

Florida Department of Health Palm Beach County
ANNUAL HEALTH PROFILE
2017



Director's report

Our Community Health Improvement Plan (CHIP) with a lens focused on equity has created a transformational synergy based on working on the social determinants of health to solve root causes of health disparities. For example, reducing black infant mortality is an objective in both our Strategic Plan and the CHIP. DOH-Palm Beach partnered with a local quasigovernmental agency, the Children's Services Council, and CtiyMatCH to tackle this issue. Data was reviewed for the initial phase, and determined that parity in birth outcomes in the county would not be achieved until 2046, resulting in a "not soon enough" campaign. The next phase included engaging in the statewide "FloridaHealthybabies" initiative with key partners to positively influence social determinants of health and reduce infant mortality disparities.

One of our three CHIP priority areas is "mental and behavioral health." We have engaged county-wide partners in this effort. Palm Healthcare's "train the brain" initiative is designed to help County residents reduce stress through brain fitness, achieve balance in their lives, and show compassion to individuals with acute and persistent mental health challenges. Multiple Opioid Task Committees have been actively working to solve this problem locally with evidence based solutions. Our message to residents in Palm Beach County is that substance abuse is a disease and there is hope for recovery.

Working with our numerous partners in the chip process has given us rich lessons-learned:

- Community acceptance of the CHIP as a county-wide effort and not a "Health Department" document is key to success. We constantly reinforced this at CHIP meetings, and engaged the Health Council of Southeast Florida (HCSEF), a respected community organization, to facilitate the process. We co-funded the CHIP process with another community partner. As a result, we have not seen the drop-off in participation by community partners that we experienced during our first Community Health Assessment (CHA)/CHIP cycle when we were seen as the lead.
- Getting local funders to include CHIP support in their funding evaluations reinforces the importance of the CHIP and increases buy-in.
- Leverage work already being done by community partners when developing the CHIP. Use it as a common playbook to integrate similar/complimentary efforts.
- Continuous engagement with community partners. Staff from the local health department and the HCSEF regularly engage with CHIP Council Members and give presentations at community meetings. A "CHIP Clips" newsletter is published quarterly and shared with partners.

Lastly, special projects advance our ability to meet core public health functions. Most projects focus on access to care, and retention in care, for vulnerable populations and high-risk clients. Involving community partners (such as in the RAPID project) help to better address issues related to the social determinants of health and getting at root causes to improve the health of our community.

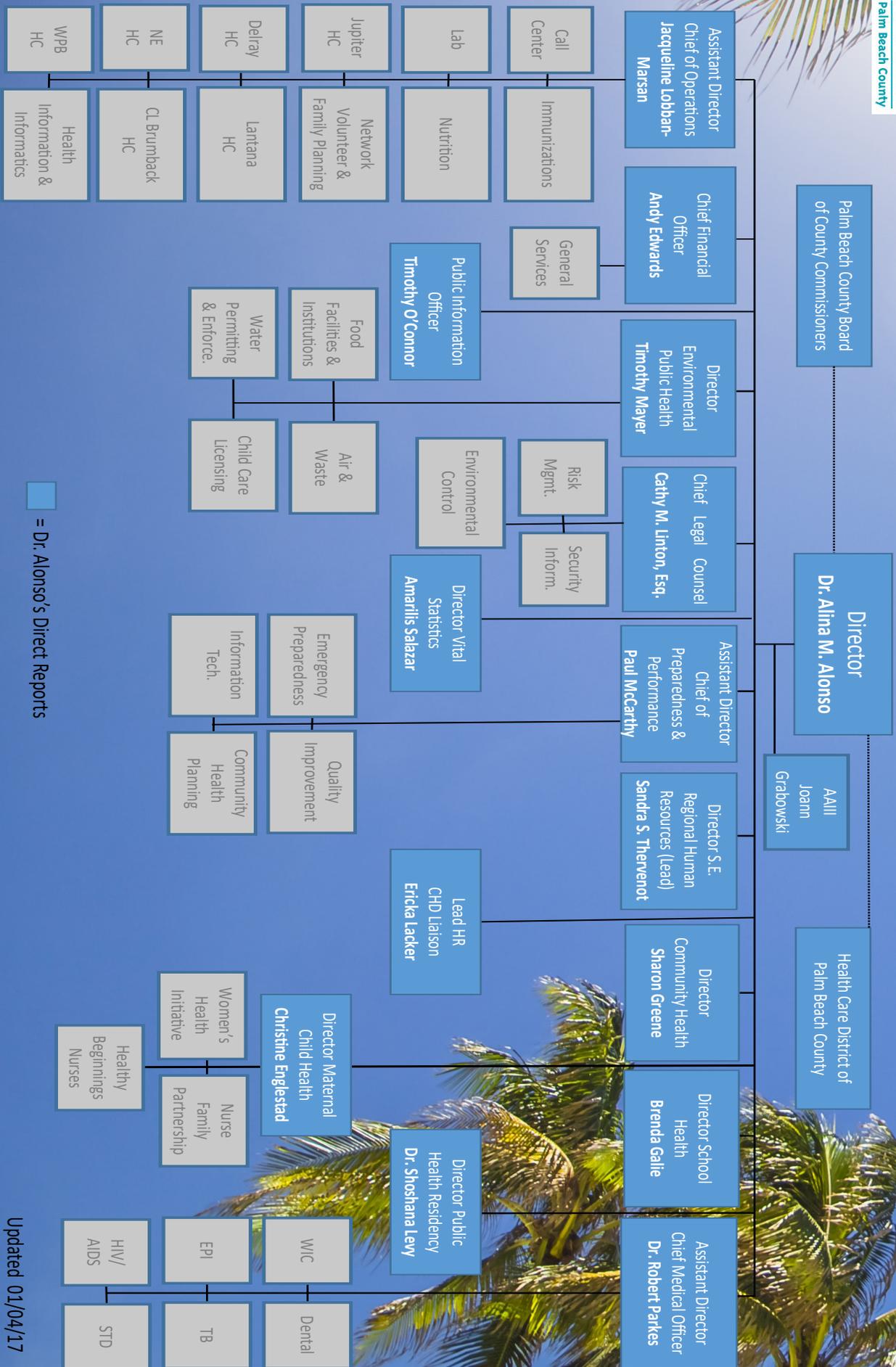


A handwritten signature of Alina Alonso in white ink, written in a cursive style.

ALINA ALONSO, MD
DIRECTOR
FLORIDA DEPARTMENT OF HEALTH
PALM BEACH COUNTY



DOH-Palm Beach Functional Organizational Chart 2017



 = Dr. Alonso's Direct Reports

Updated 01/04/17

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)

Innovation: -----We search for creative solutions and manage resources wisely.

Collaboration: ----We use teamwork to achieve common goals & solve problems.

Accountability: ---We perform with integrity & respect.

Responsiveness: We achieve our mission by serving our customers & engaging our partners.

Excellence: We promote quality outcomes through learning & continuous performance improvement.

