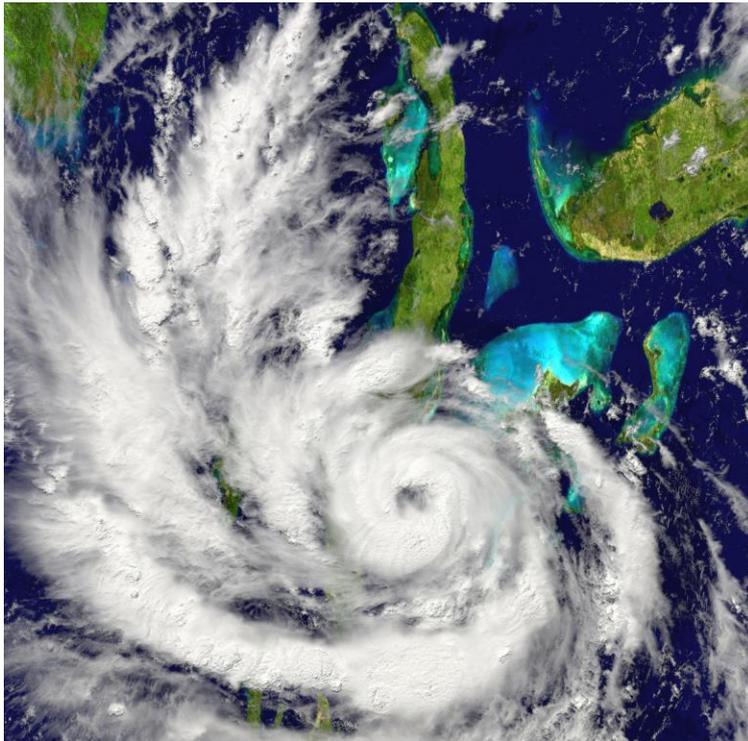


# Health Protection

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- ❑ Prevent and control infectious diseases.
- ❑ Prevent and reduce illness, injury and death related to environmental factors.
- ❑ Minimize loss of life, illness and injury from natural or man-made disasters.
- ❑ Prevent and reduce unintentional and intentional injuries.

# STD / HIV Overview

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Kira Villamizar

Public Health Services Manager,  
Florida Department of Health in  
Miami-Dade County



# STD/HIV Overview

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- The STD/HIV Prevention Program serves our community and visitors by reducing the incidence of Sexually Transmitted Diseases by:
  - Linking care to infected individuals and their partner(s)
  - Providing prevention programs
  - Testing
  - Diagnosing
  - Treating



# STD/HIV Overview

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- The STD/HIV Prevention program is committed to collaborating with our stakeholders to improve the quality of STD/HIV Prevention services in Miami-Dade County. These activities include:
  - Assisting contracted providers with establishing and providing services that align best practices and fulfill programmatic and contractual obligations.
  - Providing technical assistance to service providers to promote quality HIV prevention services to the residents of Miami-Dade.
  - Promote awareness and education in the community by implementing HIV/AIDS prevention behavioral models to target adults in high incidence areas of Miami Dade.
  - Using current surveillance, demographic, and programmatic information to plan, implement and monitor HIV prevention.
  - Partner with AIDS Service Organizations and Community Based Organizations to promote HIV testing in the community and expand targeted efforts to prevent HIV infection by using a combination of effective, evidence-based approaches.

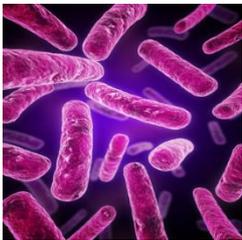
# STD/HIV Overview

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- Conducting disease intervention and programmatic activities including Syphilis elimination, infertility prevention, community-based screenings, media campaigns, public education, partner services, linkage to other services including HIV patient care(i.e.,. Test and Treat), PrEP, prenatal and family planning, and training for clinicians and county health department staff.
- Assuring the delivery of STD control and preventive services through the STD clinics
- Working in collaboration with physicians, laboratories, hospitals, and other health care providers to eliminate occurrence of sexually transmitted diseases in Miami Dade County.

