



Broward County Health Department

**Epidemiology Program Office**

Office: (954) 467-4700 #8

Confidential Fax: (954) 467-4870

www.browardchd.org/Services/  
DiseaseSurv.htm**BCHD Director**

Paula Thaqi, MD

**Director of Epidemiology**John R. Livengood, MD  
(954)762-3895**Epidemiology Program Manager**Patrick H. Jenkins, MPH  
(954)762-3812**Epidemiology Nurse Supervisor**Carmen H. Draughn, R.N.  
(954)847-3567**Surveillance Contacts:****Food and Waterborne Diseases**

Ryan Lowe, MPH (954)467-4841

**Epidemiology Data Requests**Lashawnda White, MPH  
(954)762-3891**HIV/AIDS**Patricia Callahan  
(954) 713-3202**Sexually Transmitted Diseases**Kressa Johnson  
(954) 788-6154 (954)LAST-STD**Tuberculosis**Kesmer Accime  
(954) 467-4880  
Kesmer\_Accime@doh.state.fl.us**To report a disease or request  
Information call:**

Communicable Disease 847-3567

HIV/AIDS 713-3202

STD 788-6151

Tuberculosis 467-4880

Non-business hours 467-4532

Monthly Report 762-3891

Edited by Lashawnda White, M.P.H.

# EPI Examiner

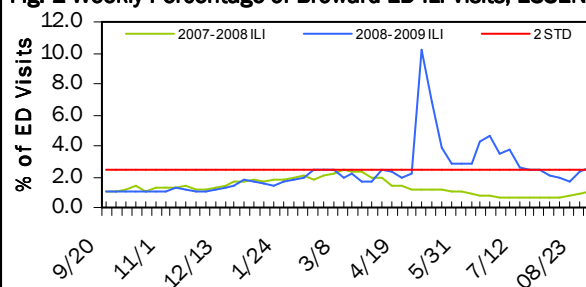
## A Monthly Epidemiology Report

AUGUST 2009

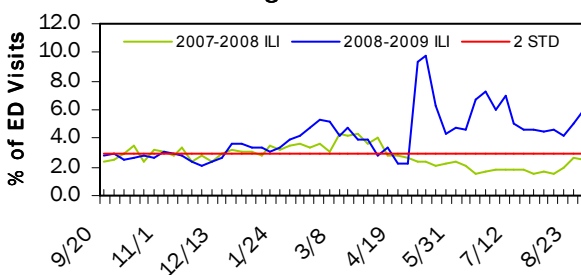
**INSIDE THIS ISSUE:****Disease Summary & Influenza Surveillance 1****Communicable Disease Table 2****Mid-Year Surveillance Tables & Figures 3-6****August Disease Summary**

Confirmed and Probable notifiable disease cases were analyzed by date of event for this report (Table 1). Diseases were categorized as higher than expected using a two standard deviation threshold and as significantly higher than expected according to Pearson's chi-square test for fit of a distribution.

No diseases were significantly higher than expected for the month.

**Broward County Influenza Surveillance****Psyche Doe, Influenza Coordinator****Fig. 1 Weekly Percentage of Broward ED ILI Visits, ESSENCE**

ILI incidence for August has started to increase above the 2 standard deviation threshold. Emergency Department visits have increased and we are seeing an increase in hospital labs reporting Influenza A positive results.

**Fig. 2. Weekly Percentage of Broward ED ILI Visits for  
Ages 0-19**

ILI incidence in youth and children continues to comprise the largest percentage of persons presenting to the Emergency Department in Broward with ILI symptoms. ILI incidence among this age group is above the 2 standard deviation threshold and increasing. This is expected, since Influenza season begins at the end of September.

