



Florida Department of Health Palm Beach County

Division of Epidemiology and Communicable Diseases

Epidemiology Program

800 Clematis Street – 2nd floor

West Palm Beach, FL 33401

(561) 671-4184

Disease Surveillance Report

Fourth Quarter - 2014

October 1 – December 31, 2014

Send inquiries or corrections to: Denise Bassaline, Human Services Program Consultant

Phone: (561) 671-4184 Fax: (561) 837-5330 E-mail: Denise.Bassaline@flhealth.gov

Note: Data indicated is provisional

**Reportable Communicable Diseases and Conditions
Palm Beach County, Florida
October – December 31, 2014**

| | Cases During Oct to Dec 2014 | Cumulative Cases For 2014 | Cumulative Cases Same Time Last Year |
|---|---|--|---|
| CENTRAL NERVOUS SYSTEM AND INVASIVE DISEASE: | | | |
| H. influenzae Invasive Disease | 3 | 17 | 21 |
| Meningococcal Disease | 1 | 4 | 2 |
| Listeriosis | 4 | 7 | 4 |
| S. pneumoniae Invasive Disease, Drug-Resistant | 1 | 20 | 40 |
| S. pneumoniae Invasive Disease, Drug-Susceptible | 1 | 13 | 39 |
| Streptococcus Invasive Disease (Group A) | 0 | 13 | 29 |
| Meningitis, Bacterial or Mycotic | 3 | 9 | 12 |
| West Nile Virus Neuroinvasive Disease | 0 | 0 | 0 |
| West Nile Virus Non-Neuroinvasive Disease | 0 | 0 | 0 |
| Creutzfeldt-Jakob Disease (CJD) | 0 | 0 | 1 |
| Influenza-Associated Pediatric Mortality | 0 | 0 | 1 |
| S. aureus Infection, Intermediate Resistance to Vancomycin (VISA) | 0 | 0 | 3 |
| VACCINE PREVENTABLE DISEASES: | | | |
| Measles | 0 | 0 | 0 |
| Mumps | 0 | 0 | 1 |
| Pertussis | 2 | 14 | 34 |
| Rubella | 0 | 0 | 0 |
| Rubella, Congenital | 0 | 0 | 0 |
| Tetanus | 0 | 0 | 0 |
| Varicella (Chickenpox) | 6 | 25 | 21 |
| HEPATITIS: | | | |
| Hepatitis A | 2 | 6 | 6 |
| Hepatitis B, Acute | 7 | 23 | 22 |
| Hepatitis B, Chronic | 95 | 368 | 329 |
| Hepatitis B, HBsAg in Pregnant Women | 13 | 17 | 78 |
| Hepatitis B, Perinatal | 0 | 0 | 0 |
| Hepatitis C, Acute | 1 | 10 | 16 |
| Hepatitis C, Chronic | 488 | 1814 | 1799 |
| ENTERIC DISEASES: | | | |
| Campylobacteriosis | 45 | 198 | 176 |
| Cryptosporidiosis | 15 | 47 | 32 |
| Cyclosporiasis | 0 | 2 | 1 |
| Giardiasis, Acute | 23 | 112 | 79 |
| Salmonellosis | 131 | 436 | 384 |
| Shiga Toxin-Producing E. coli (STEC) Infection | 11 | 35 | 41 |
| Shigellosis | 72 | 335 | 38 |
| Typhoid Fever (Salmonella serotype Typhi) | 0 | 2 | 1 |
| Cholera (Vibrio cholerae, Type O1) | 0 | 0 | 0 |
| Vibriosis (Vibrio cholerae, Type Non-O1) | 0 | 0 | 2 |
| Vibriosis (Vibrio alginolyticus) | 1 | 5 | 2 |
| Vibriosis (Vibrio fluvialis) | 0 | 2 | 2 |
| Vibriosis (Grimontia hollisae) | 0 | 0 | 1 |
| Vibriosis (Vibrio mimicus) | 0 | 0 | 0 |
| Vibriosis (Vibrio parahaemolyticus) | 0 | 1 | 5 |
| Vibriosis (Vibrio vulnificus) | 0 | 0 | 0 |
| Vibriosis (Other Vibrio Species) | 0 | 1 | 1 |
| OTHER DISEASES: | | | |
| Rabies, Animal | 1 | 9 | 16 |
| Rabies, Possible Exposure | 26 | 133 | 169 |
| Animal bites/exposure of a human - number reported to PBC Animal Care and Control | 635 | 2577 | 2756 |
| Herpes B Virus, Possible Exposure | 0 | 1 | 1 |
| Carbon Monoxide Poisoning | 3 | 18 | 31 |
| Chikungunya Fever | 12 | 49 | 0 |
| Ciguatera Fish Poisoning | 0 | 8 | 0 |
| Dengue Fever | 4 | 10 | 14 |
| Lead Poisoning | 8 | 41 | 34 |
| Legionellosis | 6 | 23 | 26 |
| Lyme Disease | 5 | 14 | 7 |
| Malaria | 1 | 4 | 6 |
| Mercury Poisoning | 0 | 5 | 0 |
| Pesticide-Related Illness Or Injury, Acute | 13 | 14 | 5 |
| Psittacosis (Ornithosis) | 1 | 1 | 0 |
| Rocky Mountain Spotted Fever or Spotted Fever Rickettsiosis | 0 | 1 | 1 |
| Tularemia | 0 | 0 | 1 |