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VITAL STATISTICS

Births(Count) by Year of Birth by County of Residence (Mother)

Births=Resident

Palm Beach County 2017 (Provisional) ----- Total 15,043

Resident Death Counts by Year by Residence County

Palm Beach County 2017 (Provisional) ----- Total 14,944

Resident Infant Death Count by Residence County

Palm Beach County 2017 (Provisional) ----- Total 67

FINANCE & ACCOUNTING

State Funds -----15,329,844

Federal Funds -----11,920,654

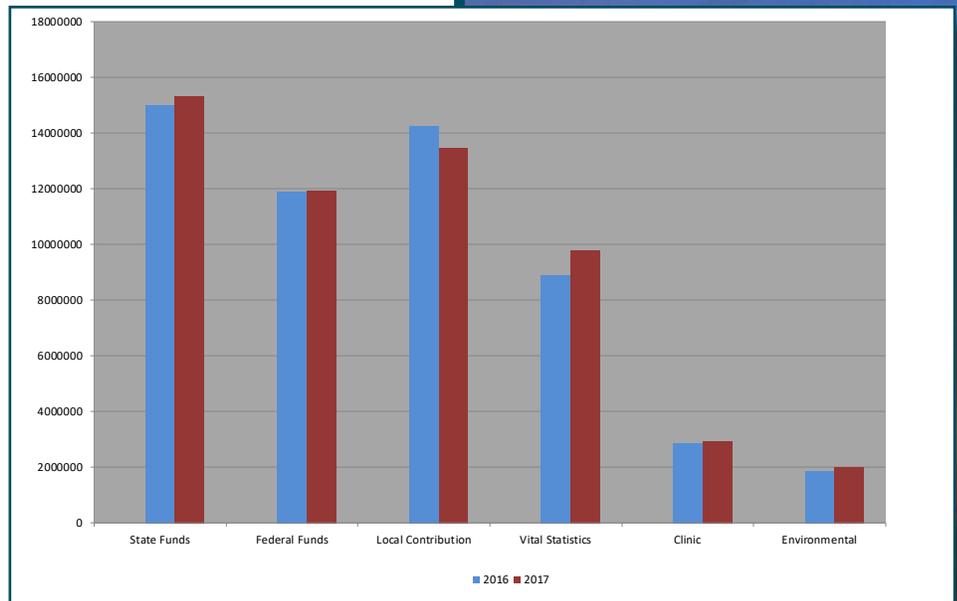
Local Contribution -----13,440,071

Vital Statistics ----- 9,792,461

Clinic ----- 2,950,677

Environmental ----- 2,004,950

TOTAL ----- \$55,438,657

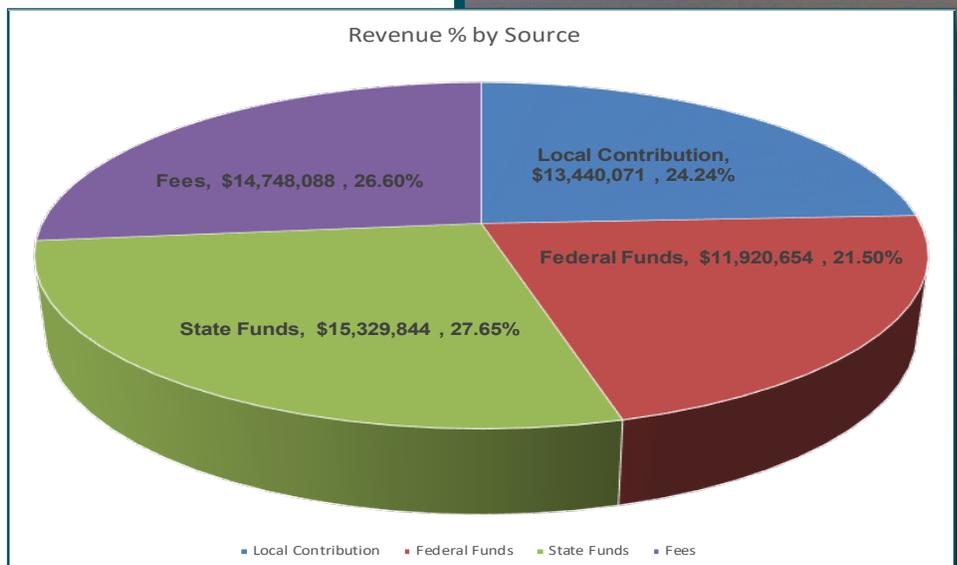


Local Contribution ---- \$13,440,071 -----24.24%

Federal Funds ----- \$11,920,654 -----21.50%

State Funds ----- \$15,329,844 -----27.65%

Fees----- \$14,748,088 -----26.60%



COUNTY HEALTH RANKINGS

FLORIDA DEPARTMENT OF HEALTH IN PALM BEACH COUNTY

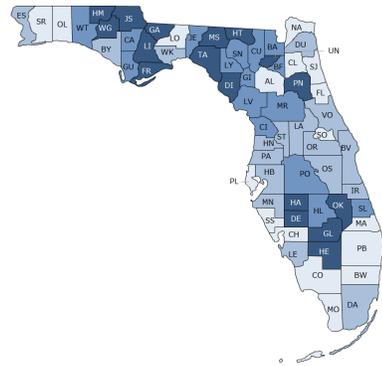
The Florida Department of Health in Palm Beach County recognizes the value in measuring health outcomes and acknowledged the 2018 County Health Rankings & Roadmaps tool released by the University of Wisconsin and the Robert Wood Johnson Foundation. This study highlights the many community factors that influence health and uses established data, much of which is available from the department at www.FLHealthCHARTS.com.

The Health Rankings in Florida demonstrated that Palm Beach County has continued to be a leader in the state as it ranked eighth for Health Outcomes (How healthy our county currently is) and seventh in Health Factors (how healthy our county might be in the future based on the many factors that influence health). Palm Beach County continues to be a leader among the 67 Florida counties and continues to rank highest among all large population counties of one million or more people.

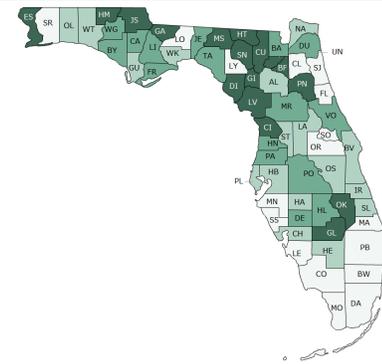
In Palm Beach County, the Community Health Improvement Plan (CHIP) is designed to address specific opportunities for improved health that have been identified by the community. The department has partnered with many stakeholders to implement the CHIP and collaborates regularly to track progress.

Adult obesity reduction is one of the focuses of the CHIP and this year's rankings show that Palm Beach County continues to improve as 22 percent of its adult population is obese versus the State and Federal level of 26 percent. Mental and Behavioral Health issues are an area that has begun to yield positive results. Palm Beach County has begun aggressively countering the substance abuse issues by adding more and better comprehensive treatment and engaging all community and mental health partners to work toward a positive outcome.

To explore more health indicators in your county, visit www.FLHealthCHARTS.com. The County Health Rankings & Roadmaps can be found at www.countyhealthrankings.org.



Rank 1-17 Rank 18-34 Rank 35-50 Rank 51-67



Rank 1-17 Rank 18-34 Rank 35-50 Rank 51-67

	Florida	Palm Beach
Health Outcomes		8
Length of Life		10
Premature death.....	6,800	6,200
Quality of Life		15
Poor or fair health.....	19%	16%
Poor physical health days.....	3.8	3.8
Poor mental health days.....	3.8	3.7
Low birthweight.....	9%	9%
Health Factors		7
Health Behaviors		5
Adult smoking.....	15%	13%
Adult obesity.....	26%	22%
Food environment index.....	6.7	7.8
Physical inactivity.....	24%	21%
Access to exercise opportunities.....	87%	94%
Excessive drinking.....	18%	18%
Alcohol-impaired driving deaths.....	26%	24%
Sexually transmitted infections.....	454.8	383.9
Teen births.....	25	20
Clinical Care		8
Uninsured.....	16%	17%
Primary care physicians.....	1,380:1	1,260:1

	Florida	Palm Beach
Dentists.....	1,730:1	1,380:1
Mental health providers.....	700:1	570:1
Preventable hospital stays.....	54	47
Diabetes monitoring.....	86%	86%
Mammography screening.....	68%	73%
Social & Economic Factors		22
High school graduation.....	78%	79%
Some college.....	62%	63%
Unemployment.....	4.9%	4.8%
Children in poverty.....	21%	19%
Income inequality.....	4.7	4.9
Children in single-parent households.....	38%	38%
Social associations.....	7.1	6.4
Violent crime.....	500	463
Injury deaths.....	72	76
Physical Environment		38
Air pollution - particulate matter.....	7.4	6.0
Drinking water violations.....		Yes
Severe housing problems.....	22%	24%
Driving alone to work.....	79%	79%
Long commute - driving alone.....	40%	35%

GENERAL SERVICES

Annual Supply Inventory

For FY 2017-2018

Summary and Findings

Stock items in the Warehouse were in good order. Only four items were found to require adjustment in the system as a result of the physical counts.

