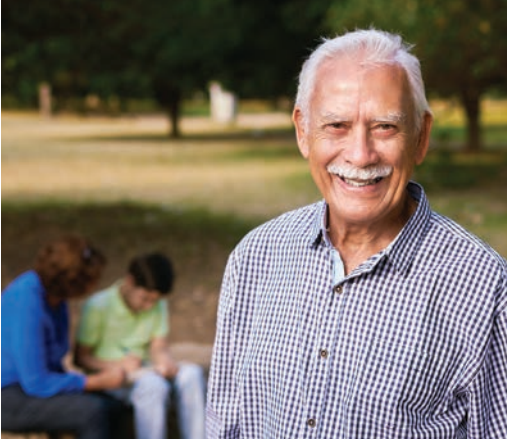


Community Cancer Needs Assessment







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Introduction

The mission of the Vanderbilt-Ingram Cancer Center (VICC) is to alleviate cancer death and suffering through pioneering research; innovative patient-centered care; and evidence-based prevention, education, and community initiatives.

VICC has had a long-standing partnership with Meharry Medical College (MMC) and Tennessee State University (TSU) called the MMC-VICC-TSU Cancer Partnership (MVTCP). The mission of the MVTCP is to advance cancer disparities research, outreach initiatives, and clinical trials with a focus on minority, rural, low-income, and other underserved populations.



Purpose of Report

The VICC Office of Community Outreach and Engagement and the MVTCP Cancer Outreach Core partnered together to assess needs and opportunities related to cancer in the area served by VICC and MVTCP (our catchment area), in collaboration with the VICC Community Advisory Board (CAB) and the MVTCP CAB.

The purpose of this assessment was to characterize the burden of cancer in our catchment area and gather input from a range of community stakeholder groups about what needs and gaps need to be addressed.

Using existing data and collecting new data, we examined needs at multiple levels – for patients and community members, among health care

providers, and within the healthcare system itself. In collaboration with the VICC CAB, MVTCP CAB, and other community partners, we will use the report findings to inform ongoing strategic planning of targeted research and outreach initiatives to address community-identified needs, racial/ethnic disparities and rural disparities, related to cancer.



Catchment Area

Cancer Needs Assessment

Our catchment area includes 123 counties encompassing the entire state of TN, additional counties in western KY, and northern AL.

123
COUNTIES

95
TN STATE

23
WESTERN KY

5
NORTHERN AL



The following data sources were used to construct statistics and figures throughout the report:

American Community Survey (ACS), United States (U.S.)

Census Bureau:

ACS is a nationally representative sample of households that are randomly selected to participate. This survey provides population estimates of demographic information for various geographic areas.

Behavioral Risk Factor Surveillance System (BRFSS), Centers for Disease Control and Prevention (CDC):

BRFSS is a representative survey of adults in all states that collects data about health-related risk behaviors, use of preventative services, and chronic health conditions.

County Health Rankings, National Center for Health Statistics:

This resource compiles and calculates county-level community health data from a variety of sources, including estimates of life expectancy based

on data from the National Vital Statistics System.

Healthy People 2020, U.S. Department of Health and Human Services:

Healthy People 2020 provides science-based, 10-year national objectives for improving the health of all Americans. Healthy People 2020 establishes benchmarks and monitors progress over time.

National Immunization Survey-Teen (NIS-Teen), CDC:

NIS-Teen is an annual, nationally-representative phone survey that collects immunization information on adolescents aged 13-17 years living in the U.S. and verifies immunization histories from health care providers.

State Cancer Profiles, CDC and National Cancer Institute:

This data resource includes cancer incidence and mortality data for each state from CDC's

External Data Sources

Cancer Needs Assessment

National Program of Cancer Registries Cancer Surveillance System and the National Vital Statistics System.

U.S. Small-area Life Expectancy Estimates Project (USALEEP), Centers for Disease Control and Prevention (CDC):

USALEEP provides estimates of life expectancy at birth for states and most census tracts in the U.S.

Youth Risk Behavior Surveillance System (YRBSS), CDC:









YRBSS is a self-administered national school-based survey system that collects data regarding health-related risk behaviors among 9th through 12th grade students.

To view data tables, please refer to the appendix:

vicc.org/community/research

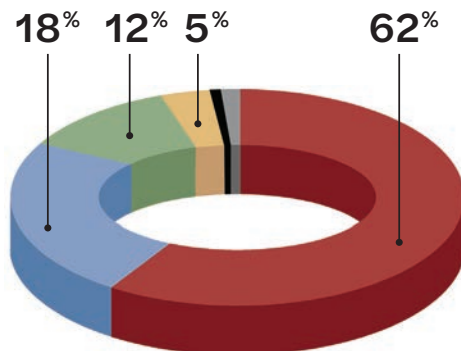
Demographics

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

		CATCHMENT AREA	UNITED STATES
	→ Female	51%	51%
	→ Rural Residents	25%	19%
	→ Age 65+	15%	15%
	→ Less Than 18	23%	23%
	→ Median Income	\$49,600	\$57,700
	→ Education High School or Less	31%	27%
	→ Poverty	16%	14%
	→ Foreign Born	5%	13%



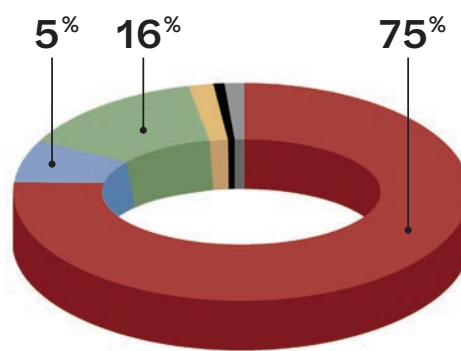
Race and Ethnicity



U.S.

→ POPULATION

→ 321.0 MILLION



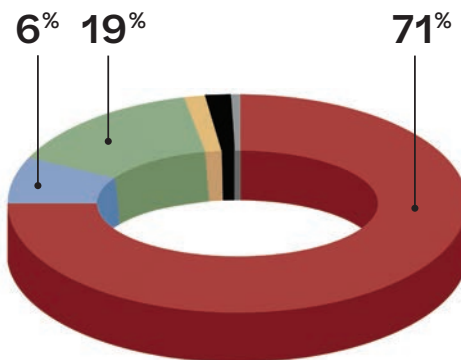
Catchment Area

→ POPULATION

→ 7.9 MILLION

— Key —
RACE AND ETHNICITY

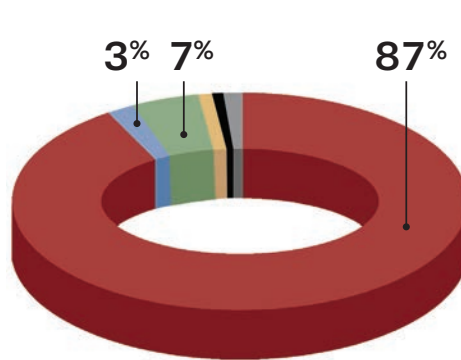
- White
- Hispanic
- Black
- Asian
- Other
- 2+ Races



