



Palm Beach County Health Department

**Epidemiology & Disease Control Program
800 Clematis Street – 2nd floor
West Palm Beach, FL 33401**

(561) 671-4184

Disease Surveillance Report

Fourth Quarter - 2009

October 1 – December 31, 2009

**Send inquiries or corrections to: Denise Bassaline, Human Services Program Consultant I
Phone: (561) 671-4184 Fax: (561) 837-5330 E-mail: Denise_Bassaline@doh.state.fl.us**

Note: Data indicated is provisional

**Reportable Communicable Diseases and Other Conditions
Palm Beach County, Florida
October 1 – December 31, 2009**

Disease/Condition	Cases During Oct to Dec 2009	Cumulative Cases For 2009	Cumulative Cases Same Time Last Year
Invasive Haemophilus influenzae disease	2	20	18
Meningococcal infections	0	4	4
Meningitis, bacterial, cryptococcal, mycotic*	2	13	16
Streptococcus pneumoniae-drug resistant-invasive	9	45	48
Encephalitis, St. Louis	0	0	0
Encephalitis, chickenpox	0	0	0
Measles	0	0	0
Mumps	0	1	1
Rubella	0	0	0
Tetanus	0	0	0
Pertussis	1	14	6
Hepatitis A	1	11	17
Hepatitis B, acute	3	15	17
Hepatitis C, acute	2	2	1
Salmonellosis	132	416	355
Shigellosis	16	38	76
Campylobacteriosis	16	73	86
Giardiasis	32	123	118
Cryptosporidiosis	19	43	37
Cyclosporiasis	0	2	12
Typhoid fever	0	1	5
Escherichia coli, shiga toxin producing*	1	9	13
Vibrio infections	3	9	3
Animal rabies	1	4	3
Rabies, possible exposure*	25	102	102
Animal bites/exposure of a human - number reported to Animal Care and Control	590	2251	2161
Legionellosis	9	19	18
Lead poisoning	16	45	56
Malaria	3	11	4
Dengue fever	1	1	4
Lyme disease	5	14	8
Ciguatera	0	0	11

*per new surveillance case definitions effective 08/06/08

Source: Palm Beach County Health Department
Epidemiology & Disease Control Program

**Summary of Food and Water Related Complaints and Investigations
Palm Beach County Health Department
Palm Beach County, Florida
October 1 – December 31, 2009**

	FOURTH QUARTER 2009	CUMULATIVE 2009	CUMULATIVE NUMBERS SAME TIME PREVIOUS YEAR
NUMBER OF COMPLAINTS	36	191	265
NUMBER OF OUTBREAKS	2	6	15
SUSPECT	0	3	7
CONFIRMED	2	3	8
NUMBER ILL	98	544	544
NUMBER OF ENVIRONMENTAL HEALTH INSPECTIONS	13	78	100

Source: Palm Beach County Health Department
Division of Environmental Health & Engineering

**AIDS Cases Among Adult and Adolescent Males
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
Cumulative 1980 – December 31, 2009**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Male to male contact	1755	76	868	22	343	46	47	53	3013	42
Injection drug user (IDU)	153	7	514	13	96	13	8	9	771	11
Male to male contact / IDU	158	7	141	4	33	4	5	6	337	4
Hemophiliac	13	1	1	0	3	0	1	1	18	0
Heterosexual contact	98	4	1827	46	182	25	20	22	2127	30
Transfusion related	22	1	9	0	1	0	1	1	33	1
None of the above	125	5	609	15	82	11	7	8	823	12
All Exposure Categories	2324	100	3969	100	740	100	89	100	7122	100

**AIDS Cases Among Adult and Adolescent Females
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
Cumulative 1980 – December 31, 2009**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Injection drug user (IDU)	170	36	410	15	48	22	9	20	637	19
Hemophiliac	2	0	4	0	0	0	0	0	6	0
Heterosexual contact	231	49	1937	73	146	66	34	74	2348	69
Transfusion related	17	4	13	0	3	1	0	0	33	1
None of the above	47	10	305	11	24	11	3	7	379	11
All Exposure Categories	467	100	2669	100	221	100	46	100	3403	100

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

Source of Data: Lorene Maddox, MPH
Florida Department of Health
Bureau of HIV/AIDS

**AIDS Cases Among Adult and Adolescent Males
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
October 1 – December 31, 2009**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Male to male contact	7	54	6	29	5	46	0	0	18	40
Injection drug user (IDU)	0	0	2	10	0	0	0	0	2	4
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	1	8	10	48	3	27	0	0	14	31
Transfusion related	0	0	0	0	0	0	0	0	0	0
None of the above	5	38	3	14	3	27	0	0	11	24
All Exposure Categories	13	100	21	100	11	100	0	0	45	100

**AIDS Cases Among Adult and Adolescent Females
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
October 1 – December 31, 2009**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Injection drug user (IDU)	1	33	1	7	3	60	0	0	5	22
Hemophiliac	0	0	0	0	0	0	0	0	0	0
Heterosexual contact	2	67	12	86	1	20	1	100	16	70
Transfusion related	0	0	0	0	0	0	0	0	0	0
None of the above	0	0	1	7	1	20	0	0	2	9
All Exposure Categories	3	100	14	100	5	100	1	100	23	100

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

Source of Data: Lorene Maddox, MPH
Florida Department of Health
Bureau of HIV/AIDS

Pediatric AIDS Cases
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
Cumulative 1980 – December 31, 2009

Risk Group	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Mother with HIV/ HIV Risk	5	83	179	94	24	92	1	100	209	94
Transfusion related	0	0	1	1	0	0	0	0	1	0
Confirmed other	1	17	1	1	0	0	0	0	2	1
Pediatric other/ Undetermined	0	0	9	5	2	8	0	0	11	5
Total	6	100	190	100	26	100	1	100	223	100

