



THE STATE OF CANCER IN FLORIDA



**Florida Cancer Control
& Research Advisory Council**



INTRODUCTION

The Florida Cancer Control and Research Advisory Council (also called CCRAB) was legislatively chartered 41 years ago to advise the Florida Legislature, Florida Board of Governors, and the Florida Surgeon General on ways to reduce the burden of cancer in the state (Florida Statute 1004.435). CCRAB serves as a steering body for statewide cancer prevention and control. CCRAB closely studies and monitors Florida's cancer burden and recommends changes in policies, systems, and environments that lead to improved cancer prevention, early detection, highest quality treatment, and survivorship from cancer.

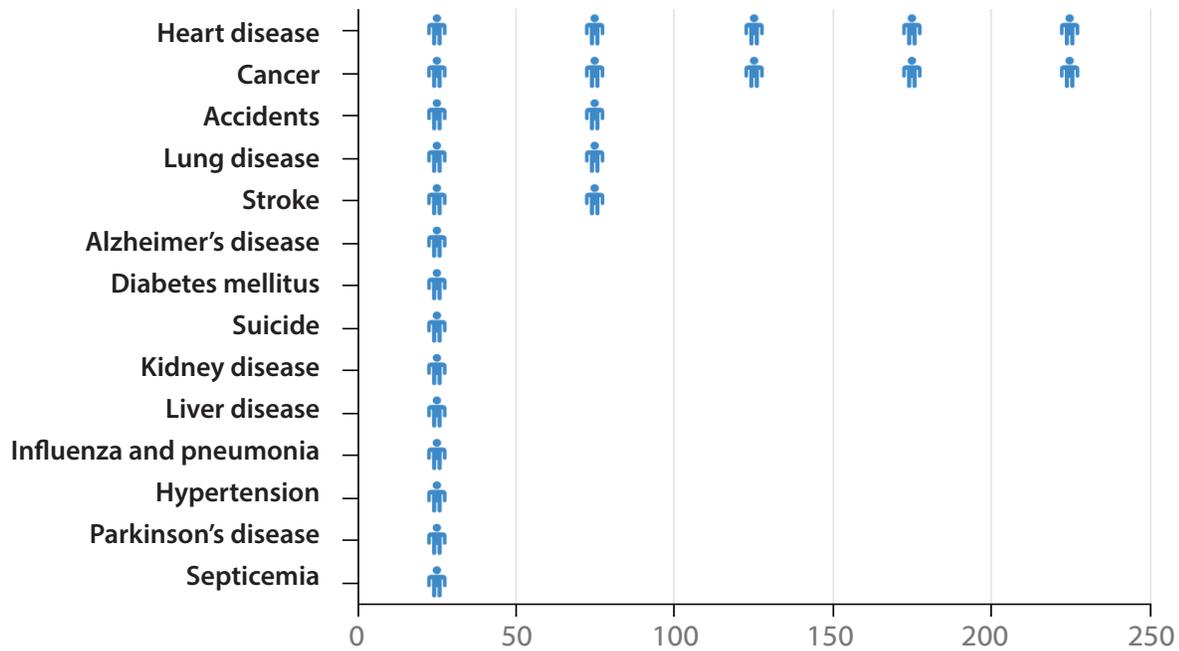
Every five years, CCRAB leads the consensus process for producing a Florida Cancer Plan. The Plan contains goals, objectives, and strategies for all cancer control stakeholders to reduce Florida's cancer burden. The 2020-2025 Florida Cancer Plan can be accessed at <http://ccrab.org/cancer-plan>.

Every year, CCRAB also publishes an Annual Report on Cancer in Florida that includes latest data and trends worth noting for data-driven policy decisions. This report describes Florida's cancer burden with special attention to priority areas of cancer prevention, control, and research. CCRAB is a resource for cancer information in the State of Florida and can be reached at <http://www.ccrab.org>.

Leading Causes of Death in Florida

Cancer and heart disease are the two leading causes of death in Florida, far higher than all other causes of death including accidents, chronic lung diseases like emphysema, stroke, Alzheimer’s disease, influenza virus, and diabetes mellitus. High quality data, such as these Leading Causes of Death data, are a priority need for health policy (Goal 2, 2020-2025 Florida Cancer Plan).

Florida Age-Adjusted Death Rate per 100,000 in 2017

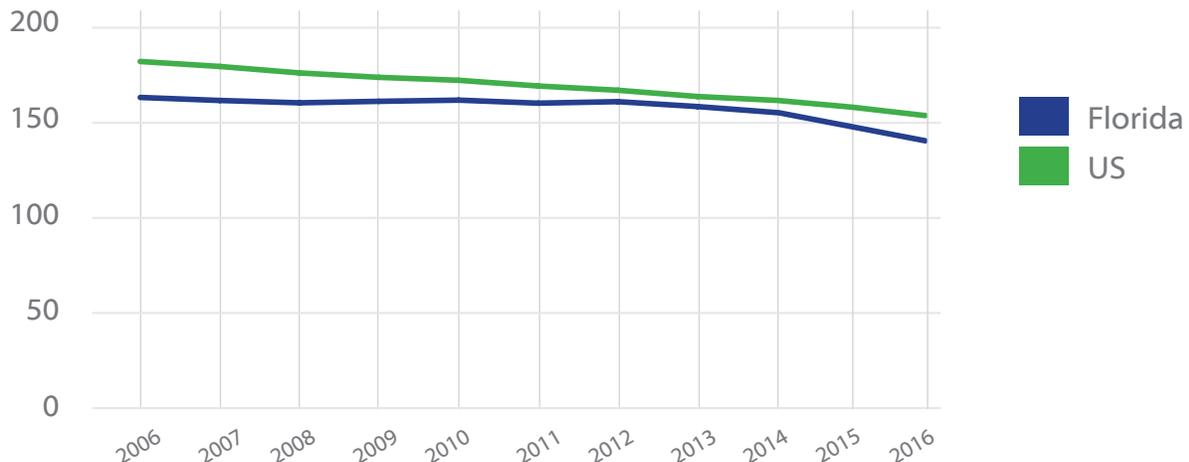


Source: CDC National Vital Statistics System, LCWK5 2017 data. Based on the International Classification of Diseases, Tenth Revision.

