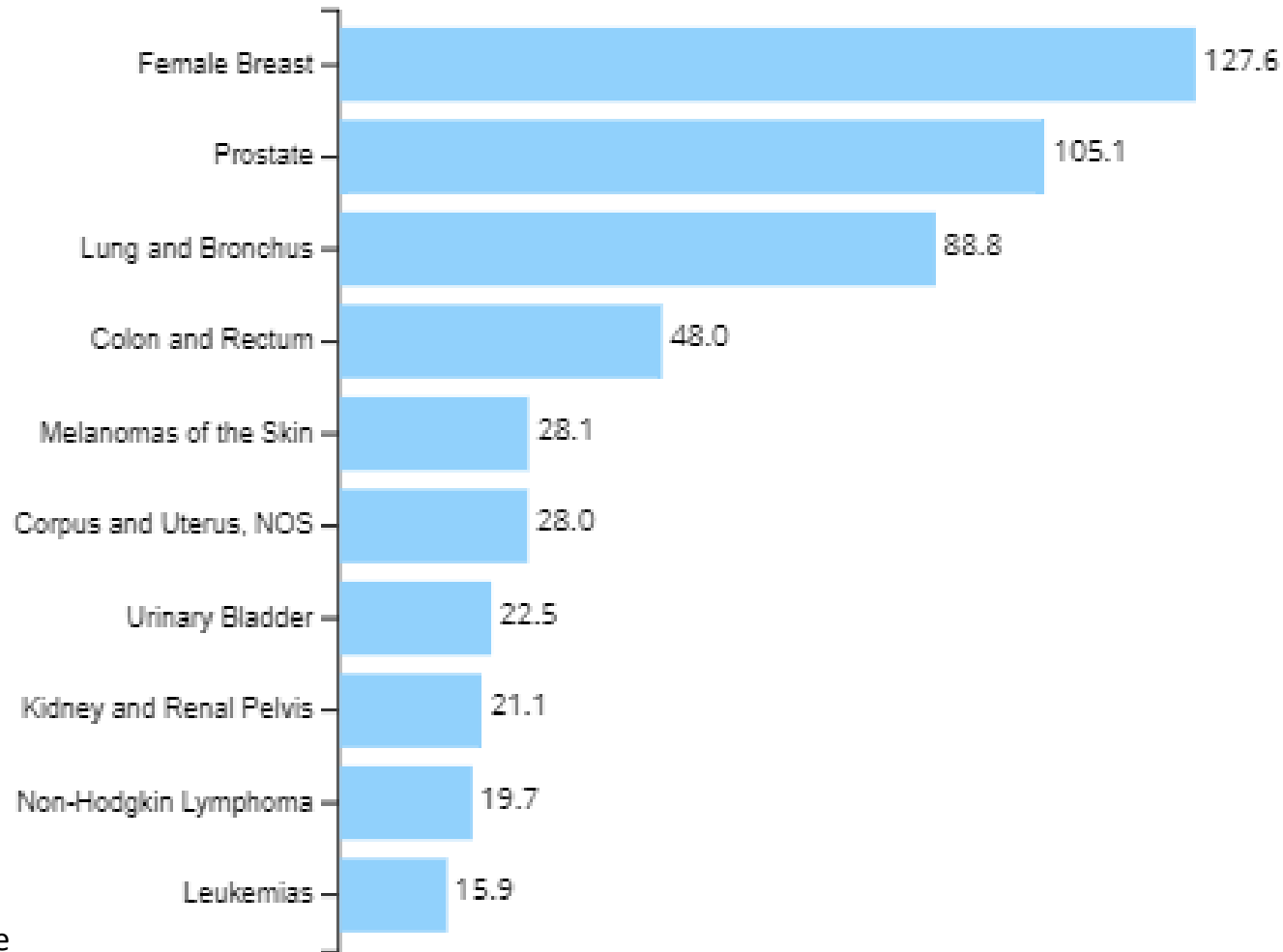
U.S. Rate (155.6)