The result of the physical counts required adjustment of four of the 210 stock items. All of the variances for the seven items were under \$100.

The overall dollar amount of the shortage was \$42.17. As can be seen from the percentage figures below, the result is within the standard of no more than a 2% variance annually.

The total amount of the current inventory as of was \$115,815.30.



Date of ISS Report	Over	Under	Total Variance	Total Value of Inventory	# of Items w/ Discrepancies
4/30/18	0%	0.0365%	0.0365%	\$115,815.30	4
6/12/17	0%	0.0525%	0.0525%	\$129,277.32	8
4/23/16	0%	0.0578%	0.0578%	\$147,163.99	7
6/13/15	0%	0.008%	0.008%	\$122,316.63	2
5/20/14	0.047%	0.055%	0.0076%	\$111,758.12	6
6/24/13	0.1085%	0.1782%	0.0697%	\$129,416.56	12
6/12/12	0.0686%	0.0835%	0.0149%	\$116,947.40	5
6/9/11	0.00%	0.04235%	0.04235%	\$112,981.26	1

Date of Spreadsheet	Over	Under	Total Variance	Total Value of Inventory	# of Items w/ Discrepancies
6/25/10	0.0278%	0.1388%	0.1110%	\$105,755.36	9

Date of SIMS Report	Over	Under	Total Variance	Total Value of Inventory (SIMS)	# of Items w/ Discrepancies
12/14/09	0.0993%	0.2287%	0.1300%	\$106,277.87	11
5/31/09	0.3160%	0.0178%	0.2982%	\$109,392.78	5
1/31/09	0.00%	0.0088%	0.0088%	\$89,335.46	1
9/30/08	0.0008%	0.00%	0.0008%	\$105,328.18	1
6/30/08	0.09%	0.36%	0.270%	\$96,816.47	8
3/31/08	0.21%	0.14%	0.072%	\$101,456.30	11
1/31/08	1.01%	1.05%	0.0357%	\$107,251.23	49
9/30/07	2.32%	0.40%	1.922%	\$120,969.95	26
6/30/07	1.89%	0.38%	1.508%	\$126,137.45	29
3/31/07	0.45%	0.34%	0.1096%	\$131,999.68	43
12/31/06	0.40%	1.55%	1.151%	\$125,907.92	32
9/30/06	0.72%	0.73%	0.013%	\$136,768.79	35
5/31/06	0.85%	0.61%	0.24%	\$125,185.19	42
1/31/06	0.27%	0.32%	0.04%	\$139,272.13	28
9/30/05	0.95%	0.60%	0.35%	\$131,257.03	32
6/30/05	0.26%	0.24%	0.015%	\$130,425.19	34
3/31/05	0.10%	0.90%	0.50%	\$125,375.90	24
12/31/04	1.32%	1.85%	0.53%	\$138,911.65	84
9/30/04	Cancelled--hurricane recovery				
6/30/04	1.07%	0.72%	0.34%	\$133,837.46	37
3/31/04	0.49%	0.72%	0.23%	\$127,895.47	33
12/31/03	0.80%	0.47%	0.33%	\$116,129.59	41

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.

Active 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 active TB disease

The TB Program maintains a surveillance system for TB in the health department's service area. One of the National TB Control Program Objectives and Performance Goals for the year 2017 is to increase the proportions of patients who complete TB treatment within 12 months to 93%.

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

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 in Palm Beach County.

The phone number for reporting purposes is: (561) 803-7342, and the fax number (561) 840-0171.

TB Program Accomplishments:

- The number of new TB cases in the county, has been reduced from 92 in the year 2005 to 44 cases in 2017. The TB case rate was estimated at 3.1 per 100,000 in the year 2017 compared to 7.2 per 100,000 in the year 2005.
- 95.5% of TB patients were started on the recommended initial four drugs regimen when suspected of having TB in the year 2017. The national goal for the year 2017 was 93.4%. The percentage of sputum culture conversion, another relevant TB control program performance measure, was 80% in the year 2016, which stands above the national goal of 61.5% for same year. The percentage of eligible TB patients completing therapy within 12 months was 95.4% in the year 2016. Data for the year 2017 is still considered preliminary for this indicator. The national goal for completion of TB treatment was 93% for the year 2016.

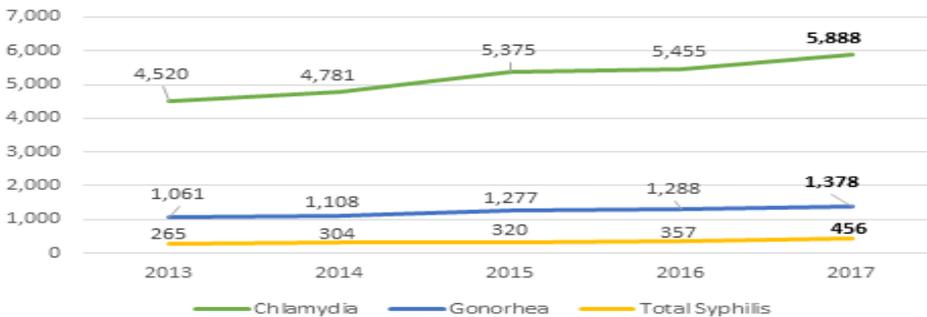
Years	TB Cases and Rates			*Rate per 100,000		
	2017	2016	2015	2014	2013	2012
Palm BC TB cases	44	53	43	50	55	40
PBC TB incidence rate*	3.1	3.8	3.1	3.7	4.1	3
Florida cases	549	639	602	595	652	679
FL incidence rate*	2.7	3.1	3	3	3.39	3.5
US cases	9,093	9,287	9,563	9,412	9,588	9,951
Us incidence rate*	2.8	2.9	3	3	3	3.2

Sexually Transmitted Diseases

Counts & Rates of STDs - 2017

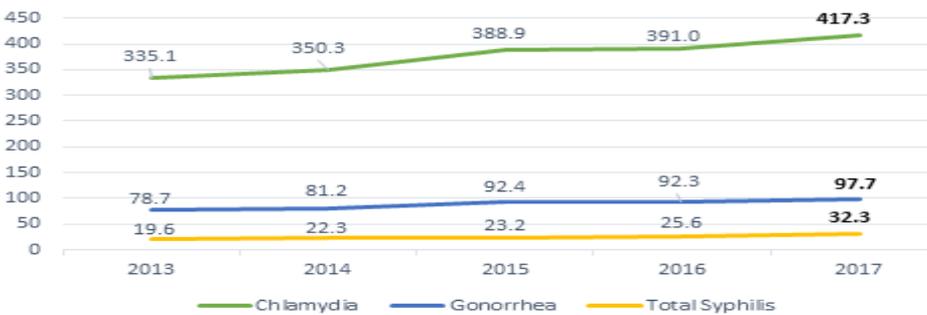
	Chlamydia		Gonorrhea		Total Syphilis		Early Syphilis		Population	
	Count	Rate	Count	Rate	Count	Rate	Count	Rate		
Palm Beach	5,888	417.3	1,378	97.7	456	32.3	229	16.2	7,722	1,411,054
Florida	100,057	486.8	31,710	154.3	8,958	43.6	5,425	26.4	140,725	20,555,728

Cases (#) of STDs in PBC



Palm Beach County reported a total of 7,722 cases of Sexually Transmitted Diseases in 2017, an increase of 8.8% from 7,100 in 2016. In 2017, cases of chlamydia increased by 7.9% to 5,888 from a count of 5,455 in 2016. Gonorrhea cases in 2017 increased by 7.0% to 1,378 from the 1,288 reported cases in 2016. Syphilis cases in 2017 increased by 27.7% to 456 from 357 in 2016. Last year there were a total of 229 cases for Early Syphilis.