Cancer Death Rates in Florida versus the United States

The rate of death from cancer in Florida has steadily decreased over the last 10 years. This decline is also seen nationally. The reduction in Florida’s cancer death rate is chiefly due to strong efforts in tobacco prevention and cessation. As written in the Florida Cancer Plan, there are many more opportunities to further prevent and cease tobacco use and secondhand smoke exposure (Goal 3, 2020-2025 Florida Cancer Plan), such as prohibiting tobacco smoking on Florida’s public beaches and parks. Improved access to cancer screening has also contributed to Florida’s reduction in cancer-related deaths through the earlier detection of cancer when curative intervention is possible (Goals 10-13, 2020-2025 Florida Cancer Plan). With advent of immunology agents, we expect to see further reductions in two of Florida’s most lethal cancers: lung cancer and melanoma. These new therapeutics are being developed in Florida with support from Florida’s Bankhead-Coley and James & Esther King Biomedical Research Programs (Goal 21, 2020-2025 Florida Cancer Plan).

Age-adjusted cancer death rates per 100,000

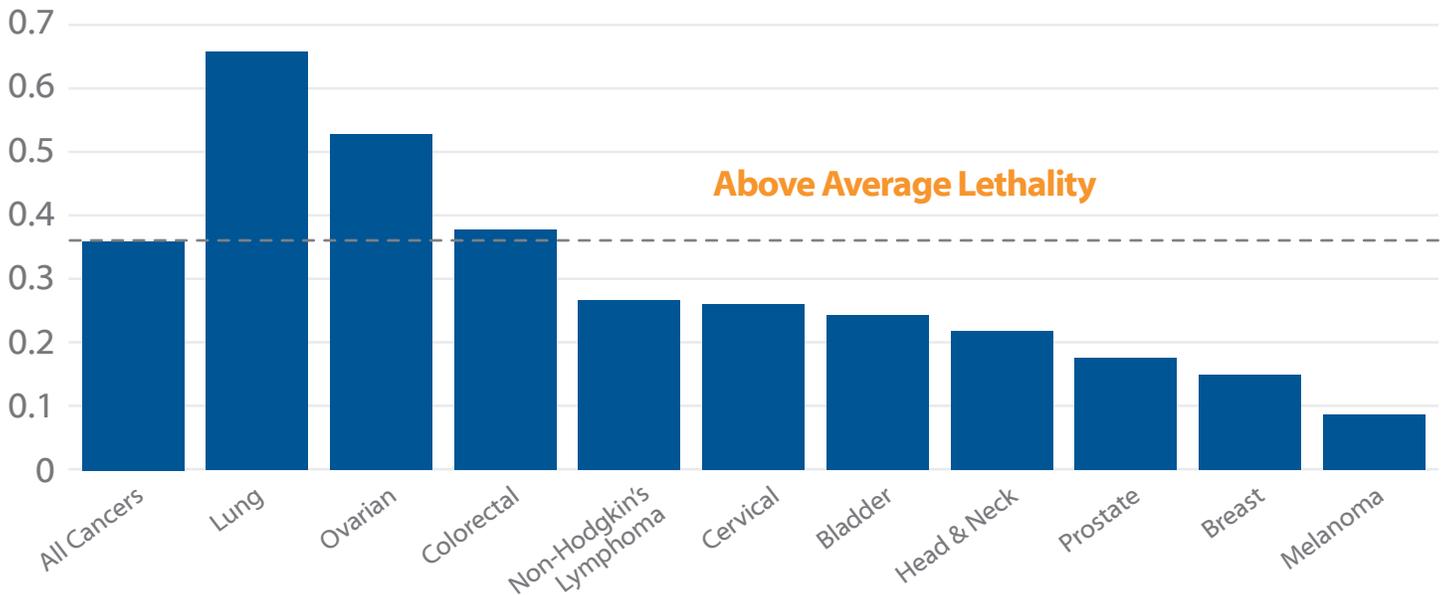


Source: FCDS and SEER

Cancer Lethality in Florida by Cancer Type

Lung cancer, ovarian cancer, and colorectal cancers are three of the more lethal cancers in Florida. These cancers often present in late-stage when they have already spread to other sites of the body – also called metastatic disease. Treating metastatic cancer is one of the greatest challenges in oncology. Increased support for Florida’s Bankhead-Coley and James & Esther King Biomedical Research Programs are needed to move new treatments from Florida laboratories to Florida cancer clinics (Goal 21, 2020-2025 Florida Cancer Plan).

