



Florida Department of Health Palm Beach County

Division of Epidemiology and Communicable Diseases

Epidemiology Program

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West Palm Beach, FL 33401

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Disease Surveillance Report

Fourth Quarter - 2015

October 1 – December 31, 2015

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Note: Data indicated is provisional

Reportable Communicable Diseases and Conditions
Palm Beach County, Florida
October 1 – December 31, 2015

	Cases During Oct to Dec 2015	Cumulative Cases For 2015	Cumulative Cases Same Time Last Year
CENTRAL NERVOUS SYSTEM AND INVASIVE DISEASE:			
H. influenzae Invasive Disease	4	19	17
Meningococcal Disease	2	3	4
Listeriosis	0	4	7
S. pneumoniae Invasive Disease, Drug-Resistant	0	5	20
S. pneumoniae Invasive Disease, Drug-Susceptible	2	6	13
Meningitis, Bacterial or Mycotic	2	9	9
West Nile Virus Neuroinvasive Disease	0	0	0
West Nile Virus Non-Neuroinvasive Disease	0	0	0
Creutzfeldt-Jakob Disease (CJD)	0	2	0
Influenza-Associated Pediatric Mortality	0	0	0
S. aureus Infection, Intermediate Resistance to Vancomycin (VISA)	0	0	0
VACCINE PREVENTABLE DISEASES:			
Measles	0	0	0
Mumps	0	1	0
Pertussis	2	14	14
Rubella	0	0	0
Rubella, Congenital	0	0	0
Tetanus	1	2	0
Varicella (Chickenpox)	7	26	25
HEPATITIS:			
Hepatitis A	5	13	6
Hepatitis B, Acute	8	19	23
Hepatitis B, Chronic	75	422	362
Hepatitis B, HBsAg in Pregnant Women	25	74	17
Hepatitis B, Perinatal	0	0	0
Hepatitis C, Acute	8	9	10
Hepatitis C, Chronic	469	2496	1794
ENTERIC DISEASES:			
Campylobacteriosis	46	212	198
Cryptosporidiosis	20	87	47
Cyclosporiasis	0	0	2
Giardiasis, Acute	18	79	112
Salmonellosis	161	517	436
Shiga Toxin-Producing E. coli (STEC) Infection	9	34	35
Shigellosis	10	144	335
Typhoid Fever (Salmonella serotype Typhi)	0	1	2
Cholera (Vibrio cholerae, Type O1)	0	1	0
Vibriosis (Vibrio cholerae, Type Non-O1)	0	2	0
Vibriosis (Vibrio alginolyticus)	1	2	5
Vibriosis (Vibrio fluvialis)	1	2	2
Vibriosis (Grimontia hollisae)	0	0	0
Vibriosis (Vibrio mimicus)	0	1	0
Vibriosis (Vibrio parahaemolyticus)	1	6	1
Vibriosis (Vibrio vulnificus)	0	0	0
Vibriosis (Other Vibrio Species)	0	0	1
OTHER DISEASES:			
Rabies, Animal	3	7	9
Rabies, Possible Exposure	37	172	133
Animal bites/exposure of a human - number reported to PBC Animal Care and Control	618	2475	2577
Herpes B Virus, Possible Exposure	0	0	1
Carbon Monoxide Poisoning	7	17	18
Chikungunya Fever	2	8	49
Ciguatera Fish Poisoning	0	8	8
Dengue Fever	5	6	10
Hansen's Disease (Leprosy)	2	2	0
Lead Poisoning	7	28	41
Legionellosis	6	28	23
Lyme Disease	7	12	14
Malaria	0	1	4
Mercury Poisoning	0	3	5
Pesticide-Related Illness Or Injury, Acute	1	4	14
Psittacosis (Ornithosis)	0	0	1
Rocky Mountain Spotted Fever or Spotted Fever Rickettsiosis	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, 2015**