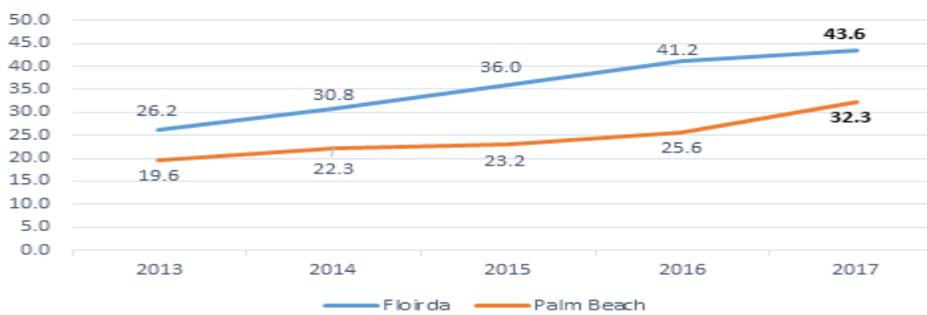
Rates of STDs in PBC per 100,000



Reference:

•Data was collected from Prism and Florida Charts

Rates of Syphilis per 100,000



The STD/Hepatitis Outreach Program was in its preliminary stages in early 2017, by mid-2017 there were over 21 outreaches carried out between July and December reaching out to about 376 clients. Our main focus in 2017 for the Hepatitis program was to implement protocols and procedures for the team to utilize. We assist community based organizations, drug treatment centers, and local schools. Presentations are provided in English and Spanish, to educate prevention of STD's and promote awareness. The Prostitution Impact Prevention (PIPE) program remains in effect. Screenings and referrals are provided to all Palm Beach County patrons.

We improved operations by finding the infected clients and their partners or associates in a timely manner. This increased our case load while still promoting PBCHD services. The escalation in cases for 2017 was also due to the fact that our client base is transient from other neighboring counties. The likelihood of seeing a client more than once decreases, therefore a plan was devised to seize the interaction, in other words, a "one stop shop." To guarantee clients were immediately made aware of their status, at their convenience, screenings took place simultaneously during the interviews. With this new method the waiting period for the client's result and treatment occurred at a more rapid pace. To enhance the team's accessibility, extended/flexible office hours were provided to better equip each client's schedule. The timeliness report, where clients were seen within 14 days of interaction, was at 96% for 2017. The constant goal is to keep expanding communication with the locals in order to stop the spread of disease in Palm Beach County.

HIV/AIDS

Florida's Plan to Eliminate HIV Transmission and Reduce HIV-related Deaths

- Implement routine HIV and Sexually Transmitted Disease (STD) screening in health care settings and priority testing in non-health care settings
- Provide rapid access to treatment and ensure retention in care (Test and Treat)
- Improve access to antiretroviral pre-exposure prophylaxis (PrEP) and non-occupational post exposure prophylaxis (nPEP)
- Increase HIV awareness and community response through outreach, engagement and messaging

Palm Beach has implemented the Florida Plan into action and the HIV Program continues to collaborate with its community partners to look for innovative ways to stop the spread of the HIV disease among the Palm Beach Community.

The Situation in Palm Beach County: The table to the right gives a summary of the impact to Palm Beach County. Palm Beach had an 8 percent increase in newly diagnosed HIV cases and had a 10 percent decrease in newly diagnosed AIDS cases. Although we are making great strides with reducing AIDS related deaths and Pediatric HIV/AIDS Cases. Palm Beach continues to see an increase in HIV cases. Blacks continue to be among the highest diagnosed in Palm Beach County, even though they represent only 17 percent of Palm Beaches population. The majority of newly diagnosed HIV cases were men.

Resident Deaths due to HIV Disease: The data represents a 54 percent decline in HIV resident deaths due to HIV disease from 2007 to 2016. Since 2007, HIV related deaths began to sharply decrease until 2010 when deaths stabilized. Deaths began to decrease again in the past year. Overall, HIV related deaths have decreased by 54 percent over the past 10 years and by 18 percent in the last year alone. 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. Expanded prevention and treatment advances have significantly reduced HIV related deaths and have extended the quality of lives of persons living with HIV/AIDS.

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.

HIV/AIDS Team institutes COSMO program

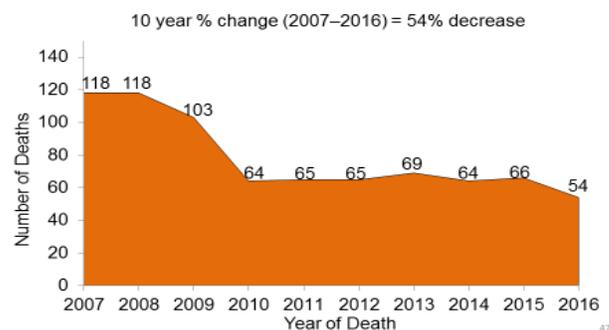
The HIV Team have won another Prudential Productivity Award for the Community Opportunities for Social Media Outreach (COSMO) Project. COSMO is the use of social media (apps, internet and Ads) to engage and intervene through the use of social dating sites, such as Grindr, Jack'd, Adam for Adam and Scruff and Flirt, providing information and access to HIV and STD testing, awareness education, screening and treatment services for Gay, Bi-sexual and other MSM in Palm Beach County. COSMO was adopted as the template for the subsequent use of social media for enhanced HIV and STD testing throughout the State of Florida.

The Epidemic in Palm Beach County

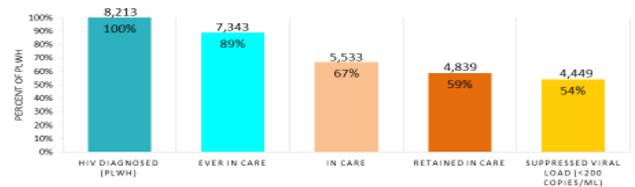
	2015	2016	Trend
Population	1,381,632 (58% White, 17% Black, 21% Hispanic, 4% Other)	1,402,017 (55% White, 17% Black, 26% Hispanic, 2% Other)	1.5% increase
Newly diagnosed HIV cases	283	306	8.1% increase
Newly diagnosed AIDS cases	159	143	10.1% decrease
Pediatric AIDS cases diagnosed	1	0	
Perinatal HIV cases born in Florida	0	0	
People diagnosed & living with HIV (Prevalence)	8,117 (24% White, 60% Black, 14% Hispanic, 2% Other)	8,213 (24% White, 60% Black, 14% Hispanic, 2% Other)	1.2% increase
HIV - related deaths	66	54	18.2% decrease



Resident Deaths Due to HIV by Year of Death, Palm Beach County, 2007–2016



Persons Living with HIV (PLWH) in Palm Beach County along the HIV Care Continuum in 2016



- 76% of the 306 diagnosed with HIV in 2016 had documented HIV-related care within 3 months of diagnosis.
- 80% of PLWH in care had a suppressed viral load.
- 85% of PLWH retained in care had a suppressed viral load.