Proportion of patients dying of each cancer

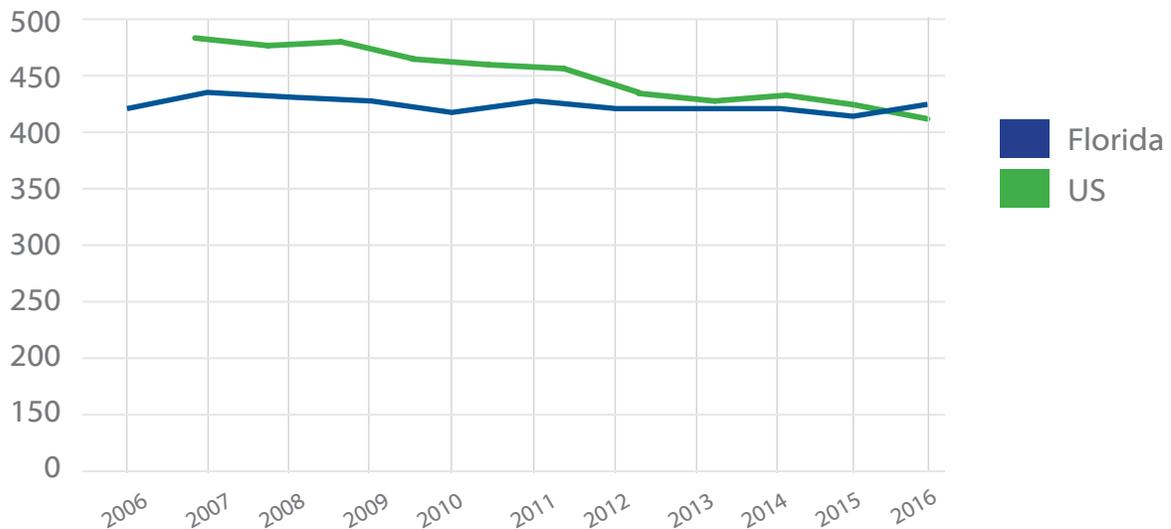


Source: FCDS 2016

Cancer Incidence in Florida vs. the United States

The incidence of cancer in Florida has steadily decreased in the last 10 years, and artifactually shows an increase in 2016. This seemingly higher rate in 2016 is because of improved cancer case capture by Florida’s statewide cancer data and surveillance program, which developed new methods of capturing cancer cases in Florida’s outpatient clinics and Veterans Affairs Medical Centers. As more cancer diagnostic tests and biopsies are being conducted outside of hospital settings where tumor registrars are primarily based, it is important to record cancer cases presenting in outpatient clinics. These new data better reflect Florida’s cancer burden and are supported by Goal 2 in the 2020-2025 Florida Cancer Plan.

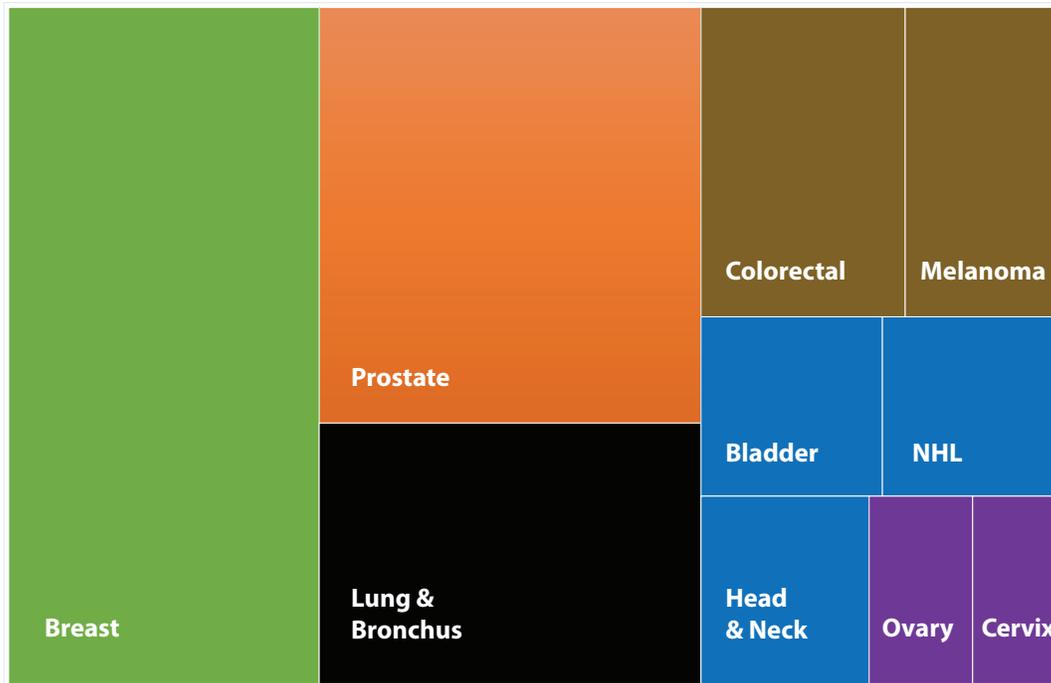
Age-adjusted cancer incidence rates per 100,000



Source: FCDS for Florida data, SEER for US data

Cancer Incidence by Type in Florida

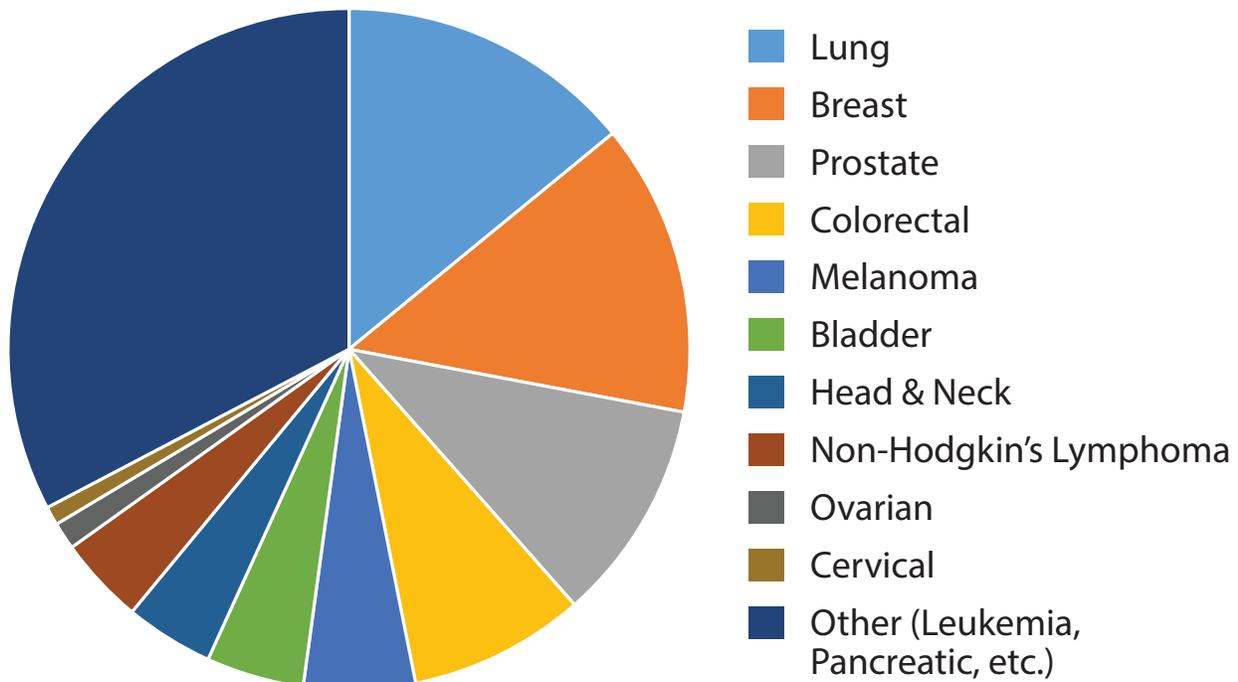
Breast cancer is the most highly incident cancer in Florida based on age-adjusted incidence, followed by prostate cancer, lung and bronchus cancer, colorectal cancer, and melanoma. In the 2020-2025 Florida Cancer Plan, we aim to eliminate cervical cancer in the state through vaccination against human papillomavirus (HPV) and early detection of pre-cancerous tissue (Goal 4). We also aim to eliminate cancer-causing hepatitis C virus (HCV) from our state through increased HCV screening and linkage to anti-viral treatment (Goal 14).