Source of Data: Florida Department of Health Palm Beach County
Division of Epidemiology and Communicable Diseases
Epidemiology Program

**Summary of Food and Water-Related Complaints and Investigations
Palm Beach County, Florida
October 1 – December 31, 2014**

| | FOURTH QUARTER 2014 | CUMULATIVE 2014 | CUMULATIVE NUMBERS SAME TIME PREVIOUS YEAR |
|---|------------------------------------|----------------------------|---|
| NUMBER OF COMPLAINTS | 49 | 236 | 200 |
| NUMBER OF OUTBREAKS | 2 | 8 | 5 |
| SUSPECT | 0 | 2 | 1 |
| CONFIRMED | 2 | 6 | 4 |
| NUMBER ILL | 65 | 510 | 372 |
| NUMBER OF ENVIRONMENTAL HEALTH INSPECTIONS | 28 | 125 | 80 |

Source of Data: Florida Department of Health Palm Beach County
Division of Environmental Public Health

**AIDS Cases Among Adult and Adolescent Males
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
Cumulative 1980 – December 31, 2014**

| Exposure Category | White | | Black | | Hispanic | | Other Race/Ethnicity | | Total | |
|--------------------------------|-------------|------------|-------------|------------|------------|------------|----------------------|------------|-------------|------------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Male to male contact | 1858 | 76 | 959 | 22 | 399 | 46 | 68 | 50 | 3284 | 43 |
| Injection drug user (IDU) | 160 | 7 | 514 | 12 | 102 | 12 | 13 | 10 | 789 | 10 |
| Male to male contact / IDU | 173 | 7 | 148 | 3 | 34 | 4 | 8 | 6 | 363 | 5 |
| Hemophiliac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heterosexual contact | 113 | 5 | 2035 | 48 | 241 | 28 | 35 | 26 | 2424 | 31 |
| Transfusion related | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| None of the above | 149 | 6 | 610 | 14 | 90 | 10 | 12 | 9 | 861 | 11 |
| All Exposure Categories | 2453 | 100 | 4266 | 100 | 866 | 100 | 136 | 100 | 7721 | 100 |

**AIDS Cases Among Adult and Adolescent Females
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
Cumulative 1980 – December 31, 2014**

| Exposure Category | White | | Black | | Hispanic | | Other Race/Ethnicity | | Total | |
|--------------------------------|------------|------------|-------------|------------|------------|------------|----------------------|------------|-------------|------------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Injection drug user (IDU) | 183 | 36 | 427 | 14 | 50 | 18 | 13 | 19 | 673 | 18 |
| Hemophiliac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heterosexual contact | 250 | 50 | 2217 | 75 | 189 | 70 | 54 | 78 | 2710 | 71 |
| Transfusion related | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| None of the above | 71 | 14 | 327 | 11 | 32 | 12 | 2 | 3 | 432 | 11 |
| All Exposure Categories | 504 | 100 | 2971 | 100 | 271 | 100 | 69 | 100 | 3815 | 100 |

Note: Percentages may not add up to 100% due to rounding.

