



**FLORIDA
DEPARTMENT
OF HEALTH
PALM BEACH COUNTY**

**ANNUAL
HEALTH
PROFILE
2016**



Mission:

To protect, promote & improve the health of all people in Florida through integrated state, county, & community efforts.

Vision:

To be the Healthiest State in the Nation

Core Values: (I CARE)

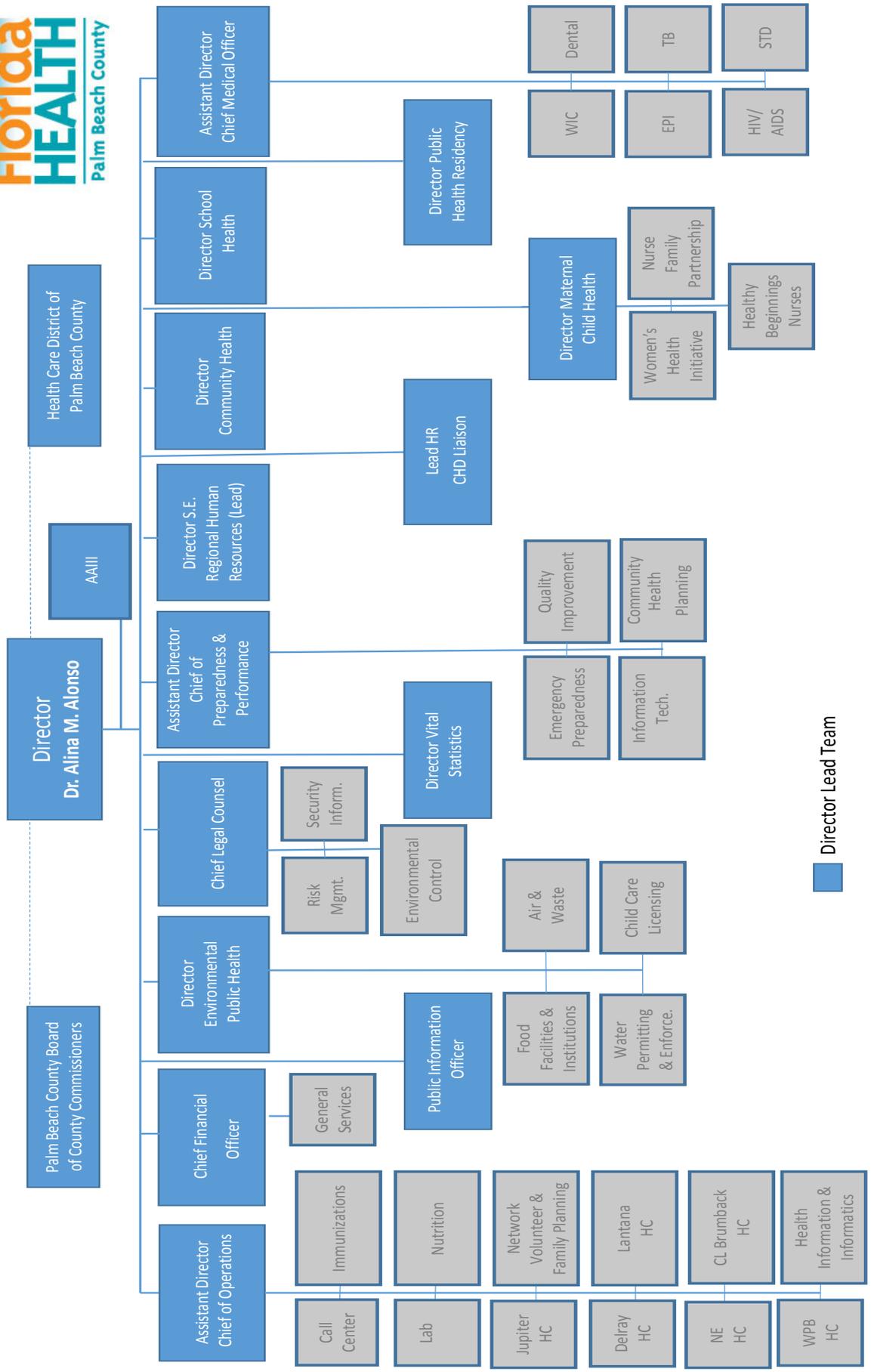
- I**nnovation: We search for creative solutions and manage resources wisely.
- C**ollaboration: We use teamwork to achieve common goals & solve problems.
- A**ccountability: We perform with integrity & respect.
- R**esponsiveness: We achieve our mission by serving our customers & engaging our partners.
- E**xcellence: We promote quality outcomes through learning & continuous performance improvement.

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DOH-Palm Beach
Functional Organizational Chart 2016

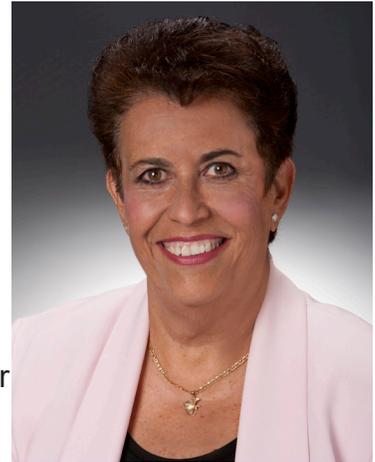


Director Lead Team

2016 Annual Health Profile Palm Beach County, Florida

New Focus on Health Equity

Florida Department of Health in Palm Beach County's mission is to protect, promote & improve the health of all people in Florida through integrated state, county, & community efforts. Our vision is to be the Healthiest State in the Nation. The Department's seven priority goals for the coming year include the following:



In Palm Beach County, we are focusing on one very important aspect of this goal, namely Health Equity. Health Equity means that every person has an opportunity to achieve optimal health regardless of the color of their skin, level of education, gender identity, sexual orientation, the job they have, the neighborhood in which they live and whether or not they have a disability.

One of our biggest challenges is to find language that will expand our views about what it means to be healthy and to include not only where health ends but also where it starts. If we can answer this question, we can pave the way for more solutions that address this critical link between our health and where we live, learn, work and play.

We are finding ways to replace the term “the social determinants of health” with terms that are more meaningful to our audience. Here are six ways to do just that:

- Health starts long before illness – in our homes, schools and jobs
- All residents should have the opportunity to make choices that allow them to live a long, healthy life regardless of their income, education or ethnic background
- Your neighborhood or job should not be hazardous to your health
- Your opportunity for health starts long before you need medical care
- Health begins where we live, learn, work and play
- The opportunity for health begins in our families, neighborhoods, school and jobs

These statements focus on the solution versus the problem. They implicitly acknowledge the notion of personal responsibility. Most importantly, these statements use value-driven language that engage audiences. I look forward to the exciting work with our partners in the community as we lead the way to a healthier county in the year to come.

Alina Alonso, M.D.

Director

Palm Beach County Health Department

Administration Vital Statistics

BIRTHS 2016----- 14,864
DEATHS 2016----- 14,422

Leading Causes of Death

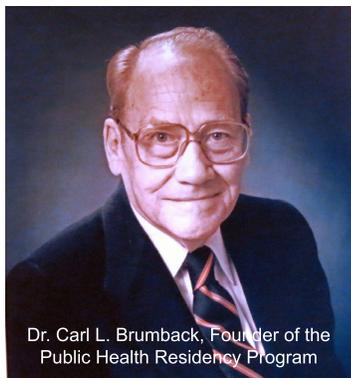
■ Cardiovascular Disease-----	3,715
■ Cancer -----	3,373
■ Cerebrovascular Disease-----	1,046
■ Unintentional Injury-----	998
■ Chronic Lower Respiratory Disease -----	719
■ Alzheimers Disease -----	550
■ Diabetes Mellitus-----	306
■ Parkinsons Disease -----	250
■ Nephritis, Nephrotic Syndrome, Nephrosis	241
■ Suicide-----	230
■ Influenza & Pneumonia -----	197

■ Chronic Liver Disease & Cirrosis -----	195
■ Septicimia-----	142
■ Essen Hypertension & Hypertensive Renal Disease	138

Did you know in Palm Beach County you can now obtain a birth certificate at two Department of Health locations, 800 Clematis Street and the Delray Beach Health Center, 225 South Congress Avenue. Birth Certificates are also available for an extra service at any county tax collector office.

[More Information on Vital Statistics online at
http://www.pbchd.com/vitals/birth_death.html](http://www.pbchd.com/vitals/birth_death.html)

Preventive Medicine / Public Health Residency Program



Dr. Carl L. Brumback, Founder of the Public Health Residency Program

The Preventive Medicine/Public Health Residency Program is an important part of the health department. Started by Dr. Carl Brumback, Director of the Palm Beach County Health Department, in 1956, it is one of the oldest preventive medicine residency programs in

the country. The program has been training leaders in public health ever since, and our graduates include a former Secretary of Health, the current director of the Florida Department of Health in Palm Beach County, the current Chief Medical Officer (CMO) of the Health Care District of Palm Beach County and many more.

Our residents are involved in multiple projects within the health department, including: helping develop a new infection control program for the employees, finding innovative ways to measure compliance with treatment in the HIV clinic, identifying factors associated with HIV and syphilis coinfection in Palm Beach County, improving the collection of hepatitis C data in the clinic, and evaluating the smoking cessation program.

We are continuously improving the program to maximize the short two years our residents have with us. As healthcare evolves we evolve with it to provide the public health leaders of the future. The Program provides instruction in the core areas of epidemiology, biostatistics, environmental health,

clinical preventive medicine, emergency preparedness, and administration (including problem identification and analysis, program planning, management and evaluation, policy development and analysis, fiscal and personnel components, legislative and political aspects, development of leadership skills, and interagency cooperation.

In addition, the department is seeking out new avenues for our residents to learn extra skills. This year one resident attended the 61st Session of the Commission on the Status of Women at the United Nations in New York City.

The residents have presented posters at the Future of Medicine Summit for the Palm Beach County Medical Society, the VA poster symposium and NOVA residency fair. Residents also had an abstract accepted to be presented at the American College of Preventive Medicine annual meeting. The 2016-2017 Graduates, Denise Josey, MD, MPH and Mones Syed, MD, MPH are moving on with their careers. Dr. Josey is going to an addiction medicine fellowship at St. Joseph Hospital in Michigan and Dr. Syed will be working in occupational medicine in Palm Beach County.

County Health Rankings

Palm Beach County Moves Up in Health Rankings

Florida Department of Health in Palm Beach County recognizes the value in measuring health outcomes and again this year acknowledged the 2016 County Health Rankings & Roadmaps tool released by the University of Wisconsin and the Robert Wood Johnson Foundation. This study highlights the many community factors that influence health and uses established data, to enlist a ranking among counties and the state. Palm Beach County has moved its rank to 8 for Health Outcomes like length of life and moved up to number 7 in Health Factors like healthy behaviors.

“We are always reviewing our Community Health Improvement Plan and encouraging all to improve their health and adopt a healthy lifestyle,” said Dr. Alina Alonso, Director of Florida Department of Health in Palm Beach County. “With help from our community partners and as these health rankings indicate, we continue to improve health outcomes in Palm Beach County making it a healthy place to live, work and play.”

These rankings are a snapshot of the health of counties across the country and they emphasize that health is not a singular effort but a combined work in

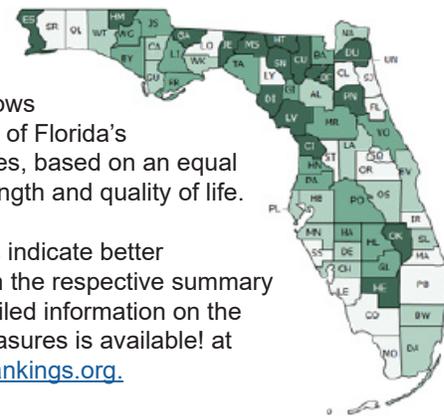
progress across all community partners. The department works in collaboration with local governments, nonprofit organizations, health care facilities, business groups, schools, faith-based organizations and many other stakeholders to improve the health of all people in Palm Beach County. These rankings use data related to physical environments, social and economic factors, health behaviors and clinical care.