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

Source of Data: Lorene Maddox, MPH
Florida Department of Health
Bureau of HIV/AIDS

**HIV Cases Among Adult and Adolescent Males
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
Cumulative July 1, 1997 – December 31, 2009**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Male to male contact	491	74	268	27	132	51	15	38	906	47
Injection drug user (IDU)	24	4	52	5	11	4	3	8	90	5
Male to male contact / IDU	29	4	15	2	13	5	2	5	59	3
Hemophiliac	0	0	0	0	0	0	1	3	1	0
Heterosexual contact	43	6	479	49	56	22	12	30	590	30
Transfusion related	0	0	0	0	0	0	0	0	0	0
None of the above	81	12	162	17	45	18	7	18	295	15
All Exposure Categories	668	100	976	100	257	100	40	100	1941	100

**HIV Cases Among Adult and Adolescent Females
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
Cumulative July 1, 1997 – December 31, 2009**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Injection drug user (IDU)	54	27	45	5	9	7	4	24	112	8
Hemophiliac	1	1	1	0	1	1	0	0	3	0
Heterosexual contact	112	55	813	82	99	79	12	71	1036	78
Transfusion related	0	0	0	0	0	0	0	0	0	0
None of the above	36	17	129	13	16	13	1	6	182	14
All Exposure Categories	203	100	988	100	125	100	17	100	1333	100

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

Source of Data: Lorene Maddox, MPH
Florida Department of Health
Bureau of HIV/AIDS

**HIV Cases Among Adult and Adolescent Males
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
October 1 – December 31, 2009**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Male to male contact	5	45	11	41	2	33	0	0	18	41
Injection drug user (IDU)	0	0	0	0	1	17	0	0	1	2
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	11	41	2	33	0	0	13	30
Transfusion related	0	0	0	0	0	0	0	0	0	0
None of the above	6	55	5	19	1	17	0	0	12	27
All Exposure Categories	11	100	27	100	6	100	0	0	44	100

**HIV Cases Among Adult and Adolescent Females
By Race, Ethnicity and Exposure Category
Palm Beach County, Florida
October 1 – December 31, 2009**

Exposure Category	White		Black		Hispanic		Other Race/Ethnicity		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Injection drug user (IDU)	3	60	1	5	0	0	0	0	4	15
Hemophiliac	0	0	0	0	0	0	0	0	0	0
Heterosexual contact	1	20	15	79	1	33	0	0	17	63
Transfusion related	0	0	0	0	0	0	0	0	0	0
None of the above	1	20	3	16	2	67	0	0	6	22
All Exposure Categories	5	100	19	100	3	100	0	0	27	100

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

Source of Data: Lorene Maddox, MPH
Florida Department of Health
Bureau of HIV/AIDS

**Cases of Tuberculosis in Palm Beach County by Race/Ethnicity
Palm Beach County
October 1 – December 31, 2009**

RACE/ETHNICITY	4th QTR 2009	YTD 2009	4th QTR 2008	YTD 2008
WHITE	5	31	7	33
BLACK	8	24	7	27
HISPANIC (also counted in White)	4	22	4	20
OTHER	0	4	0	5
TOTAL	13	59	14	65

**Cases of Tuberculosis by HIV Co-Infection, Site of Disease and Multi-Drug Resistance
Palm Beach County
October 1 – December 31, 2009**

	4th QTR 2009	YTD 2009	4th QTR 2008	YTD 2008
CO-INFECTION	4	10	4	13
PULMONARY	10	49	12	58
EXTRA PULMONARY	3	10	2	4
MULTI-DRUG RESISTANCE	0	0	0	0
BOTH PULMONARY & EXTRA PULMONARY	0	0	0	3

**Cases of Tuberculosis by US Born and Foreign Born
Palm Beach County
October 1 – December 31, 2009**

	4th QTR 2009	YTD 2009	4th QTR 2008	YTD 2008
US BORN	3	21	5	26
FOREIGN BORN	10	38	9	39
TOTAL	13	59	14	65

Source of Data: Palm Beach County Health Department
Division of HIV/STD/TB
TB Control Program

**Cases of Sexually Transmitted Diseases by Sex
Palm Beach County, Florida
October 1 – December 31, 2009**

	Males	Females	Total	Percent
Primary Syphilis	0	1	1	2
Secondary Syphilis	10	0	10	20
Total Infectious Syphilis	10	1	11	
Early Latent Syphilis	15	4	19	39
Late Latent Syphilis	9	6	15	31
Syphilis of Unknown Duration	2	2	4	8
Congenital Syphilis	0	0	0	0
Total Syphilis	36	13	49	100
Gonorrhea	113	143	256	
Chlamydia	218	690	908	

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

Source of Data: Palm Beach County Health Department
Division of HIV/STD/TB
Sexually Transmitted Disease Program

HIV Testing*
Palm Beach County, Florida
October 1 – December 31, 2009

	3rd Quarter 2009	YTD 2009	3rd Quarter 2008	YTD 2008
# HIV Tested	4,981	21,142	5,062	21,733
# HIV Positive	57	252	55	281
% HIV Positive	1.14	1.19	1.09	1.29

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

NA = Not Available

Note: In January 1998, the Bureau of HIV/AIDS began implementing new rules for the assignment and use of site numbers by organizations conducting HIV testing. The definitions of some site number prefixes have been modified or changed to improve data specificity. These changes have produced shifts in the data. For further information, contact Melissa Cox at (850) 245-4336, ext. 2626.

Source of Data: Melissa Cox
 FL Department of Health
 Bureau of HIV/AIDS
 Prevention Section