# Tuberculosis, Epidemiology, Disease Control and Immunization Services (TB-EDC-IS)

Reynald Jean, MD, MPH, MSN, AGPCNP-BC  
Director of Tuberculosis and Epidemiology  
Florida Department of Health in Miami-Dade  
County



# Tuberculosis (TB)

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## The Tuberculosis Control and Prevention Program (TB Program)

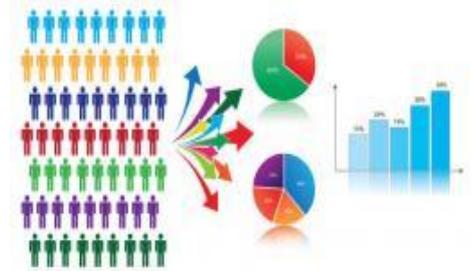
- ❑ Works to identify, treat, and prevent the spread of tuberculosis disease in Miami-Dade County.
- ❑ This is accomplished through providing education, TB targeted testing, chest x-rays, case management, treatment for latent TB infections and TB disease, including directly observed therapy and conducts TB contact investigations.
- ❑ Medical clearance, clinical diagnosis and treatment services are available to all residents and (visitors) of Miami-Dade County at three TB clinic locations
  1. **HP 1.2.3 TB Incidence per 100,000 population**
  2. **HP 1.2.4 Percent of treatment rate for active TB cases**
  3. **HP 1.2.6 Percent of TB cases completing therapy within 12 months**



# Epidemiology, Disease Control, Immunization Services (EDC-IS)

## The Epidemiology and Disease Control Program

- Monitors and investigates infections for more than 80 different diseases, animal bites, outbreaks and other threats to public health.
- Works diligently to protect and promote the health of Miami-Dade County residents and visitors from communicable disease and vaccine preventable diseases.
- This is accomplished through the operations of public health surveillance, field investigations, health assessments, emergency preparedness activities, epidemiologic studies, administering immunization, and providing various informational and educational materials
- Information is used to identify Miami-Dade County residents and visitors at increased health risk, to assess causality and to recommend preventive measures to decrease the burden of vaccine preventable disease, communicable diseases and injury.



# EDC-IS

## EPI Surveillance Program

- has the primary responsibility to conduct surveillance and control activities of communicable diseases listed in Chapter 64D-3 of the Florida Administrative Code (other than TB, STD, and AIDS) and those unlisted but still posing a threat to public health.

### 1. HP 1.2.7 Rate of enteric disease cases

### 2. HP 1.1.5 Number of confirmed cases of Haemophilus Influenza type B

### 3. HP Number of confirmed cases of measles in the county



## HIV/AIDS Surveillance

- Collects, analyzes, and shares data which is used to plan, implement, and evaluate interventions. The HIV/AIDS surveillance unit generates reports in order to assist in the prevention and control of the HIV/AIDS epidemic and to maintain the Miami-Dade county community informed of the new trends for HIV and AIDS.

### 1. AIDS case rate

### 2. New HIV infections per 100,000 in Miami-Dade



## Perinatal HIV Prevention

## Medical Monitoring Project

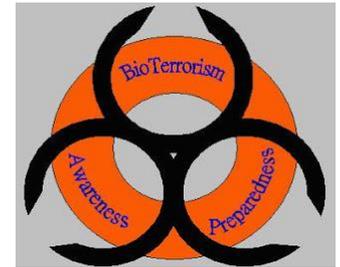
# EDC-IS

## Bioterrorism

- The Bioterrorism Unit is actively implementing several public health preparedness projects to ensure that the health of our community is protected during a natural or bioterrorism related event.

## Clinical Laboratory

- Performs all the tests for the clinical programs.



## Childhood Lead and Asthma Prevention Program

- Goal is to increase primary prevention activities and lead screening among children at high risk to lead poisoning
- Surveillance
- Screening
- Community Outreach Education and Training
- Education and Presentations
- Health Fairs
- Case Management



# Applied Epidemiology & Research

## Syndromic Surveillance

- Syndromic surveillance is a system used for the early detection of disease outbreaks due to a natural or bioterrorism event.

## Injury Surveillance

- Conducting surveillance to help protect the safety of our residents.

## Maternal and Child Health

- Maternal and Child Health collaborates with the Office of Women's Health and Prevention Services as well as the Office of Vital Statistics. We analyze birth certificates, infant death and fetal death certificates. We also work closely with Healthy Start to gather data for the Black Infant Health Initiative and evaluate programs such as the MOMmobile.