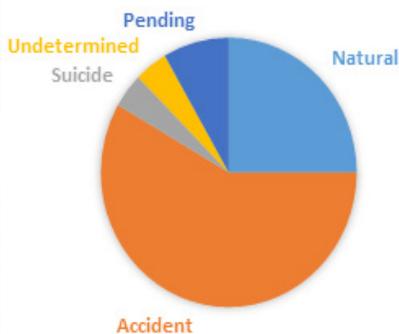


In calendar year 2017, dental staff provided 11,985 dental services to 536 HIV infected clients in 2,554 dental visits.



Oral health education was provided for 1,464 students. Oral health assessments totaled 679 and 672 fluoride varnish applications were provided. Acute needs were identified in 71 students and referrals resulted in treatment for 35 of the students.

2016 MANNER OF DEATH



PUBLIC HEALTH DENTISTRY

It is a goal of the Dental Division to reduce the oral disease burden in the school aged population.

The Dental Division provides comprehensive dental services including diagnostic, preventive, emergency restorative and surgical services. The division focuses on school based preventive services and oral health care for clients with HIV/ AIDS. Most clients are eligible under the Medicaid program or through grant funding.

The school based services are provided by the Marjorie S. Fisher Tooth Fairy Mobile Dental Program.

Provided preventive dental services for second graders at 29 Title 1 elementary schools.

2,542 students received oral health education and of those, 1,937 had an oral health assessment

4,817 dental sealants were placed on the first molars of 1,417 of these students.

1,709 students received fluoride varnish.

Preventive services for 948 children at 24 Head Starts including, 914 receiving fluoride varnish.

The School Oral Health Preventive Pilot Program began operation in February of 2017. Through the end of school year 2016/2017, the program provided preventive dental services to grades K-5 at three Title I elementary schools.

The Child Abuse Death Review

The Child Abuse Death Review Circuit #15 committee reviewed 22 cases called in to the Florida Abuse Hotline in calendar year 2016. For the cases reviewed, there were 6, natural deaths, 14 accidental deaths, one suicide, and one undetermined. There are two cases still open. The committee's focus is on identifying gaps, deficiencies, or problems in service delivery to children and families by public and private agencies that may be related to child abuse deaths; developing data-driven recommendations for reducing child abuse and neglect deaths; and implementing recommendations, to the extent possible. Children under five had the highest risk for all forms of death. The committee agreed that the 14 accidental deaths could have been prevented and an action plan has been developed to increase community awareness and implement health promotion and education strategies focused on drowning prevention (4 cases) and unintentional asphyxia/ safe sleep practices (7 cases). Local efforts will continue to be the driving force with preventing child deaths.

Florida's Healthy Babies is a collaborative effort with key partners across sectors to positively influence social determinants and reduce infant mortality disparities. We are in Phase III of this collaborative effort and focused our attention on implementing a Safe Sleep Awareness Campaign to educate the community. There are several agencies and organizations that have incorporated safe sleep education as a common practice. These include; education in the labor and delivery hospitals for parents, at health fairs; during nurse home visits; when the Child Protective Investigation teams go into homes; in the Medical Examiner's office; during CPR classes; during educational sessions with their clients; and during classes for baby sitters and foster parents. We also decided to reach out to nail salons specialist/technicians for assistance with educating their customers and designed bus wraps to display on the Palm Tran buses for county wide visibility.

Healthiest Weight Florida

Healthiest Weight Florida (HWF) is a priority program of the Florida Department of Health launched in January 2013 to address the number one public health threat to Florida, unhealthy weight. In Palm Beach County only 36.8% of adults were at a healthy weight in 2013. According to the 2016 Behavioral Risk Factor Surveillance Survey released winter 2017, the percent of adults at a healthy weight has increased to 45.6%. This exceeds the strategic priority to increase adults at a healthy weight to 38% by December 2019.

For the 2016 to 2017 fiscal year, four place-based strategies were implemented across Palm Beach county as part of the HWF work plan: birthing facilities, early care and education, worksites and communities. Within that fiscal year the community deliverables were exceeded.

The Delray Beach, Boynton Beach and Lake Worth municipalities received the 2017 Healthy Community Champion award for their policies that help increase access to physical activity and healthy foods. In October the Palm Beach County Complete Streets Design guidelines were adopted by the Palm Beach County Transportation Planning Agency Board. Led by the Transportation Planning Agency, these guidelines were developed by a multidisciplinary ad hoc work group that included HWF staff. These guidelines will help municipalities prioritize all road way users, including pedestrians and cyclist, when roadways are updated.



Tobacco Free Florida Palm Beach County

- Tobacco use is the leading cause of death in Florida. But 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.

Each year, Tobacco Free Florida Palm Beach County seeks to improve the health of our community through policy, systems and environmental change. On October 1, 2017, the Pahokee Housing Authority implemented a 100% smoke-free living environment policy. This policy prohibits the use of tobacco products, including electronic nicotine delivery systems, anywhere on Pahokee Housing

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. Our work focuses on the following areas:

- 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



Authority property, including vehicles, with the exception of a designated smoking area. Tobacco Free Florida Palm Beach County staff presented the Pahokee Housing Authority's Executive Director and Quality Assurance Specialist with their official smoke-free housing signage on December 18, 2017.

Addressing tobacco related health inequities remained a focus in 2017. Surveys conducted at 368 tobacco retailers across Palm Beach County revealed low-income, high-minority population neighborhoods had more tobacco retailers, more tobacco industry marketing (interior and exterior) and more tobacco products sold at tobacco-licensed retailers. Retailers in low-income neighborhoods were more likely to be located within 1000 feet of a school or park, and these retailers were less likely to have healthy food and beverage options available.

Presentations at community centers, schools and faith-based organizations in these neighborhoods helped educate community members on the importance of tobacco prevention and cessation and raised awareness about the impact of tobacco advertising on youth initiation and cessation efforts.

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To learn more about the statewide and local efforts of our program visit www.tobaccofreeflorida.com

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.

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.

For school year 2016-2017 the School Health Program staff included 228 nurses and 10 health aides.

- There were 208,121 students in pre-k through 12th grade.
- Provided nearly 1,300,000 school health services
- Administered 207,788 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. 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.

This year school nurses from the Department of Health began conducting specific classes to promote student health and reduce risk-taking behaviors to students in three high schools outside of the Comprehensive School Health Program. They also began conducting lessons in summer camps and incorporated activities with children to promote messages from the 5-2-1-0 healthy lifestyle campaign to teach children healthy behaviors.

Multiple challenges exist to improving immunization 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 2016-2017, review of 13,181 student school health records from K-12 found 93.54% meeting state requirements for immunization.



ENVIRONMENTAL PUBLIC HEALTH

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 4,311 licensed child care facilities and 242 licensed family child care homes.

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.



Water Programs

Healthy Beaches Program

A total of 351 samples were collected and analyzed. Based on the data, beach advisories were issued for a total of 70 days during the year. For the 13 beaches, the water quality was considered good to moderate 92.6% 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 division was assigned 38 facilities and located 113 wells within the designated facility areas. Samples were collected from 45 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

- The division issued a total of 1,729 water well permits, 453 water plant and distribution permits, conducted 46 facility inspections, investigated 37 complaints and initiated 48 enforcement cases.

Domestic Wastewater Program

Monitors for compliance the collection, transmission, treatment and disposal of domestic wastewater.