Source: <https://fcds.med.miami.edu/inc/publications.shtml>

Cancer Types by Crude Number of Diagnoses

Every year, over 120,000 Floridians are diagnosed with cancer. In terms of crude number of cases, lung cancer and breast cancer are the two most frequently diagnosed cancers in Florida, followed by prostate cancer, colorectal cancer, melanoma, and bladder cancer.

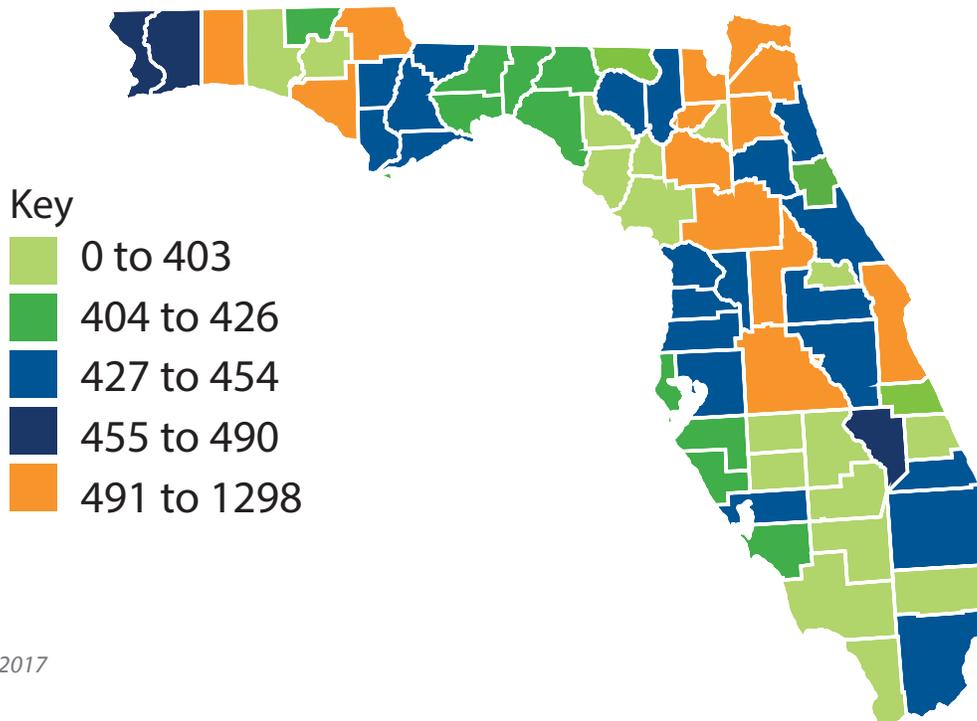


Source: FCDS 2016

Cancer Incidence by Florida County

Age-adjusted cancer incidence is lower in metropolitan areas, such as South Florida. In contrast, age-adjusted cancer incidence rates are higher in less populated Northern counties along the Interstate 75 corridor, in the Northeast corner of the state, and in the Northwest Panhandle area.