Urban Counties

→ POPULATION

→ 5.9 MILLION

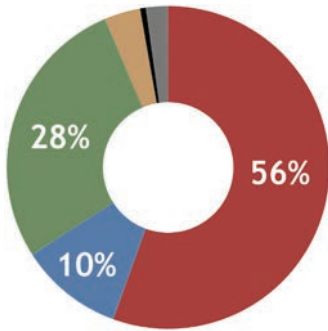


Rural Areas

→ POPULATION

→ 2.0 MILLION

Urban Counties

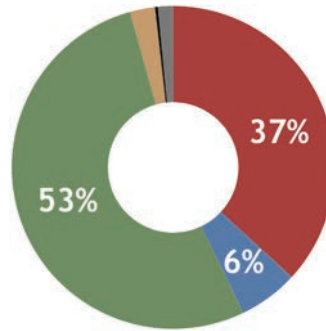


Nashville

DAVIDSON COUNTY

POPULATION

➔ 654,187

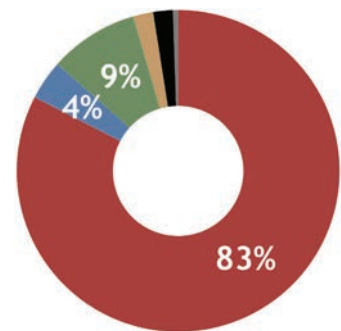


Memphis

SHELBY COUNTY

POPULATION

➔ 937,847

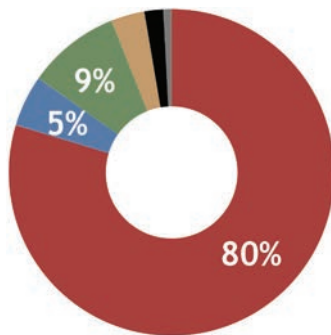


Knoxville

KNOX COUNTY

POPULATION

➔ 452,286

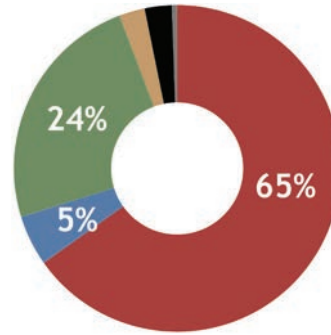


Bowling Green

WARREN COUNTY

POPULATION

➔ 123,824



Huntsville

MADISON COUNTY

POPULATION

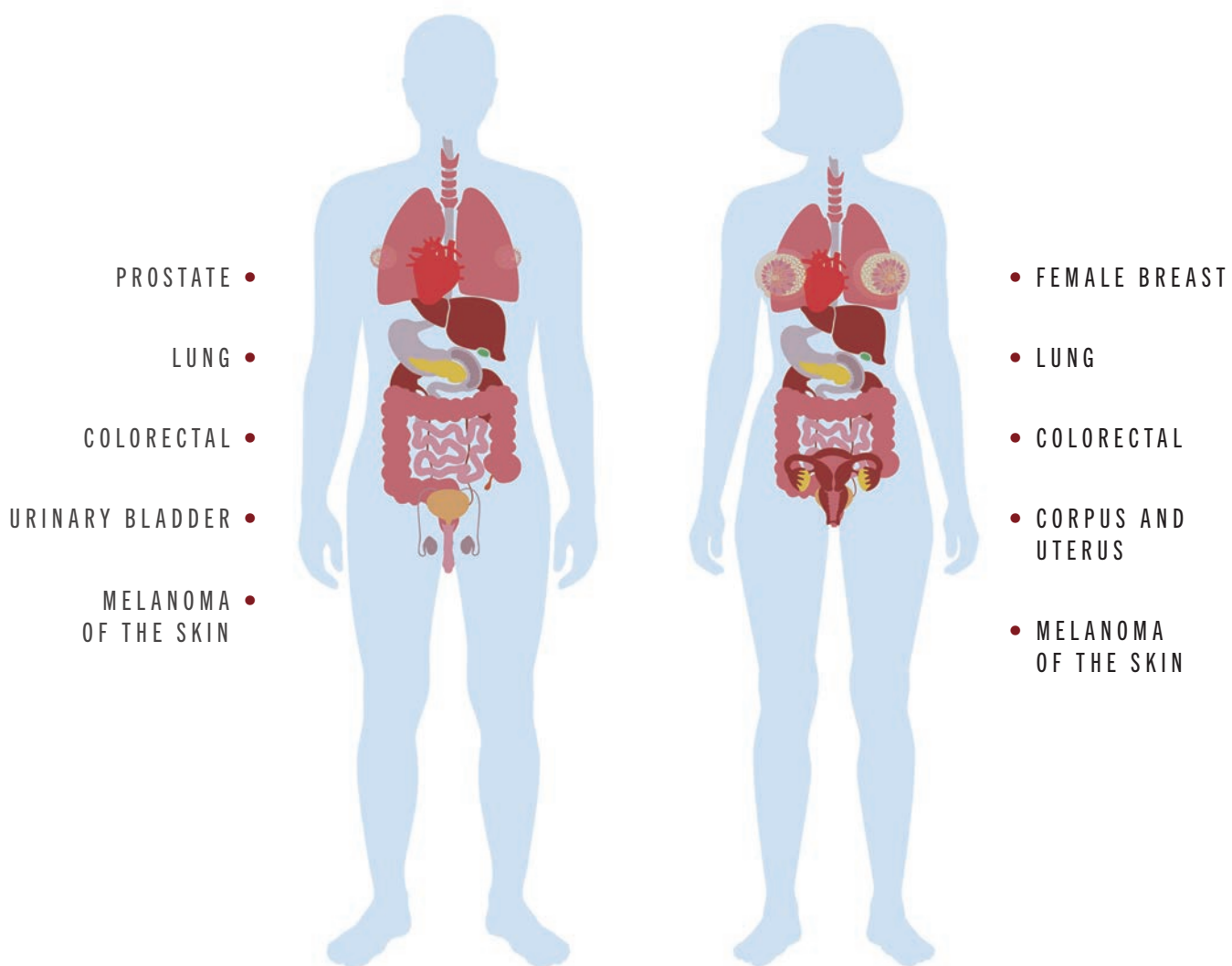
➔ 353,213

Cancer Burden

→ Most Common Cancers

Affecting Men and Women

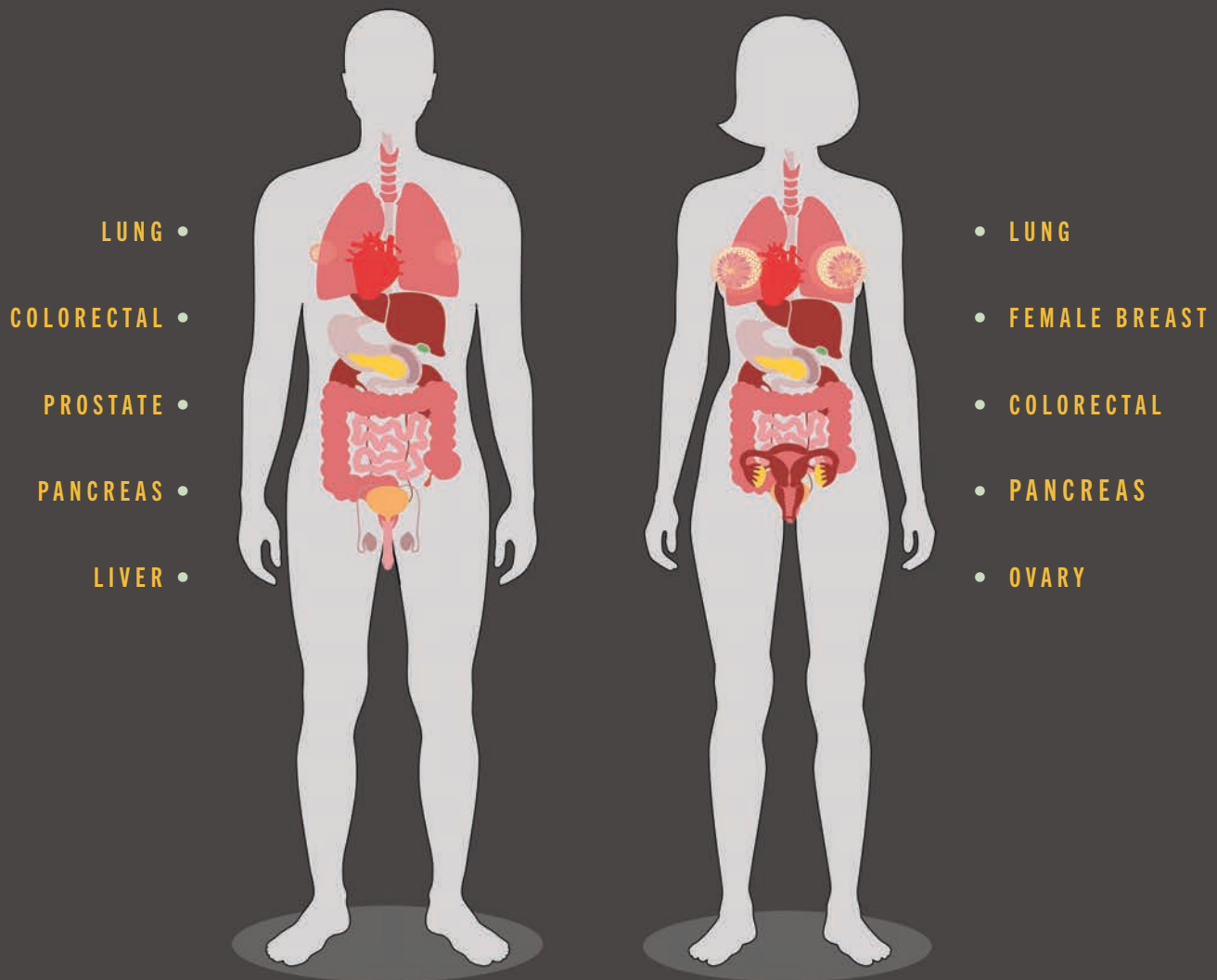
CATCHMENT AREA



Cancer Burden

→ Most Common Deaths from Cancers

Affecting Men and Women
CATCHMENT AREA

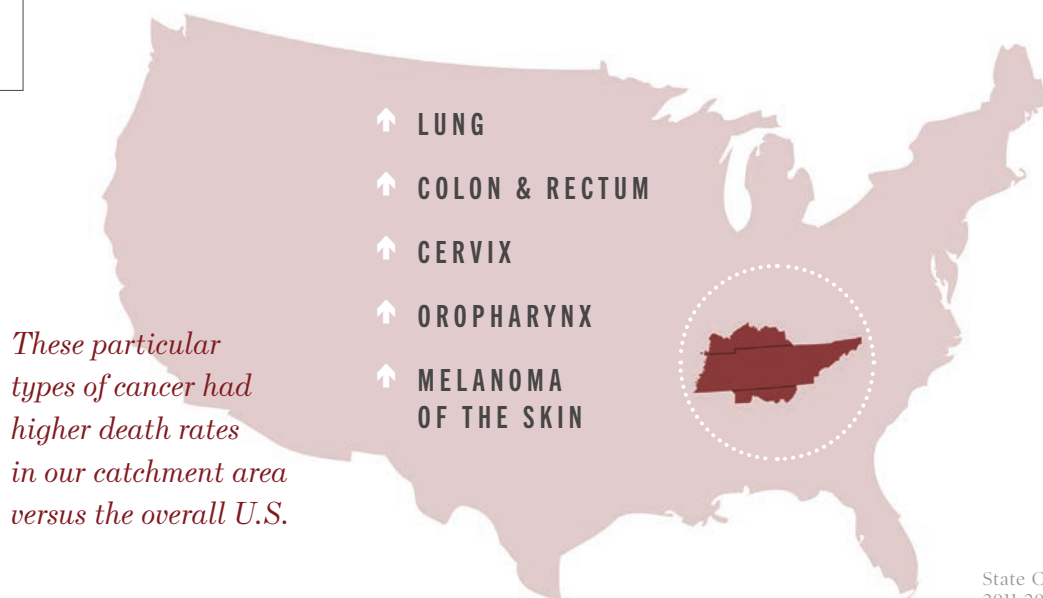


Cancer Burden

Cancer Needs Assessment

→ Cancers with Higher Mortality

IN THE CATCHMENT AREA VS U.S.



State Cancer Profiles, 2011-2015. See data in appendix Table 5

→ Cancers with Rising Mortality Trends

IN THE CATCHMENT AREA

ALSO RISING IN THE U.S.

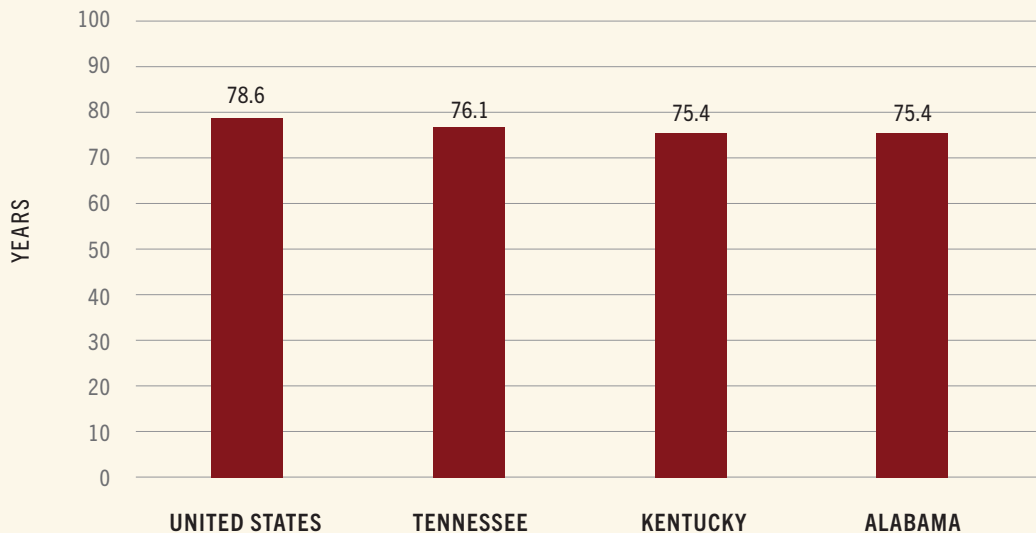
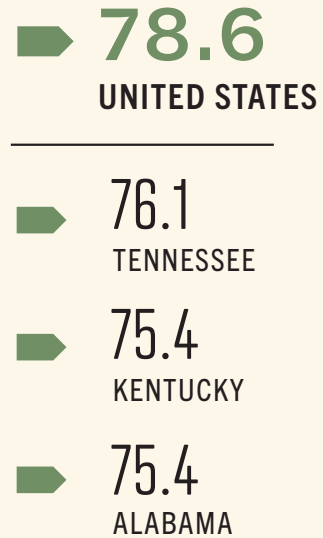


CATCHMENT AREA

Life Expectancy

Life expectancy in Tennessee, Kentucky, and Alabama is lower than the life expectancy in the U.S.

Life expectancy is lower in rural counties compared to urban counties in the catchment area.



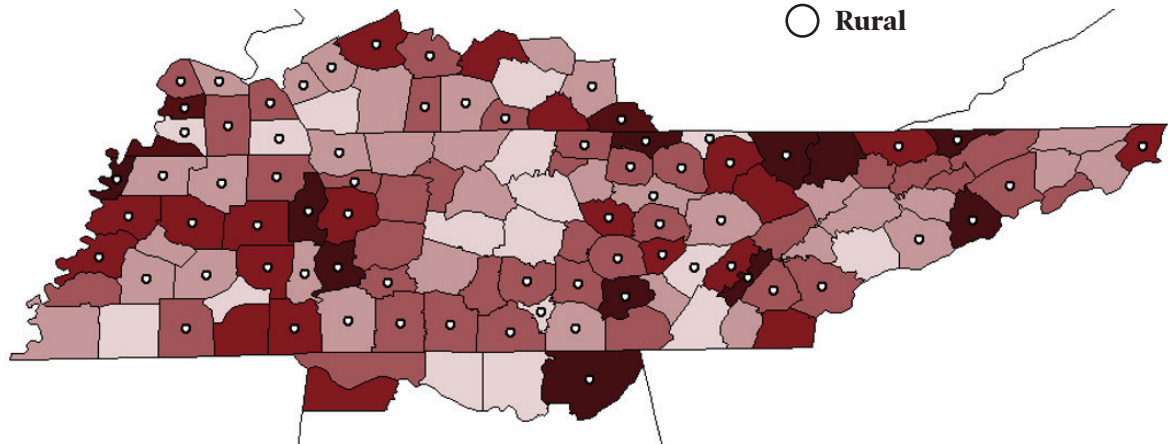
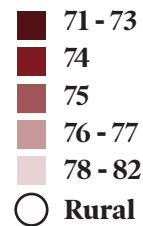


→ Life Expectancy

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

— Key —

Years of Age



Cancer Disparities

→ Racial and Ethnic Disparities

CATCHMENT AREA



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

Blacks Higher than Whites

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

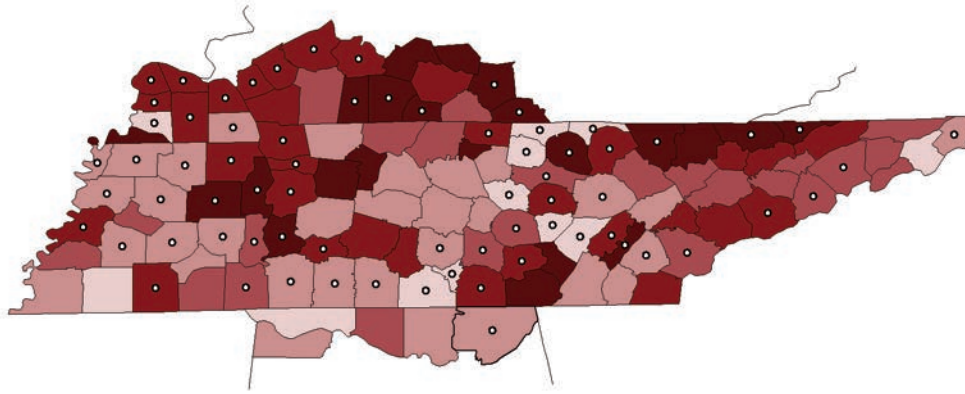
Hispanics Higher than Non-Hispanic Whites

- ↑ Cervix
- ↑ Childhood
- ↑ Stomach

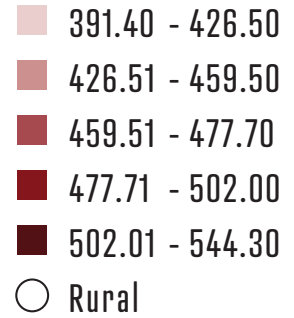
GEOGRAPHIC DISPARITIES IN

Overall Cancer Incidence

CATCHMENT AREA 2012-2016



INCIDENCE RATE:

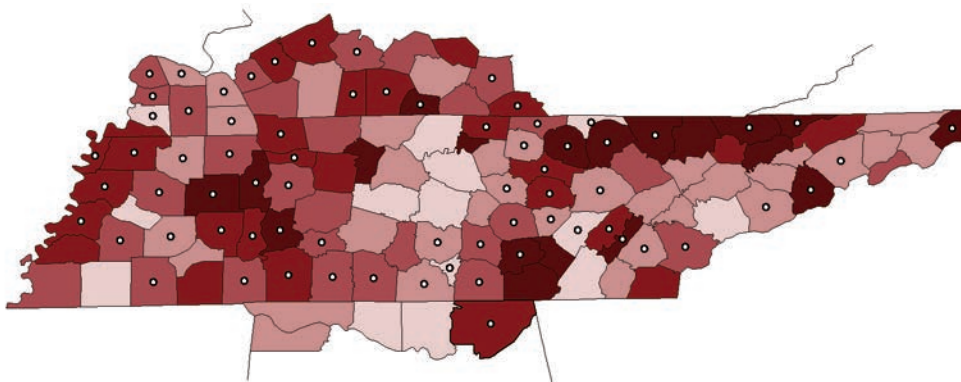


The difference in incidence rates among urban and rural counties highlight the geographical disparities that exist in our catchment area.