## Epidemiology and Data Management

- Advises staff on methodology for designing epidemiology projects
- Develops and maintains databases for all programs
- Performs data analysis using SAS and SPSS for surveillance, research projects and reports
- Creates maps using the Geographic Information System (GIS)
- Prepares monthly and annual epidemiology and vital statistics reports
- Performs quality control processing

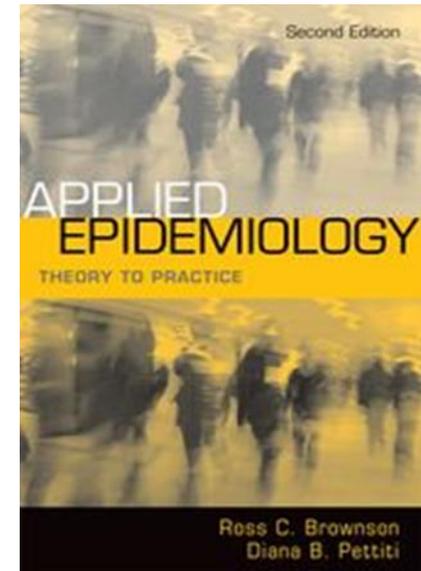
## Health Education

- Edits and disseminates Epi Monthly Report
- Develops health education materials
- Coordinates Journal Club Presentations
- Aids MPH interns
- Provides presentations for the general public and health care professionals

## Epidemiology and Data Management

- Develops and maintains databases for all programs
- Provides database technical assistance
- Performs data analysis using SAS and SPSS for surveillance, research projects and reports
- Creates maps using the Geographic Information System (GIS)
- Prepares monthly and annual epidemiology and vital statistics reports

## Assistance to Other Health Department Programs & the general public



# Immunization Services

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## Immunization Services

The Immunization Program provides immunizations for children and adults. We have four clinic locations, three of which offer vaccines to both children and adults and one that only services children. We offer vaccines to protect against the vaccine preventable diseases.

1. **HP 1.1.1 Percent of two-year olds immunized**
2. **HP 1.1.3 Immunization levels in two-year old children by DOH Miami-Dade clinics**

## The Hepatitis Program

is responsible for conducting surveillance of viral hepatitis cases reported in Miami-Dade County to detect outbreaks and ensure that control measures are implemented to prevent the spread of infectious hepatitis in our community. In addition to surveillance, we have various programs located throughout Miami-Dade County where we offer clinical services including hepatitis testing and hepatitis A and B vaccines to those considered at high-risk for the virus.

- Surveillance
- Case Management
- Jail initiative
- Education & Community Outreach



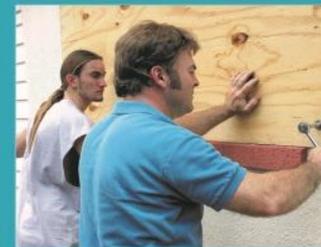
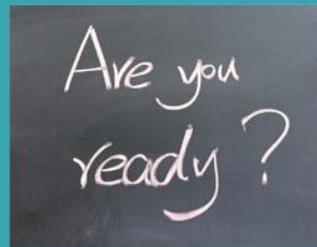
# Public Health Preparedness



Natasha Strokin

Director of Public Health  
Preparedness and Facilities,  
Florida Department of Health in  
Miami-Dade County

# Public Health Preparedness Program



# Preparedness Activities

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## □ **PHPP Initiatives**

- **All-Hazards Planning**
- **Special Needs Evacuation Shelter Coordination**
- **Cities Readiness Initiative**
- **Medical Reserve Corps**
- **Respiratory Protection Fit Testing**
- **Comprehensive Emergency Management Plan approval**

## □ **Additional Activities**

- **Lead Agency for Emergency Support Function 8**
- **Active in Southeast Florida Regional Domestic Security Task Force**
- **Healthcare Preparedness Coalition Leadership**

# Planning Into Practice

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**We document lessons learned from exercises and real world events to improve capabilities and capacity to respond**

## **Recent Events:**

- **2015 Tropical Storm Erika**
- **2016 Special Needs Shelter Exercise**
- **2016 WHPS COOP Activation**
- **2016 Hurricane Matthew**