	FOURTH QUARTER 2015	CUMULATIVE 2015	CUMULATIVE NUMBERS SAME TIME PREVIOUS YEAR
NUMBER OF COMPLAINTS	40	231	236
NUMBER OF OUTBREAKS	1	6	8
SUSPECT	0	0	2
CONFIRMED	1	6	6
NUMBER ILL	57	602	510
NUMBER OF ENVIRONMENTAL HEALTH INSPECTIONS	14	110	125

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, 2015**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Male to male contact	1877	76	990	23	412	46	71	50	3350	43
Injection drug user (IDU)	162	6	513	12	102	11	13	9	790	10
Male to male contact / IDU	175	7	150	3	36	4	8	6	369	5
Hemophiliac	0	0	0	0	0	0	0	0	0	0
Heterosexual contact	115	5	2052	48	244	27	37	26	2448	31
Transfusion related	0	0	0	0	0	0	0	0	0	0
None of the above	152	6	607	14	96	11	14	10	869	11
All Exposure Categories	2481	100	4312	100	890	100	143	100	7826	100

**AIDS Cases Among Adult and Adolescent Females
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
Cumulative 1980 – December 31, 2015**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Injection drug user (IDU)	186	36	426	14	50	18	13	18	675	17
Hemophiliac	0	0	0	0	0	0	0	0	0	0
Heterosexual contact	253	49	2250	75	192	70	57	78	2752	71
Transfusion related	0	0	0	0	0	0	0	0	0	0
None of the above	74	14	330	11	31	11	3	4	438	11
All Exposure Categories	513	100	3006	100	273	100	73	100	3865	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, 2015**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Male to male contact	7	70	7	54	2	50	0	0	16	57
Injection drug user (IDU)	0	0	0	0	0	0	0	0	0	0
Male to male contact / IDU	1	10	0	0	0	0	0	0	1	4
Hemophiliac	0	0	0	0	0	0	0	0	0	0
Heterosexual contact	1	10	5	38	0	0	0	0	6	21
Transfusion related	0	0	0	0	0	0	0	0	0	0
None of the above	1	10	1	8	2	50	1	100	5	18
All Exposure Categories	10	100	13	100	4	100	1	100	28	100

**AIDS Cases Among Adult and Adolescent Females
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
October 1 – December 31, 2015**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Injection drug user (IDU)	1	25	0	0	0	0	0	0	1	7
Hemophiliac	0	0	0	0	0	0	0	0	0	0
Heterosexual contact	2	50	4	57	2	100	0	0	8	57
Transfusion related	0	0	0	0	0	0	0	0	0	0
None of the above	1	25	3	43	0	0	1	100	5	36
All Exposure Categories	4	100	7	100	2	100	1	100	14	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, 2015**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Perinatal exposure	5	83	181	95	26	93	1	100	213	94
Other	1	17	10	5	2	7	0	0	13	6
All Exposure Categories	6	100	191	100	28	100	1	100	226	100

**Pediatric HIV Cases
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
Cumulative 1980 – December 31, 2015**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Perinatal exposure	5	100	37	97	7	88	0	0	49	96
Other	0	0	1	3	1	12	0	0	2	4
All Exposure Categories	5	100	38	100	8	100	0	0	51	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, 2015**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Male to male contact	615	76	387	35	224	62	20	38	1246	53
Injection drug user (IDU)	31	4	50	5	12	3	2	4	95	4
Male to male contact / IDU	38	5	12	1	13	4	3	6	66	3
Hemophiliac	0	0	0	0	0	0	0	0	0	0
Heterosexual contact	47	6	515	46	68	19	19	37	649	28
Transfusion related	0	0	0	0	0	0	0	0	0	0
None of the above	76	9	146	13	46	13	8	15	276	12
All Exposure Categories	807	100	1110	100	363	100	52	100	2332	100