Source of Data: Florida Department of Health
Division of Disease Control and Health Protection
Bureau of Communicable Diseases
HIV/AIDS and Hepatitis Section
Surveillance Unit

**AIDS Cases Among Adult and Adolescent Males
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
October 1 – December 31, 2014**

| Exposure Category | White | | Black | | Hispanic | | Other Race/Ethnicity | | Total | |
|--------------------------------|----------|------------|-----------|------------|----------|------------|----------------------|----------|-----------|------------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Male to male contact | 4 | 57 | 2 | 17 | 3 | 100 | 0 | 0 | 9 | 41 |
| Injection drug user (IDU) | 1 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| Male to male contact / IDU | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hemophiliac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heterosexual contact | 0 | 0 | 6 | 50 | 0 | 0 | 0 | 0 | 6 | 27 |
| Transfusion related | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| None of the above | 2 | 29 | 4 | 33 | 0 | 0 | 0 | 0 | 6 | 27 |
| All Exposure Categories | 7 | 100 | 12 | 100 | 3 | 100 | 0 | 0 | 22 | 100 |

**AIDS Cases Among Adult and Adolescent Females
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
October 1 – December 31, 2014**

| Exposure Category | White | | Black | | Hispanic | | Other Race/Ethnicity | | Total | |
|--------------------------------|----------|------------|-----------|------------|----------|------------|----------------------|----------|-----------|------------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Injection drug user (IDU) | 2 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 13 |
| Hemophiliac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heterosexual contact | 0 | 0 | 9 | 90 | 1 | 33 | 0 | 0 | 10 | 67 |
| Transfusion related | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| None of the above | 0 | 0 | 1 | 10 | 2 | 67 | 0 | 0 | 3 | 20 |
| All Exposure Categories | 2 | 100 | 10 | 100 | 3 | 100 | 0 | 0 | 15 | 100 |

Note: Percentages may not add up to 100% due to rounding.

Source of Data: Florida Department of Health
Division of Disease Control and Health Protection
Bureau of Communicable Diseases
HIV/AIDS and Hepatitis Section
Surveillance Unit

Pediatric AIDS Cases
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
Cumulative 1980 – December 31, 2014

| Exposure Category | White | | Black | | Hispanic | | Other Race/Ethnicity | | Total | |
|--------------------------------|----------|------------|------------|------------|-----------|------------|----------------------|------------|------------|------------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Perinatal exposure | 5 | 83 | 179 | 95 | 25 | 93 | 1 | 100 | 210 | 94 |
| Other | 1 | 17 | 10 | 5 | 2 | 7 | 0 | 0 | 13 | 6 |
| All Exposure Categories | 6 | 100 | 189 | 100 | 27 | 100 | 1 | 100 | 223 | 100 |

Pediatric HIV Cases
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
Cumulative 1980 – December 31, 2014

| Exposure Category | White | | Black | | Hispanic | | Other Race/Ethnicity | | Total | |
|--------------------------------|----------|------------|-----------|------------|----------|------------|----------------------|----------|-----------|------------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Perinatal exposure | 5 | 100 | 30 | 97 | 5 | 83 | 0 | 0 | 40 | 95 |
| Other | 0 | 0 | 1 | 3 | 1 | 17 | 0 | 0 | 2 | 5 |
| All Exposure Categories | 5 | 100 | 31 | 100 | 6 | 100 | 0 | 0 | 42 | 100 |

Note: Percentages may not add up to 100% due to rounding.