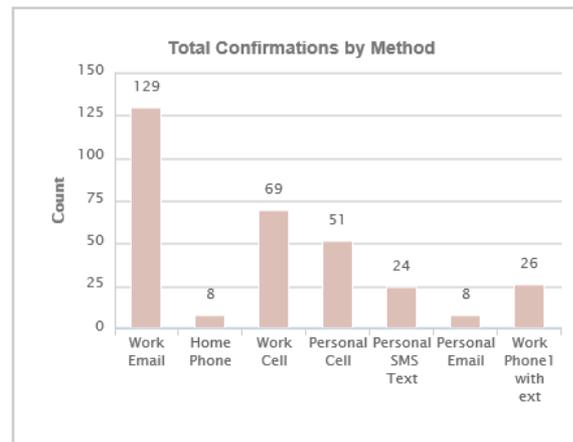
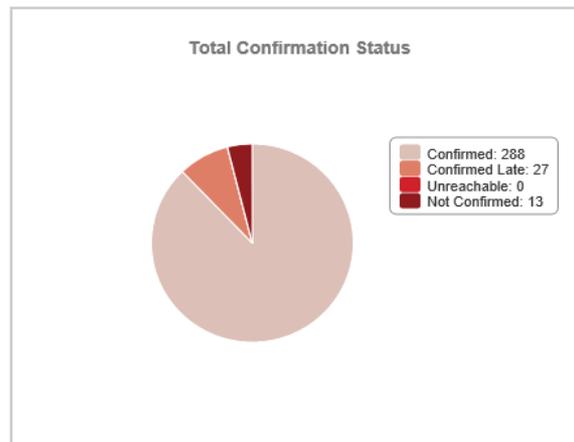


*CHIP Indicator: 3.1.1 – By Dec. 31, 2017, complete After Action Report (AAR) and Improvement Plan (IP) following an exercise or real incident.*

# Notification & Responder Readiness

**Electronic notification is used to rapidly share valuable information with our leadership, team members, Medical Reserve Corps volunteers, and healthcare partners.**

## September 2015 – October 2016 Results



CHIP Indicator: 3.2.1 – Annually, ensure pre-identified staff covering Public Health and Medical incident management command roles can report to duty within 60 minutes or less.

# Coordination & Quality Improvement

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We are continuously learning and participate in both accreditation and continuous Improvement projects within the DOH.

## Recent Activities

- **Project Public Health Ready Re-recognition**
- **Governor's Sterling Award**
- **Public Health Accreditation Board**

*CHIP Indicator: 3.3.1 – By Dec. 31, 2017, achieve and maintain DOH-Miami-Dade Public Health Preparedness Strategic Plan alignment with Florida Public Health and Health Care Preparedness Strategic Plan.*

# Communication and Warning

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**We work to build resilience and protect our community by providing accurate and timely public information and warning.**

## **Recent Activities**

- **2014 CRI Full-Scale Exercise**
- **2015 Ebola**
- **2016 Measles**
- **2016 Dengue**
- **2016 Zika Response**
- **2017 BioWatch Risk Communication Workshop**

*CHIP Indicator: 3.6.1 – By June 30, 2017, disseminate a first risk communication message for the public during an exercise or a real incident in Miami-Dade*

# Collaboration

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**We recognize the critical role our partners play in any public health response. We regularly communicate, train, and exercise with a variety of community stakeholders.**

## **Recent Activities**

- 2015 Turkey Point Exercise
- 2015 School BMI Checks
- 2015 Ebola Response
- 2015 Tropical Storm Erika
- 2016 Special Needs Shelter Exercise
- 2016 Zika Response
- 2016 Hurricane Matthew
- 2017 Turkey Point Exercise
- 2017 Special Needs Shelter Exercise

*CHIP Indicator: 3.6.2 – By June 30, 2017, increase the number of community sectors, in which DOH-Miami-Dade partners participate in significant public health, medical, and mental or behavioral health-related emergency preparedness efforts or activities, from 0 to 11.*

# Environmental Health and Engineering Overview

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Tyna Webb, BS CEHP  
Environmental Manager,  
Florida Department of Health in  
Miami-Dade County



# Environmental Health- Mission

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“To detect and prevent disease caused by natural and manmade factors in the environment.”