Age-adjusted cancer incidence rates per 100,000 Floridians

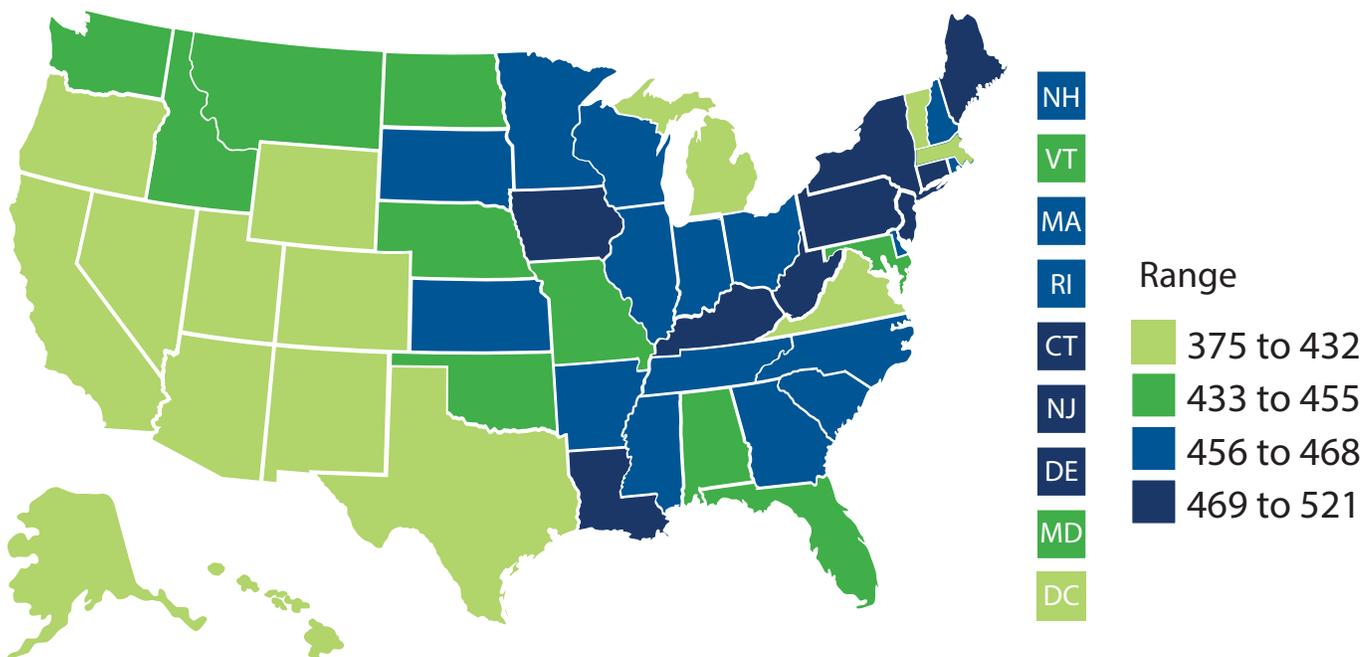


Source: FCDS, 2007-2017

Rate of New Cancers in the United States

Within the US, Florida is in a group of states with lower cancer incidence, thanks to tobacco prevention and control by Tobacco Free Florida and partners. Additional strategies to prevent cancer in Florida are listed in Goals 3-9 of the 2020-2025 Florida Cancer Plan.

Age-adjusted cancer incidence rates per 100,000

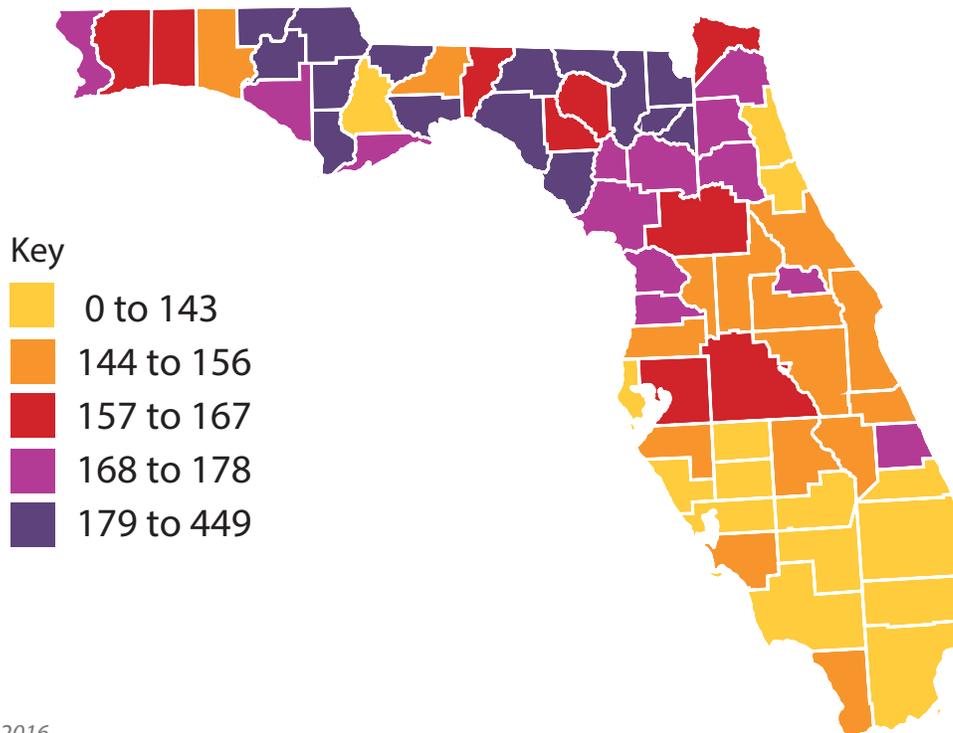


Source: CDC, www.cdc.gov/cancer/dataviz

Florida Map of Cancer Mortality by County

Deaths from cancer are lower in more populated counties such as South Florida, but higher in less populated counties in the Florida Panhandle. Access to high quality cancer diagnostic tests and effective cancer treatments for all Floridians is Goal 15 in the 2020-2025 Florida Cancer Plan.