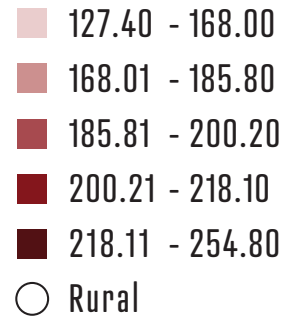
GEOGRAPHIC DISPARITIES IN

Overall Cancer Mortality

CATCHMENT AREA 2012-2016



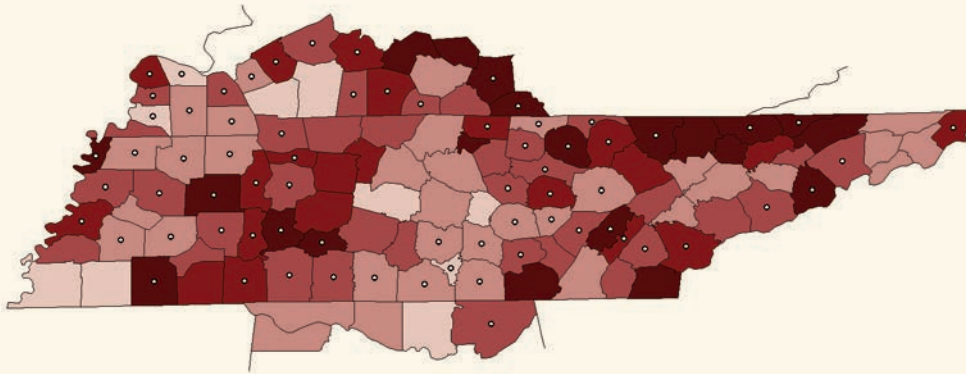
MORTALITY RATE:



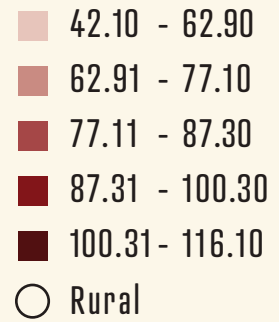
GEOGRAPHIC DISPARITIES IN

Lung Cancer Incidence

CATCHMENT AREA 2012-2016



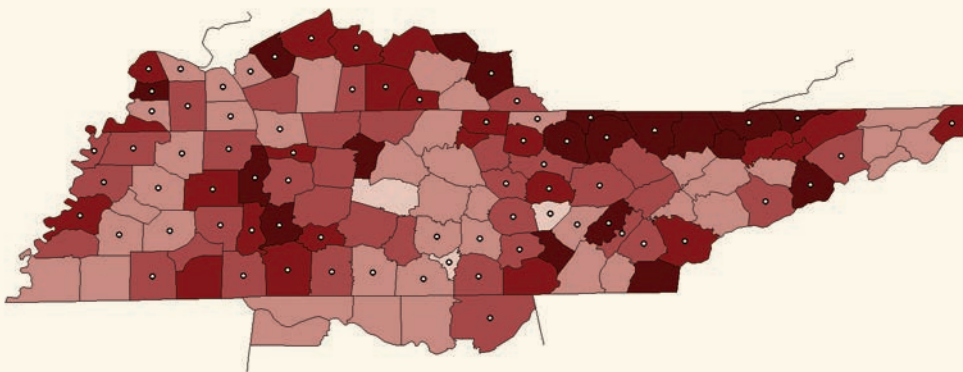
INCIDENCE RATE:



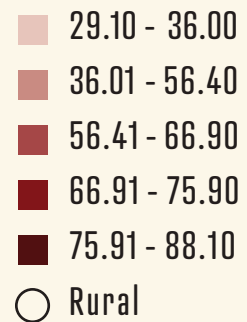
GEOGRAPHIC DISPARITIES IN

Lung Cancer Mortality

CATCHMENT AREA 2012-2016



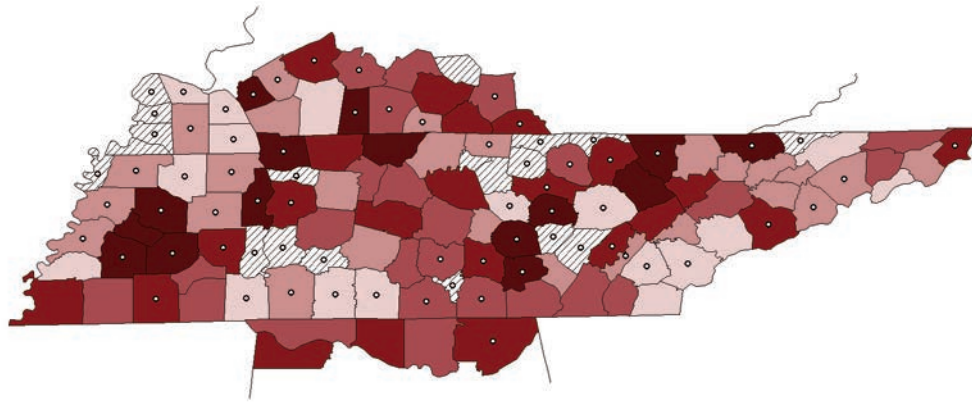
MORTALITY RATE:



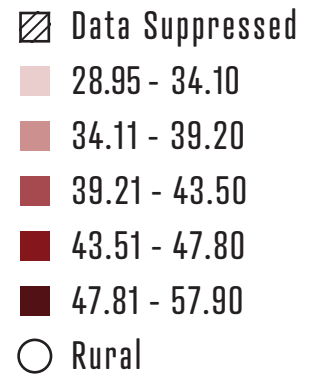
GEOGRAPHIC DISPARITIES IN

Late Stage Breast Cancer Incidence

CATCHMENT AREA 2012-2016



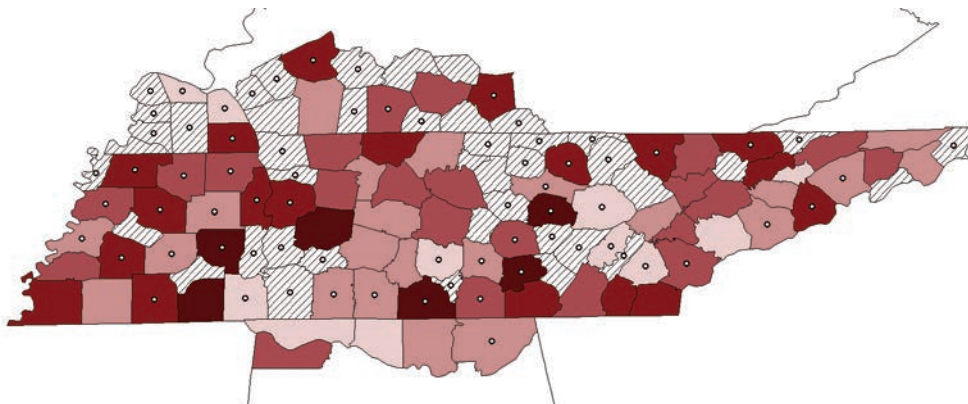
**LATE STAGE
INCIDENCE RATE:**



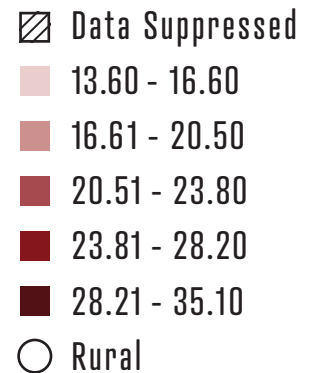
GEOGRAPHIC DISPARITIES IN

Breast Cancer Mortality

CATCHMENT AREA 2012-2016



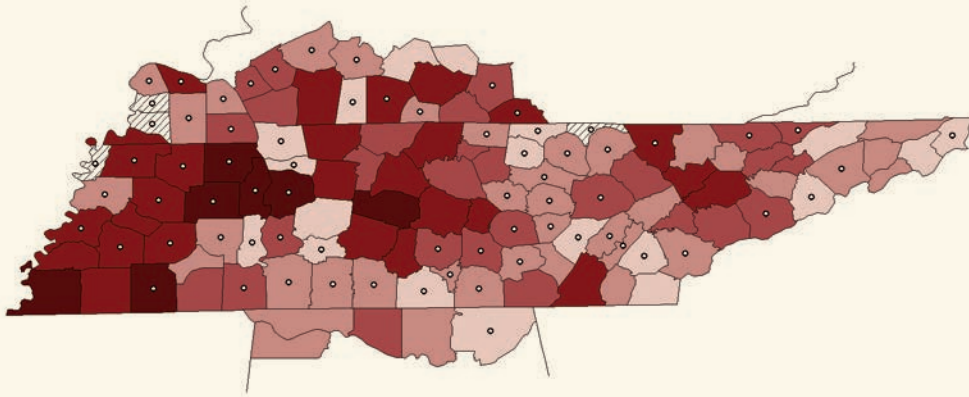
MORTALITY RATE:



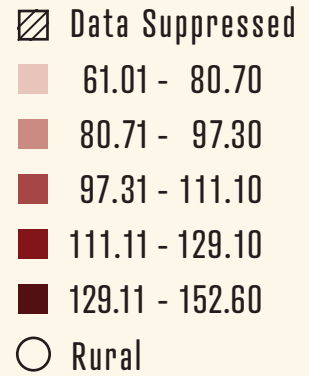
GEOGRAPHIC DISPARITIES IN

Prostate Cancer Incidence

CATCHMENT AREA 2012-2016



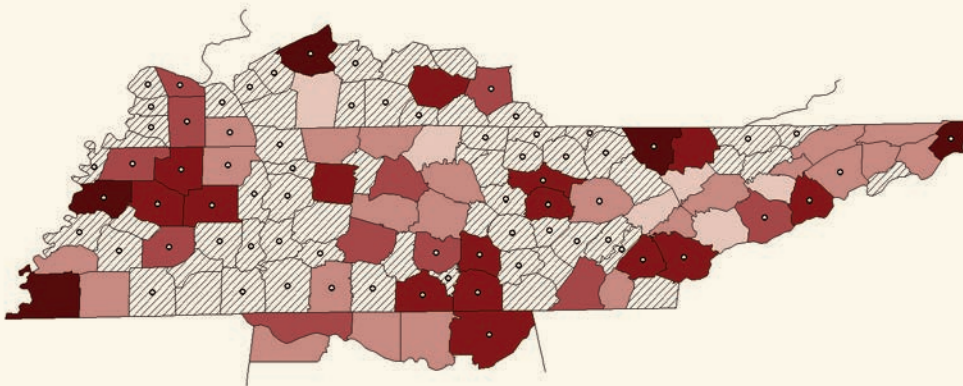
INCIDENCE RATE:



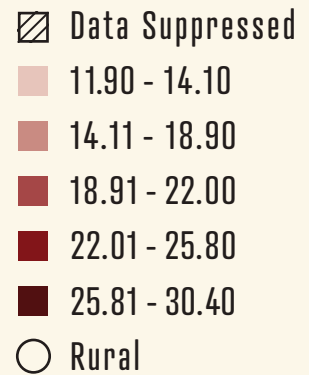
GEOGRAPHIC DISPARITIES IN

Prostate Cancer Mortality

CATCHMENT AREA 2012-2016



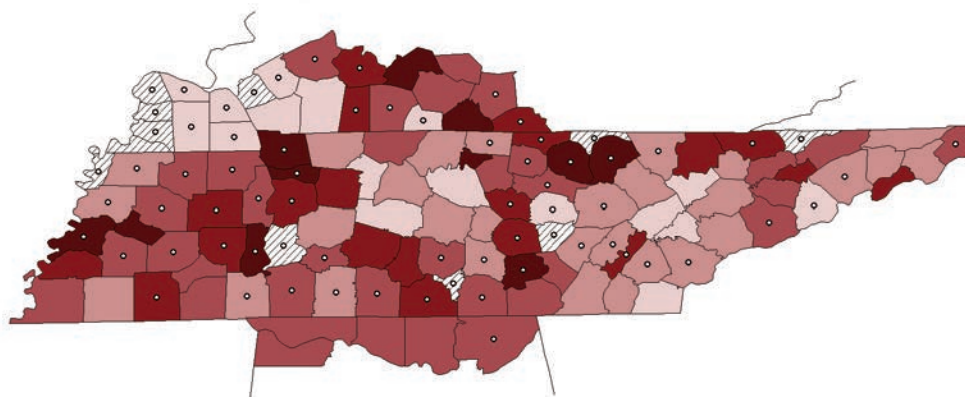
MORTALITY RATE:



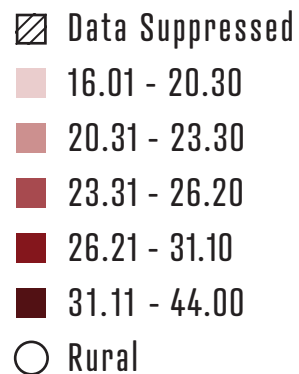
GEOGRAPHIC DISPARITIES IN

Late Stage Colorectal Cancer Incidence

CATCHMENT AREA 2012-2016



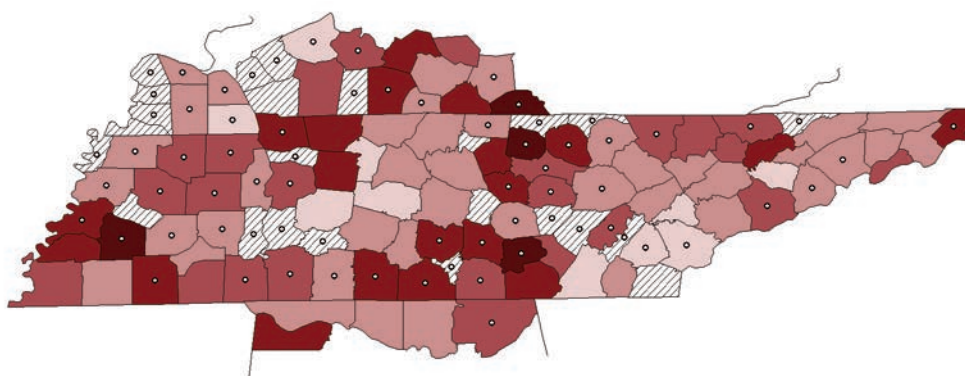
INCIDENCE RATE:



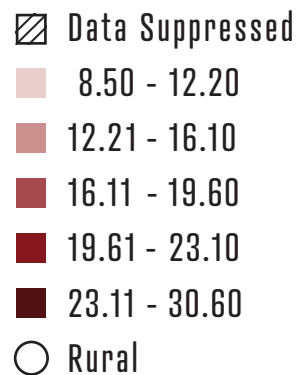
GEOGRAPHIC DISPARITIES IN

Colorectal Cancer Mortality

CATCHMENT AREA 2012-2016

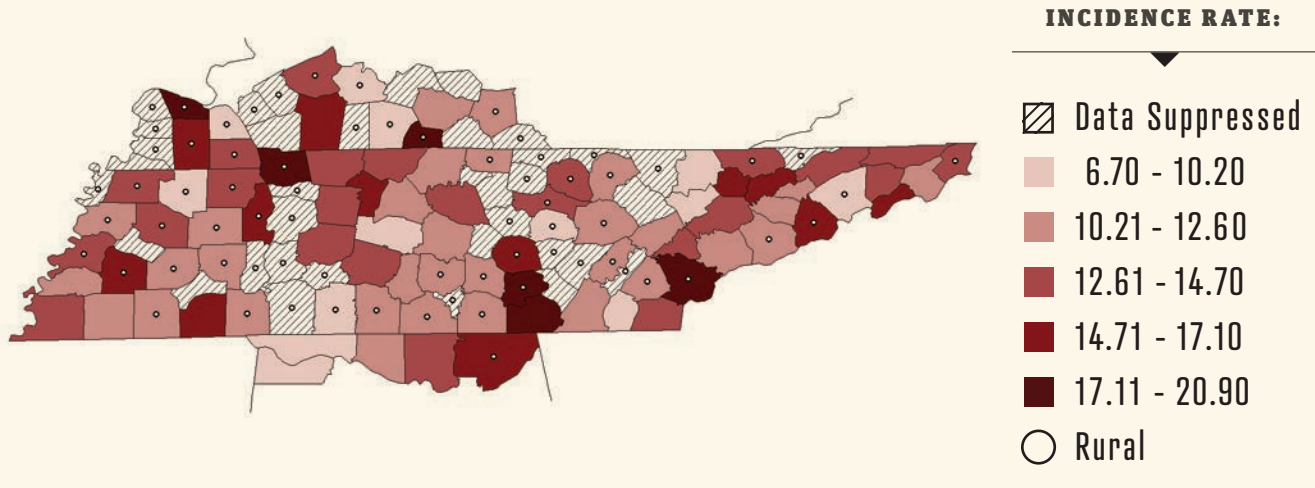


MORTALITY RATE:



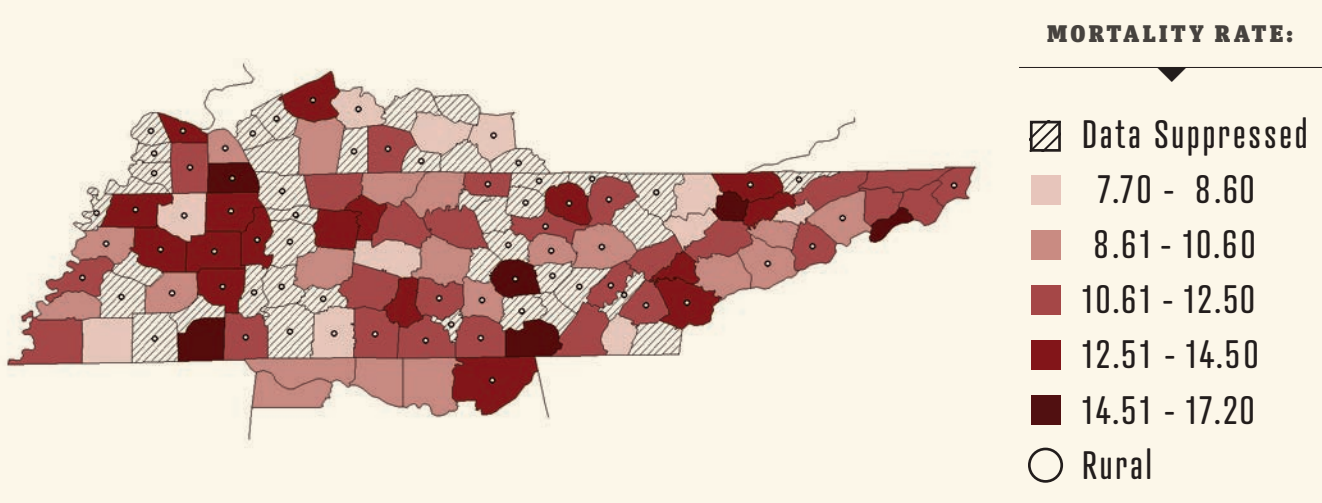
GEOGRAPHIC DISPARITIES IN
Pancreatic Cancer Incidence

CATCHMENT AREA 2012-2016



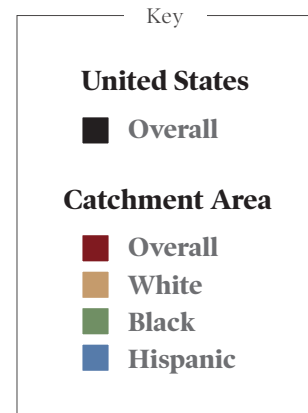
GEOGRAPHIC DISPARITIES IN
Pancreatic Cancer Mortality

CATCHMENT AREA 2012-2016





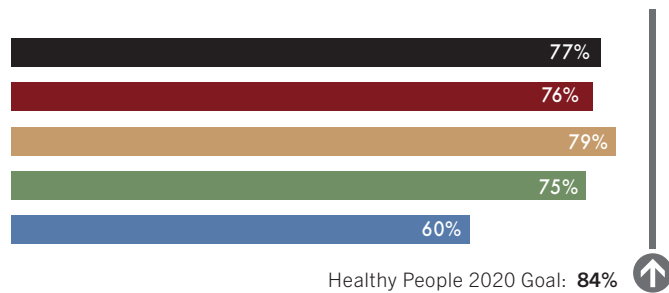
Health Care, Health Behavior, and Prevention



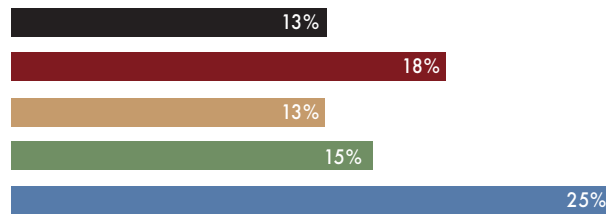
The charts below compare healthcare access, risk and prevention behaviors, and cancer screening for the U.S. versus the catchment area, overall and for selected racial and ethnic groups.



→ Have a Regular Health Care Provider



→ Could Not See A Health Care Provider Because of Cost



No Healthy People 2020 Goal Established

Healthy People 2020 Goals:

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

Key

United States

■ Overall

Catchment Area

■ Overall

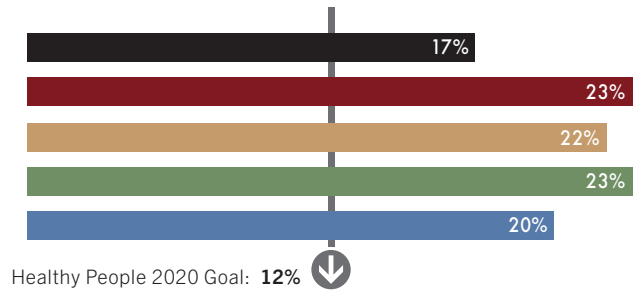
■ White

■ Black

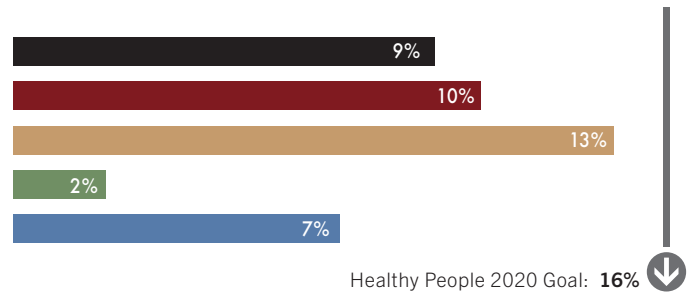
■ Hispanic



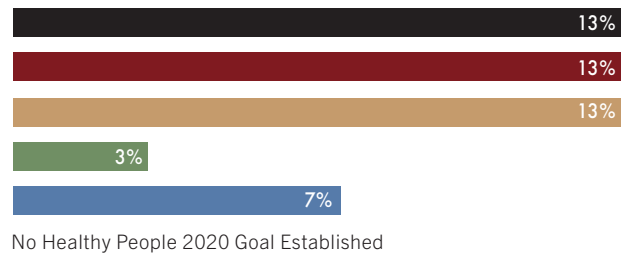
→ Adult Cigarette Smoking



→ Youth Cigarette Smoking



→ Youth e-Cigarette Use

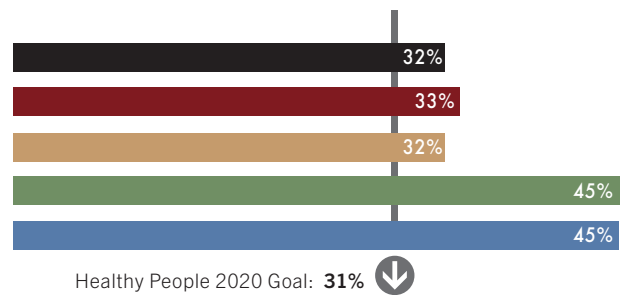


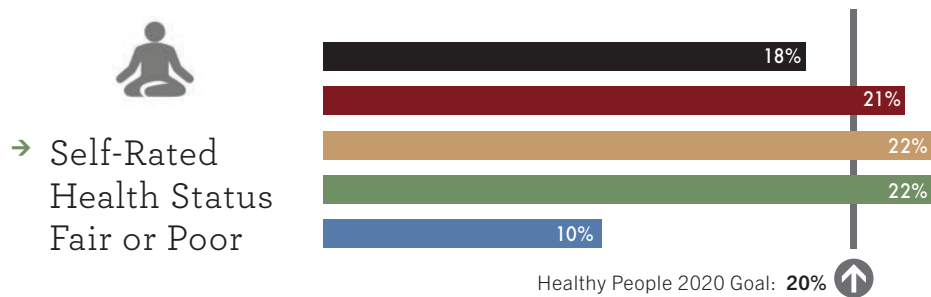
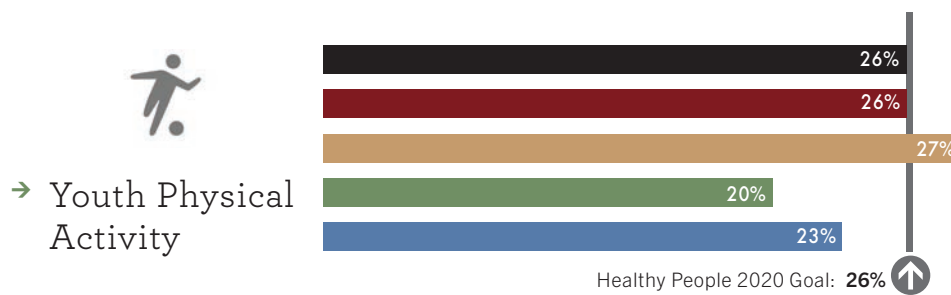
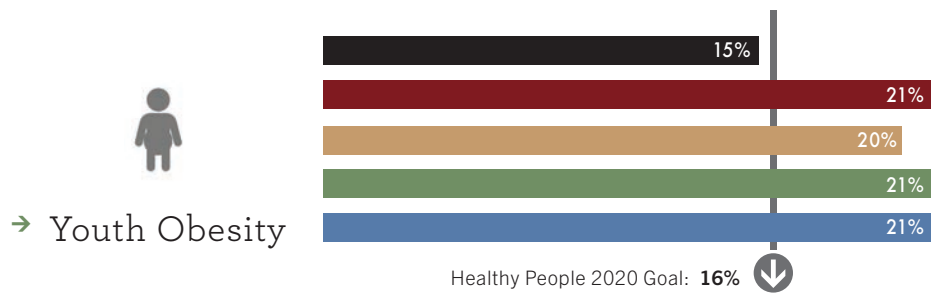
Healthy People 2020 Goals:

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



→ Adult Obesity





Key

United States

■ Overall

Catchment Area

■ Overall

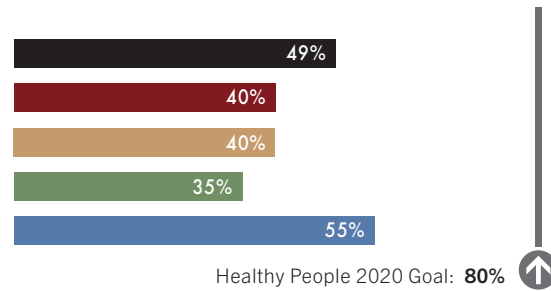
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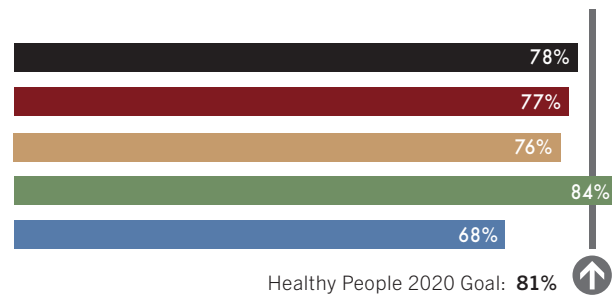
■ Hispanic



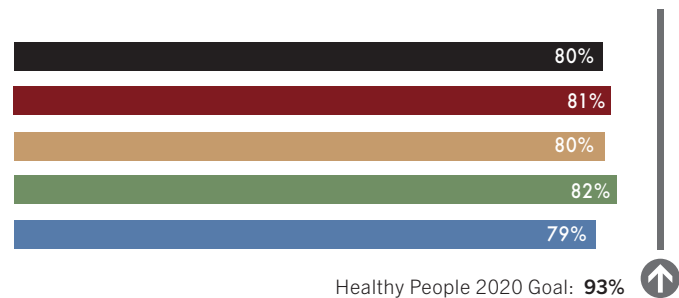
→ HPV Vaccination Coverage
Ages 13-17



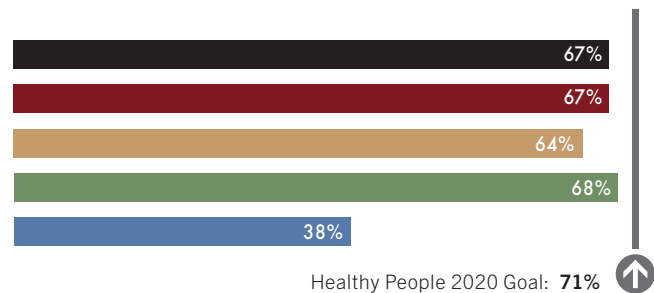
→ Female Breast Cancer Screening



→ Cervical Cancer Screening



→ Colorectal Cancer Screening



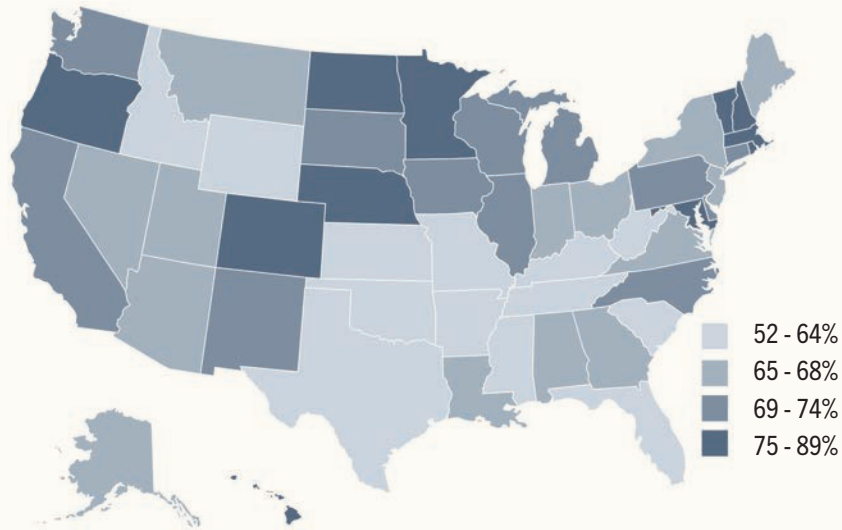
Healthy People 2020 Goals:

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

HUMAN PAPILLOMAVIRUS (HPV) VACCINATION

→ Started HPV Vaccine Series

2018



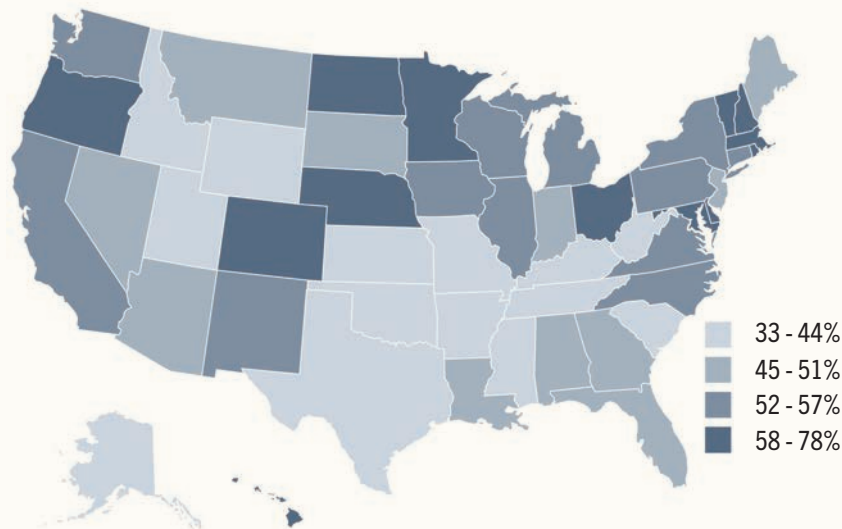
Health Care, Behavior, & Prevention

Cancer Needs
Assessment

*Tennessee and Kentucky
have among the lowest
HPV vaccination rates
in the U.S.*

→ Finished HPV Vaccine Series

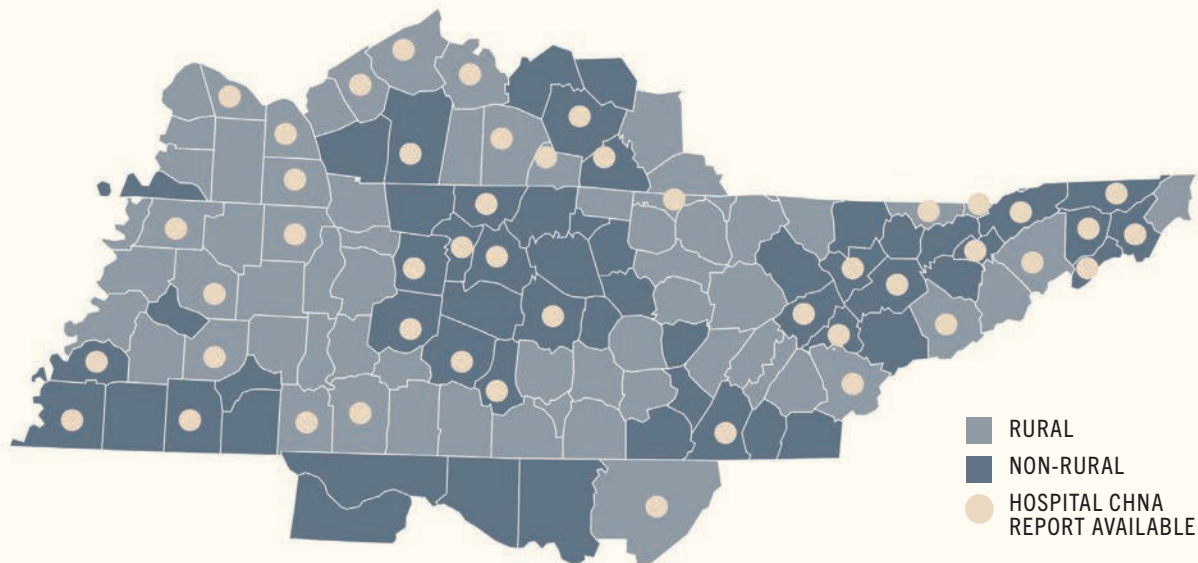
2018



Community Health Needs Assessments

→ Background

Non-profit hospital systems are required to conduct Community Health Needs Assessments (CHNAs) every three years. The purpose of the hospital performing a CHNA is to keep their non-profit status and to identify health needs in the communities the hospitals serve. Upon identifying community needs, priorities and implementation strategies can be developed.





→ Methods

In an effort for VICC to identify the needs and priorities that have been identified previously by local communities across the catchment area, staff conducted a content analysis of the 61 CHNAs available. An online web search was conducted to identify all the eligible non-profit hospitals within the catchment area.

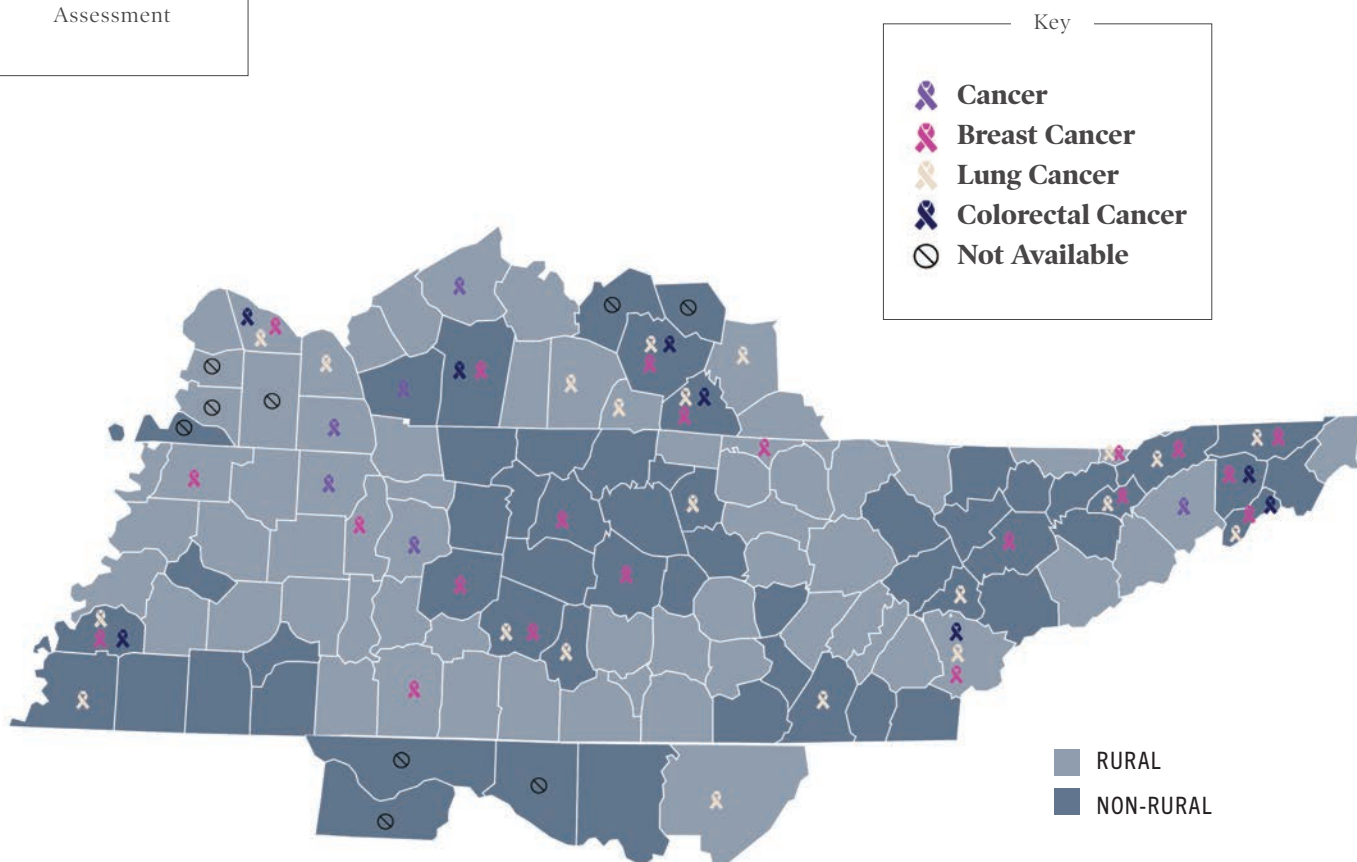
Next, an online web search was conducted to obtain the CHNA report from the hospital website. If the CHNA report was not available online, a member from the study team contacted an appropriate representative from the hospital to receive the CHNA report. Two members from the study team reviewed the content using the following criteria as priorities/implementation strategies: cancer, breast cancer, colon/colorectal cancer, lung cancer, pancreatic

cancer, prostate cancer, breast cancer screening, cervical cancer screening, access to care, social determinants of health, smoking, human papillomavirus (HPV) vaccine, obesity, physical activity, provider education, health fairs, and other. When reviewers disagreed on content ratings, a third member from the team performed the reconciliation. Data were aggregated by priority and implementation strategy.

Community Health Needs Assessments

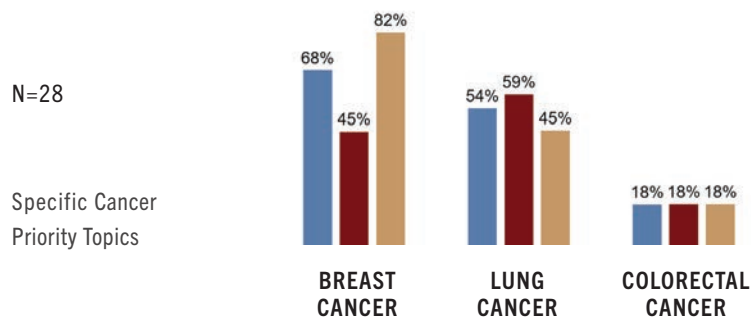
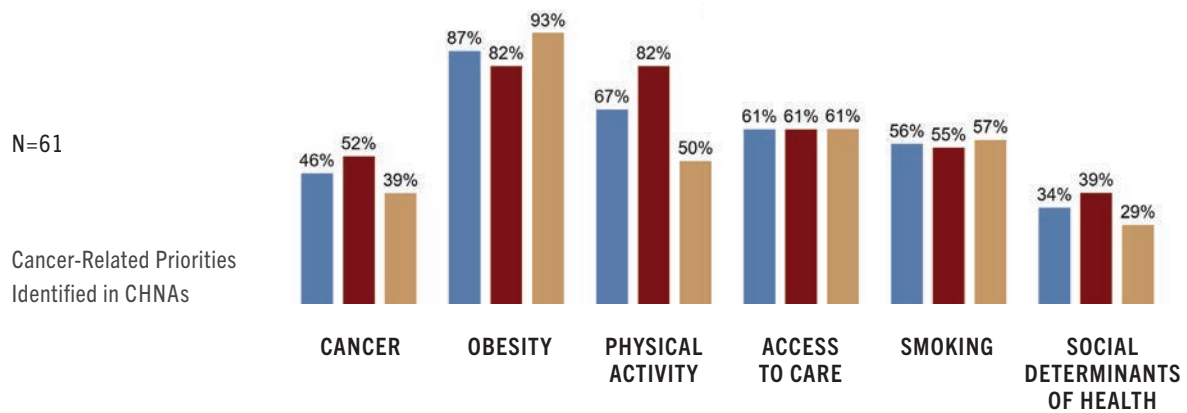
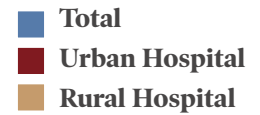
Cancer Needs Assessment

→ Results Health Priorities and Implementation Strategies Chosen by County



→ Priorities Selected

Nearly 50% of hospitals identified cancer as a priority, with breast cancer and lung cancer selected most often. More urban hospitals chose cancer as a priority compared to rural hospitals.