- Issued 1,105 permits for the construction, repair and modification of septic tank systems, issued 731 letters of no objections, conducted 4,332 system-related inspections, performed 257 site evaluations, issued investigated 103 complaints and initiated 45 enforcement actions.
- In addition, under the delegated DEP program, 243 permit applications were processed, 504 private lift stations inspected, 165 complaint/spill response investigations conducted and 43 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 113 initial operating permit applications or new or modified pools, conducted 9,369 inspections and re-inspections, investigated 74 complaints and initiated 9 enforcement actions.
- The EPH division was required to close 1,320 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 161 minor and 19 major regulated facilities. Staff conducted 281 regulated facility inspections, witnessed 18 air pollutant tests, witnessed 215 visible emissions tests and reviewed 949 compliance reports, such as pollutants test, visible emissions, continuous monitoring, annual operating reports, and statement of compliance reports.

Monitored the activities of 242 regulated demolition/renovation asbestos projects and responded to 109 air pollution related complaints. It also inspected nine open burning sites for land clearing activities. The Air Program collected \$5,070 from enforcement actions resolved through consent agreement. The Air Program reviewed 15 air permit applications.



Ambient Air Monitoring

The Palm Beach County Ambient Air Monitoring network monitors the concentrations of Nitrogen Dioxide (NO₂), Ozone (O₃), and Particulate Matter (PM₁₀ & PM_{2.5}) in ambient air. The air quality is reported via an air quality index (AQI) that correlates to the concentrations of seven designated priority pollutants concentrations that is good or may pose a threat to human health. These monitoring stations are located in Lantana (NO₂, O₃, PM₁₀), Belle Glade (PM_{2.5}), and Delray Beach (PM_{2.5}). In 2017, air quality was reported 'good' for 269 (73.7%) days and 'moderate' for 94 (25.8%) days. Two days were reported as 'Unhealthy for Sensitive Persons.' AQI forecast can be obtained at www.airnow.gov

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 2017 the Waste Program inspected all 44 regulated and or registered facilities. Staff conducted 51 facility inspections and responded to 12 solid waste related complaints.

Disaster Debris Management Sites (DDMS) function as an intermediate staging area between the initial removal and the disposal or recycling of the debris (such as vegetative debris, construction and demolition debris, white goods, and vehicles & vessels). The Solid Waste Program reviewed and inspected 35 Pre-Authorization sites and issued 27 DDMS Authorizations. Staff conducted 62 inspections during routine operation and site closure.

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 2,553 routine inspections and processed 303 new applications. Staff also responded to eight complaints related to biomedical waste in the community.

Hazardous Waste

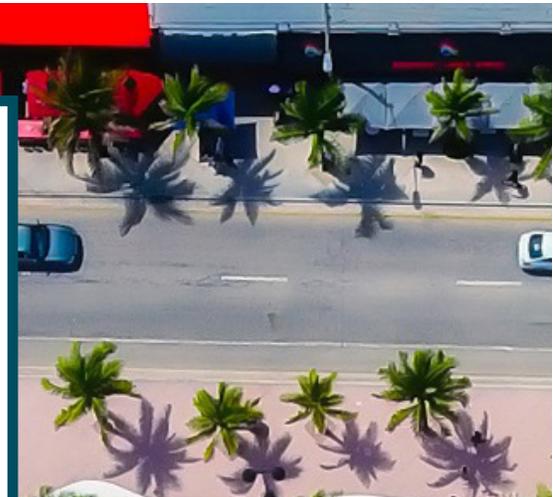
Provides oversight of the generation and management of hazardous waste in Palm Beach County. Commercial facilities such as automotive body and repair shops, dry cleaners, laboratories and hospitals generating hazardous waste are inspected for compliance and permitted through County Ordinance 97-58. 717 routine inspections were conducted on permitted facilities and 41 new applications were processed. Staff also responded to 13 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 conducted on new and permitted tattoo establishments and body piercing salons in 2017 were 212. The tattoo program has increased over 50% in the last year, with 141 new tattoo establishment applications and 374 new tattoo artist applications processed in 2017. In addition, staff investigated eight body art complaints.

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 two new applications received.



HEALTH ACCESS

DELRAY BEACH HEALTH CENTER

Promotes healthy pregnancy outcomes

Tested 142 for ZIKA Virus

Recorded 6,800 pre and post-natal visits

Teen Education Sessions-Group and Individual assessments and counseling

671 Teens attended

16 Guest speakers volunteer

STD, HIV, Hepatitis C testing and treatment

600 patients

Hepatitis C treatment success rate 99%

Family Planning-Continuing education on diverse long and intermediate birth control

Coordination of sterilization access for males and females.

Delray Beach Annex

1,100 TB clients diagnosed and followed through treatment

Utilized reduced timeline of treatment for latent TB infection

"Based on a December 2011, Sterling, et al., large clinical trial that compared the use of 9-months of Isoniazid with 3-months of Isoniazid-Rifapentine (INH-RPT) for the treatment of latent tuberculosis infection (LTBI) in individuals who were at high risk for the development of active Tuberculosis.

The researchers concluded that three months of Isoniazid-Rifapentine was as effective as nine months of Isoniazid, alone, in preventing active Tuberculosis which developed in 0.19% (7/3986) of those on Isoniazid-Rifapentine and 0.43% (15/3745) among those on Isoniazid monotherapy. Furthermore, 3-months of Isoniazid-Rifapentine, which is the shortest regimen for LTBI management, is provided to the client under "Directly Observed Prevention Therapy" (DOPT).

At this time, INH-RPT is indicated for those who are recent exposures to contagious Tuberculosis-contact investigation identified, Baseline laboratory testing and monitoring are obtained prior to initiating Isoniazid-Rifapentine therapy. This includes a recent chest x-ray, pregnancy testing in females of reproductive age, hepatitis profile, fourth-generation HIV testing, complete blood count and a liver function test. Monthly history, physical assessment and laboratory monitoring for signs and/or symptoms of adverse events are performed monthly in the clinic. To date there are a total of 21 clients initiated on this regimen throughout Delray and Northeast Clinics. This treatment method has enabled the clinician to successfully monitor the compliance of latent tuberculosis infection treatment. Three months of Isoniazid-Rifapentine therapy has the potential to make the World Health Organization slogan a reality.... "Unite To End TB".

LANTANA 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 three physicians, six 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 2017, the Lantana Health Center provided 10,638 prenatal visits to expectant mothers. Representing a 2% increase from the previous fiscal year, this volume also accounted for the largest amount of total improved pregnancy outcome visits of any health center within the Department. The success of this



maternity program can be attributed in part to the health center's strong, long-standing partnership with the Healthy Mothers Healthy Babies Coalition of Palm Beach County, Inc. and The Children's Services Council of Palm Beach County. Through this joint effort, the Lantana Health Center is able to offer patients the Centering Pregnancy Model.

This unique, evidenced-based, comprehensive model of care not only includes the clinical/medical aspect of pregnancy but also provides education, social support, and health promotion to participants in a group setting. By involving participants in their own care and offering a safe place for women to share knowledge and experiences with others, Lantana patient engagement has grown stronger. In fact, Lantana patient "no-show" rates for Centering during 2017 were 20% lower than the traditional maternity clinic. Additionally, recent evidence suggests that Lantana Centering patients have better prenatal knowledge, feel more ready for labor/delivery, are more satisfied with care, and initiate breastfeeding more often. As a result, Lantana Health Center will continue the commitment to improving birth outcomes and has future plans to expand the Centering model as a means of accomplishing this goal.

West Palm Beach Health Center and Satellite Clinic (Jupiter Health Center)

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, Gynecology, HIV care, Test and Treat, PrEP, Immunizations, and on site laboratory services. The health center also offers extended hours on Tuesdays for walk-in sexual health care and treatment. Childbirth education classes are held on Monday at 9 a.m for Spanish speaking clients and Tuesdays from 9 a.m. to noon for Creole speaking clients. The clinic provides legal aid services to the community every Tuesday at 1:30 p.m. 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.