In Palm Beach County, the Community Health Improvement Plan (CHIP) is designed to address specific opportunities for improved health that have been identified by the community.

The department has partnered with many stakeholders to implement the CHIP and collaborates regularly to track progress. Many municipalities have adopted the Healthiest Weight Initiative by improving parks, adding walking paths and adding public use outdoor exercise equipment. Other initiatives have included the Let’s Move Campaign and 5-2-1-0 Let’s Go. Both programs encourage a balance of exercise and diet. The rankings indicate that these combined efforts resulted in 98% of residents having access to exercise opportunities.

HOW DO COUNTIES RANK FOR HEALTH OUTCOMES?

Alachua-----26	Franklin -----41	Lee -----12	Pinellas -----28
Baker -----39	Gadsden -----66	Leon -----17	Polk -----36
Bay -----46	Gilchrist -----49	Levy -----60	Putnam -----67
Bradford -----61	Glades -----45	Liberty -----44	Santa Rosa -----7
Brevard -----25	Gulf -----33	Madison -----65	Sarasota -----3
Broward -----19	Hamilton -----63	Manatee -----21	Seminole -----4
Calhoun -----27	Hardee -----47	Marion -----43	St. Johns -----1
Charlotte -----22	Hendry -----53	Martin -----5	St. Lucie -----31
Citrus -----52	Hernando -----40	Miami-Dade -----23	Sumter -----15
Clay -----9	Highlands -----48	Monroe -----10	Suwannee -----54
Collier -----2	Hillsborough -----29	Nassau -----18	Taylor -----38
Columbia -----57	Holmes -----59	Okaloosa -----11	Union -----67
DeSoto -----34	Indian River -----13	Okeechobee -----62	Volusia -----42
Dixie -----56	Jackson -----50	Orange -----16	Wakulla -----20
Duval -----55	Jefferson -----51	Osceola -----30	Walton -----32
Escambia -----58	Lafayette -----6	Palm Beach -----8	Washington -----37
Flagler -----14	Lake -----24	Pasco -----35	

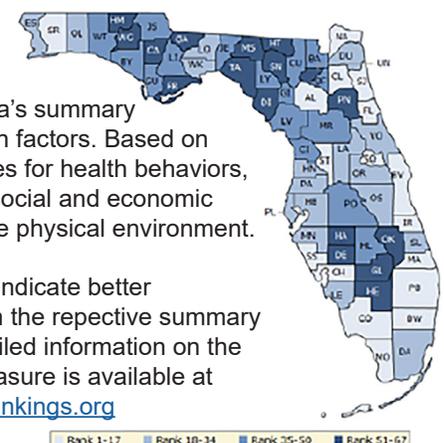


The green map below shows the distribution of Florida’s health outcomes, based on an equal weighting of length and quality of life.

Lighter shades indicate better performance in the respective summary rankings. Detailed information on the underlying measures is available! at countyhealthrankings.org.

HOW DO COUNTIES RANK FOR HEALTH FACTORS?

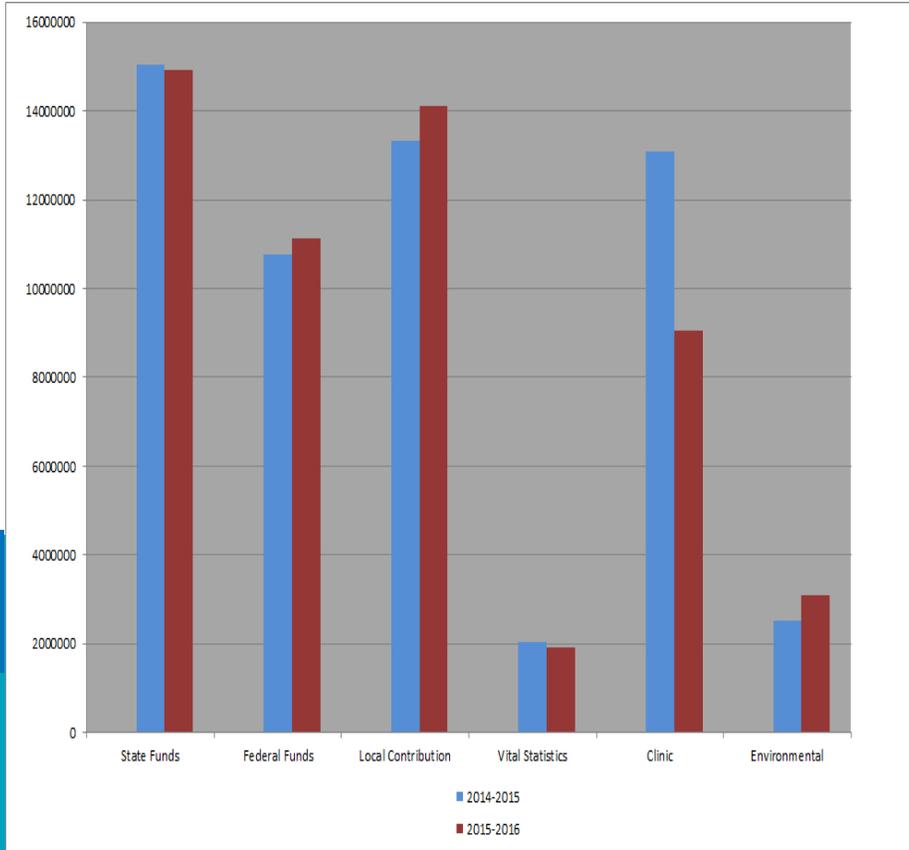
Alachua-----9	Franklin -----58	Lee -----24	Pinellas -----13
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Duval -----32	Jefferson -----45	Osceola -----34	Walton -----38
Escambia -----33	Lafayette -----40	Palm Beach -----7	Washington -----57
Flagler -----15	Lake -----22	Pasco -----27	



The blue map displays Florida’s summary ranks for health factors. Based on weighted scores for health behaviors, clinical care, social and economic factors, and the physical environment.

Lighter shade indicate better performance in the respective summary rankings. Detailed information on the underlying measure is available at countyhealthrankings.org.

Finance & Accounting



State 14,935,159

Federal 11,122,151

Local Contribution 14,125,303

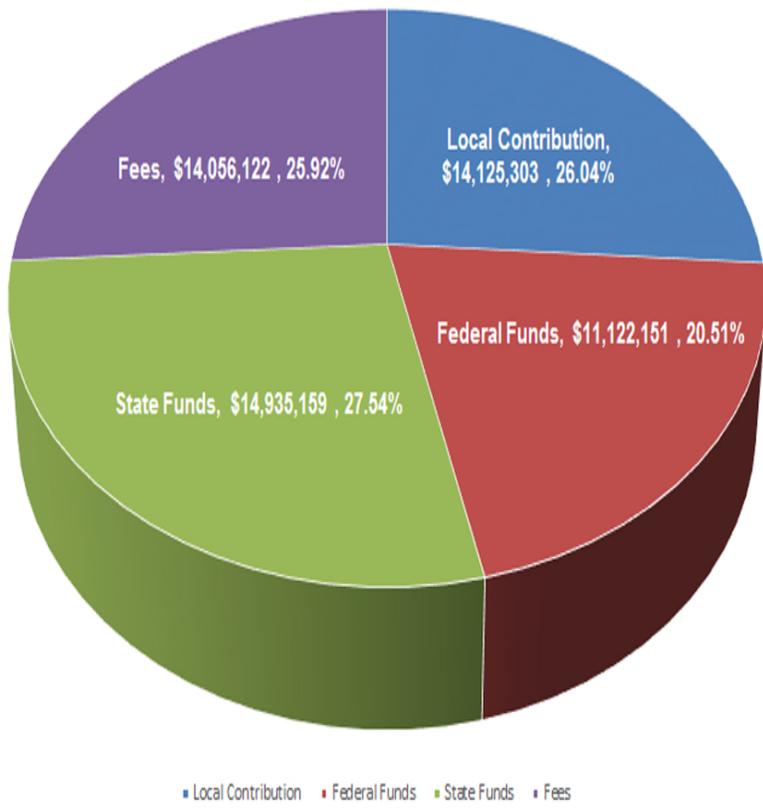
Clinic 9,037,940

Environmental 3,100,025

Vitals 1,918,157

Total 54,238,735

Revenue % by Source



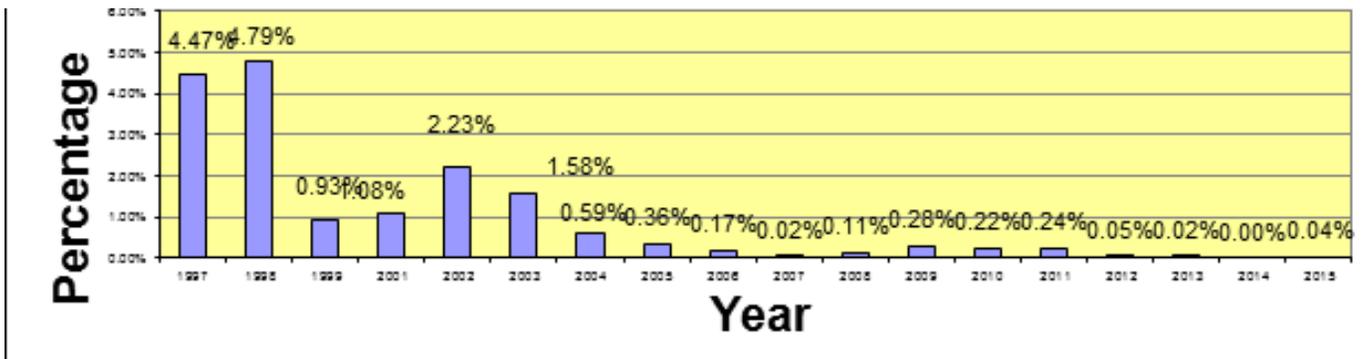
General Services

Major accomplishments

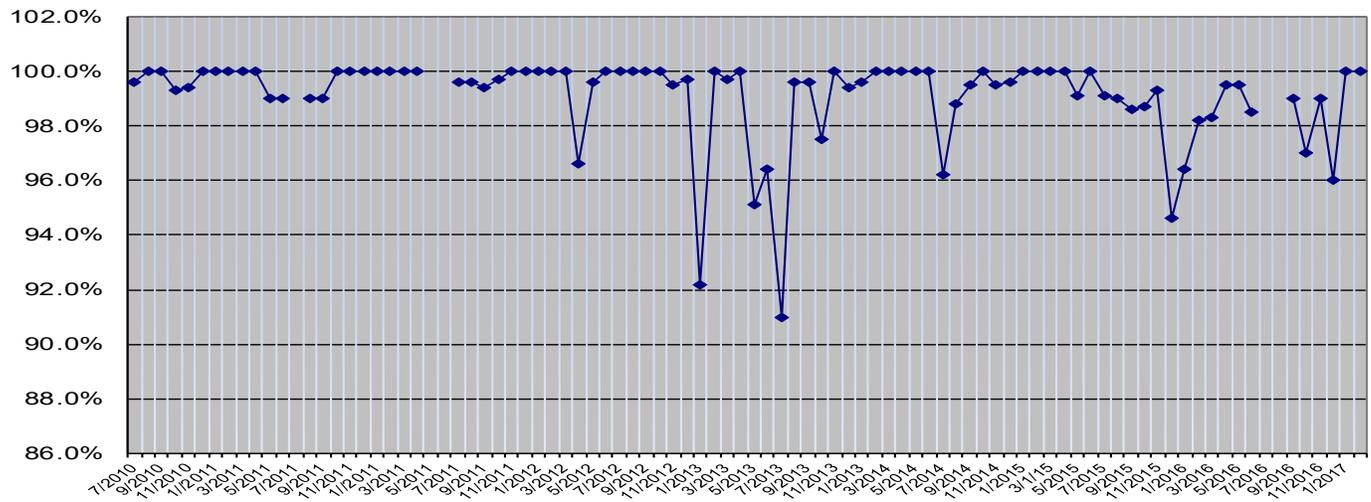
- ADA upgrades for the West Palm Beach Health Center
- Replacement of the HVAC system and energy management controls at the West Palm Beach Health Center
- C.L. Brumback building HVAC upgrades, which included the installation of three new roof top units
- Completed bid to upgrade lab equipment
- Re-Mapped courier routes to improve service
- Participated in radiological, POD management and Bio-Shield emergency preparedness drills