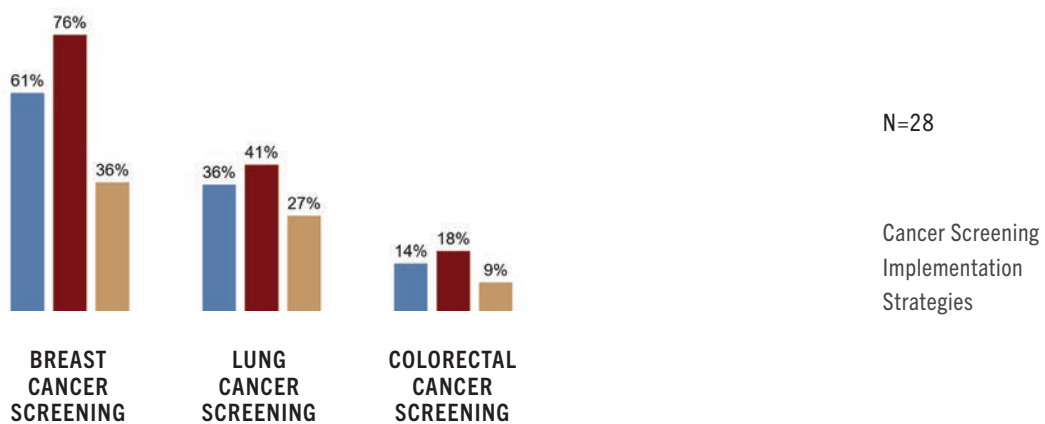
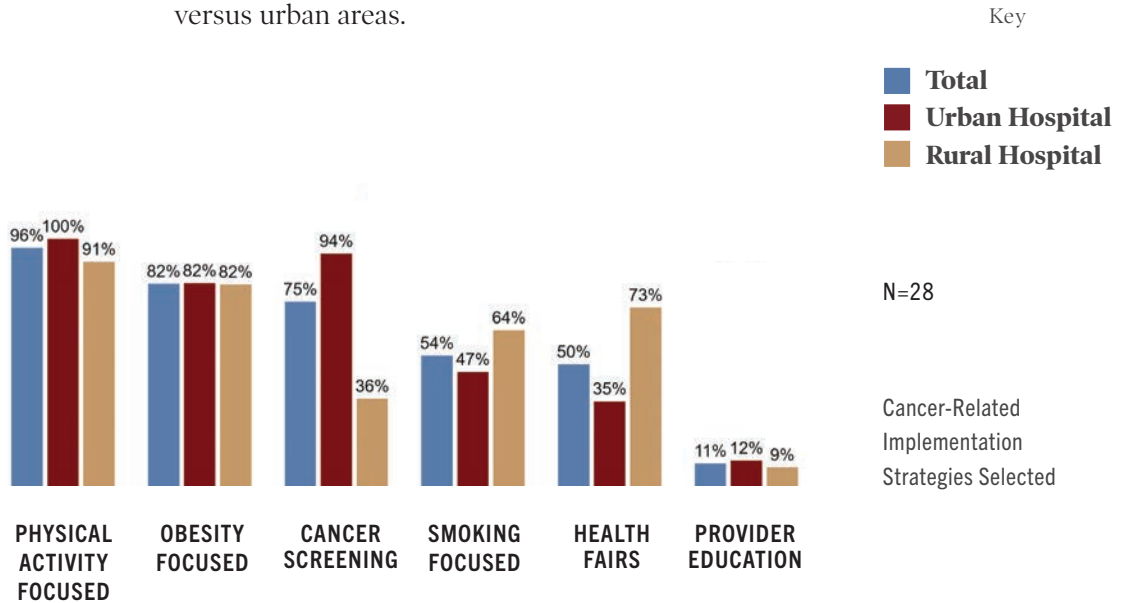


Implementation Strategies

Cancer Needs Assessment

→ Results Implementation Strategies Selected

Rural areas were less likely to select cancer-related implementation strategies than urban areas, despite high cancer mortality rates. Smoking-focused strategies were selected more often in rural areas versus urban areas.



Telehealth Interest Surveys

→ Background

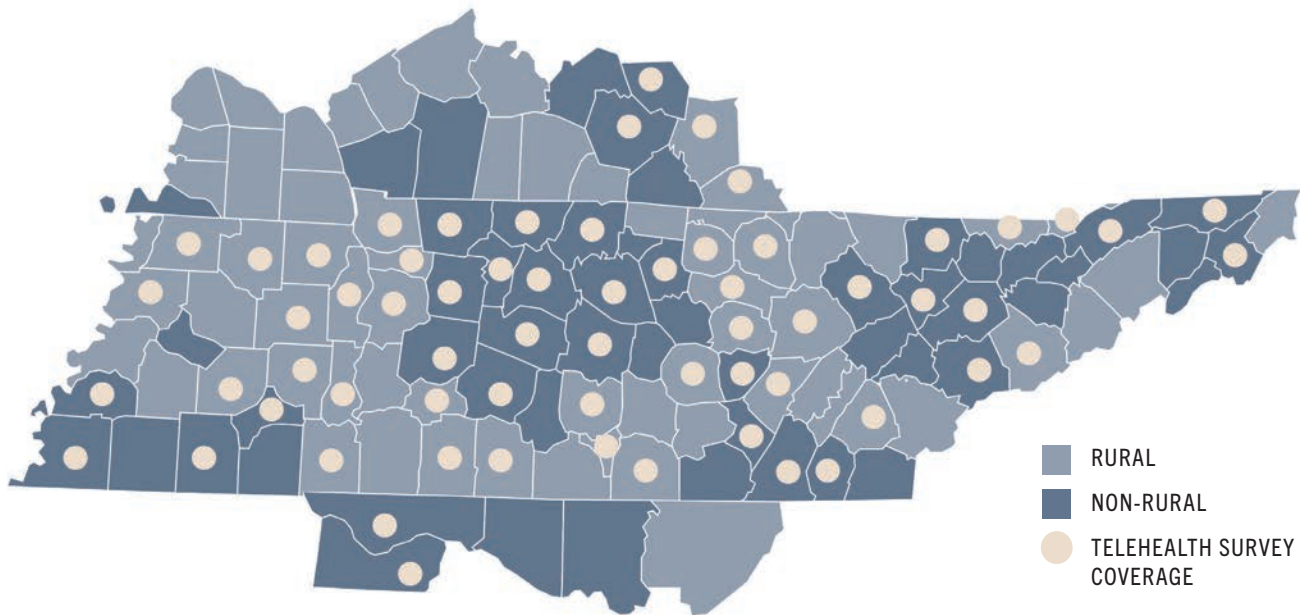
Telehealth refers to the use of electronic information and telecommunications technologies to support and promote long-distance clinical health care, patient and professional health-related education, public health, and health administration. These technologies include videoconferencing, internet, imaging, streaming media, telephone, and wireless communications.

We collected a Telehealth Interest Survey from a variety of stakeholders across the catchment area to gather their input about cancer-related services needed in their local area. The purpose of the survey was to identify potential gaps in services, which VICC may be able to fill using telehealth. Collaboration with local partners will be necessary to avoid duplicating existing services and efforts.

Methods

Data were collected using a convenience sampling methodology to recruit individuals to participate in the telehealth interest survey. Individuals were recruited through posting and distributing flyers at local community organizations, via email listservs, and through personal referrals. The flyer was also emailed to selected partners of health care providers, healthcare organizations, public health agencies, community organizations, and other stakeholders.

→ **LOCATION OF TELEHEALTH SURVEY RESPONDENTS**



→ **Methods** **The following definitions were provided to survey respondents as background information before the survey questions.**

Telehealth refers to the use of electronic information and telecommunications technologies to support and promote long-distance clinical health care, patient and professional health-related education, public health, and healthcare administration. These technologies include videoconferencing, internet, imaging, streaming media, telephone, and wireless communications.

HPV vaccination Information: The HPV vaccine is safe and effective in preventing the majority of HPV-associated cancers. Despite high rates of HPV-associated cancers in our area, uptake, and completion of the HPV vaccine series remains low (under 40%) resulting in a missed opportunity for

cancer prevention. VICC can provide trainings and educational tools to health care providers and staff in our rural provider network via web-based resources, telehealth, and educational opportunities.

VICC Molecular Tumor Board (MTB): A weekly meeting for providers in which complex cancer patients are presented, through a brief case synopsis and review of molecular tumor reports. A multi-disciplinary team then provides guidance on treatment and other issues, including potential germline implications of result. The team consists of medical oncologists, geneticists, molecular pathologists, and bioinformatics researchers.



Telehealth Interest Surveys

Cancer Needs
Assessment

Smoking Cessation Clinic: The Tobacco Treatment Clinic at the VICC is a dedicated outpatient clinic for smoking cessation staffed by a Certified Tobacco Treatment Specialist. Through self and provider referrals, outpatient counseling, and other evidence-based strategies for smoking cessation are provided to patients, and a tobacco cessation care plan is formulated. This service will be made available through telehealth at no cost to the patient.

Pre-Screening for Lung Cancer Screening: Lung cancer is the leading cause of death in the U.S., but opportunities for reducing mortality exist via lung cancer screening by chest CT to increase the yield of early diagnosis of lung cancer among high risk individuals. There are two clinical trials at VICC through which high risk populations may receive screening through chest CT, sputum cytology, and pulmonary function tests. Patients may be screened for eligibility and consented through telehealth, after which they travel to VICC for a clinic appointment, with some travel costs reimbursed. Following the clinic visit, a letter is sent to the patient and their primary care provider outlining the findings from

the screening tests with follow-up recommendations at no cost.

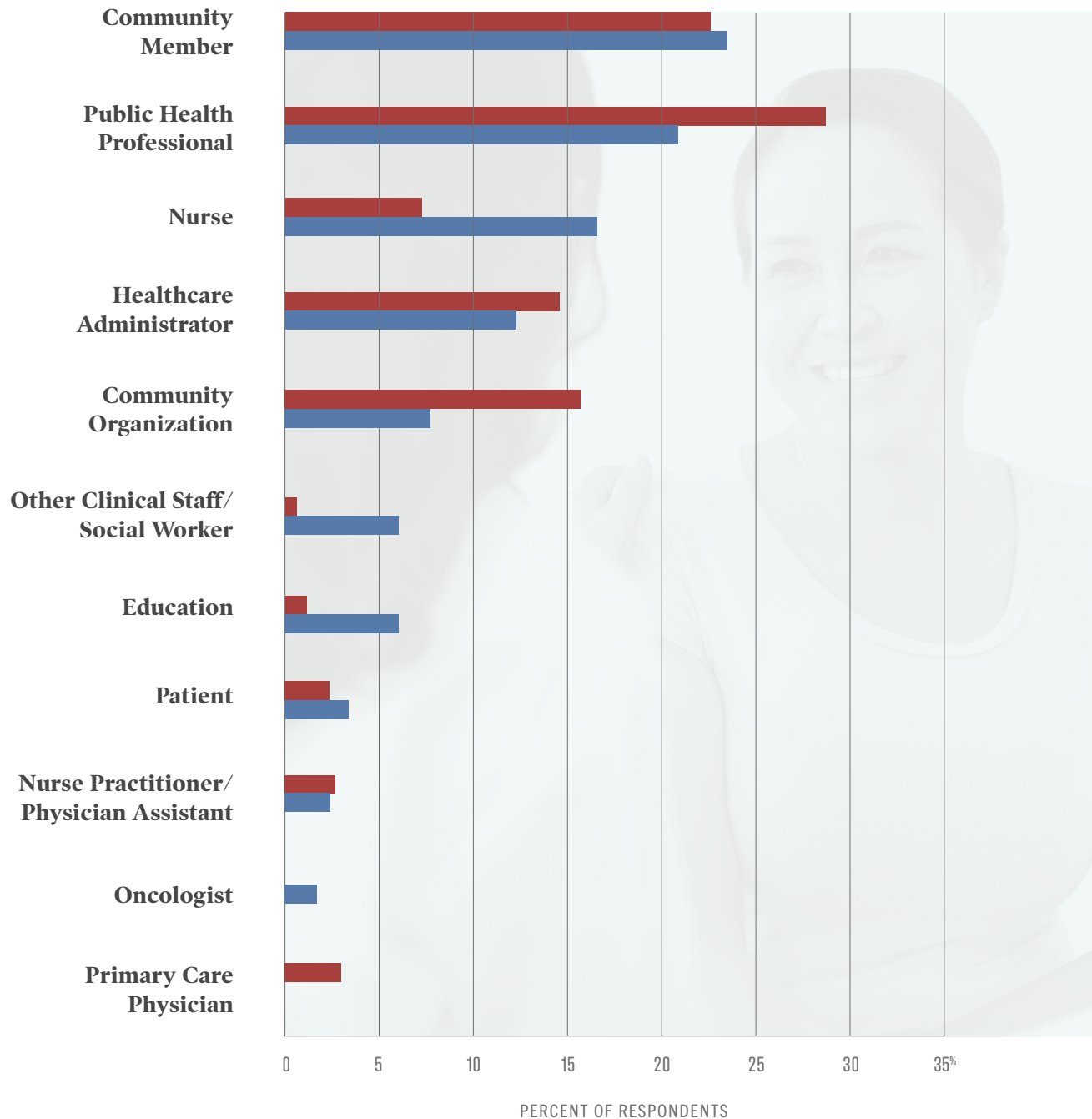
Cancer Survivor Follow-up Care Program: This program offers a full range of follow-up care designed to meet the individual needs, whether physical, emotional, or practical, of post-therapy cancer survivors. Each survivor receives a personalized Cancer Survivorship Care Plan that serves as a roadmap for future health and wellbeing. This program is equipped to deliver services through telehealth as billable services in rural areas, covered by CMS and most commercial insurers.

VICC Hereditary Cancer Clinic: This clinic is for hereditary cancer assessment and offers genetic risk assessment, counseling, and testing to individuals with or without cancer interested in learning about their inherited cancer risk. This information may be used to guide screening and treatment. Through the clinic, telehealth services are covered by most commercial insurers, and additionally there is coverage through CMS in rural areas.