Jupiter Health Center

Jupiter Health Center offers Immunizations and Maternity prenatal, post-partum care, and Family Planning Services. The Jupiter Clinic is looking to expand services in the next year to include Overseas Immunizations and Sexual Health.

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. The Northeast Health Clinic is looking to expand to offer more services to the surrounding community.

Comprehensive Nutrition Program- Annual Health Profile 2017

The Comprehensive Nutrition Program provides nutrition services in all the health centers and in the community. Registered and licensed dietitians provide Medical Nutrition Therapy (MNT) for clients in maternity, Infectious Disease Clinics, including HIV/AIDS and TB, family planning and women's health clinics. MNT, provided by Registered Dietitian Nutritionists, is a plan of care that focuses on the nutrition assessment, counseling, treatment and evaluation and continued monitoring of a patient or client.

The following details nutrition services received by health department clients in 2017:

- Nutrition Assessment/ Counseling --- 3,662
- Unduplicated number of clients ----- 2,092
- Case Management ----- 3,910
- Community Presentations ----- 35

Food security is a chronic problem in Palm Beach County and the Therapeutic Nutrition Treatment (TNT) program is a very successful initiative to address this health issue. Designed for HIV/AIDS clients it provides healthy foods tailored to



**In 2017
West Palm Beach
Health Center served
7,480 Clients, within
21,807 visits, and
provided
294,685 Services.**

The TNT program is viewed as a best practice by the Bureau of HIV/AIDS.

A program evaluation survey to assess program effectiveness and client satisfaction indicated that over 98% of HIV/AIDS clients rated the TNT program as excellent or good and over 50% reported trying new foods such as brown rice, sardines, canned salmon and olive oil.



In 2017, the Prudential Productivity Team Award was given to the Comprehensive Nutrition Program staff along with staff from the HIV/AIDS Program and the 1050 Service Center.

In 2017, the immunization program nurses administered:

- 22,161 vaccinations to 6,192 children from birth through 18 years of age under the Vaccine for Children Program,
- 16,481 immunizations to 6,957 adults.
- In 2017, during the 2 weeks prior to the start of school, the immunization program administered 3,375 vaccinations to 1,585 children.

Adult Programs

- In 2017, the travel immunization clinic administered 522 vaccinations to 341 adults.

their therapeutic dietary needs. HIV/AIDS clients who are seen by the nutritionist for MNT can receive up to \$35.00 toward healthy groceries on a monthly basis. The TNT program, funded by Part B of Ryan White, facilitates improved access to healthy foods and helps increase dietary compliance. An on-site therapeutic food pantry, including special foods for homeless clients, is maintained by the registered dietitian.

The Comprehensive Nutrition Program nutritionists worked closely with the Maternity and Family Planning Clinics to increase nutrition referrals for prenatal and interconceptual women.

- Providers were encouraged to refer all maternity clients to the nutritionist for medical nutrition therapy.
- Family planning clients, a focus area was maintaining or achieving a “healthy weight” and lifestyle. Clients were encouraged to make and keep nutrition appointments on a monthly basis to track weight loss and monitor nutrition goals.
- The nutrition component of Teen Clinic included Nutrition Resources for Teens, a teen-friendly nutrition curriculum that includes a healthy snacks options.
- Food demonstrations with healthy “rainbow wraps” were also a feature of Teen Clinic.

Community Immunization Services

Disease prevention and health promotion are two major goals of public health and the Health Department. The immunization program provides protection to children and adults of Palm Beach County for over 14 different diseases, and decreases the potential of disease outbreaks.

The Hepatitis Prevention Program administers Hepatitis A and B vaccines.

- 141 vaccinations were given to 101 adults who were considered high risk in the clinics and at outreach sites.

The Perinatal Hepatitis B program; case management services are offered to families and contacts of all mothers who are positive for Hepatitis B. Case management begins when a pregnant mother is identified as Hepatitis B positive and continues until the infants are protected from Hepatitis B by receiving all of their Hepatitis B vaccines and follow-up labs. The Perinatal Hepatitis B program provides education and support not only to mothers, but children, contacts, private medical providers, and to health department providers.

Health promotion and education is encouraged in every immunization clinic throughout the county before administering vaccinations. The children and adults are educated on the importance of vaccines, what vaccines will be administered, what diseases are prevented with the vaccines received during their visit, possible reactions to vaccines, and contact information for future appointments.

The immunization outreach program; trains new nurses and staff on the importance and proper techniques of vaccines, as well as the recommended schedule and school requirements for grade levels.

Palm Beach County Immunization Coalition host’s monthly interdisciplinary agency meetings with community partners to allow all agencies to be up to date with immunization information. The Immunization Program and the Immunization Coalition collaborate with Bethesda Hospital to provide an Annual Immunization Update for the community. The topic for the 2017 Immunization Update was “Vaccines Across the Lifespan.”



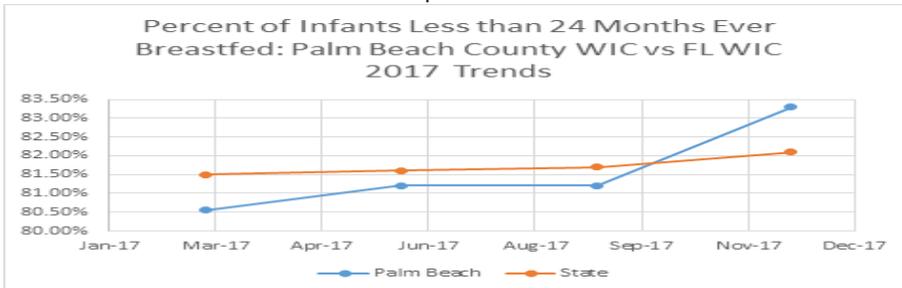
WIC, The Special Supplemental Nutrition Program for Women, Infants and Children is the premier community-based nutrition program. Its goal is to improve the health status of families by providing nutrition, breastfeeding and health education, nutritious foods and referrals to other health and human service programs.

WIC also has a unique component; The Loving Support Peer Counselor Program. New mothers may find the task of motherhood daunting, especially when it comes to breastfeeding. Palm Beach County WIC has five bilingual peer counselors from the local WIC population helping clients with basic breastfeeding support such as making a breastfeeding birth plan, getting started with breastfeeding, building and maintaining milk supply.

The efforts of the local peer counselors have greatly impacted breastfeeding indicators. During 2017, Palm Beach added a bilingual full time Peer Counselor and increased the hours of existing counselors. The increase in addition to various Breastfeeding Outreach events contributed to an increase of 2% in the subsequent quarters. The ongoing support of the peer counselors through follow up calls and referral systems to the International Board Certified Lactation Consultants (IBCLC) have encouraged clients to maintain their breastfeeding relationship. The program also experienced a 4% increase in the percent of infants currently breastfeeding. Palm Beach County WIC continuously achieved numbers above the state's average in the calendar year.

One client wrote this concerning a Peer Counselor who counseled her in 2017, "I was told by the pediatrician that formula should be given at night to sleep at least six hours. My counselor helped me understand breastfeeding better. I am happy with the support I got today because it is what I needed to be 100% breastfeeding my baby."

Peer counselors continue to be a vital part in WIC.