Age-adjusted cancer mortality rates per 100,000

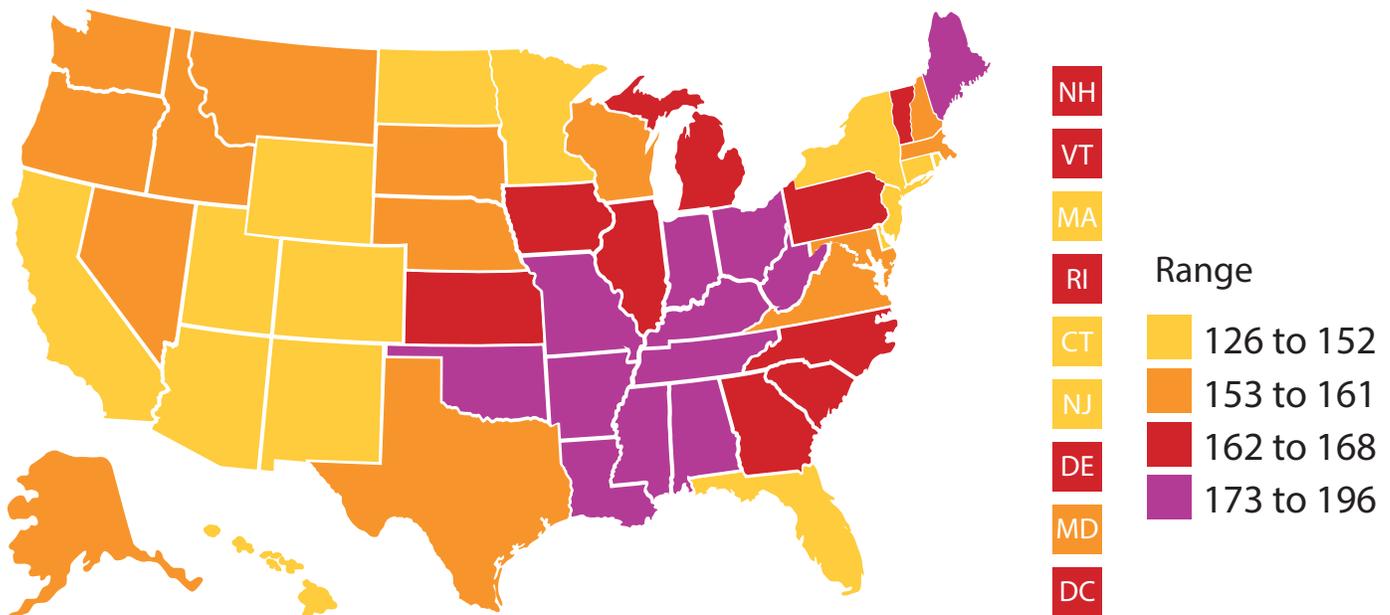


Source: FCDS, 2006-2016

US Map Cancer Mortality

Within the US, Florida is in a group of states with lower cancer mortality. Diagnosing cancer in its earliest stages, before it's had time to spread, increases the chances of curative intervention. Strategies to improve early cancer detection in Florida are provided in Goals 10-14 of the 2020-2025 Florida Cancer Plan.

Age-adjusted cancer mortality rates per 100,000

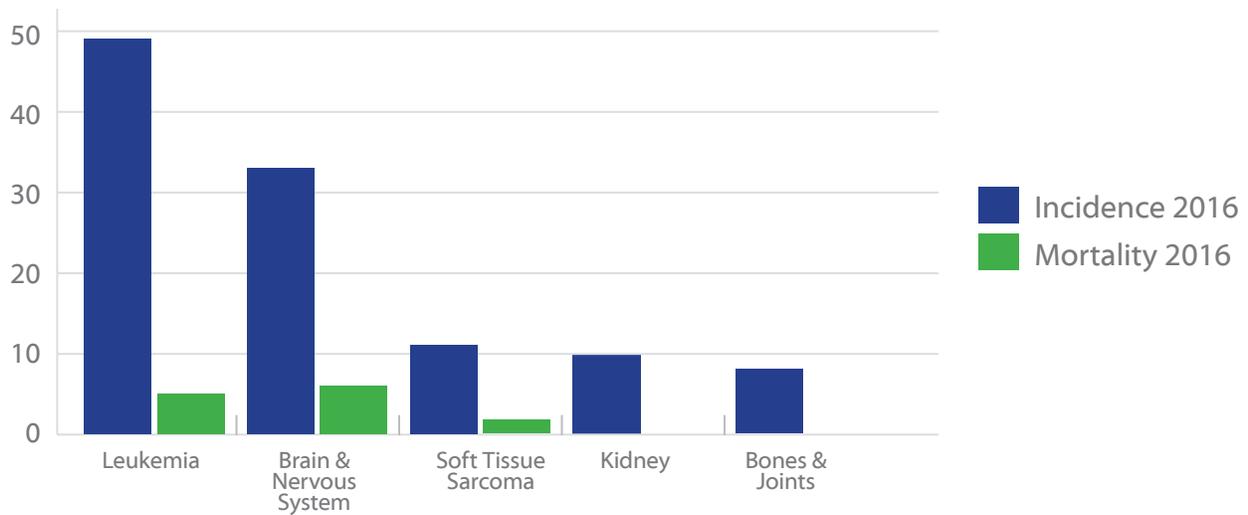


Source: CDC, <https://gis.cdc.gov/Cancer/USCS/DataViz.html>

Pediatric Cancer Incidence and Mortality in Florida, Female, 2012-2016

Cancers in Florida children were comparable with rates from previous years. Although the majority of Florida children achieved a good response to treatment for their cancers, relapsing and refractory cancer is still a problem. Furthermore, side effects from the toxicities of treatment are common. Safer and more effective treatments for pediatric cancers are urgently needed. For the first time in the state's history, the Florida Cancer Plan has a Childhood Cancers priority area with goals for high quality health care, survivorship, and research (Goals 18-20, 2020-2025 Florida Cancer Plan).

