



Florida Cancer Screening System Pilot Project Breast and Cervical Cancer

FCDS VIRTUAL ANNUAL MEETING

AUGUST 18, 2020

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What is the Florida Cancer Screening System Pilot Project?

A CDC/NPCR-based project to pilot the development of a population-based screening registry surveillance system for collection of screening information on breast and cervical cancers



Goals and Benefits



Improve health outcomes, access, and quality of life



Inform research, intervention, & screening programs



Improve state-specific policies and strategies



Better care to patients



Educational opportunities

Background



Together, breast and cervical cancer constitute a leading cause of morbidity and death among women in the United States.



Increasing trends in FL Breast Cancer Incidence



Florida's cervical cancer and mortality rates are among the highest in the U.S.



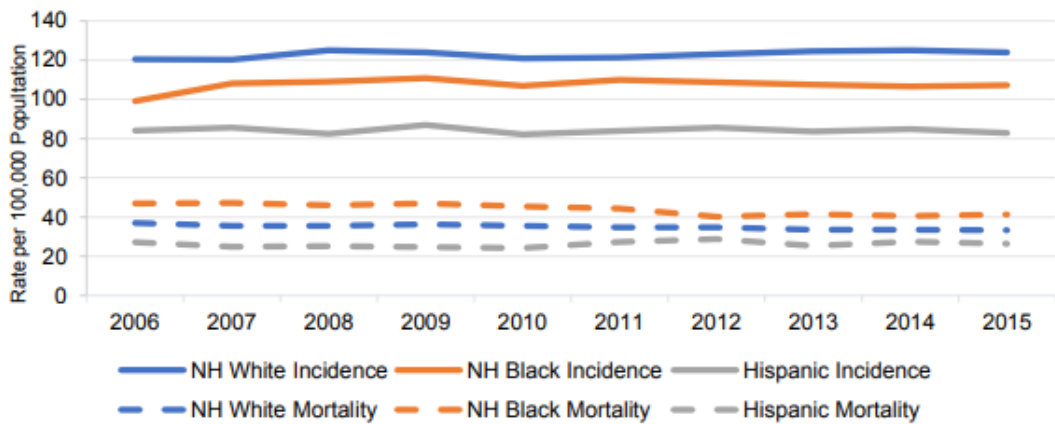
The Florida Breast Cancer Early Detection and Treatment Referral Program Report
(Florida Breast and Cervical Cancer Early Detection Program)

2018

Rick Scott
 Governor

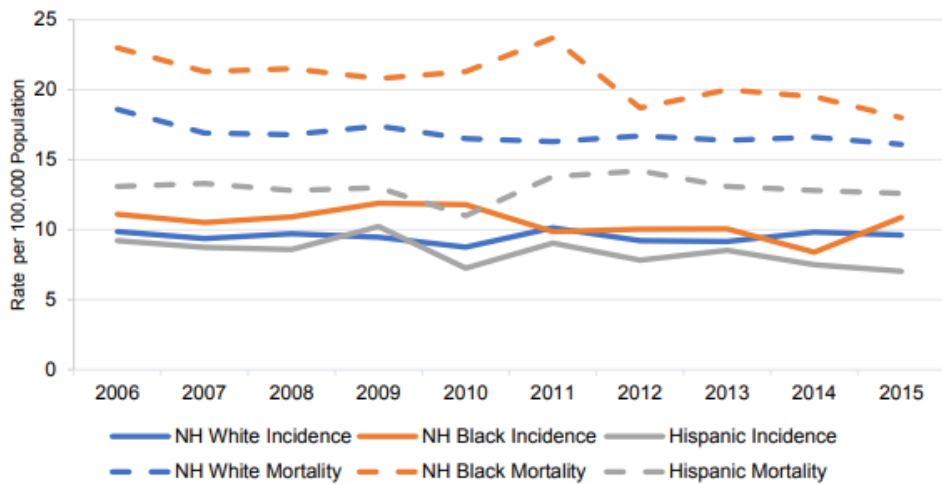
Celeste Phillip, MD, MPH
 Surgeon General and Secretary

Figure 7. Age-Adjusted Breast Cancer Rate among Women, Florida, 2006-2015



Source: Florida Department of Health, Bureau of Vital Statistics and Florida Cancer Data System

Figure 10. Age-Adjusted Cervical Cancer Rates, Florida, 2006-2015



Source: Florida Department of Health, Bureau of Vital Statistics and Florida Cancer Data System

Screening Recommendations (USPSTF)

Mammography screening for women age 50 to 74 years every 2 yrs.

Pap Test in women age 21 to 65 years every 3 yrs. or,

Pap and high-risk human papillomavirus (hr-HPV) test, or hr-HPV alone, every five years for women age 30 to 65

Table 1. Percent of Women Receiving Breast Cancer Screenings, Florida, 2016

	Breast Cancer Screening (%)
	Mammogram*
Overall	60.8
Race/Ethnicity	
NH White	60.9
NH Black	61.7
Hispanic	60.7

Source: Florida Behavioral Risk Factor Surveillance System

* Denotes 2016 Data

Breast Cancer Screening

- Mammogram - Percent of women 40 years of age and older who received a mammogram in the past year.⁵

<http://www.floridahealth.gov/diseases-and-conditions/cancer/documents/brst-cerv-cancer-legreport-2018->

Table 2. Current Cervical Cancer Screening Practices among Women, Florida, 2016

	Cervical Cancer Screening
	PAP
Overall	50.3%
Race/Ethnicity	
NH White	47.4%
NH Black	58.0%
Hispanic	54.4%

Source: Florida Behavioral Risk Factor Surveillance System

Cervical Cancer Screening

- Pap Smear (PAP) - Percent of women 21 years of age and older who received a Pap in the past year.⁸



Early diagnosis of breast and cervical cancer through mammography and Pap/HPV testing, respectively, can prevent disease progression to advanced or invasive stage and is associated with improved treatment outcomes, higher survival rates, and reduced mortality

CCRs and Screening Data

Linkage of screening data with the central cancer registry can allow for timely collection of additional information including

- who is getting screened
- age at screening
- number of screenings
- screening results
- diagnostic follow-up.