Fixed Asset Missing By % Of Total Dollar Value

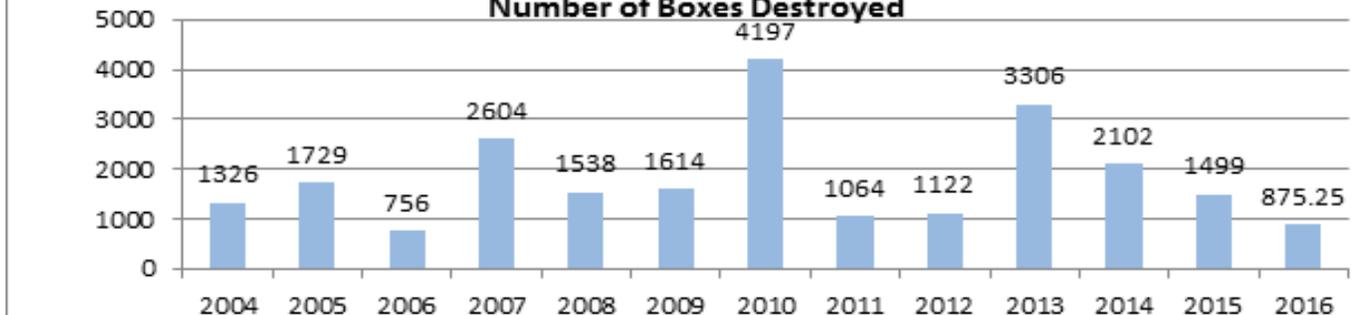
Goal = 0.25%



Florida Health-PBC Purchasing P-Card Prompt Payment Compliance



Record Archives Number of Boxes Destroyed



Epidemiology and Communicable Diseases

The Division of Epidemiology is responsible for monitoring, investigating and reporting to the Florida Department of Health all communicable diseases which appear on the “Reportable Disease/ Conditions in Florida Practitioner List.” The intent of this list, is to identify conditions or clusters which may be of public health concern. With the institution of early detection and intervention measures, further transmission into the community can be averted.

The Division of Epidemiology complies with the Florida Statutes 64 D-3 which states, “Any practitioner, licensed in Florida to practice medicine, chiropractic, naturopathy or veterinary medicine, who diagnose or suspects the existence of a disease of public health significance shall immediately report the fact to the Department of Health.” Florida Department of Health in Palm Beach county serves as the DOH’s representative in this reporting requirement.

Zika Virus Monitoring

In February 2016, the World Health Organization declared Zika a disease of global public health concern. Zika is a viral illness typically transmitted through the bite of an infected *Aedes Aegypti/ Albopictus* mosquito. Four out of five individuals with Zika are without symptoms. Symptoms include fever, joint pains, conjunctivitis and rash. Other modes of transmission of Zika includes transmission from expectant mother to the fetus in utero and sexual transmission. One of the most notable effects of Zika in pregnant women is microcephaly of the developing fetus; other birth defects may occur. Since Florida is a popular destination site with a past history of combating Dengue and Chikungunya, many processes were already in place for the threat of Zika. DOH Palm Beach County in conjunction with mosquito control and the Bureau of Epidemiology collaborated for a very robust surveillance and intervention strategy. As a direct result of tracking the spread of Zika and other mosquito borne diseases; there were 65 travel related cases of Zika and 8 non-travel related cases of Zika reported by the end of December 2016 in Palm Beach County. Ongoing outreach efforts to the public and the local medical provider community are in place, to prepare for the possibility of additional Zika cases in 2017.

Influenza

2015-2016 Influenza Season

- “Flu season” in the United States typically begins as early as October and last as late as May. During this time, flu viruses are circulating at higher levels in the U.S. population. Influenza A (H3) was the most common lab confirmed subtype in Palm Beach County, which was consistent with national trends across the country.
- CDC recommends annual influenza vaccination for everyone aged six months and older.
- Getting the annual flu vaccine aides in the protection of others who are more vulnerable to serious influenza complications, such as pregnant women, the elderly, young children, and people with chronic conditions like asthma or diabetes. Influenza can be more serious for these individuals and the best way to protect them is by getting the flu vaccine every year.
- Influenza is a serious disease that can lead to hospitalization and sometimes even death. Every flu season is different, and influenza infection can affect people differently. Even healthy people can get very sick from the flu and spread it to others.

Over a period of 31 seasons between 1976 and 2007, estimates of flu-associated deaths in the United States range from a low of about 3,000 to a high of about 49,000 people.



FDOH, PBC Director, Alina Alonso, MD, getting her annual Flu shot.

***An annual seasonal flu vaccine is the best way to reduce the chances that you will get seasonal flu and spread it to others.
When more people get vaccinated against the flu, less flu can spread through that community, a phenomenon known as “herd” immunity.***

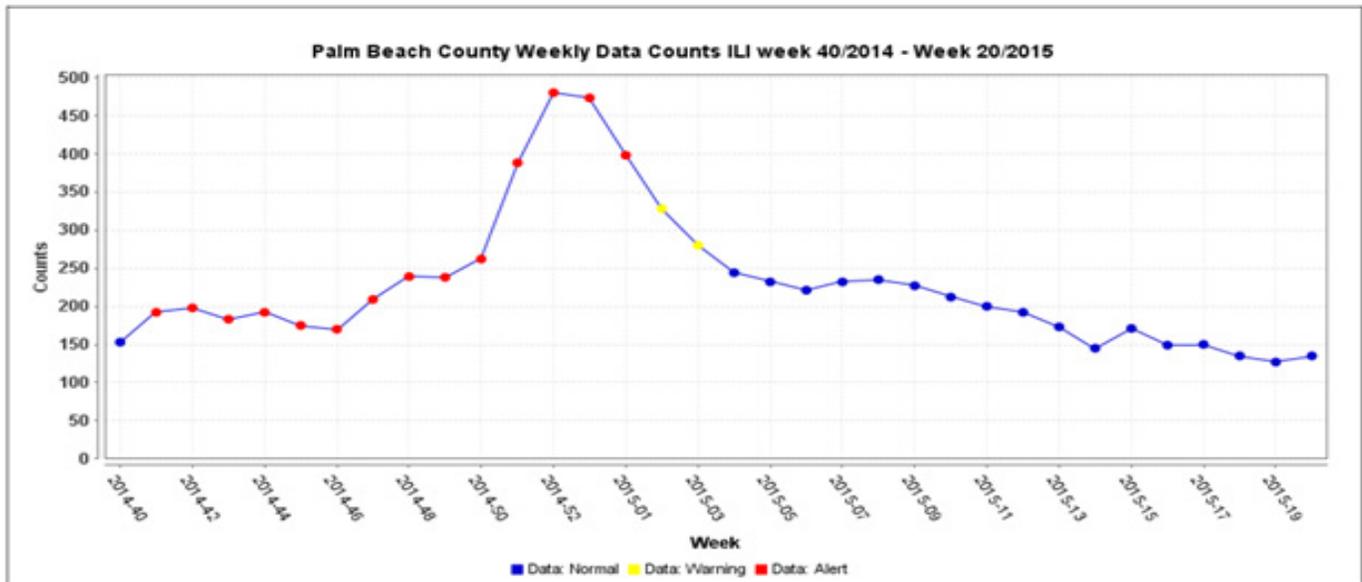


Figure 1: Influenza -like Illness as a percentage of emergency room visits 2015-2016 Flu Seasons

Norovirus

There were four gastrointestinal illness (GI) outbreaks reported in schools and assisted living facilities. Two of the GI outbreaks were lab confirmed to be norovirus. In all outbreaks, the epidemiology department utilized CDC recommended exclusion guidelines and intervention strategies, aided in information dissemination, consulted with the facilities on cleaning protocols, until further transmission was mitigated.

MOSQUITOES

can live indoors and will bite at any time, day or night

Keep mosquitoes outside.

- Keep doors and windows shut.
- Keep screens on all windows.
- Repair holes in screens.
- Use air conditioning.

COVER
Skin with long-sleeved shirts and long pants. The arms, legs and heads of babies and small children. Cribs, strollers or baby carriers with mosquito netting.

Use EPA-approved insect repellent.
Follow package label instructions.
Do not use on babies younger than 2 months.
Do not put on a child's hands, mouth, cut or irritated skin.
Do not spray onto child's face-spray repellent onto your hands and then smooth onto child's face.
Spray clothes and gear with EPA-approved insect repellent like Permethrin for extra protection.

FIGHT the BITE
Luchar contra la mordedura
Goumen mode nan

PREVENT the SPREAD
Evitar la propagacion
Anpeche pwopagasyon a

- Wheelbarrows / Carretilla / Brouët
- Gutters & Spoutings / Canaletas / Goutyè
- Window Wells / Huecos de las ventanas / Pwi fenèt
- Birdbaths / Baño del pajar / Zwazo bathzw
- Tires / Llantas / Kawotchou
- Containers / Contenedores / Resipyan
- Leaky Faucets / Grifo que gotea / Ki gen fuit tyo
- Drains / Desagües / Odtoki
- Trash / Basura / Fatura
- Toys & Play Equipment / Jwèt & Jwe Ekipman / Juguetes & Equipo del juego
- Pools / Piscinas / Pisin

There is a link between certain birth defects & Zika

WE ARE LEARNING MORE ABOUT HOW ZIKA SPREADS
ZIKA-INFECTED MOSQUITOES
The mosquito bites someone.
PREGNANT WOMEN WITH ZIKA
A pregnant woman may pass Zika to her fetus.
SEXUAL TRANSMISSION
A man may pass Zika to his partner during sex.

Tuberculosis (TB) Control Program

TB is a disease caused by a germ called Mycobacterium tuberculosis that is spread from person to person through the air. When a person with active TB coughs or sneezes, droplet nuclei containing M. tuberculosis are expelled into the air. If another person (contact) inhales air containing these droplet nuclei, he or she may become infected.

However, not everyone infected with TB bacteria becomes sick. As a result, two TB related conditions exist: latent TB infection (LTBI) and TB disease.

Persons with LTBI do not feel sick and do not have any symptoms. They are infected with M. tuberculosis, but do not have TB disease. The general symptoms of TB disease include feelings of sickness or weakness, weight loss, fever, night sweats, coughing, chest pain and coughing up blood.

TB disease occurring in the lungs is contagious and requires immediate isolation to protect others. The Palm Beach County Tuberculosis Control Program is responsible for TB prevention and control countywide.

Goals:

- Identify and treat TB disease until cured
- Provide preventive treatment to those with LTBI, most at risk of developing TB disease

TB Control Program oversees, manages and facilitates the various activities and interventions necessary to assure identification and proper treatment of all individuals with TB to eliminate its subsequent spread to others. Additionally, it assures adherence to the TB Control Act in the Florida Statute Chapter 392.

The TB Program also maintains a surveillance system for TB in the health department’s service area. One of the National TB Program Objectives and Performance Targets for 2016 is to increase the proportions of patients who complete treatment within 12 months to 93%.

The goal of TB elimination in the United States is: < 1 case per 1,000,000 population.

The Palm Beach County TB Control Program aims to prevent the transmission of TB and the progression of Latent TB Infection to TB disease. In recent years, the TB Control Program has achieved important improvements.