Percent of Infants in WIC less than 24 months Ever breastfed

	Mar-17	Jun-17	Sep-17	Dec-17
Palm Beach	80.56%	81.20%	81.20%	83.30%
State	81.50%	81.60%	81.70%	82.10%

Palm Beach County WIC Nutrition Education Contacts exceeded the state's average resulting in 97.7% of WIC High risk clients receiving the required nutrition education contacts per certification period. Nutrition education and Breastfeeding are considered benefits of the WIC Program and are available at no cost to all participants. WIC recipients must be offered at least two nutrition education sessions each time they are certified. Trained health educators provide topics selected for the specific needs of families, and the groups include interactive periods and responses from the parents. Participants are also instructed on how to deal with their own particular nutritional risks and those of their children. For example, pregnant women are encouraged to breastfeed unless it's not medically advisable. The sessions last about 20 minutes and are voluntary. The willingness to attend nutrition education at such a high rate attest to the value clients have placed on the WIC Nutrition Education.

Nutrition Education Contacts

High Risk	2016 ----96.72%	2017---- 97.76%
Low Risk	2016 ----96.46%	2017---- 96.15%

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 Program Specialists. 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.

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

Achieved:

1,285 Families Served in 2017

Metis and Associates conducted a multi-year evaluation of the Nurse-Family Partnership program; a key finding of the evaluation of the evaluation was that the Palm Beach County NFP program outperformed statewide and nationally in positive program outcomes concerning subsequent pregnancies; workforce participation; current immunizations; smoking during pregnancy and premature births.

In Palm Beach County, 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, and less child abuse, neglect and injuries.

Metis and Associates conducted a multi-year evaluation of the Prenatal Plus program. The Prenatal Plus program was shown to have statistically significant positive program impacts on length of gestation, full-term births, birth weight, and infant risk found in Year 3, the updated Year 4 analyses showed two additional statistically significant impacts. Specifically, in Year 4, Prenatal Plus participation was associated with improved adequacy of prenatal care and lower risk of probable depression in mothers. Updated Year 4 analyses also confirmed a statistically significant reduction in infant risk based on the continuous Healthy Start Infant Risk Screen (HSIRS) score. Most notably, a statistically significant impact was observed for seven of the ten intended outcome measures for Prenatal Plus over the two years studied.

Nurse-Family Partnership Program

The evidence based Nurse-Family Partnership, began in 2009 as a support program for families with newborns through two years. It is managed through the Florida Department of Health in Palm Beach County and funded through the Children's Services Council of Palm Beach County. 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.

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 program specialist, 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 experience a significantly higher average birth weight, a longer gestational period and lower scores on screenings for postnatal depression.

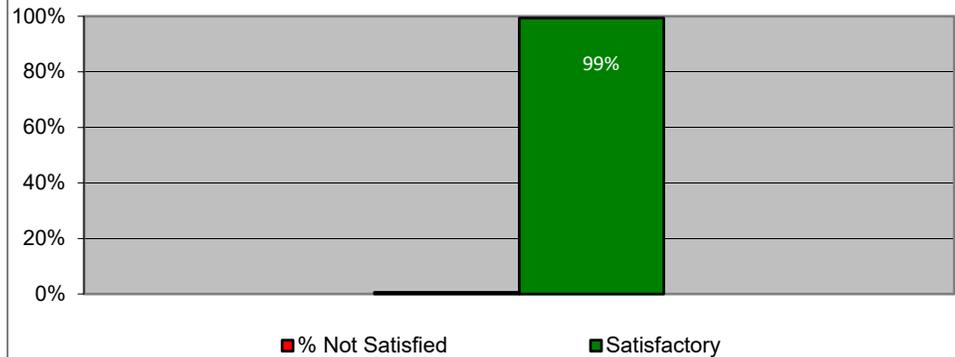


Quality Improvement

A new Palm Beach County Community Health Improvement Plan (CHIP) was released in June 2017. The CHIP is a collaborative effort by a diverse group of community partners and stakeholders that serves as a directional roadmap committed to improving the health and quality of life of Palm Beach County residents. The Community Health Assessment (CHA) for Palm Beach County identified the current health needs and emerging health issues facing the County. The CHIP is the plan to address several of these needs; it is an action plan, detailing intervention strategies, activities, how progress will be measured, and sources of data related to each measure. Based on the CHA results and the prioritization process of our community partners and stakeholders, the CHIP priority areas are:

- Mental and Behavioral Health
- Active Living and Healthy Lifestyles
- Access to Care and Services

DOH-PALM BEACH COUNTY 2017
Overall Satisfaction with Services Received



DOH-Palm Beach Overall Satisfaction
The chart above illustrates the results of the customer satisfaction surveys that were completed by our customers during April and May 2017. The chart gives us an overview of our customer's overall satisfaction with services received.

The Community Health Improvement Plan

“The Community Health Improvement Plan sets the direction for improving the health of our community,” said Dr. Alina Alonso, Director, DOH-Palm Beach. “It focuses us on the key areas with unmet health needs.” DOH-Palm Beach, along with our community partners, will continue to work on our CHIP priority areas over the next several years.

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.

In September, staff participated in the Hurricane Irma 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,
- Both special needs centers were fully operational,
- 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. Preparedness also provided regional support to the Region 7 All Hazards Incident Management Team by deploying staff and the Western Shelter Tent System to Monroe County post landfall. These tents are used as dormitories, office spaces, and an Incident Command Post.

Exercises prepare the staff and their respective community agency to better respond to real world events. After every exercise or real life event, an After Action Report and Improvement Plan is created so that best practices and areas for improvement can be collected and implemented. These exercises promote collaboration with key community partners such as the Healthcare Emergency Response Coalition, the Division of Emergency Management, Palm Beach County Fire Rescue, and the Palm Beach County Sheriff's Office.

Preparedness staff participated in several exercises:

- St. Lucie Nuclear Power Plant exercise,
- The statewide hurricane exercise,
- The Veteran's Affairs Sunshine Endeavor exercise.

The CRI program assisted in the annual Employee Flu Vaccination program by supporting Community Immunization Services with staff, logistical support, and exercise documentation utilizing the Point of Dispensing (POD) system. As a result, there was an increase in the number of employees who received their flu shot. The program also provided new efficiencies to the entire dispensing process.



PREVENTIVE MEDICINE/PUBLIC HEALTH RESIDENCY PROGRAM

2017/2018 was another successful year for the residency program. Jyothi Gunta MD, MPH, who will graduate in June 2018, led the Employee Infection Control taskforce and has completed a new manual as well as a surveillance system to ensure that all employees in the Health Department receive TB screenings, FIT testing, and needed immunizations. Peter Edemekong, MD, MPH has written several articles for publication on the medical website statperls. Dr. Edemekong and Solaide Akintade, MD, MS were also both elected to office in the resident physician section of the American College of Preventive Medicine (ACPM). Dr. Gunta and Dr. Edemekong both moderated sessions at the latest ACPM conference. Dr. Edemekong and Dr. Akintade both received six sigma green belt certification and both presented posters on their QI projects at the VAMC science day.



Our 2017 Graduates were Denise Josey, MD, MPH and Monees Syed MD, MPH. Dr. Josey just completed an addiction medicine fellowship. Dr. Syed currently works as medical director for an occupational medicine clinic in Jacksonville Florida. The 2018 Graduates are Jyothi Gunta MD, MPH and Damian Dyer MD MPH. Also pictured are several Alumni Doctors from the program: (l-r) Current Graduate and now Medical Director Jacksonville Clinic, Syed Monees, Nova Southeast University Medical School, James Howell, current resident Damien Dyer, Medical Director Health Care District of Palm Beach County, Belma Andric, DOH-Palm Beach Assistant Director Robert Parkes, Department of Health, Rocio Loor, C.L. Brumback Primary Care Clinic, Sandra Warren, Vladimir Senatorov, State Surgeon General Celeste Phillip, DOH Palm Beach Director, Alina Alonso, Epidemiologist Retired, Savita Kumar, 2018 graduate Jyothi Gunta, 2017 Graduate Denise Josey, Residency Program Director Shoshana Levy..





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