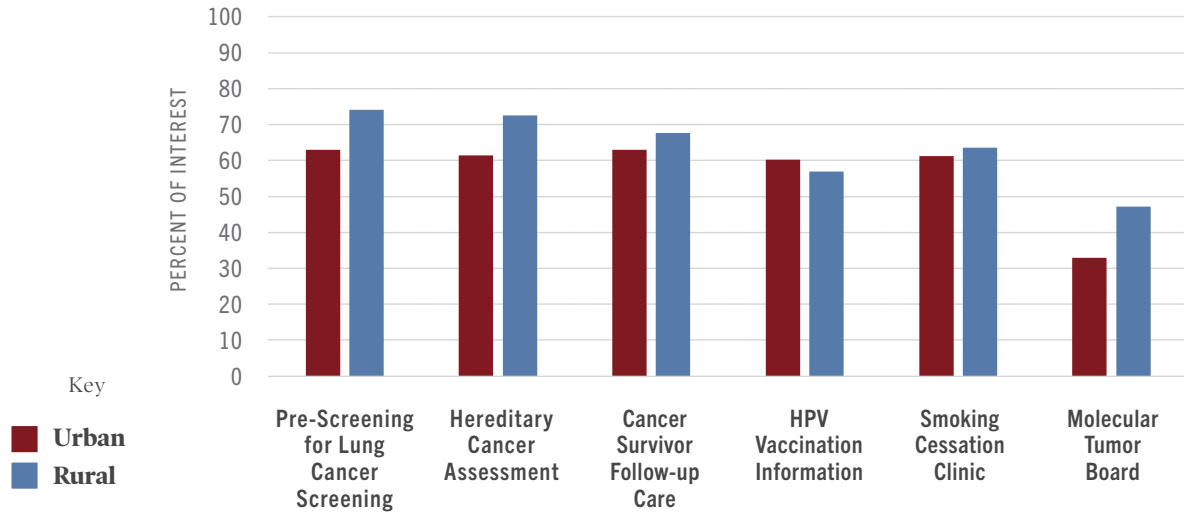
Participant Occupation

BY RURAL CLASSIFICATION

Key ■ Urban ■ Rural

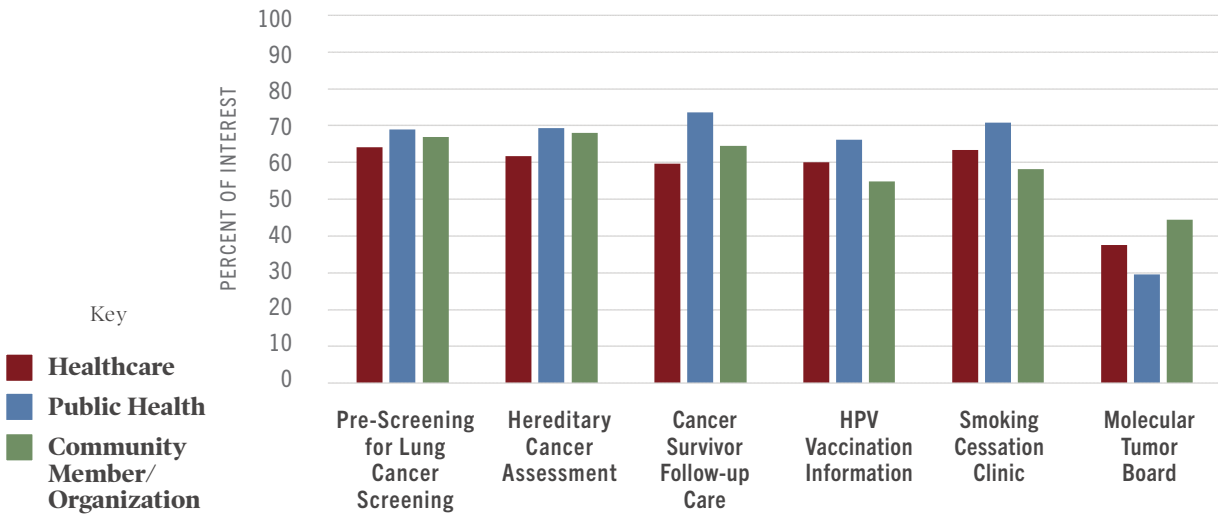


→ **Results** High / Very High Interest in Services by Rural Classification



See data in appendix Table 33

→ **Results** High / Very High Interest in Services by Healthcare vs Non-Healthcare Occupation



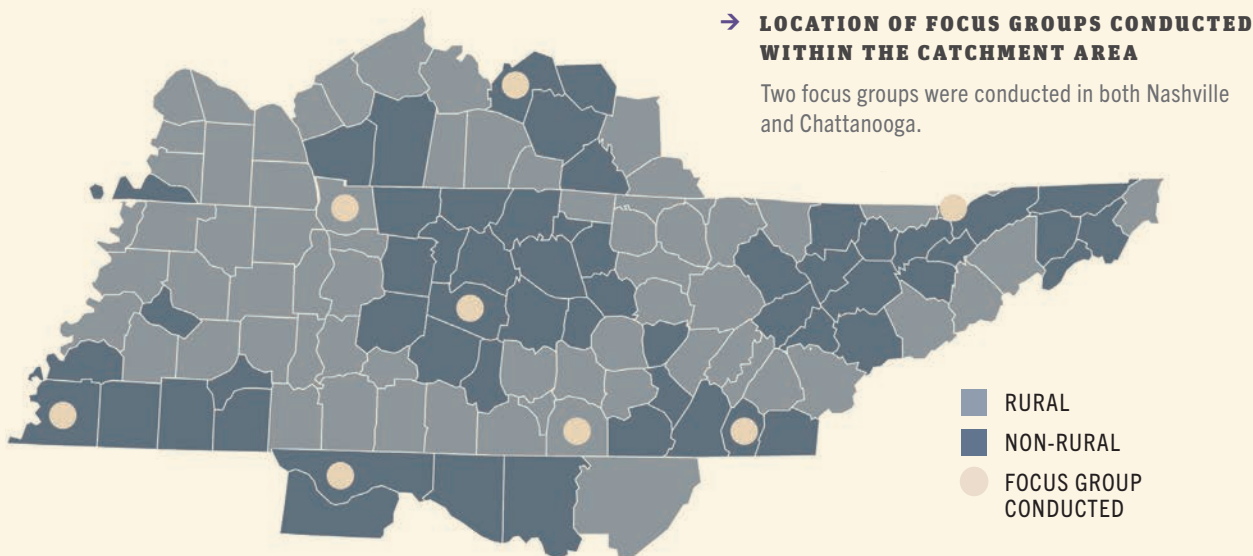
See data in appendix Table 33

Community Feedback

→ Background

Focus Groups: To identify needs and barriers to cancer care, our staff went into the communities to speak with groups of people living within the catchment area.

Key Informant Interviews: To speak with key stakeholders such as patients, health care providers, healthcare systems, public health agencies, and community organizations and ask questions about the current needs, barriers, and opportunities for cancer prevention and control services in the catchment area.





→ Methods

Focus Groups: A total of 10 focus groups were conducted in various areas within the catchment area. Participants were recruited through advertisement and distribution of recruitment flyers at community centers, sent via email listservs, posted on social media, and through personal referrals. The focus groups were conducted with participants living within the catchment area that were cancer patients/caregivers, health care providers and representatives from healthcare organizations, public health agencies, and community organizations. A trained moderator and a notetaker were assigned for each of the focus groups. Moderators used a semi-structured discussion guide to ask questions about cancer-related needs in the catchment area and interest in potential telehealth services that could be provided.



Key Informant Interviews: An email invitation was sent to selected partners of health care providers, healthcare organizations, public health agencies, community organizations, and other stakeholders to invite them to participate in an interview. Follow-up calls were made to ensure they received the email. Interested participants contacted study staff by phone or email to schedule an interview.

Qualitative interviews were conducted with key informants representing patients, health care providers, healthcare organizations, public health agencies, community organizations, and other stakeholders. Interviews were conducted over

the phone or in person by trained study staff. The interviewer used a semi-structured discussion guide to ask questions about cancer-related needs in the catchment area and interest in potential services that could be provided.

The interview was audio recorded to ensure responses are understood correctly. The recordings were transcribed, and all identifiers were removed from the transcription. The responses to all the interviews were summarized. When specific responses from individual organizations were quoted, the organization or person's name was not identified.

Community Feedback

Cancer Needs Assessment

→ Interview Category	N	%
State & Local Health Departments	6	19.4
Hospitals/ Networks/ Systems	5	16.1
Cancer-Focused Organizations	3	9.7
Non-Profit Community Agencies	7	22.6
Faith-Based Organizations	1	3.2
Coalitions	4	12.9
Other Community Members	5	16.1
Total	31	100

Barriers

Key

For focus groups, geographic differences in frequency of themes mentioned are indicated as follows:

- Rural
- Urban
- No Difference

Policy →

- Eligibility for insurance
- Rules around coverage
- Coverage amount
- Coverage changes
- Insurance discrimination
- For-profit incentives

Community →

- Distance to clinics
- Lack of coordinating care
- Healthcare deserts
- Lack of transportation services
- Outreach methods
- Distressed community
- Environmental toxins
- Food deserts

Organizational →

- Lack of treatment centers
- Lack of specialists
- Limited funding
- Limited general providers
- Inadequate quality care
- Poor provider communication
- Quality of technology
- Underutilization
- Outdated provider knowledge

Interpersonal →

- Family management
- Cancer experiences
- Limited social networks

Individual →

- Resource knowledge
- Competing priorities
- Poor literacy
- Personal technology
- Financial constraints
- Health literacy
- Transportation
- Perceived severity
- Insurance status
- Health behaviors
- Mistrust in system
- Avoidance/delay



→ Results

Solutions

Policy →

- | | |
|---------------------------------|------------------------|
| Resource allocation | Provider education |
| Invest in transportation | Environmental policies |
| Workplace regulations | Campaign for change |
| Increase tobacco tax | Screening incentives |

Community →

- | | |
|------------------------------------|-----------------------------|
| Telehealth | Engage community coalitions |
| Engage church leadership | Community interventions |
| Continue effective local resources | Tailored outreach |
| Informational health fairs | Youth early education |

Organizational →

- | | |
|-----------------------------|------------------------------------|
| Provider education | Nutritional workshops |
| Specialist visits | Continue effective local resources |
| Encourage preventative care | Seek funding opportunities |
| Up-to-date technologies | |

Interpersonal →

- | | |
|--|----------------------|
| Family support (specific to telehealth session) | Patient testimonials |
| Support groups | Peer mentorship |

Individual →

- | | |
|------------------------------|-----------------------------------|
| Resource awareness | Navigate system |
| Technology assistance | Encourage personal responsibility |
| Patient education | Provider recommendations |
| Consider literacy | |
| Emotional support | |

Community Feedback

Cancer Needs Assessment

→ Strong Desire for Cancer Education

EDUCATIONAL MATERIALS

“We need somebody to come tell us the truth, and what you really should do for it, and what you really know, and what you really don’t know.”

→ Barriers to Diagnosis and Treatment of Cancer

INSURANCE

“There’s a lady at my church, she has it and she actually stopped her treatment because her insurance just won’t pay anymore.... She’s 90.”

“The medications, for example, I’m going through with my mom and one of the medications, just one of the medications out of a whole handful, her out of pocket cost is \$350 a month. Well she’s on a very, very limited income as an 85-year-old on Social Security.”

FEAR OF DIAGNOSIS

“I had a neighbor who had a tumor that ended up being 12 pounds and she wouldn’t even go see the doctor, she was fearful.”

TRANSPORTATION

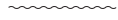
“Because a lot of people don’t want to drive outside. Yeah, they just won’t do it. They can’t. They’re afraid because it’s so big.”

“Transportation is still a barrier in this community. There are still some that don’t have a vehicle that would make it to Nashville.”

→ **Barriers to Solutions
for Cancer Care**

HOLISTIC APPROACHES

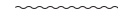
“The mental and emotional aspect is [important], finding support and finding not only the resources, but people that understand what you’re going through and can say, *Hey, there is hope, there is people to talk to, there’s ways to get help.*”



→ **Barriers to Telehealth
Services for Cancer Care**

TELEHEALTH SERVICES

“Another thing you would have to be concerned with, in such a small town, is if you did set something like that up here or at the Health Department, it needs to be ultra-private because there is nothing but busy bodies and tale carriers.”

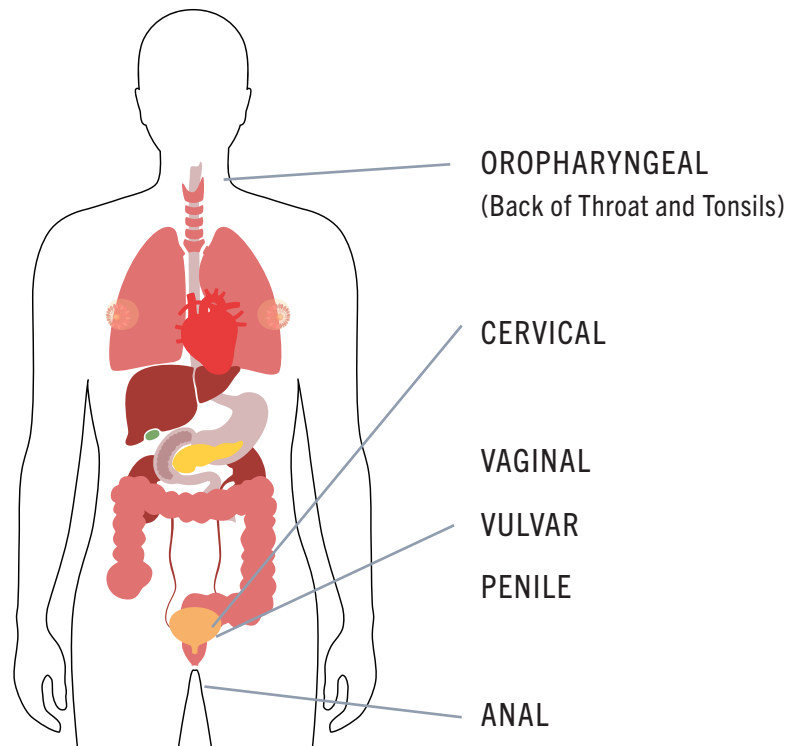


Strategies for Cancer Prevention

➡ HPV
RELATED CANCERS

6
TYPES OF CANCER

HPV VACCINE
➡ ACTION ITEMS



- ➔ **Enhancing Access to Vaccination Services**
- ➔ **Increasing Community Demand for Vaccinations**
- ➔ **Provider- or System-Based Interventions**