The reduction of the burden of TB disease by early detection and completion of TB treatment and the prevention of transmission to close contacts of infectious TB patients are just some of them. These improvements were achieved while facing and overcoming a challenging scenario of constrained resources for previous fiscal years.

TB Program Accomplishments:

- The number of new TB cases in the county, has been reduced from 92 in the year 2005 to 53 cases in 2016. The TB case rate was estimated at 3.8 per 100,000 in the year 2016 compared to 7.2 per 100,000 in the year 2005.
- 96% of TB patients were started on the recommended initial four drugs regimen when suspected of having TB in the year 2016. The national target for the year 2016 was 93.4%. In the year 2015, 92.86% of TB patients were started on the recommended initial four drugs regimen when suspected of having TB in Palm Beach County.
- The percentage of eligible TB patients completing therapy within 12 months was 93.02% in the year 2014. Data for the year 2015 is still being reviewed for this indicator. The national target for completion of TB treatment is 93% for the year 2015. The year 2016 is still too preliminary.

TB Laws and Rules

Florida State Statutes - Tuberculosis Control Act, Chapter 392

TB Reporting

Florida law requires the Department of Health to periodically issue a list of diseases determined to be of public health significance and that are required to be reported to the county health departments. Note that Tuberculosis disease has to be reported immediately.

TB Reporting Requirements for Health Care Providers:
By law health care providers in Palm Beach County are required to report TB cases and suspects within one business day of diagnosis and must provide all supporting documentation.

TB Reporting requirements for Laboratories:
Each person in charge of a laboratory which performs cultures for mycobacteria or refers specimens for mycobacterial cultures to other laboratories is required to report all specimens positive for Mycobacterium tuberculosis Complex to the TB Control Program Florida Department of Health, Palm Beach County. The phone number for reporting purposes is: (561) 803-7342, and the fax number (561) 840-0171

NEW TB CASES & RATES

YEARS	2016	2015	2014	2013	2012	2011	2010
PBC TB CASES	53	43	50	55	40	59	69
INCIDENCE RATE*	3.8	3.1	3.7	4.1	3	4.4	5.4
FLORIDA CASES	639	602	595	652	679	753	835
FL INCIDENCE RATE*	3.1	3	3	3.39	3.5	4	4.4
US CASES	9,287	9,563	9,412	9,588	9,951	10,521	11,182
US INCIDENCE RATE*	2.9	3	3	3	3.2	3.4	3.6

*RATE PER 100,000

Sexually Transmitted Diseases

Palm Beach County reported 7099 Sexually Transmitted Disease cases in 2016, a slim increase of 1.8% from the 2015 number of 6972. Gonorrhea cases in 2016 had a small increase of 0.9% to 1288, from the 1277 cases reported in 2015. Chlamydia cases in 2016 had a slight increase of 1.5 % to 5455 from the 5376 cases reported in 2015. Syphilis cases in 2016 had an increase of 11% to 356 from the 319 cases reported in 2015.

We are providing assistance to the PIPE program (Prostitution impact prevention education). Every quarter a class is scheduled for promoting awareness and education of prevention of STDs.

This class is presented in English and Spanish.

We improve operations by finding the infected clients and their partners or associates in a timely manner. In turn this is increasing our case load and volume while promoting Palm Beach County’s services. The timeliness report, where clients were seen within 14 days of interaction, was at 95%. Our goal is to expand communication with the locals in order to stop the spread of disease in Palm Beach County.

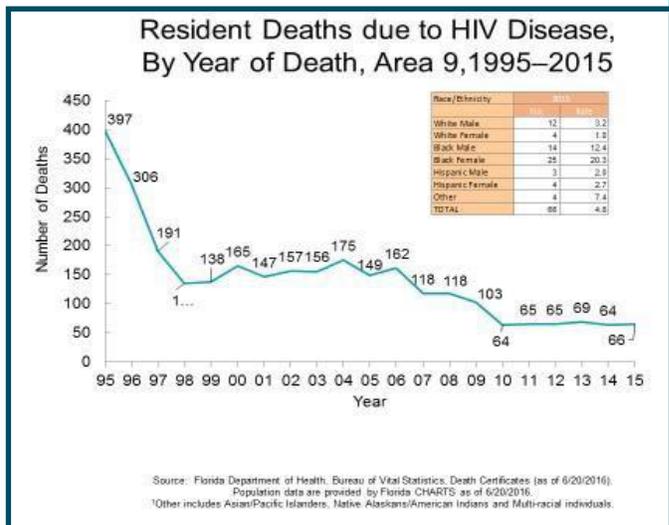
Reference:

- Florida Department of Health. Florida Morbidity Statistics Report 2015. {ONLINE} Available at: http://www.floridahealth.gov/diseases-and-conditions/disease-reporting-and-management/disease-reporting-and-surveillance/data-and-publications/_documents/2015-section1.pdf.
- PRISM Morbidity Report Summary 2015 and 2016, Timeliness of Treatment Summary CY 2016

HIV/AIDS

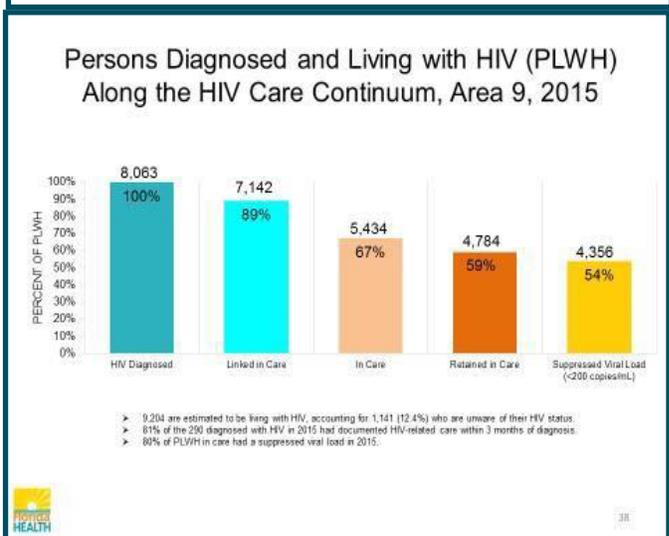
1. Resident Deaths due to HIV Disease:

In order to estimate the current burden of HIV/AIDS care and treatment needs within Palm Beach County, it is important to analyze the HIV/AIDS case deaths over a period of time. The data represents an 83% decline in HIV resident deaths due to HIV disease from the peak year of 1995 to 2015. This is much higher than the 80% decline observed by the state. Expanded prevention and treatment advances have significantly reduced HIV related deaths and have extended the quality of lives of persons living with HIV/AIDS.



2. The Continuum of HIV Care in Palm Beach County: Why should we be concerned with the continuum of HIV Care in Palm Beach County?

- The continuum of care is closely tied to the National HIV/AIDS strategy goals, which include:
 - Reducing the number of people who become infected with HIV. Increasing access to care and improving health outcomes for people living with HIV.
 - Reducing HIV-related health disparities.
- The continuum of HIV care is vital to improving engagement at every stage in the continuum of care including:
 - HIV testing and subsequent diagnosis
 - Linkage to HIV medical care
 - Continuous engagement in HIV medical care (retention)
 - A suppressed viral load (undetectable HIV viral load <200 copies/ml) which indicates that the person’s HIV medications are working.



Definitions

The Diagnosis-Based Model of the HIV care continuum shows each step of the continuum as a percentage of the number of people diagnosed and aware and living with HIV disease as of the end of 2015.

- (1) **HIV Diagnosed and Aware:** There were 8,063 (100%) persons known to be diagnosed, aware and living in Palm Beach County with HIV disease through 2015, regardless of AIDS status or where diagnosed, as of 06/30/2016.
- (2) **Link to Care:** 7,142 (89%) of those persons living with HIV disease in Palm Beach, who had at least 1 documented viral load or CD4 lab, medical visit or prescription since HIV diagnosis.
- (3) **In Care:** 5,434 (67%) of those persons living with HIV disease in Palm Beach County who had at least 1 documented viral load, CD4, medical visit or prescription in 2015.
- (4) **Retained in Care:** 4,784 (59%) of those persons living with HIV disease in Palm Beach County who had 2 or more documented viral load or CD4 labs, medical visits or prescriptions (at least 3 months apart) in 2015.
- (5) **Suppressed Viral Load:** 4,356 (54%) of those persons living with HIV disease in Palm Beach County had a suppressed viral load (<200 copies/ml) on last viral load in 2015.

3.Retention in the HIV Continuum and Linkage Model (RECLAIM) using GIS Technology

The HIV care continuum outlines the stages of HIV medical care and treatment for people living with HIV disease: known diagnosis, ever-in-care (linked), retained-in-care, on antiretroviral therapy (ART) and suppressed viral load. In order to increase the number of persons retained in HIV care, the project used HIV factors and GIS spot mapping to determine which factors influence clients being retained in HIV care. This information was used to create a Retention in HIV Continuum and Linkage Model (RECLAIM) to ensure that clients receive optimal care and positive health outcomes.

For calendar year 2015, analysis of 204 ever-in-care clients, showed 114 (56%) were retained-in-care, resulting in an ever-in-care/retained-in-care gap of 44%. Using the distance from the client's home address to the clinic, it was postulated that the further the distance the client lives from the clinic, the wider the gap in ever-in-care/retained-in-care. Global Information System (GIS) was used to assess if there is an association between distance from home address to the clinic and clients retained-in-care or not retained-in-care. Analysis did not identify the distance from the home to the health department as a significant predictor of being retained in care or not being retained in care. However, it was shown that clients who started ART and had a CD4 count >200 were more likely to be retained in care. RECLAIM is the active identification of clients who are out of care and the encouragement of re-entry in care with ART commencement and the early commencement of ART for clients who have just begun care; the model predicts that these clients will be more likely to be retained in care. RECLAIM has been implemented in the five health department Infectious Disease Clinics and resulted in more clients commencing early ART and clients who were lost to care were also identified and re-entered into HIV care.

Public Health Dentistry

The Dental Division provides comprehensive dental services including diagnostic, preventive, emergency restorative and surgical services. The division focuses on school based preventive services and dental care for clients with HIV/ AIDS. Most clients are eligible under the Medicaid program or through grant funding. In calendar year 2016, dental staff provided 11,046 dental services to 826 HIV infected clients during 2424 dental appointments.

The school based services are provided by the Marjorie S. Fisher Tooth Fairy Mobile Dental Program. During the 2015/2016 school year, 2,510 second graders at 29 Title 1 schools received oral health education and of those, 1,882 had an oral assessment. 4,835 dental sealants were placed on the first molars of 1,442 of these students. Additionally, fluoride varnish was provided for 1,682 students.

This program also provided preventive services to 761 children at 20 Head Start and community centers throughout the county. Most of these children received an assessment and application of fluoride varnish. Children with immediate dental needs were referred to community partners for further treatment. It is a goal of the Dental Division to reduce dental disease in the school aged population.

COMMUNITY HEALTH

Florida HEALTHYbabies

Florida's Healthy Babies is a collaborative effort with key partners across sectors to positively influence social determinants and reduce infant mortality disparities. The state's goal is to eliminate infant mortality; the strategy is to eliminate racial disparity in infant mortality; and the objective is to reduce the black-white infant mortality gap. Beginning in August, each county was asked to conduct a data assessment and analysis; facilitate and host a community meeting to educate community leaders and the public on the findings of their analysis and possibly utilize education to examine disparities in infant deaths, the role of social determinants of health, and propose a community action plan. Dr. Alonso quickly pulled together key community partners-Children's Services Council of Palm Beach County, Families First of Palm Beach County, Bridges at Riviera Beach, the Health Council of Southeast Florida, and the Women's Health Initiative Consortium. From July through September 2016, resources focused on implementing a Protective Factors project. The Project uses evidence-based curricula to help families get the support they need to raise healthy children. Protective factors are conditions or attributes (skills, strengths, resources, supports or coping strategies) in individuals, families, communities or the larger society that help people deal more effectively with stressful events and mitigate or eliminate risk in families and communities. We used the Circle of Parents® training for 19 community partners and members of the Bridges at Riviera Beach; and held four Circle of Parents® group sessions.