**HIV Cases Among Adult and Adolescent Females
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
Cumulative July 1, 1997 – December 31, 2015**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Injection drug user (IDU)	50	25	37	4	10	8	3	17	100	7
Hemophiliac	0	0	0	0	0	0	0	0	0	0
Heterosexual contact	120	61	871	85	102	78	12	67	1105	80
Transfusion related	0	0	0	0	0	0	0	0	0	0
None of the above	28	14	121	12	18	14	3	17	170	12
All Exposure Categories	198	100	1029	100	130	100	18	100	1375	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, 2015**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Male to male contact	19	73	15	56	12	75	1	50	47	66
Injection drug user (IDU)	1	4	0	0	0	0	0	0	1	1
Male to male contact / IDU	2	8	0	0	0	0	0	0	2	3
Hemophiliac	0	0	0	0	0	0	0	0	0	0
Heterosexual contact	0	0	4	15	1	6	0	0	5	7
Transfusion related	0	0	0	0	0	0	0	0	0	0
None of the above	4	15	8	30	3	19	1	50	16	23
All Exposure Categories	26	100	27	100	16	100	2	100	71	100

**HIV Cases Among Adult and Adolescent Females
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
October 1 – December 31, 2015**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Injection drug user (IDU)	1	13	0	0	0	0	0	0	1	4
Hemophiliac	0	0	0	0	0	0	0	0	0	0
Heterosexual contact	3	38	6	40	0	0	0	0	9	36
Transfusion related	0	0	0	0	0	0	0	0	0	0
None of the above	4	50	9	60	1	100	1	100	15	60
All Exposure Categories	8	100	15	100	1	100	1	100	25	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, 2015**

RACE/ETHNICITY	4th QTR 2015	YTD 2015	4th QTR 2014	YTD 2014
WHITE	5	19	11	27
BLACK	5	21	4	22
HISPANIC (also counted in White)	4	13	8	21
OTHER	1	3	0	1
TOTAL	11	43	15	50

**Cases of Tuberculosis by HIV Co-Infection, Site of Disease and Multi-Drug Resistance
Palm Beach County, Florida
October 1 – December 31, 2015**

	4th QTR 2015	YTD 2015	4th QTR 2014	YTD 2014
CO-INFECTION	2	7	2	9
PULMONARY	9	34	10	41
EXTRA PULMONARY	2	5	5	9
MULTI-DRUG RESISTANCE	0	0	1	1
BOTH PULMONARY & EXTRA PULMONARY	0	4	0	0

**Cases of Tuberculosis by US Born and Foreign Born
Palm Beach County, Florida
October 1 – December 31, 2015**

	4th QTR 2015	YTD 2015	4th QTR 2014	YTD 2014
US BORN	4	12	3	14
FOREIGN BORN	7	31	12	36
TOTAL	11	43	15	50

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, 2015**

	Males	Females	Total	Percent
Primary Syphilis	5	0	5	5%
Secondary Syphilis	19	7	26	26%
Total Infectious Syphilis	24	7	31	30%
Early Latent Syphilis	33	7	40	39%
Late Latent Syphilis*	0	0	0	0
Syphilis of Unknown Duration	20	11	31	30%
Congenital Syphilis	1	0	1	1%
Total Syphilis	78	25	103	100%
Gonorrhea	197	143	340	58% = males 42% = females
Chlamydia	443	974	1417	31% = males 69% = females

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

*** = Syphilis Definition Change**....Effective January 2014, there will no longer be a **Late Latent Syphilis** diagnoses code in the Florida surveillance system (PRISM). This change stems from a definition change according to the Centers for Disease Control and Prevention (CDC).

HIV Testing*
Palm Beach County, Florida
October 1 – December 31, 2015

	4th Quarter 2015	YTD 2015	4th Quarter 2014	YTD 2014
# HIV Tested	502	2,292	567	4,148
# HIV Positive	3	16	4	43
% HIV Positive	0.60%	0.70%	0.71%	1.04%

*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