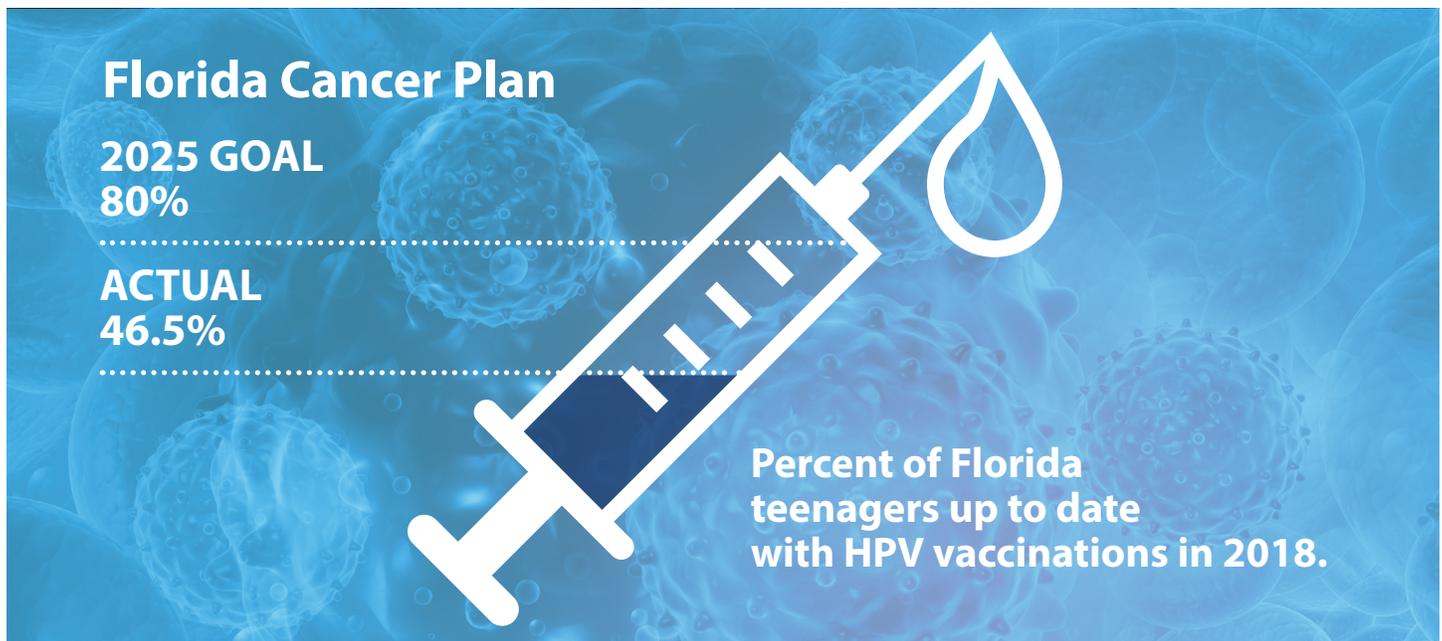
Per 100,000 Floridians aged 0-14 years



Source: FCDS, 2012-2016

HPV Vaccinations

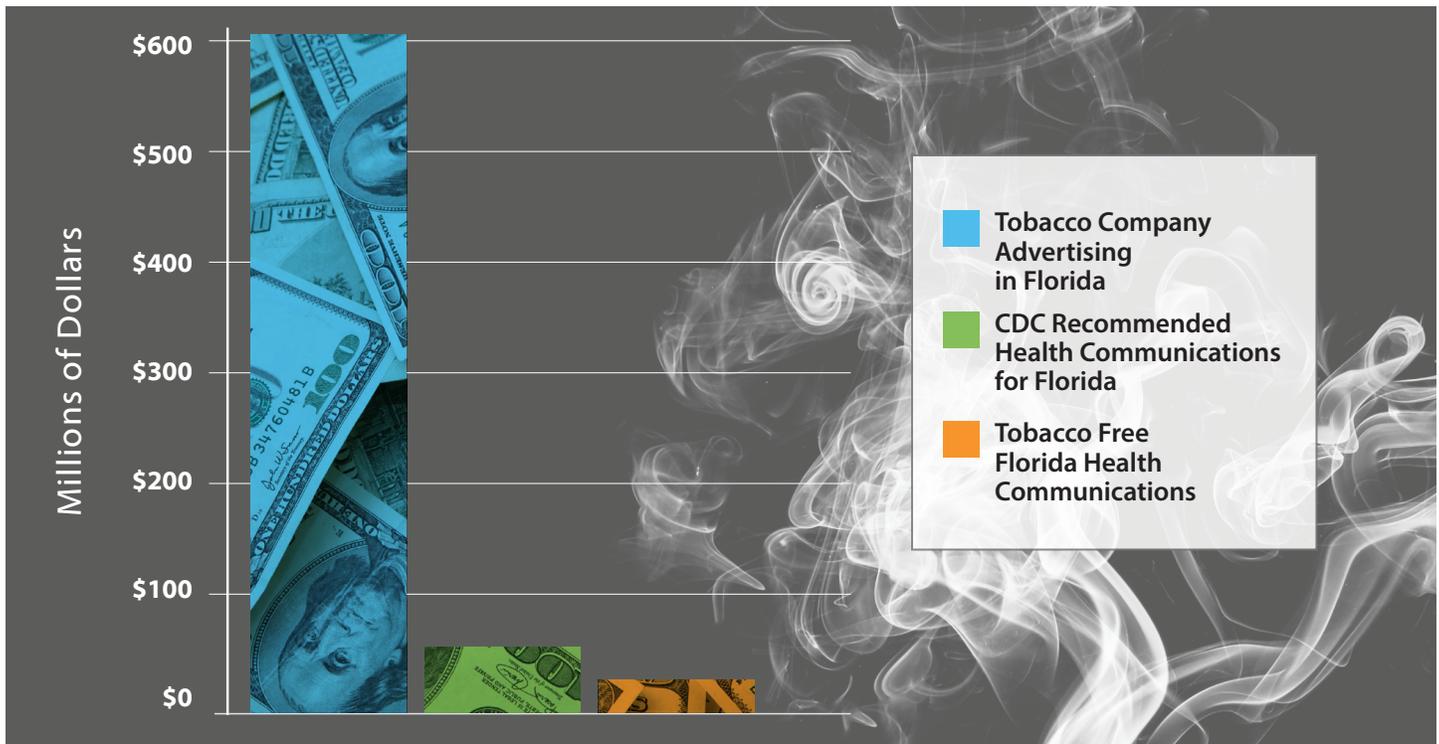
Several HPV strains cause cancer of the cervix and throat in women and men. We aim to eliminate cervical cancer from Florida through vaccinations against HPV and earlier detection of pre-cancerous lesions of the cervix (Goal 4, 2020-2025 Florida Cancer Plan). HPV is also causing an epidemic of throat cancers in both men and women. Vaccinating against HPV will help prevent throat cancer in future generations of Floridians.