Florida HEALTH HealthiestWeight



The City of Delray Beach received the 2016 Healthiest Weight Community Champion Recognition for their efforts in promoting and implementing policies for their residents to become more physically active. The City of Delray Beach promoted "Bike to Work Day," urging people to switch from the gas pedal to the bicycle pedal. As part of National Bike Month, Delray Beach encouraged drivers to leave their cars at home and take advantage of the ideal venue that the city offers for bike riding. A self-guided bike tour throughout the historic district is a journey into Delray's past that showcases the beauty of their world-class beach, parks, and charming neighborhoods.

The department partnered with the Palm Beach County Metropolitan Planning Organization in March to assist in promotion of the county's Complete Streets policy. The aim of Complete Streets is to achieve safe and convenient transportation for all residents. Complete Streets policies support local economy; promote physical activity; and reduce emissions.

The Florida Child Abuse Death Review System was established by law in 1999. The program is administered by DOH and utilizes local Child Abuse Death Review committees to conduct detailed reviews of the facts and circumstances surrounding all child deaths for ages 0-18 reported to the Florida Abuse Hotline and accepted for investigation. The purpose of the Child Abuse Death Review process is to:

- Develop a community-based approach to address child abuse deaths and contributing factors;
- Achieve a greater understanding of the causes and contributing factors of deaths resulting from child abuse or neglect;
- Identify gaps, deficiencies, or problems in service delivery to children and families by public and private agencies that may be related to child abuse deaths;
- Develop data-driven recommendations for reducing child abuse and neglect deaths; and
- Implement such recommendations, to the extent possible.

The 2015 Child Abuse Death Review annual report, conducted reviews on 17 cases with 10 open for investigation/case still being processed in 2016. There were no cases that were verified for maltreatment. However, there is much work to do in the community around drowning prevention and safe sleep practices.



Since 2009, Tobacco Free Florida Palm Beach County has worked to reduce the health impact and economic burden of tobacco use through policy and systems change. The work focuses on the following areas approved by the Bureau of Tobacco Free Florida:

- *Policy to Counteract Tobacco Product Marketing at the Point of Sale*
- *Policy to Prevent and Reduce Tobacco Use Among Young Adults*
- *Policy to Create Tobacco Free Multi-Unit Dwellings*
- *Policy to Create Tobacco Free Worksites*
- *Establish and/or Maintain Stand Alone Tobacco Free Partnership*
- *Establish and/or Maintain Students Working Against Tobacco (SWAT) Chapters.*

Tobacco Program

Tobacco use in Florida accounts for over 32,000 deaths annually. There is good news: in 2015, the adult smoking rate in Florida reached 15.8%, the lowest it has ever been. Also at a historic low was the tobacco use rate among youth. The 2016 Florida Youth Tobacco Survey (FYTS) reveals 3.8% of youth ages 11-17 in Palm Beach County are current tobacco users.

Current efforts include educating decision makers on the importance of including language prohibiting use of electronic nicotine delivery systems (ENDS) into tobacco-free grounds policies.

MILESTONES IN 2016:

- Monthly beach cleanups at Ocean Ridge Park hosted by John I. Leonard SWAT to raise awareness about the environmental toll of tobacco use.
- Hosted a smoke-free multiunit housing policy town hall meeting at Century Village, which resulted in smoke-free Condominium policies passed by Windsor H and Canterbury S Condominium Associations.
- Hosted “Tobacco and Electronic Nicotine” educational seminars to 9th grade students at Atlantic Community High School.
- Provided tobacco cessation referral protocol at the Healthcare District of Palm Beach County resulting in 1,131 patient referrals to the Florida Quitline.
- Sponsorship at SunFest of the Palm Beaches, which resulted in 4,715 public opinion survey responses.
- Sponsorship at Roger Dean Stadium, including three Education Day events with close to 3000 elementary school students. Sponsorship during Spring Training and the Florida State League season resulted in tobacco prevention and cessation message reach of 309,677 attendees.
- Participation in Employee Wellness events at Alfred Angelo Headquarters, City of Boynton Beach, TooJays, Golden Lakes, Catholic Charities and Devonshire at PGA National.
- Sponsorship of the Bodies respiratory section at the South Florida Science Museum and Aquarium.
- Implementation of the Students Working Against Tobacco (SWAT) program at 25 sites: 24 schools and COMPASS Gay and Lesbian Community Center.

Campaign for Tobacco Free Kids Accessed online at:
http://www.tobaccofreekids.org/facts_issues/toll_us/florida.

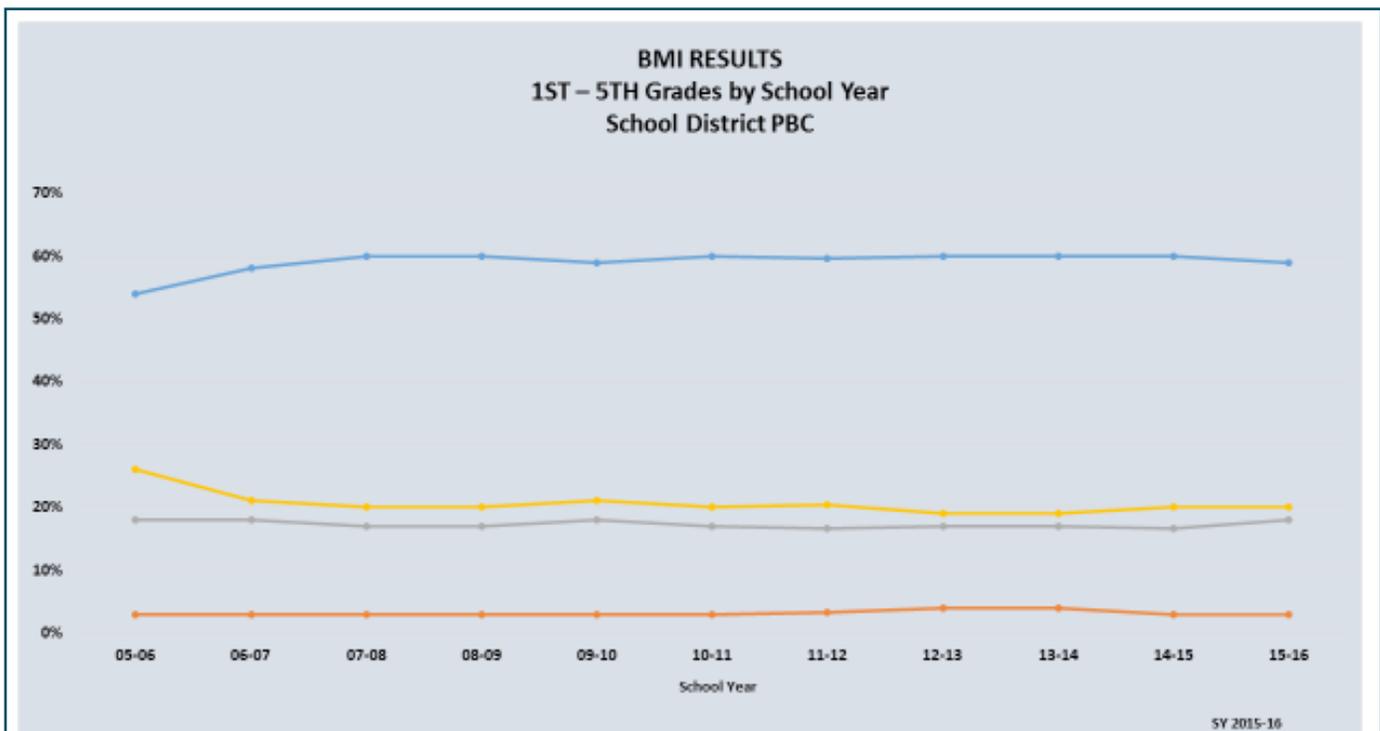


School Health

The Palm Beach County School Health Program is a collaborative partnership of the health department with the School District of Palm Beach County and the Health Care District of Palm Beach County. The health department is responsible for administrative oversight of the program.

For school year 2015-2016, there were a total of 189,195 students in pre-k through 12th grade. The school health program staff included 228 nurses and 10 health aides that provided a total of 1,372,206 school health services and administered 202,143 medication doses during the school year. School health services including health screenings and nursing services are available to all students attending public schools in Palm Beach County. The school nurses are dedicated to promoting the well-being, academic success, and lifelong achievement and health of students. They care for students that have chronic health conditions, injuries, illnesses or communicable diseases. They provide health counseling, referral and follow-up of suspected or confirmed health problems. The Health Care District monitors and reports to the health department the incidence of influenza like illness (ILI) recorded weekly by the school nurses.

Mandatory health screenings for vision, hearing, scoliosis and growth and development are provided in designated grades. The screening of student's height, weight, and BMI has been helpful in tracking the obesity rate among school children in our county. School nurses counsel and educate parents and their children on healthy eating and the health benefits of increased physical activity. For students with underlying health problems related to weight, the school nurse's case management can be helpful in impacting positive health outcomes later in life.



School health staff target efforts to increase immunization compliance in the county through education and training of school nurses, school administrative staff, local healthcare providers and their office staff, parents and the general public on vaccine standards and school requirements. Multiple challenges exist to improving compliance rates and include a large immigrant population without immunization documentation, significant turnover of provider staff, and an increase in parents seeking religious exemptions for their children. During school year 2015-16, a review of 13,371 student school health records from K-12 found 93.37% meeting state requirements for immunization.

The goal of the school health program is to promote student health through prevention, education, early intervention, and referral for acute or chronic health problems.

ENVIRONMENTAL PUBLIC HEALTH

Environmental Public Health Permit holders can now pay for their annual license renewals and complete renewal applications online. A secure online bill payment system was initialized in 2014, allowing permit holders to pay invoices and print their permits, saving time and mailing costs for both clients and the department. There is no sign up cost, and clients can pay their renewals by credit card or e-check at their convenience, 24 hours a day. Renewal reminders for payments made online will be sent via email in subsequent years, further improving efficiency. During the most recent renewal cycle using the new system, 10% of our funds were received through the online payment portal. The website can be found at www.MyFloridaEHPermit.com.



Community Sanitation Program

The Community Sanitation program constitutes the fundamental activities of community environmental health. Highlights of these activities include:

- Inspections, licensing, monitoring, and enforcement activities of food service operations in schools and college cafeterias, assisted living facilities, adult day care, group homes and residential treatment facilities, civic/fraternal organizations, bars, and detention facilities
- Investigation of reports of food borne illnesses in restaurants, nursing homes, assisted living facilities, and other food service establishments
- Inspections and monitoring of sanitation and safety at schools and colleges, foster homes, adult family care homes, assisted living facilities, and other residential facilities
- Inspections, licensing, and monitoring of sanitation and safety at mobile home parks, recreational vehicle parks, migrant housing and migrant labor camps
- Investigations of complaints from the public regarding allegations of sanitary nuisances and other health related issues across the county. Staff continued to respond to a large number of complaints related to rodent infestations and stagnant swimming pools in abandoned or foreclosed properties

Child Care Program

Under Chapter 2010-249, Special Acts, Laws of Florida, the Environmental Public Health Division administers the Child Care Licensing program for the Palm Beach County Board of County Commissioners (sitting as the Child Care Facilities Board). The purpose of the child care licensing program is to protect the health, safety, and welfare of the children of Palm Beach County and promote their emotional and intellectual development and care. This makes child care licensing an important public health function.

The Division regulates 428 licensed child care facilities and 256 licensed family child care homes countywide.

Three main types of child care arrangements are licensed: **Child Care Facilities** that provide care for six or more children in a commercial or institutional setting, **Family Child Care Homes** that provide for 1-6 children, and **Large Family Child Care Homes**, that provide for up to 12 children. Anyone receiving any type of compensation to care for a child or regularly offer custodial care for children must be licensed, and the license number must be included in any advertisement.