Source of Data: Florida Department of Health
 Division of Disease Control and Health Protection
 Bureau of Communicable Diseases
 HIV/AIDS and Hepatitis Section
 Surveillance Unit

**HIV Cases Among Adult and Adolescent Males
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
Cumulative July 1, 1997 – December 31, 2014**

| Exposure Category | White | | Black | | Hispanic | | Other Race/Ethnicity | | Total | |
|--------------------------------|------------|------------|-------------|------------|------------|------------|----------------------|------------|-------------|------------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Male to male contact | 612 | 76 | 365 | 34 | 207 | 60 | 19 | 37 | 1203 | 53 |
| Injection drug user (IDU) | 31 | 4 | 53 | 5 | 12 | 3 | 2 | 4 | 98 | 4 |
| Male to male contact / IDU | 34 | 4 | 12 | 1 | 11 | 3 | 3 | 6 | 60 | 3 |
| Hemophiliac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heterosexual contact | 52 | 6 | 520 | 48 | 67 | 19 | 19 | 37 | 658 | 29 |
| Transfusion related | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| None of the above | 74 | 9 | 137 | 13 | 48 | 14 | 8 | 16 | 267 | 12 |
| All Exposure Categories | 803 | 100 | 1087 | 100 | 345 | 100 | 51 | 100 | 2286 | 100 |

**HIV Cases Among Adult and Adolescent Females
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
Cumulative July 1, 1997 – December 31, 2014**

| Exposure Category | White | | Black | | Hispanic | | Other Race/Ethnicity | | Total | |
|--------------------------------|------------|------------|-------------|------------|------------|------------|----------------------|------------|-------------|------------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Injection drug user (IDU) | 48 | 24 | 38 | 4 | 10 | 7 | 3 | 19 | 99 | 7 |
| Hemophiliac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heterosexual contact | 126 | 63 | 865 | 85 | 105 | 78 | 12 | 75 | 1108 | 81 |
| Transfusion related | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| None of the above | 27 | 13 | 116 | 11 | 20 | 15 | 1 | 6 | 164 | 12 |
| All Exposure Categories | 201 | 100 | 1019 | 100 | 135 | 100 | 16 | 100 | 1371 | 100 |

Note: Percentages may not add up to 100% due to rounding.

Source of Data: Florida Department of Health
Division of Disease Control and Health Protection
Bureau of Communicable Diseases
HIV/AIDS and Hepatitis Section
Surveillance Unit

**HIV Cases Among Adult and Adolescent Males
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
October 1 – December 31, 2014**

| Exposure Category | White | | Black | | Hispanic | | Other Race/Ethnicity | | Total | |
|--------------------------------|-----------|------------|-----------|------------|-----------|------------|----------------------|----------|-----------|------------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Male to male contact | 12 | 41 | 13 | 43 | 7 | 58 | 0 | 0 | 32 | 45 |
| Injection drug user (IDU) | 1 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 2 | 3 |
| Male to male contact / IDU | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| Hemophiliac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heterosexual contact | 2 | 7 | 9 | 30 | 1 | 8 | 0 | 0 | 12 | 17 |
| Transfusion related | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| None of the above | 12 | 41 | 7 | 23 | 4 | 33 | 0 | 0 | 23 | 32 |
| All Exposure Categories | 29 | 100 | 30 | 100 | 12 | 100 | 0 | 0 | 71 | 100 |

**HIV Cases Among Adult and Adolescent Females
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
October 1 – December 31, 2014**

| Exposure Category | White | | Black | | Hispanic | | Other Race/Ethnicity | | Total | |
|--------------------------------|----------|------------|-----------|------------|----------|------------|----------------------|----------|-----------|------------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Injection drug user (IDU) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hemophiliac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heterosexual contact | 2 | 100 | 16 | 76 | 1 | 33 | 0 | 0 | 19 | 73 |
| Transfusion related | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| None of the above | 0 | 0 | 5 | 24 | 2 | 67 | 0 | 0 | 7 | 27 |
| All Exposure Categories | 2 | 100 | 21 | 100 | 3 | 100 | 0 | 0 | 26 | 100 |

Note: Percentages may not add up to 100% due to rounding.