**H1N1 Update:**

As of September 30, 2009 Broward County has confirmed 9 deaths due to H1N1. While most cases of H1N1 Swine Flu are mild, there are exceptions. Pre-existing health conditions often play a role in how individuals react to the flu. To date, there have been 102 laboratory confirmed H1N1 Swine Flu deaths in Florida. The Centers for Disease Control and prevention has reported that the Clinical trials for the H1N1 Swine Flu vaccine for healthy adults are going well with no adverse side effects among those tested. The Centers for Disease Control and Health and Human Services recently announced that healthy adults will require just one dose of the vaccine.

Table I. Selected Reportable Communicable Diseases and Other Conditions through August 2009, Broward County, FL

			YTD	YTD Aug-	Aug-08	Aug-07	Aug-06	Aug-05	Aug-04	5-Yr AVG
	Aug-09	Jul-09	Aug-09	08						
Animal Bite, PEP	0	0	7	6	0	2	0	1	0	0.6
Brucellosis	0	0	1	0	0	0	0	0	0	0
Campylobacteriosis	10	15	64	78	10	4	7	7	17	9
Carbon Monoxide Poisoning	0	0	3	0	0	0	0	0	0	0
Ciguatera	0	4	4	1	0	0	5	0	0	1
Creutzfeldt-Jacob CJD	0	0	0	2	0	0	1	0	0	0.2
Cryptosporidiosis	3	3	10	27	12	4	5	23	2	9.2
Cyclosporiasis	1	0	4	1	0	0	0	0	0	0
Dengue Fever	0	1	4	7	1	4	0	1	0	1.2
E. Coli NS	0	0	0	3	0	0	2	0	0	0.4
E.Coli Shiga Toxin	1	1	10	2	2	0	0	0	0	0.4
EHEC O157:H7	0	0	0	4	0	1	0	0	2	0.6
Giardiasis	6	10	68	55	11	2	7	5	10	7
Haemophilus Influenzae Invasive	0	3	20	11	1	4	2	3	1	2.2
Hepatitis A	2	3	23	11	0	4	3	4	6	3.4
Hepatitis B Acute	0	2	26	27	6	2	4	4	3	3.8
Hepatitis B Chronic	28	36	293	318	53	17	30	19	20	27.8
Hepatitis B HBsAg	1	0	29	37	5	4	0	4	1	2.8
Hepatitis C Chronic	104	193	1,197	1,646	181	136	159	241	247	192.8
Lead Poisoning	0	1	15	21	4	4	1	3	3	3
Legionellosis	0	0	4	6	1	1	2	0	2	1.2
Listeriosis	0	0	1	5	4	1	1	1	1	1.6
Lyme Disease	1	1	2	2	1	0	0	0	0	0.2
Malaria	2	6	19	9	2	0	0	1	1	0.8
Meningitis Group B Strep	0	0	0	1	0	1	0	0	0	0.2
Meningitis Other*	2	1	12	12	2	1	0	3	2	1.6
Meningitis Strep Pneumoniae	0	0	0	4	0	0	0	0	0	0
Meningococcal Disease	0	0	3	1	0	3	0	0	0	0.6
Mercury Poisoning	0	0	3	3	1	0	0	0	0	0.2
Mumps	0	0	1	0	0	0	0	0	0	0
Novel Influenza	12	140	410	0	0	0	0	0	0	0
Pertussis	1	1	6	1	0	0	0	3	0	0.6
Salmonellosis	24	43	255	255	48	15	46	38	38	37
Shigellosis	5	5	44	77	9	8	5	9	13	8.8
Staphylococcus	0	0	2	0	0	0	0	0	0	0
Strep Disease Inv Group A	2	3	20	13	1	4	1	2	2	2
Strep Pneumoniae Drug R	5	2	53	50	4	1	3	2	6	3.2
Strep Pneumoniae Suscept	3	5	33	34	0	7	2	3	6	3.6
Typhoid Fever	1	1	3	2	0	2	0	2	1	1
Varicella	0	0	26	34	2	1	0	0	0	0.6
Vibrio (All)	0	1	1	1	0	3	0	1	0	0.8
<b>Total</b>	<b>214</b>	<b>481</b>	<b>2,676</b>	<b>2,767</b>	<b>361</b>	<b>236</b>	<b>286</b>	<b>380</b>	<b>384</b>	<b>329.4</b>

\*Includes bacterial, cryptococcal, and mycotic meningitis

Data accessed on 9/21/09 from FL Merlin Communicable Disease Reporting System.