The activities for child care licensing include:

- Plan review
- Background screening for child care personnel
- Licensing inspections and compliance enforcement
- Complaint investigations
- Licensing consultations and public information
- Personnel training and technical assistance

The Division's program of regulation, monitoring, and enforcement activities helps to protect the health, safety and welfare of children in the following ways:

- Reduces risks related to communicable disease outbreaks and injuries due to unsafe physical environment
- Protects children from various forms of harm in out- of home settings due to unfit or unqualified caregivers
- Prevents inadequate supervision, child abuse and neglect, and other general inappropriate and harmful treatment of children

Child care licensing remains an important element in the local and statewide systems designed to ensure the health and safety of children while they are in out-of-home care.

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- Prevents inadequate supervision, child abuse and neglect, and other general inappropriate and harmful treatment of children
- The Division also monitors health and safety standards at 605 licensed and exempt School Readiness program providers in keeping with 6M-4-620, FAC
- The rules and regulations for Family Child Care Homes & Large Family Child Care Homes were modified and adopted by the Child Care Facilities Board on September 27, 2016 to be more consistent with recently updated statewide regulations



Water Programs

Healthy Beaches Program

Monitors 13 beaches for potential bacteriological contamination (enterococci) by collecting samples every two weeks.

- A total of 338 samples were collected and analyzed. Based on the data, beach advisories were issued for a total of 20 days during the year. For the 13 beaches, the water quality was considered good to moderate 94.5% of the year.

Well Surveillance Program

Identifies and monitors areas in Palm Beach County where groundwater contamination is suspected and may pose a threat to public health. The program is funded through the Florida Department of Environmental Protection (DEP) so the division can conduct well surveys and sampling.

- The division was assigned 34 facilities and located 102 wells within the designated facility areas. Samples were collected from 37 for analysis by the Florida Department of Health's Laboratory in Jacksonville. Of the samples collected 100% were found free of contamination or at levels below the standards of the Safe Drinking Water Act.

Drinking Water Program

Monitors compliance of the 254 active public water systems and the construction of water wells through the review of permit applications and monitoring reports, conducting site inspections and investigating complaints.

- The division issued a total of 1458 water well permits, 197 water plant and distribution permits, conducted 238 facility inspections, investigated 56 complaints and initiated 83 enforcement cases.

Domestic Wastewater Program

Monitors for compliance the collection, transmission, treatment and disposal of domestic wastewater. The program includes implementation of the Onsite Sewage Treatment and Disposal System (Septic Tank) program and portions of the DEP's domestic wastewater program through the review of permit applications and monitoring reports, conducting site inspections and investigating complaints

- Issued 1370 permits for the construction, repair and modification of septic tank systems, conducted 1236 system-related inspections, investigated 83 complaints and initiated 29 enforcement actions. In addition, under the delegated DEP program, 195 permit applications were processed, 504 private lift stations inspected, 105 complaint/spill response investigations conducted and 32 enforcement actions initiated.

Public Pools and Bathing Places Program

The division monitors compliance with the health and safety regulations for public pools and bathing places.

- Processed 106 initial operating permit applications for new or modified pools, conducted 7500 inspections and re-inspections, investigated 8 complaints and initiated 3 enforcement actions.
- The EPH division was required to close 1065 pools for violations of a health or safety requirement or both.

Air & Waste Section

Air Pollution Control

Monitors and issues permits for air pollution sources within the county for compliance with state regulatory requirements. The Air Program inspected all 204 regulated facilities. Staff conducted 241 regulated facility inspections, witnessed 13 air pollutant tests, witnessed 231 visible emissions tests and reviewed 913 compliance reports, such as pollutants test, visible emissions, continuous monitoring and statement of compliance reports. Monitored the activities of 236 regulated demolition/renovation asbestos projects and responded to 70 air pollution related complaints. It also inspected 12 open burning sites for land clearing activities. The Air Program collected \$4,250 from enforcement actions resolved through consent agreement. The Air Program reviewed 13 air permit applications including two construction permits, five Title V operation permits, and six minor operation permits. Staff also reviewed and input into state databases over 320 complex technical reports including stack compliance test reports, quarterly, semi-annual, annual, and other compliance reports.

Solid Waste

Regulates construction and demolition debris of recycling facilities, yard trash processing facilities, landfills, and waste tire processing facilities. Groundwater is sampled and analyzed at some of the regulated facilities to evaluate the impact, if any, on groundwater quality from those operations. In 2016 the Waste Program inspected all 44 regulated and or registered facilities. Staff conducted 56 facility inspections and responded to seven solid waste related complaints. The waste program collected \$3,300 from enforcement actions resolved through consent agreement.

The Solid Waste Program reviewed and issued five solid waste permits. Staff also reviewed and input into state databases over 110 technical reports including financial assurance cost estimates and quarterly, semi-annual, annual, and other compliance reports.

Biomedical Waste

Functions to minimize the risk from potentially infectious medical waste to health care workers, environmental services and treatment personnel, transporters and the general public. The section regulates all aspects of the biomedical waste program as it relates to segregation, packaging, storage, transport and treatment at permitted facilities. The programmatic staff conducted 2730 routine inspections and processed 271 new applications. Staff also responded to 15 complaints related to biomedical waste in the community.

Hazardous Waste

Provides oversight of the generation and management of hazardous waste in Palm Beach County. Commercial facilities such as automotive body and repair shops, dry cleaners, laboratories and hospitals generating hazardous waste are inspected for compliance and permitted through County Ordinance 97-58. 923 routine inspections were conducted on permitted facilities and 37 new applications were processed. Staff also responded to 15 hazardous waste complaints during the year.

Body Art

Encompasses both the body art and tattooing programs and is intended to protect the health, safety and welfare of the public from the spread of infectious diseases. The regulation of these establishments and the education and licensure of tattoo artists can reduce not only the occurrence of infection of the procedure site, but also the incidence of transmission of blood-borne pathogens such as Hepatitis B and C and other communicable diseases. Routine inspections were conducted on all permitted body piercing salons and tattoo establishments. Tattoo facilities currently permitted and inspected are in the vicinity of 220 with 75 new facilities added in 2016. This program continues to grow with 379 artists, an increase of 100 % from 2015.

Tanning Facilities

Establishes comprehensive and uniform procedures to ensure that new and existing tanning facilities are operated in accordance with applicable rules and regulations. These facilities are regulated, not only to reduce the threat of over exposure to non-ionizing (ultra violet) radiation, but also to prevent the occurrence of communicable diseases associated with the lack of sanitary operation of the facility. Routine inspections were conducted at all permitted facilities with four new applications received.

HEALTH ACCESS

Health Center Highlights

The C.L. Brumback Health Center

The C.L. Brumback Health Center is located at 38754 State Road 80. The main telephone number has recently changed. The new number is **561-983-9220**. The center is open Monday through Friday from 7:30a.m.-5 p.m. Clients may call the main number to schedule appointments. We also accept Walk-in clients in the morning. Services are provided by highly skilled physicians, nurse practitioners and nurses. The staff perform their tasks with integrity and respect. Bi-lingual staff communicate in French, Creole, Spanish.

Programs are designed to meet the individual needs of each patient. The services provided are as follow:

- Family Planning
- Family Waiver Program
- Sterilization Referrals
- Gynecology
- Maternity prenatal and postnatal
- Language Translation Services
- WIC (Women, Infants and Children)
- HIV/AIDS
- Sexually Transmitted Disease Screening
- Tuberculosis Screening and Treatment
- Teen Clinic
- Immunization
- Nutrition
- Volunteer Services

PROGRAM GOALS

- Establish medical home for clients
- Increase access to care and improve health outcomes for clients living with HIV
- Reduce unwanted pregnancies
- Improve Pregnancy Outcomes
- Provide and increase immunization rate for children and adult
- Reduce STD infection and transmission

NUMBER OF FAMILIES SERVED 2016

- Number of Clients = 3,564
- Number of visits = 8,849
- Number of Services = 50,318

West Palm Beach Health Center and Satellite Clinics

The West Palm Beach Health Center provides the following services: Family Planning, Sexual Health care services and treatment, Maternity which includes prenatal and postnatal services, HIV care, Immunizations, and on site laboratory services. The health center also offers extended hours on Tuesdays for walk-in sexual health care and treatment and free zika testing for pregnant women. Childbirth education classes are held on Tuesdays at 9:00 am to noon for Creole speaking clients. The clinic provides legal aid services to the community every Tuesday at 1:30 pm. Volunteer services are offered everyday where clients and members of the community can access clothing from the clothing closet. Food and toys are also provided and many other service events are held for the community. The West Palm Beach Health Center has satellite locations in Jupiter and Riviera Beach.

Jupiter Health Center offers Immunizations and Maternity prenatal care. The Jupiter Clinic is looking to expand services in the next year to include Maternity Postnatal care and Family Planning.

Northeast Health Center

Northeast Health Center in Riviera Beach is a Refugee Clinic offering Refugee services including Refugee Health Assessments, vaccines and Latent Tuberculosis Infection services to the Refugees in Palm Beach County. Northeast Health Center provides services to refugees of many countries mainly Cuba, Haiti, and Syrian countries. In 2016 Nursing students from the Palm Beach State College have been attending the Refugee Clinic as part of their Service Learning. The students provide the Refugees with refreshments and community resources, in helping them to become more familiar with the services in Palm Beach county.

Delray Beach Health Center

The Delray Beach Health Center to offer extended hours on Wednesday evenings to allow for later STD visits and ZIKA testing. The clinic staff counseled and tested 204 pregnant women who receive prenatal care in the private sector.

A teen clinic is offered on Wednesday afternoons. Teens are invited to drop in for varied educational sessions and they receive community service hours for school. If the teen is concerned about a health issue they are seen by a nurse and a provider for a private counseling session and examination if necessary. A total of 660 visits were recorded last year.

The Delray Annex continues to provide services to people affected by HIV and to a mix of people who test positive for TB exposure, are contacts to TB, or have active TB.

The TB clinic implemented the ANTIDOTE project. (Anti-Tuberculosis Infection treatment using Direct Observed Therapy and Evaluations). This is a CDC recommended protocol that offers an alternative to the nine month treatment for latent TB infections. Patients who meet the criteria are offered weekly doses of two medications - while being observed by a nurse for total of 12 weeks only. Laboratory tests are scheduled to ensure no side effects are noted.

The HIV staff also launched the Hepatitis C treatment for HIV infected individuals. There were 12 patients treated and the success rate was 99%!

In addition to providing Hepatitis C treatment, laboratory and clinic services for HIV patients, the Delray Annex offers patient centered services that include:

- ADAP (AIDS Drug Assistance Program)
- Adherence counseling
- Mental health counseling
- Nutrition counseling
- Case management
- Eligibility services to ensure that patients qualify for Ryan White coverage if they have no insurance of their own.
 - There were 4,815 HIV visits and 6,099 visits for TB investigation reported for 2016.

Lantana/Lake Worth Health Center

The Lantana Health Center provides clients with a variety of public health services including but not limited to family planning, women's health, health education, nutrition, laboratory, routine & overseas immunizations, and both prenatal and postnatal maternity services. Dedicated to improving health and health outcomes, this center's team consists of four physicians, five advanced registered nurse practitioners (ARNPs), and over 30 medical support staff. Together, these highly-trained professionals offer over 50 years of combined experience providing quality health services to meet the daily, complex needs of a culturally diverse clientele.

During 2016, the Lantana Health Center provided pre-natal and postnatal services to over 2,200 clients, accounting for approximately 43% of the Department's total improved pregnancy outcome volume in Palm Beach County. Because the clients served by the Lantana Health Center represent a variety of cultures and nationalities, language barriers often exist. To address this challenge, many of the center's team of committed professionals are also multilingual, speaking a variety of languages including English, Spanish, Portuguese, Haitian Creole, and French. Having the ability to provide exceptional care to clients in a language they understand allows for greater client comfort and a more positive overall experience.