Source: CDC TeenVaxView

Annual Spending for Tobacco-Related Communications in Florida

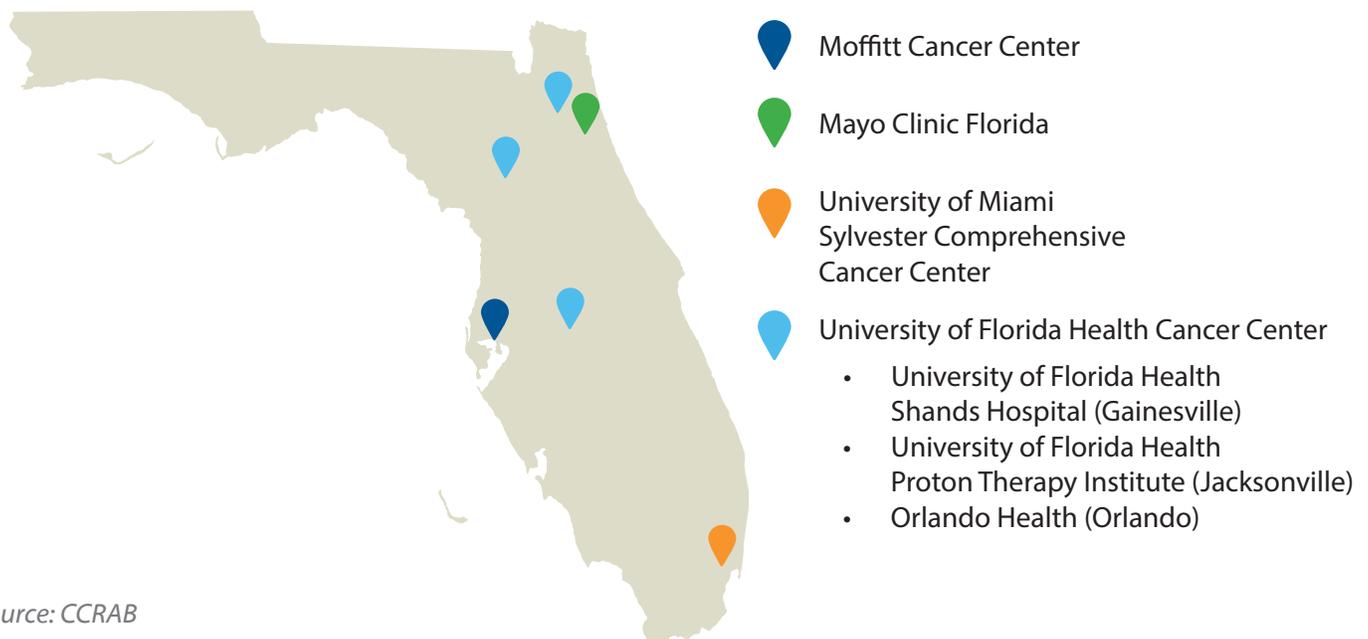
Reducing tobacco exposure (first-hand and second-hand) in Florida has been one of the most effective means in reducing our state's cancer burden by preventing lethal cancers. However, tobacco companies continue to spend hundreds of millions of dollars in promoting tobacco use to Floridians. Increasing health communications from Tobacco Free Florida is a high priority objective in the 2020-2025 Florida Cancer Plan because of the gains made in preventing lethal cancers (Goal 3, Objective 3.9).



Source: Tobacco Free Florida

Florida Cancer Centers of Excellence

In 2019, four Florida Cancer Centers of Excellence for oncology care, research and education were designated by a joint committee made up members from the Florida Department of Health, CCRAB, and the Florida Biomedical Research Advisory Council. Two of these academic centers headquartered in Florida have earned the designation of a National Cancer Institute (NCI) cancer center. Continued support is needed for the Florida Academic Cancer Center Alliance (FACCA) to achieve the Florida Cancer Plan Objective 21.3 of increasing the number of NCI designated cancer centers headquartered in Florida from 2 to 3 or higher.



Source: CCRAB

Florida Cancer Control & Research Advisory Council Membership

(February 2020)



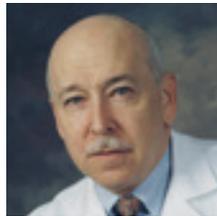
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Florida Osteopathic
Medical Association



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Governor's Appointee



Megan Wessel, MPH
American Cancer Society

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FOR MORE INFORMATION CONTACT:

CCRAB Website

<http://www.ccrab.org>

Florida Cancer Plan 2020-2025

www.ccrab.org/cancer-plan

Florida Cancer Data Systems (FCDS)

<https://fcds.med.miami.edu/inc/statistics.shtml>

Florida Regional Community Cancer Collaboratives:

Northwest Region – www.nwfccc.org

North Central Region – www.ncfcancercontrol.org

Northeast Region – www.hpcnef.org/programs/northeast-florida-cancer-control-collaborative/

East Central Region – www.ecfccc.com

Southwest Region – www.swflccc.weebly.com/about.html

Southeast Region – www.healthcouncil.org/sfccc

Florida Comprehensive Cancer Control Programs

<http://www.floridahealth.gov/diseases-and-conditions/cancer/cancer-control-florida.html>

Florida Breast and Cervical Cancer Early Detection Program (BCCEDP)

<http://www.floridahealth.gov/diseases-and-conditions/cancer/breast-cancer/index.html>

<http://www.floridahealth.gov/diseases-and-conditions/cancer/cervical-cancer/index.html>

Florida Colorectal Cancer Control Program (CRCCP)

<http://www.floridahealth.gov/diseases-and-conditions/cancer/colon-cancer/index.html>

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TO OUR PARTNERS