<https://gis.cdc.gov/Cancer/USCS/#/AtAGlance/>

Top 10 Cancers by Rates of New Cancer Cases

All Types of Cancer, Kentucky, 2014-2018

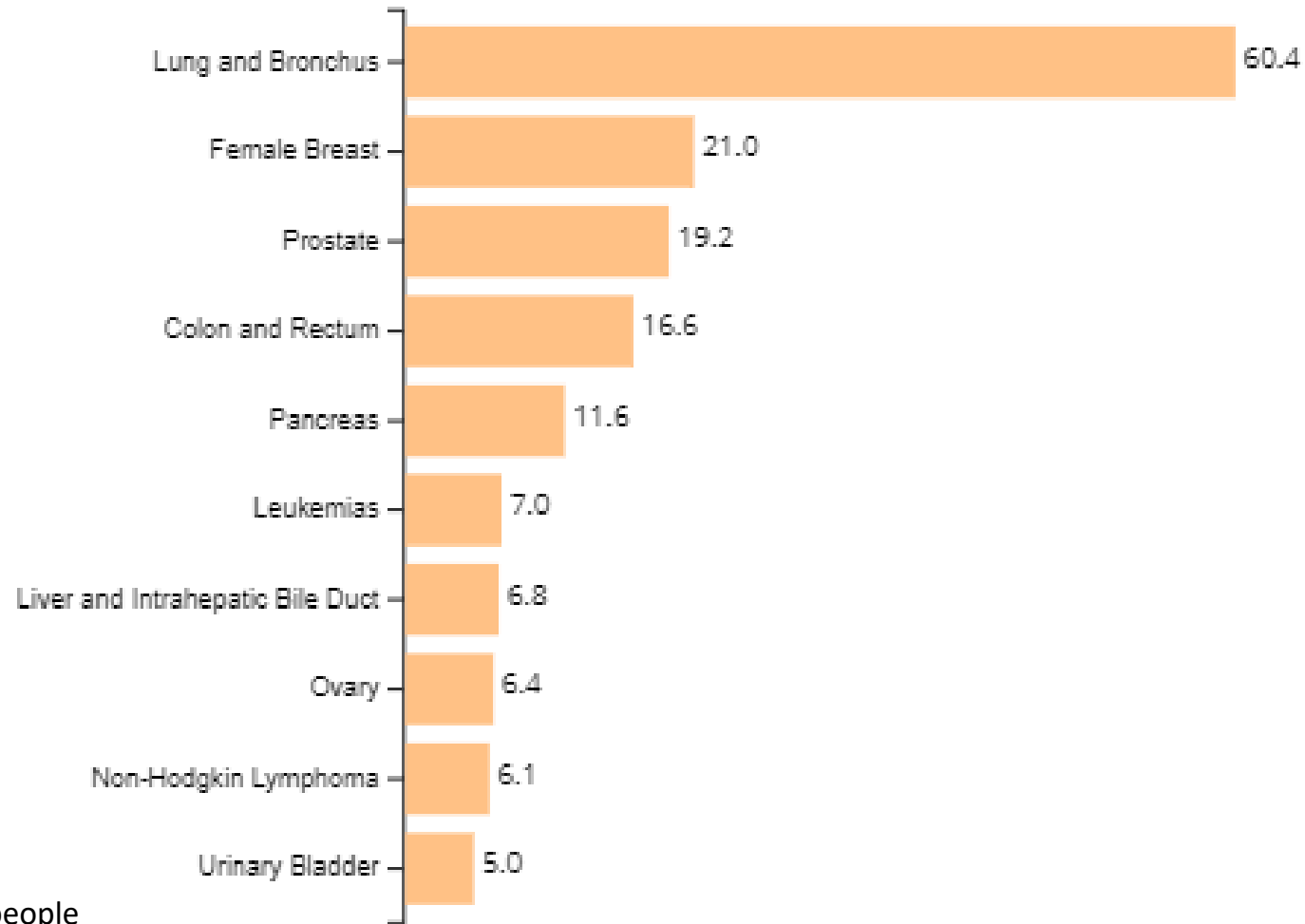


Rate per 100,000 people

Data source - U.S. Cancer Statistics Working Group. U.S. Cancer Statistics Data Visualizations Tool, based on 2020 submission data (1999-2018): U.S. Department of Health and Human Services, Centers for Disease Control and Prevention and National Cancer Institute; <https://www.cdc.gov/cancer/dataviz/>, released in June 2021.

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connie.white@ky.gov



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