The Lantana Health Center is also committed to preventing the spread of communicable disease among school aged children. Vaccines such as measles, mumps, rubella (MMR), TDAP, polio, hepatitis B, and varicella are administered annually in preparation for their return to school. To ensure that each child is adequately and timely vaccinated, the Lantana Health Center conducts a back to school immunization "crunch" during the two weeks prior to the start of the school year and the first week after school has begun. During the 2016 school year "crunch", the Lantana Health Center vaccinated over 580 children, administering approximately 1,479 injections. This volume represents a 13% increase from the 2015 calendar year.

The Lantana Health Center is also active in cultivating and training future health care professionals. Both prospective physicians and ARNPs rotate through the health center weekly to improve their skills and abilities.

Comprehensive Nutrition Services

The Comprehensive Nutrition Program of the Health Access Division provided nutrition services in all the health centers and in the community. Registered and licensed dietitians provide medical nutrition therapy for clients in the maternity, Infectious Disease Clinics, including HIV/AIDS and TB, family planning and women's health clinics. Medical nutrition therapy (MNT) provided by Registered Dietitian Nutritionists (RDNs) is a plan of care that focuses on the nutrition assessment, counseling, treatment and evaluation and continued monitoring of a patient or client. Clinical nutrition services including MNT, nutrition follow-up, case management and group education were provided in the Agency's four large health centers. The following details nutrition services received by health department clients in 2016:

- **Nutrition Assessment/Counseling --3,520**
- **Unduplicated number of clients-----2,424**
- **Case Management -----5,410**
- **Group Education Contacts -----48**
- **Community Presentations ----- 15**

Nutritionists were approved nutrition providers for Medicare, the Health Care District and the Genesis Health Center, a Federally Qualified Health Center. Additionally, nutritionists were credentialed by select Medicaid HMOs that contract with the health department. Nutrition is a core public health function and continues to be incorporated into clinical, community and outreach programs.

In 2016, the Comprehensive Nutrition Program nutritionists worked closely with the Family Planning Program to increase nutrition referrals for women

receiving family planning services. A focus area was maintaining or achieving a "healthy weight" during the interconceptual period. Clients were encouraged to make and keep nutrition appointments on a monthly basis to track weight loss and monitor nutrition goals. The Family Planning Program was able to identify funding for incentive items for family planning clients. Clients who kept their nutrition appointments were given a reusable grocery bag, weight tracker, MyPlate dish and other fun nutrition education materials. Nutrition education handouts, posters and videos were also purchased to help promote healthy lifestyles and weight for family planning clients.

The Florida Department of Health Palm Beach County was awarded a \$35,000 "Healthy Food Grant" from a local funder. The Healthy Food Grant funded two special nutrition fairs and career days in the schools, a special National Nutrition Month® event at the Palm Beach Outlets as well as the Lewis Center Garden Project. \$3,000 was identified to help boost the growth of fresh vegetables and herbs in the garden outside the Senator Philip D. Lewis Center. The grant supported the purchase of gardening supplies and new plants for the vegetable garden. The garden is a project of the Homeless Coalition of Palm Beach County to offer the 70 homeless guests at the Lewis Center a positive outlet. Donna Ward, RDN, LDN, CDE, has helped to refresh the garden soil and then enhance the garden with additional fruit and vegetable plants. She also works with students, interns and volunteers to incorporate the garden and healthy eating into educational sessions for the clients at the Lewis Center.



Community Immunization Services

The goal of public health is to prevent disease and promote health. One way in which prevention of disease is achieved successfully here in Palm Beach County is through an effective immunization program for both children and adults! The availability of safe and effective vaccines has had a remarkable impact on the health of our residents.

In 2016, the immunization program nurses administered 23,404 vaccines to children from birth to 18 years of age under the Vaccine for Children Program, and gave 20,720 immunizations to adults. This vaccine protection helps to prevent at least 14 different diseases, and decreases the potential for disease outbreaks in our population. Although the immunization clinics see many clients all year round, the clinic sites in July and August are especially busy, as the children come to receive the vaccines that are required for school attendance. The clinics and the immunization van work with schools and community agencies to help the children meet the school vaccine requirements. In August just prior to the start of school nursing staff gave a total of 3615 vaccines. It is also important to protect adults from vaccine preventable diseases. Some 1235 vaccines were given to uninsured adult clients in the clinics as well as community sites, including homeless shelters. In addition, 213 Hepatitis vaccines were given to protect against Hepatitis A and B in the clinics and in community outreach sites serving clients at risk for these diseases.

Case management services are also provided for children born to mothers who are positive for Hepatitis B. These services insure that the infants are protected from Hepatitis B by receiving all of their Hepatitis B vaccines as well as follow up labs. The program also provides education and support to other family contacts. Community education regarding the importance of vaccines is also a goal. The Immunization Program works with Environmental Health to educate Day Care and Pre K programs on immunization requirements for their clients. The Immunization Program partners with the Palm Beach County Immunization Coalition to provide monthly meetings for community partners interested in keeping up to date with immunization information. The program also partners with Bethesda Hospital to provide an Annual Immunization Update for the community. This year the topic was, " Vaccines to Protect the Ones We Love."

Maternal Child Health Division

The Maternal Child Health Division (MCHD) provides home visits to families throughout Palm Beach County. Services are provided by Registered Nurse Case Managers. The Division has a wide variety of clients but services are typically provided to women throughout their pregnancies and to new moms and infants after birth.

Our three programs, Healthy Beginnings Nurses, Nurse Family Partnership and Women's Health Initiative are designed to meet the individual needs of each family. MCHD Nurse visits are provided as part of the Healthy Beginnings Network funded by the Healthy Start Coalition and Children's Services Council dollars.

Services include:

- Education utilizing the Healthy Start Standards and Guidelines, The Nurse Family Partnership evidenced based curriculum and the Partners for a Healthy Baby curriculum
- Breastfeeding education
- Smoking cessation
- Parenting education and support
- Inter-conception education and counseling
- Childbirth education in Spanish and Creole
- Nurse of the Day advice line
- Nurse consultations with other network providers

Program Goals

- Improve pregnancy outcomes
- Reduce low birth weights
- Increase parenting skills and knowledge
- Establish medical homes for women and their babies
- Coordinate immunizations for children
- Reduce child abuse and neglect by offering family support
- Improve parental literacy through referrals to GED, High School and ESOL
- Promote increased levels of family self-sufficiency

Number of Families Served 2016

- Healthy Beginnings Nurses- 903
- Nurse Family Partnership - 280
- Women's Health Initiative - 109

Nurse-Family Partnership Sixth Class Graduation

The Nurse-Family Partnership, a support program for families with newborns through two years and managed through the Florida Department of Health in Palm Beach County and the Children's Services Council held its sixth graduation in September. Nurse-Family Partnership® (NFP) is a voluntary prevention program that provides nurse home visitation services from the Department of Health to low income, first-time mothers. Nurses begin home visits early in the mother's pregnancy and continue visitation until the child's second birthday. Nurses provide support, education and counseling on health, behavioral and self-sufficiency issues.

In Palm Beach County, 160 families are currently served by the program. Nationally, mothers who have participated in the program have consistently demonstrated significantly improved prenatal health, fewer subsequent pregnancies, increased employment of the moms, improved school readiness of the children, reduced involvement in crime by the mothers and their children, and less child abuse, neglect and injuries.

The Children's Services Council brought the national evidence-based Nurse-Family Partnership to Palm Beach County in 2009. Since then, 321 families have completed the two-year program and graduated.

Healthy Beginnings Nurses: Prenatal-Plus Model

The HBN Prenatal-Plus model provides case management, nutrition guidance and psycho-social services to pregnant women in Palm Beach County who are at risk of having a low weight baby or poor birth outcome. Prenatal- Plus provides home visiting services using a multi-disciplinary team approach. Services are provided by a nurse case manager, registered dietitian and a mental health clinician. Prenatal-Plus uses Partners for a Healthy Baby, a nationally recognized and evidence informed curriculum, to facilitate home visiting services. Since its launch in 2013, prenatal clients receiving this service have been shown to have experienced a significantly higher average birth weight, a longer gestational period and lower scores on screenings for postnatal depression. To date 237 clients have completed this program's services.

Performance Improvement and Preparedness

Office of Public Health Preparedness

The Office of Public Health Preparedness, which includes the Cities Readiness Initiative (CRI) Program, continuously trains, educates, prepares, and protects the health of our community.

Preparedness staff participated in several exercises and drills throughout Palm Beach County such as the annual St. Lucie Nuclear Power Plant exercise, the statewide hurricane exercise, and the Mini Emergency Operations Center exercise hosted by the Health Department. Staff collaborates with partners like the Medical Reserve Corps, Healthcare Emergency Response Coalition, and the Division of Emergency Management during these exercises. In October staff participated in the Hurricane Matthew response at the Emergency Operations Center (EOC). The health department is the lead agency for the Health and Medical Unit at the EOC. During this response, staff ensured that all health and medical unit positions were staffed, the special needs center was fully operational, and that all health care facilities were provided up to date information as well as fulfill any resource requests. The EOC was staffed 24/7 until the operation was officially closed.



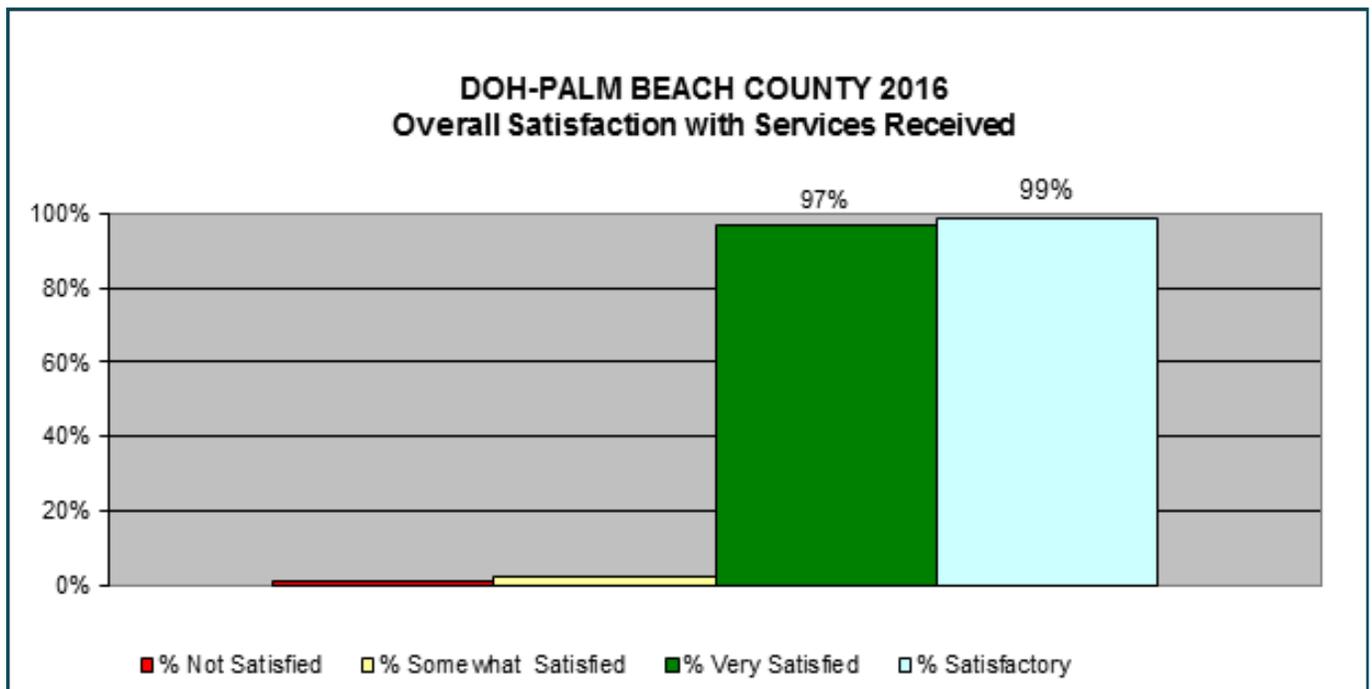
The Preparedness staff continuously provides support for real world events and public health emergencies such as Zika Virus, Pertussis, and Tuberculosis events. Preparedness staff works closely with DOH-Palm Beach Epidemiology staff to plan and implement a response. The goals of the office of Preparedness is to continue to train and exercise with our partner agencies to respond to disasters and public health emergencies. Additionally, Preparedness will continue to be involved in All Hazards planning to meet public health responsibilities in the event of a man made or natural disaster.