Source of Data: Florida Department of Health
Division of Disease Control and Health Protection
Bureau of Communicable Diseases
HIV/AIDS and Hepatitis Section
Surveillance Unit

**Cases of Tuberculosis in Palm Beach County by Race/Ethnicity
Palm Beach County, Florida
October 1 – December 31, 2014**

| RACE/ETHNICITY | 4th QTR 2014 | YTD 2014 | 4th QTR 2013 | YTD 2013 |
|---|-------------------------|---------------------|-------------------------|---------------------|
| WHITE | 11 | 27 | 5 | 20 |
| BLACK | 4 | 22 | 7 | 31 |
| HISPANIC (also counted in White) | 8 | 21 | 2 | 11 |
| OTHER | 0 | 1 | 1 | 4 |
| TOTAL | 15 | 50 | 13 | 55 |

**Cases of Tuberculosis by HIV Co-Infection, Site of Disease and Multi-Drug Resistance
Palm Beach County, Florida
October 1 – December 31, 2014**

| | 4th QTR 2014 | YTD 2014 | 4th QTR 2013 | YTD 2013 |
|---|-------------------------|---------------------|-------------------------|---------------------|
| CO-INFECTION | 2 | 9 | 1 | 12 |
| PULMONARY | 10 | 41 | 11 | 44 |
| EXTRA PULMONARY | 5 | 9 | 2 | 7 |
| MULTI-DRUG RESISTANCE | 1 | 1 | 0 | 0 |
| BOTH PULMONARY & EXTRA PULMONARY | 0 | 0 | 0 | 4 |

**Cases of Tuberculosis by US Born and Foreign Born
Palm Beach County, Florida
October 1 – December 31, 2014**

| | 4th QTR 2014 | YTD 2014 | 4th QTR 2013 | YTD 2013 |
|---------------------|-------------------------|---------------------|-------------------------|---------------------|
| US BORN | 3 | 14 | 4 | 16 |
| FOREIGN BORN | 12 | 36 | 9 | 39 |
| TOTAL | 15 | 50 | 13 | 55 |

Source of Data: Florida Department of Health Palm Beach County
Division of Epidemiology and Communicable Diseases
TB Program

**Cases of Sexually Transmitted Diseases by Sex
Palm Beach County, Florida
October 1 – December 31, 2014**

| | Males | Females | Total | Percent |
|-------------------------------------|--------------|----------------|--------------|----------------|
| Primary Syphilis | 5 | 0 | 5 | 7% |
| Secondary Syphilis | 14 | 0 | 14 | 19% |
| Total Infectious Syphilis | 19 | 0 | 19 | |
| Early Latent Syphilis | 26 | 2 | 28 | 39% |
| Late Latent Syphilis | 0 | 0 | 0 | 0 |
| Syphilis of Unknown Duration | 14 | 9 | 23 | 32% |
| Congenital Syphilis | 0 | 2 | 2 | 3% |
| Total Syphilis | 59 | 13 | 72 | 100% |
| Gonorrhea | 149 | 107 | 256 | |
| Chlamydia | 352 | 916 | 1268 | |

Note: Percentages may not add up to 100% due to rounding.

Source of Data: Florida Department of Health Palm Beach County
Division of Epidemiology and Communicable Diseases
Sexually Transmitted Disease Program

HIV Testing*
Palm Beach County, Florida
October 1 – December 31, 2014

| | 4th Quarter 2014 | YTD 2014 | 4th Quarter 2013 | YTD 2013 |
|-----------------------|-----------------------------|---------------------|-----------------------------|---------------------|
| # HIV Tested | 763 | 10,634 | 4,161 | 19,341 |
| # HIV Positive | 8 | 74 | 36 | 152 |
| % HIV Positive | 1.05% | 0.70% | 0.87% | 0.79% |

*Clients serviced at Florida Department of Health Palm Beach County only. May not include field visits or counseling and testing conducted in correctional facilities by STD staff.

For further information, contact Derrick Gibson at (850) 245-4444, ext. 3796.

Source of Data: Derrick Gibson
 Florida Department of Health
 Bureau of Communicable Diseases
 HIV/AIDS and Hepatitis Section