A more comprehensive registry data can be used to inform cancer prevention and control activities.

Objectives



Year 1-2: Partner and collect screening information from screening facilities in Hillsborough County. Partner with FBCCEDP for collection of statewide data

- Identify data elements
- Develop a data dictionary
- Create process for linkage, storage, and integration into FCDS database



Year 3-5 : Expand collection to Miami-Dade, Broward, and Palm Beach Counties.

Florida Breast and Cervical Cancer Early Detection Program (FBCCEDP)

CDC/NBCCEDP

Breast and cervical cancer screening exams (clinical breast exams, mammograms, and Pap tests) to approximately 5 percent of the at need population

Care coordination to all clients with abnormal exams

Paid breast and cervical cancer treatment through Medicaid for eligible women screened through the program

Data Submission – All procedures between 2009-2015; 2016 to current

Screening Data Items Example

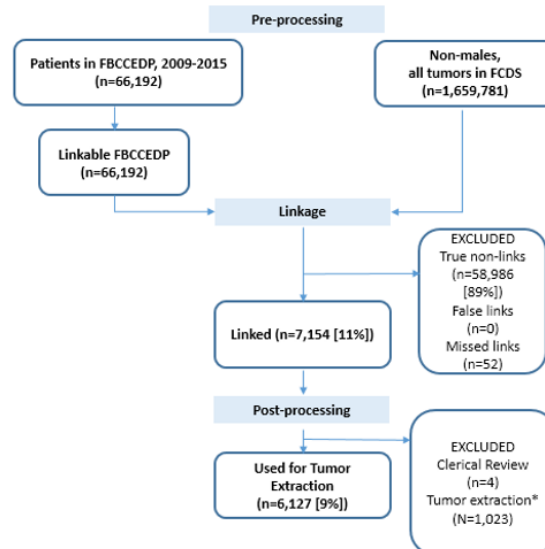
Suncoast

Date of last Clinical Breast Exam
 Type of HPV test
 HPV results
 Date of last mammogram
 Mammogram results
 Pap test descriptive results
 Pap test results
 Pap test information
 Date of last Pap test
History of hysterectomy performed

FBCCEDP

Type of Procedure
 Date procedure performed
 Routine, referral, abnormal
 Final diagnosis if malignancy

Figure 1: FBCCEDP-FCDS Linkage



*Due to restricting diagnosis years to 1981-2015, out of state records, and VA singleton records

Table 1. Demographic Characteristics of Women Provided Breast and Cervical Cancer Screening and Diagnostic Services, Florida BCCEDP, 2009-2015

	Total Patients, % (n)	Initial Mammogram, % (n)	Pap Test Total, % (n)	Pap Test with HPV Test
	n=65,947	n=54,864	n=37,176	N=4,959
Age at screening, years				
<50	3.1 (2,062)	3.3 (1,797)	1.0 (382)	1.1 (53)
50-64	94.36 (62,226)	94.0 (51,883)	96.8 (35,967)	96.9 (4,808)
>=65	2.5 (1,659)	2.2 (1,184)	2.2 (827)	1.9 (98)
Race/Ethnicity				
Non-Hispanic White	41.46 (27,341)	42.0 (23,456)	38.14 (14,179)	42.2 (2,094)
Non-Hispanic Black	22.49 (14,832)	22.0 (11,962)	23.5 (8,741)	25.1 (1,245)
Hispanic/Latino	31.89 (21,032)	31.4 (17,219)	34.0 (12,634)	29.1 (1,442)
Other	2.69 (1,777)	2.7 (1,461)	3.0 (1,108)	2.5 (125)
Unknown	1.46 (965)	1.4 (766)	1.4 (514)	1.1 (53)

*Data reflect most current data submission 4/24/2020

Suncoast Community Health Centers

Federally qualified community health center in Hillsborough and Polk Counties

Services poor, uninsured, rural, and seasonal agricultural workers

10 practices, 3 mobile units, and 44 medical providers

Data: All procedures between Jan 1st, 2019- February 29, 2020

> 15,000 patients

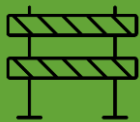
> 27,000 procedures

Table 4. Procedures for Service Between Jan. 1 2019-Feb., 29, 2020 (N=27,422), Suncoast

Procedures	Count	Percent
Mammography	4,491	16
Pap Test	11,199	41
Clinical Breast Exam	3,402	12
HPV Test	8,330	30

Table 5. Demographic Characteristics for Service Between Jan. 1 - Feb 29, 2020 (N=15,593), Suncoast

Race/Ethnicity	Count	Percent
Hispanic	9,554	61
Non-Hispanic Black	1,322	8
Non-Hispanic White	4,400	28
Not Reported	13	1



Barriers

- Lack of data standards
- Different systems/software
- EHR System upgrades/changes
- Concerns over PHI
- COVID-19

Next Steps



Sustain current reporting



Expand to Miami-Dade and Broward Counties, and beyond



Identify reporter willing to report claims



Develop automated methodology for multi-source integration

Acknowledgements



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