Resources

Community Guide:
<https://bit.ly/2AVYYyi>

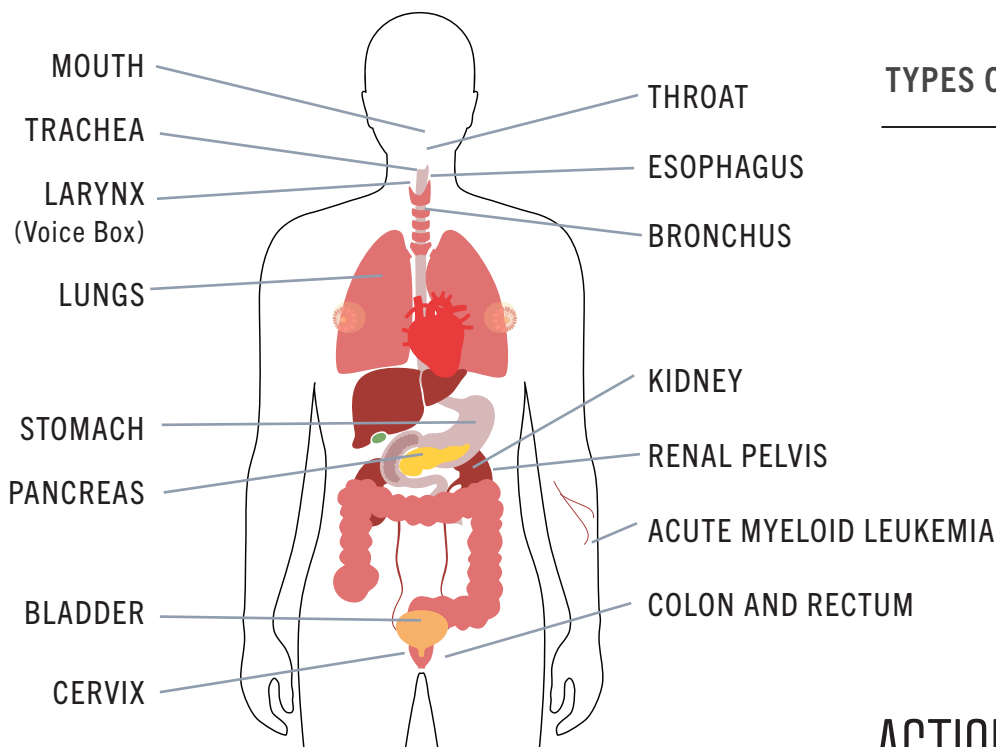
Educational Materials:
www.get3shots.org/

SMOKING

RELATED CANCERS

15

TYPES OF CANCER



SMOKING
ACTION ITEMS

Resources

Community Guide:

<https://bit.ly/2sHjdLA>

- Reducing Tobacco Use Initiation
- Increasing Tobacco Use Cessation
- Decreasing Tobacco Use Among Workers

Evidence-Based
**Strategies for
Prevention**

Cancer Needs
Assessment

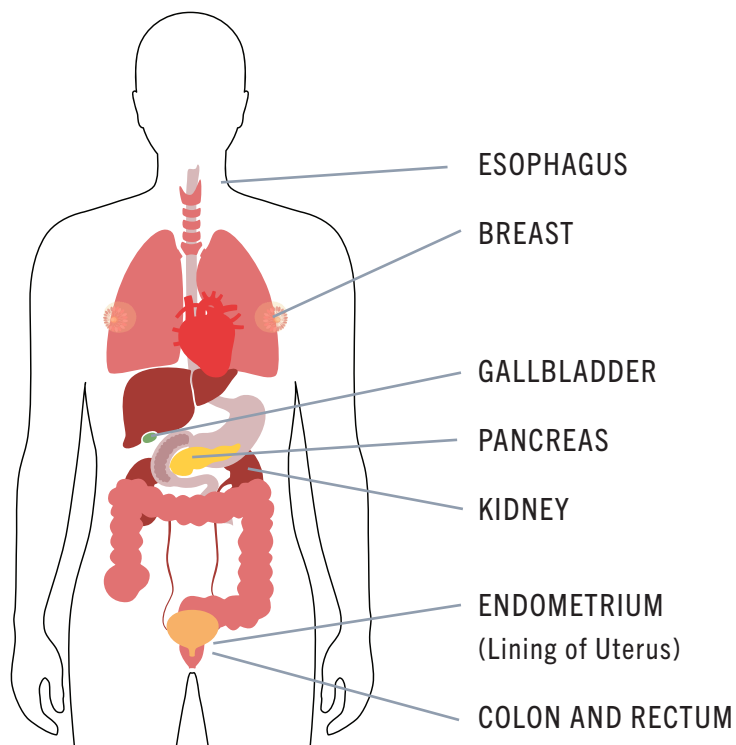
➡ **OBESITY**
RELATED CANCERS

7

➡ **TYPES OF CANCER**

OBESITY

➡ **ACTION ITEMS**



- ➔ **Interventions in Community Settings**
- ➔ **Provider-Oriented Interventions**
- ➔ **Technology-Supported Multicomponent Coaching or Counseling Interventions**

Resources

Community Guide:
<https://bit.ly/2U8eqPe>

Community-Driven Vision and Goals

→ Background

During six meetings over the course of 2019, the VICC and MVTCP Community Advisory Boards reviewed and discussed the data and community input gathered through this Community Cancer Needs Assessment. During these meetings, the boards drew on these findings and their diverse perspectives and experiences while engaging in an interactive strategic visioning and goal-setting process.

As a result, the boards produced a combined vision and goals for the next five years, which are listed in the table below. These community-driven vision and goals will guide the directions

of VICC's and MVTCP's basic, clinical, and population research as well as collaborative cancer control activities together with our partners across the catchment area.

Community-Driven
**Vision
and Goals**

Cancer Needs
Assessment

→ **Vision and Goals**

Defined by VICC and MVTCP
Community Advisory Boards



**Vision for
the Future**



Wellness, healthy living,
and longevity for all



Accessible prevention,
screening, and care



Quality, affordable, and
equitable care



Holistic treatment and
support as standard
practice



Strong public support and
diverse participation in
cancer research



All cancers prevented
or cured



**Goals for
2020-2025**

→ Empower people to engage
in cancer prevention and
early detection

→ Reduce barriers to
accessing care

→ Promote evidence-based
guidelines and policy

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

→ Raise awareness about
importance of cancer
research

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



→ State Cancer Plan Goals

Tennessee

➔ Primary Prevention

- Stabilize the incidence rate of melanoma.
- Increase the number of adolescents aged 13-17 years who are up to date with the HPV vaccine series.
- Increase the percentage of Tennesseans at a healthy BMI.
- Increase the number of homes tested annually for radon.
- Decrease the percentage of Tennesseans who currently smoke cigarettes, use electronic vapor products, or smokeless tobacco.

➔ Screening/Secondary Prevention

- Increase the percentage of at-risk adults screened for lung cancer.
- Increase the percentage of adults aged 50-75 who have fully met the USPSTF colon cancer screening recommendation.
- Increase the percentage of women aged 50-74 who have had a mammogram within the past two years.
- Increase the percentage of women aged 21-65 who have had a Pap test in the past three years.
- Increase the percentage of residents with personal and/or family history of cancer who are at high risk for inherited disease that are offered appropriate genetic counseling and/or testing for inherited cancer predisposition.

➔ Treatment/Tertiary Prevention and Quality of Life

- Increase adherence to evidence-based standards of care for treatment.
- Increase the number of health care professionals trained in effective palliative care techniques.
- Increase the five-year relative cancer survival rate.
- Improve the medical, psychosocial, and educational outcomes and needs of childhood cancer patients in Tennessee.



→ State Cancer Plan Goals

Kentucky

➔ Primary Prevention

- Reduce the incidence and mortality rates of tobacco-related cancers in all populations.
- Reduce the incidence of cancers related to nutrition, physical activity, and obesity.
- Reduce the incidence and mortality rates of cancers related to environmental carcinogens, with a focus on radon.
- Reduce incidence of HPV-related cancers by increasing initiation and completion of the human papillomavirus (HPV) vaccine series.

➔ Screening/Secondary Prevention

- Reduce the proportion of late-stage diagnosis and mortality from breast cancer through screening and early detection.
- Reduce the incidence and mortality rates of cervical cancer through prevention and early detection.
- Reduce the incidence and mortality rates of colon cancer through prevention and early detection.
- Increase the percentage of eligible residents who are offered appropriate genetic counseling and/or testing for inherited cancer predisposition.

➔ Treatment/Tertiary Prevention and Quality of Life

- Promote access to and appropriate utilization of quality cancer diagnostic and treatment services for all Kentuckians.
- Promote overall health of Kentucky cancer survivors from diagnosis onward, to increase quality of life.



→ State Cancer Plan Goals

Alabama

➤ Primary Prevention

- Reduce cancer risk by maintaining a healthy weight, eating a healthy diet, and being physically active.
- Increase vaccination rate for vaccines shown to reduce the risk of cancer.
- Reduce the incidence and mortality related to lung cancer.
- Reduce the risk of skin cancer by decreasing exposure to ultraviolet light.

➤ Screening/Secondary Prevention

- Reduce incidence of late stage breast cancer and breast cancer mortality.
- Reduce incidence of late stage cervical cancer and cervical cancer mortality.
- Reduce incidence of late stage colon and rectal cancer and colon and rectal cancer mortality.
- Reduce prostate cancer mortality in Alabamians.

➤ Treatment/Tertiary Prevention and Quality of Life

- Increase participation of Alabamians in cancer clinical trials.
- Improve quality of life for cancer survivors and their families.

→ Research Team Members

Vanderbilt-Ingram Cancer Center (VICC):

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Tennessee State University:

Oscar Miller, PhD

Nora Cox, MPH

Calvin Harris

Meharry Medical College:

Maureen Sanderson, PhD

Mary Kay Fadden, MPH

→ Community Advisory Boards

We would like to thank the members of the VICC and the Meharry Medical College-Vanderbilt-Ingram Cancer Center-Tennessee State University Cancer Partnership Community Advisory Boards for collaborating on the development of the needs assessment and report.

➤ MVTCP Community Advisory Board Members

➔ Board Members

Organization/Role

Bishop Calvin Barlow, Jr.	Second Missionary Baptist Church
Ira Baxter	Prostate Cancer Coalition of Tennessee/Survivor
Thoris Campbell	Metro Public Health Department of Nashville
Doris McLay	Sisters Network Nashville/Survivor
Carol Minor	American Cancer Society
Joan Clayton-Davis	Community Member
Sheila Dorse	Community Member/Survivor *Co-Chair
Paula Hill	Community Member/Survivor
Corrence Farley	Community Member
Deirdre Johns	Community Member
Georgianne Hooker	Community Member
Billie Leslie	Community Member
Ila McDermott	Community Member/Survivor *Co-Chair
Audrey Oden	Community Member
Reggie Patterson	Community Member/Survivor
Wytness Patterson	Community Member/Survivor
Sharon Peters	Community Member/Survivor
Valerie Scott	Community Member
Cheryl Seay	Community Member

➤ **VICC Community Advisory Board Members**

➔ **Board Members**

Samuel Adunyah, PhD
 Angie Allen BSMT (ASCP), MEd
 Monique Anthony, MPH
 Mary Barron, RN
 Carolyn Bern, MPA
 Ann Bishop, RN, MSN, CMHP, FACHE
 David Bolt
 Dawn Eaton
 Mary Finch, MBA
 Carol Garrett
 Kiki Hall
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 Leslie Humphreys, MPA
 Bill Jolley, MPA
 Rebecca Jolley, MBA
 Vivian Lasley-Bibbs, MPH
 Carolyn Lawhorn, RN
 Pastor Rep. Harold M. Love, Jr.
 Gina Myracle
 Sandy Obodzinski, MLAS
 Emily Ogden, JD
 Terri Sabella, RN, JD, CPHQ
 Harriet Schifitan, MSW, MAJCS
 Margaret Whalen, PhD

Organization/Role

Meharry Medical College
 Tennessee Department of Health
 Tennessee Department of Health
 Kentucky Primary Care Association
 Alabama Department of Public Health
 Baptist Memorial Health Care Corporation
 Kentucky Primary Care Association
 Susan G. Komen Foundation
 Alabama Primary Health Care Association
 Alabama Department of Public Health
 Common Table Health Alliance
 Cancer Support Community East Tennessee
 Cumberland Pediatric Foundation
 American Cancer Society, Inc
 Tennessee Department of Health
 Tennessee Hospital Association
 Rural Health Association of Tennessee
 Kentucky Department for Public Health
 Retired Parish Nurse/Community Advocate
 Lee Chapel A.M.E. Church
 Kirkland Cancer Center
 Gilda's Club Middle Tennessee
 American Cancer Society Cancer Action Network, Inc
 Tennessee Primary Care Association
 Gilda's Club Middle Tennessee
 Tennessee State University

→ Partners

We would like to thank all of the community members who participated in the focus groups and the following organizations that provided existing data and/or collaborated on the collection of data for the focus groups, key informant interviews, and telehealth interest surveys:

AARP	Memphis Breast Cancer Consortium
African American Cultural Alliance	Methodist Le Bonheur Healthcare
Alabama Comprehensive Cancer Control Coalition	Montgomery County Health Council
Alabama Department of Public Health	Moore County Public Library
American Cancer Society, Inc.	Nashville Health Disparities Coalition
Baptist Memorial Health Care Corporation	New Life Thru Christ Ministries
Better Options Tennessee	Priest Lake Community Baptist Church
Butler County Health Department	Putnam County Family YMCA
Chattanooga-Hamilton County Health Department	Remote Area Medical Clinic in Putnam County
Common Table Health Alliance	Remote Area Medical Clinic in Rhea County
CSB Consulting & Support Services	Second Missionary Baptist Church
Dover Family Pharmacy	Sister's Network
El Jefe 96.7FM	Tennessee Cancer Coalition- Southeast Region
Florence Lauderdale Public Library	Stewart County Health Council
Free Medical Clinic	Stewart County Visitor Center
Hamilton County YMCA	Tennessee Academy of Family Physicians
Hancock County Health Department	Tennessee Charitable Care Network
Highland Ridge Assisted Living	Tennessee Colleges of Applied Technology Crossville
Houston County Health Council	Tennessee Department of Health
Humphreys County Health Council	Tennessee Men's Health Network
Kentucky Cancer Consortium	Alabama Breast and Cervical Cancer Early Detection Program
Kentucky Department of Health	Upper Cumberland Tennessee Cancer Coalition
Kirkland Cancer Center	UT Family and Consumer Sciences, Van Buren County
Mary Walker Towers Chattanooga	White Station Public Library

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To view data tables, please refer to the appendix:

→ <https://www.vicc.org/community/research>



For more information visit www.mvtcp.org and www.vicc.org