These diseases are significantly higher than expected for the month.

Table 2. All Communicable Diseases and Other Conditions by Month of Event through July 2009, Broward County, FL

	Jan	Feb	Mar	Apr	May	Jun	Jul	Jan - Jul Total	Jan-July 5-Yr Avg
Chlamydia	484	512	724	520	574	591	525	3,930	2,998
Hepatitis C Chronic	208	137	131	126	110	188	193	1,093	1,544
Gonorrhea	140	143	204	122	147	172	142	1,070	1,255
HIV (regardless of AIDS)	1	20	143	62	80	129	142	577	645
AIDS	8	22	135	62	76	123	94	520	486
Novel Influenza	0	0	0	42	69	147	140	398	N/A
Hepatitis B Chronic	55	34	35	46	28	31	36	265	202
Salmonellosis	29	23	31	27	49	29	43	231	184
Infectious syphilis	20	15	29	21	8	7	14	114	104
Late latent syphilis	9	12	24	17	12	13	9	96	157
Early latent syphilis	11	11	18	5	13	15	21	94	97
Giardiasis	5	10	9	8	10	10	10	62	44
Campylobacteriosis	10	8	4	4	8	5	15	54	55
Streptococcus Pneumoniae (Drug R)	16	10	6	7	5	2	2	48	43
Shigellosis	0	2	4	6	10	12	5	39	111
Streptococcus Pneumoniae	8	3	4	4	2	4	5	30	32
Hepatitis B HBsAg	9	4	3	5	3	4	0	28	29
Hepatitis B Acute	5	4	5	4	3	3	2	26	27
Varicella	2	4	9	4	7	0	0	26	16
Hepatitis A	2	6	5	4	1	0	3	21	15
Haemophilus Influenzae Invasive	3	2	4	2	5	1	3	20	12
Group A Streptococcus	2	1	1	6	3	2	3	18	22
Malaria	6	2	2	0	0	1	6	17	4
Lead Poisoning	4	2	3	1	4	0	1	15	23
Meningitis Other	1	0	3	3	1	1	1	10	14
E.Coli Shiga Toxin Producing	1	1	1	0	1	4	1	9	0
Animal Bite, PEP	2	2	0	2	0	1	0	7	9
Cryptosporidiosis	2	0	0	0	1	1	3	7	21
Pertussis	1	0	1	0	1	1	1	5	3
Ciguatera	0	0	0	0	0	0	4	4	2
Dengue Fever	1	1	0	0	0	1	1	4	3
Legionellosis	0	1	0	2	1	0	0	4	7
Carbon Monoxide Poisoning	0	0	0	0	0	3	0	3	0
Cyclosporiasis	0	0	0	1	1	1	0	3	6
Meningococcal Disease	0	2	1	0	0	0	0	3	4
Mercury Poisoning	1	0	0	1	1	0	0	3	2
Staphylococcus	0	1	0	0	1	0	0	2	0
Typhoid Fever	0	0	0	1	0	0	1	2	1
Brucellosis	0	0	1	0	0	0	0	1	0
Listeriosis	0	0	0	0	1	0	0	1	3
Lyme Disease	0	0	0	0	0	0	1	1	1
Mumps	0	0	0	0	1	0	0	1	1
Vibrio Vulnificus	0	0	0	0	0	0	1	1	0
Tuberculosis	4	8	9	7	9	5	2	44	44
<b>Total</b>	<b>1,050</b>	<b>1,003</b>	<b>1,549</b>	<b>1,122</b>	<b>1,246</b>	<b>1,507</b>	<b>1,430</b>	<b>8,907</b>	<b>8,224</b>