Quality Improvement

In 2016 DOH-Palm Beach updated its Strategic Plan to focus on the years 2017-2019. Strategic planning is an integral aspect of the DOH performance management system. As the local representative of the Florida Department of Health, activities conducted by DOH-Palm Beach align to the Department’s single mission, vision, and shared values. The relationship between DOH-Palm Beach and Palm Beach County was another guiding factor, and helped us identify the specific, sometimes unique, public health needs of our county. The Strategic plan focuses on five Strategic Priority Areas that identify key priorities for action:

- Healthy Moms and Babies
- Long, Healthy Life
- Readiness for Emerging Health Threats
- Effective Agency Processes
- Regulatory Efficiency

Aligned to these priority areas are 10 goals and 42 objectives. Each objective is specific, measurable, achievable, relevant, and time-bound (SMART), allowing us to track progress and make “course corrections” as needed. In 2016, our health department continued monthly monitoring of the strategic plan, conducted an annual review, and made substantial improvements to the Strategic Plan Database, used to monitor implementations of the plan. DOH-Palm Beach published an updated Quality Improvement (QI) Plan, which is used to describe the integration of quality improvement processes throughout our county health department. Implementing the QI program described in the plan will result in improvement of the health of Palm Beach County’s residents; more effective and efficient operations; a common set of tools, skills, and terminology for staff to use to improve performance; and help leadership maintain a workforce culture of action, continuous improvement, and performance excellence. The QI plan is evaluated monthly, and is on track for meeting its goals.



Community Health Improvement Plan (CHIP) and Community Health Assessment (CHA)

The recently completed Palm Beach County CHIP was the product of much collaboration, brainstorming, review, and discussion by many dedicated individuals representing a wide range of organizations. These included state and local government, hospitals, and community organizations who came together to improve community health. While the Health Department acted in the role of facilitator for implementation of the plan, it is important to note that the CHIP is a Palm Beach County community plan. The plan resulted in success at improving the health of our community in several areas, including:

- The percentage of youth in the county who drank a can, bottle, or glass of soda or pop one or more times per day dropped from 24.6% to 15.6%, significantly below our target of 22.1%.

- The percentage of WIC infants who are ever breastfed rose from 71.9% to 80.6%.
- The percentage of youth who watched television 3 or more hours per day (on an average school day) dropped from 37.9% to 26%, significantly below the plan's target of 34.1%.
- Palm Beach County's uninsured rate dropped yet again, from 16.3% to 13.1%, below the plan's target of 15.3%.
- The percentage of middle and high school students in Palm Beach County who report using alcohol or any illicit drug in the past 30 days dropped from 36.6% to 25%. Again, well below the plan's target of 34%.

In early 2017, the community will release a new Community Health Assessment (CHA). The new CHA will include secondary data from national, state, and local sources, as well as primary data that encompasses the community's perspective, including the results of community focus groups. Based on information and data from the CHA, the community will then release a new CHIP in Summer 2017.

Accreditation

Quality practices continue to be the way business is conducted. The DOH-Palm Beach Strategic Plan is very simply a process by which we look into the future, paint a picture of that future based on current trends, and develop a plan to meet the challenges and opportunities that will affect us.

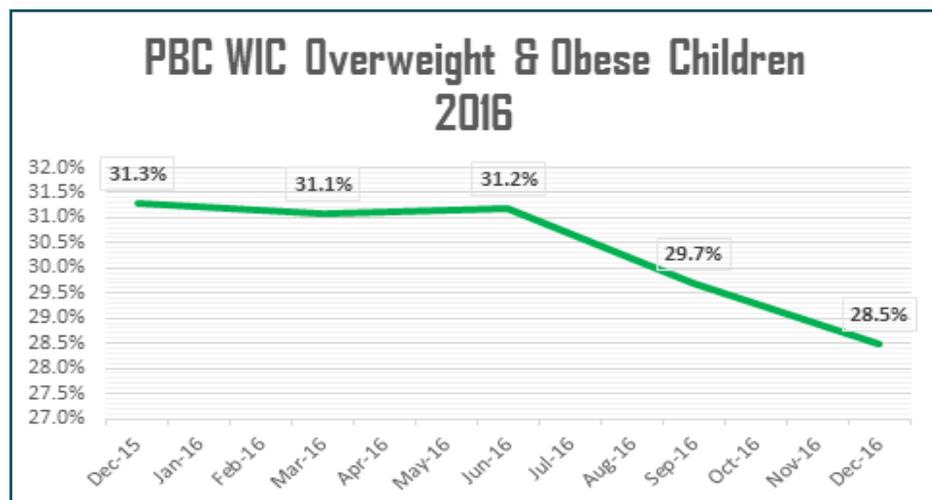
In 2014, our agency continued implementation of the Strategic Plan, conducted an Annual Review, and extended the Strategic Plan into 2016 in order to better align with the State DOH Strategic Plan. Strategic planning is an integral aspect of the DOH performance management system. The Plan-Do-Check-Act process used in developing the Strategic Plan reflects the policy of the FDOH, as outlined in the Department's QI Plan, to maintain an agency wide quality improvement program that engenders a culture of quality. Specifically, the process allows for a systematic identification of opportunities for improvement, implementation of data-supported improvement initiatives, sharing of best practices, and evaluating measurable impacts on strategic priorities. The QI program at DOH-Palm Beach continues to participate in statewide quality improvement projects, provide trainings to staff on quality improvement tools and techniques, and instill a culture of quality throughout the agency.

Women, Infants and Children (WIC)

The Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) promotes healthy eating and provides education on the nutritional needs of low-income infants and children up to age 5 and women who are pregnant, postpartum, or breastfeeding. Nutrition during pregnancy and early childhood is critical for healthy child growth and development. Nutrition Education provided by WIC nutritional professionals along with access to healthier foods improves food choices made by WIC families.

Childhood obesity is associated with negative health consequences including bullying, trouble breathing, joint problems, and increased risk for chronic disease. It can also track into adulthood, putting one at risk for type 2 diabetes, cardiovascular disease, and certain cancers. Obesity disproportionately affects children from low-income families. Understanding obesity trends among low-income children is important for evaluating the effectiveness of obesity prevention initiatives among this vulnerable group and reducing health disparities. WIC address childhood obesity with nutrition education and healthier food choices.

WIC made improvements to the food packages available for WIC participants, including adding healthy items like fruits and vegetables, and whole grain foods while reducing the amount of fruit juice and whole milk. This change, coupled with a focus on nutrition education for families with infants and young children, led to improvements in food choices and access to healthy foods for at risk families and a decrease to WIC Overweight and Obese children.



2016 WIC Program Accomplishments

- Participation increased by 1%
- WIC Overweight and Obese children decreased 31.3% to 28.53%
- WIC vendors increased; Partnered with 142 local vendors
- Provided \$23,148,213 of nutritionally appropriate foods to Palm Beach WIC participants; an increase of \$134,772 from last year

A program review was conducted for the Palm Beach County WIC program in June 2016. The program review team included a nutritionist and a quality assurance professional from the State WIC Office in Tallahassee. The team reviewed WIC administrative files, medical records, program operations, procedures, lesson plans, and statistical reports. They conducted interviews with local agency WIC employees, and observed the delivery of services to clients and nutrition counseling sessions. The reviewers determined the agency successfully manages most program components, and was commended for several activities however a few areas required corrective actions. Corrective actions included refresher trainings and additional documentation. The program was commended for increased participation, customer service and breastfeeding support.

Florida WIC What Your Child Will Receive Each Month

For Children 1 Year of Age

4 gallons whole milk
or 3 gallons + 1 quart whole milk and 1 lb cheese
 36 oz breakfast cereal
 2 lb whole grains - choice of 100% whole wheat bread, pasta or tortillas; brown rice; or corn tortillas
 128 oz fruit juice
 1 dozen eggs
 1 lb dry beans **or** four 16 oz cans of beans
 \$8 for fruits and vegetables

For Children 2-5 Years of Age

4 gallons 1% lowfat or fat free milk
or 3 gallons 1% lowfat or fat free milk, 32 oz yogurt, and 1 lb cheese
or 3 gallons + 1 quart 1% lowfat or fat free milk and 1 lb cheese
 36 oz breakfast cereal
 2 lb whole grains - choice of 100% whole wheat bread, pasta or tortillas; brown rice; or corn tortillas
 128 oz fruit juice
 1 dozen eggs
 1 lb dry beans **or** four 16 oz cans of beans **or** 18 oz peanut butter
 \$8 for fruits and vegetables



Florida Department of Health, WIC Program
 This institution is an equal opportunity provider.
www.FloridaWIC.org
 Photo provided by and material adapted from the NYS Department of Health.



1/16

Note: WIC is a supplemental nutrition program. WIC does not provide all of the food your child needs.

Healthiest Weight



Healthy Promise FL



Services Provided

Florida Health Palm Beach County is a service organization responsible for the health of over a million residents in Palm Beach County.

The many and varied core programs include disease prevention and control, environmental public health, school health and health education. In addition, the department shares responsibility for primary care of the medically indigent population of the county with the Health Care District of Palm Beach County and private sector by providing millions of services annually through six health centers.

Florida Health Palm Beach County has served as the model agency for the State of Florida and many other states throughout the country. For over 60 years it has led the way with innovative programs that include:

- √ Immunizations for children
- √ Parental education in child care from pregnancy to birth and beyond
- √ Monitoring the land, air and water
- √ Monitoring and testing for potential epidemics

The future holds many unknowns, but Florida Health Palm Beach County will be there to serve your needs.

HEALTH ACCESS DIVISION	(561) 671-4036
EPIDEMIOLOGY & COMMUNICABLE DISEASE	(561) 671-4184
ENVIRONMENTAL PUBLIC HEALTH	(561) 837-5900
COMMUNITY & SCHOOL HEALTH	(561) 671-4161
MATERNAL CHILD HEALTH	(561) 671-4140
STD/TB	(561) 803-7362
IMMUNIZATIONS	(561) 840-4568
NUTRITION SERVICES	(561) 671-4089
PUBLIC HEALTH PREPAREDNESS	(561) 671-4014
PREVENTIVE MEDICINE/PUBLIC HEALTH RESIDENCY PROGRAM	(561) 837-5165
DENTAL PUBLIC HEALTH	(561) 837-5560
VITAL STATISTICS	(561) 837-5841
WIC	(561) 357-6007

APPOINTMENT LINE

1-855-GET-APPT (438-2778)

(561) 625-5180

Health Centers



Delray Beach Health Center



225 South Congress Avenue
Delray Beach, FL 33445
(561) 274-3100

C.L. Brumback Health Center



38754 State Road 80
Belle Glade, FL 33430
(561) 983-9220

Jupiter Auxiliary Health Center



6405 Indiantown Road
Jupiter, FL 33458
(561) 746-6751

Lantana/Lake Worth Health Center



1250 Southwinds Drive
Lantana, FL 33462
(561) 547-6800

Northeast Health Center



851 Avenue "P"
Riviera Beach, Florida 33404
(561) 803-7300

West Palm Beach Health Center



1150 45th Street
West Palm Beach, FL 33407
(561) 514-5300

Florida Health Palm Beach County
Main Phone Number
(561) 840-4500