# Environmental Health- CHIP

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- HP 2.1.1-Environmental Public Health Performance assessment completed and an action plan developed.
- HP 2.1.2-Protocol for Assessing Community Excellence in Environmental Health implemented
- HP 2.2.1-Percent of illness outbreaks associated with a regulated facility has an environmental assessment or inspection done within 48 hours of initial outbreak report
- HP 2.3.1-Percent of public water systems have no significant health drinking water quality problems
- HP 2.3.2-Percent of inspections completed

# Key Programs



Public Drinking Water Systems



Public Swimming Pools



On Site Treatment & Disposal Systems

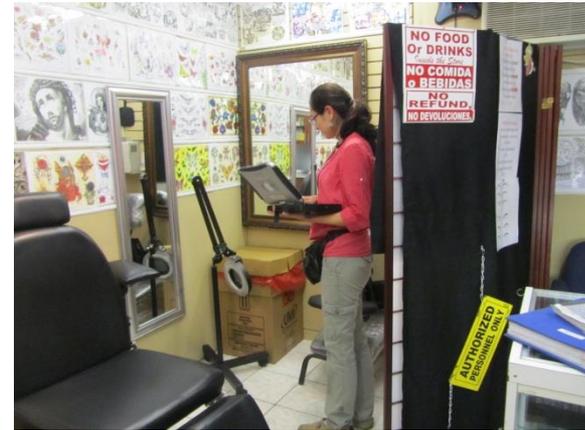


Florida Healthy Beaches

# Key Programs



Food/Group Care



Biomedical Waste



Mobile Home Parks



Migrant Camp

# Support Functions

- ❑ Public Health Preparedness
- ❑ Epidemiology Investigations
- ❑ Community Outreach
- ❑ Environmental Health Assessments
- ❑ On-Call Services
- ❑ Research/Studies



# Main Activities



Permits/Plan Reviews



Education/Training



Complaint Investigations



Inspections



EH Advisories

# Key Partners & Stakeholders

- ❑ General Public
- ❑ Federal, state, and local entities
- ❑ Media
- ❑ Universities & Colleges
- ❑ Facility clients



# Significant Environmental Public Health Investigations/Assessments

Drinking water contamination in private wells



Soil contamination in community parks



Rodent infestation at Correctional Facilities



Zika Assessments



# Environmental Health and Engineering

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Golden Glades Office

1725 NW 167 ST

Miami Gardens, FL 33056

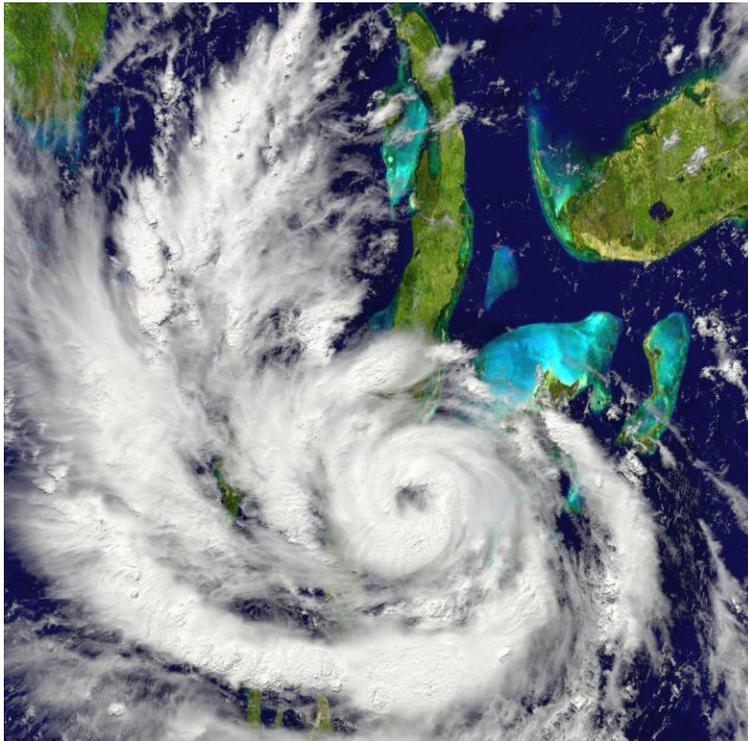
Phone: (305) 623-3500

Fax: (305) 623-3645



# Health Protection

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