Source: Florida Merlin Communicable Disease Reporting System, Bureau of STD Prevention & Control, HIV/AIDS Surveillance Program & Broward County Tuberculosis Surveillance Program

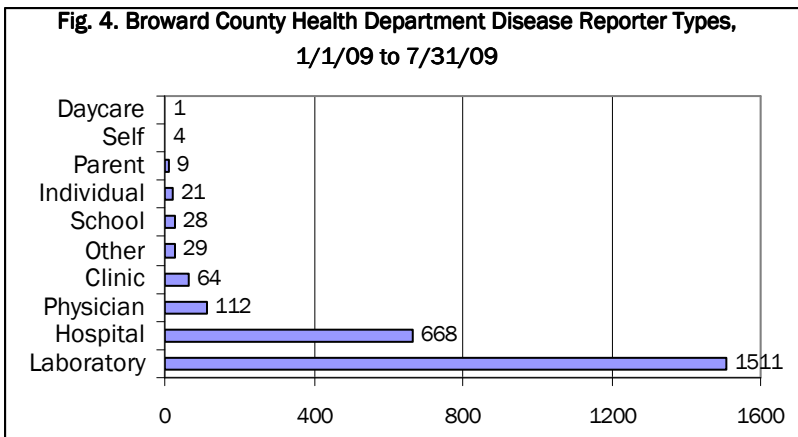
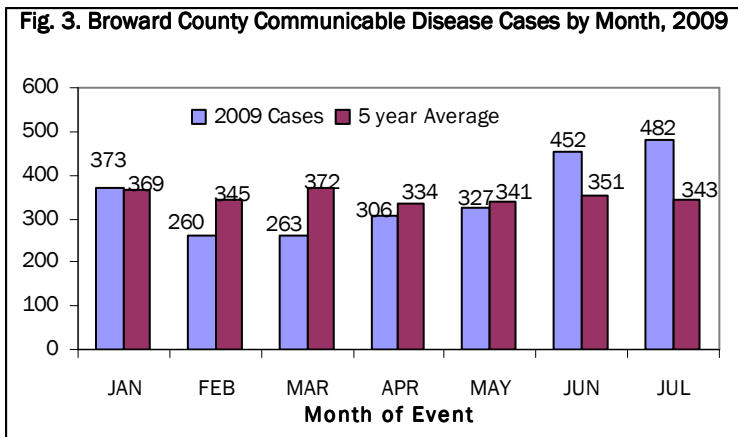
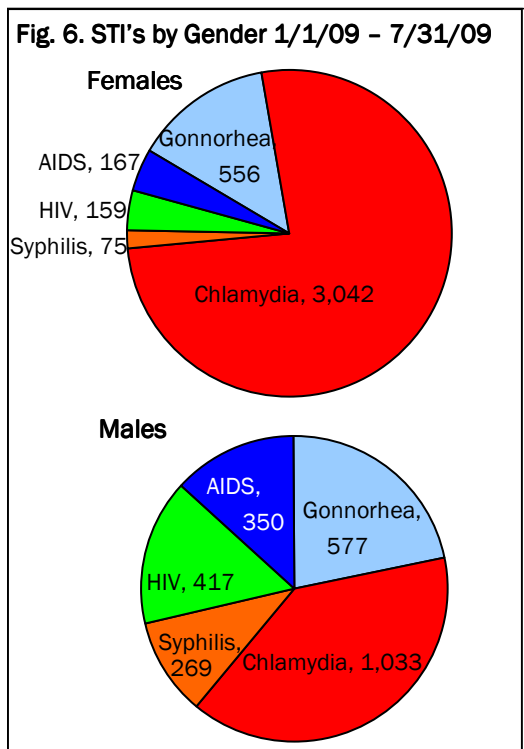
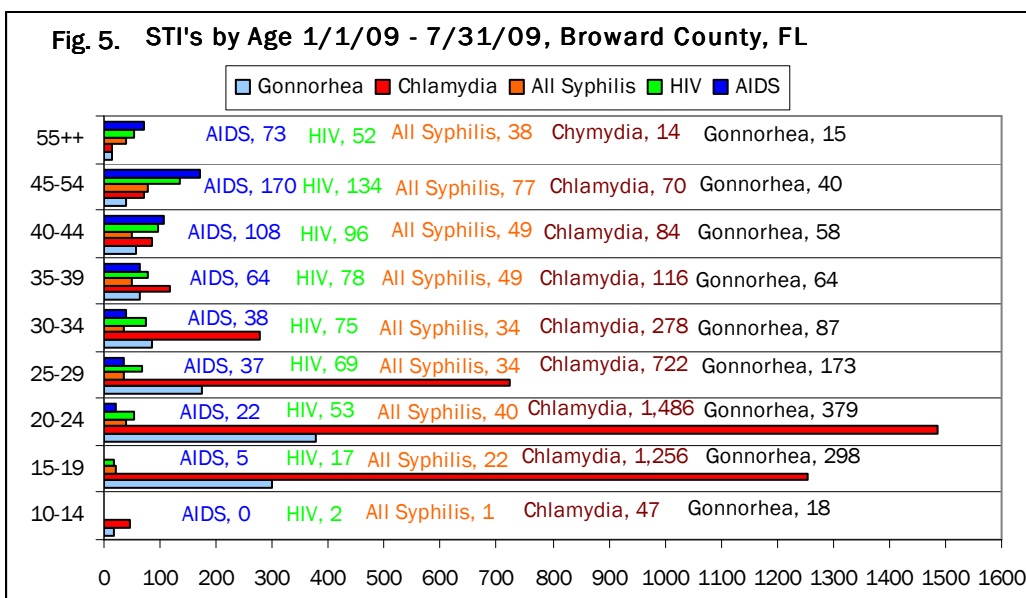


Table 3. Select Communicable Diseases by Age, 1/1/09—7/31/09, Broward County, FL

	<1	1-4	5-9	10-14	15-19	20-29	30-39	40-49	50-59	60+	Total
Hepatitis C Chronic	3	1	1	0	13	105	92	233	436	205	1,089
Novel Influenza	11	38	63	55	30	71	43	42	35	10	398
Hepatitis B Chronic	0	0	0	1	4	33	63	74	52	38	265
Salmonellosis	48	50	27	15	10	13	18	10	15	25	231
Giardiasis	1	12	11	1	0	9	8	12	4	4	62
Campylobacteriosis	5	7	5	3	5	8	3	5	5	8	54
Streptococcus Pneumoniae (Drug R)	1	5	1	0	0	2	5	7	6	21	48
Shigellosis	0	6	13	0	2	8	2	5	0	3	39
Streptococcus Pneumoniae	0	3	1	0	1	3	3	2	5	12	30
Hepatitis B HBsAg	0	0	0	0	3	11	14	0	0	0	28
Hepatitis B Acute	0	0	0	0	0	1	7	11	3	4	26
Varicella	0	1	12	9	1	1	1	1	0	0	26
Hepatitis A	0	0	1	3	1	4	4	2	1	5	21
Haemophilus Influenzae Invasive	0	2	0	0	1	0	0	2	7	7	20
Group A Streptococcus	0	1	1	0	0	1	2	2	4	7	18
Malaria	0	1	0	0	2	0	5	1	4	4	17
Lead Poisoning	1	4	5	0	0	1	1	3	0	0	15
Meningitis Other	1	0	0	0	0	1	3	0	4	4	10
<b>Total (includes diseases not shown)</b>	<b>75</b>	<b>133</b>	<b>143</b>	<b>89</b>	<b>74</b>	<b>281</b>	<b>280</b>	<b>422</b>	<b>591</b>	<b>371</b>	<b>2,459</b>



Note: HIV is regardless of AIDS

Source for Figs. 3-4 & Table 3: Florida Merlin Reporting System

Source for Figs. 5-6: Bureau of STD Prevention & Control & HIV/AIDS Surveillance Program

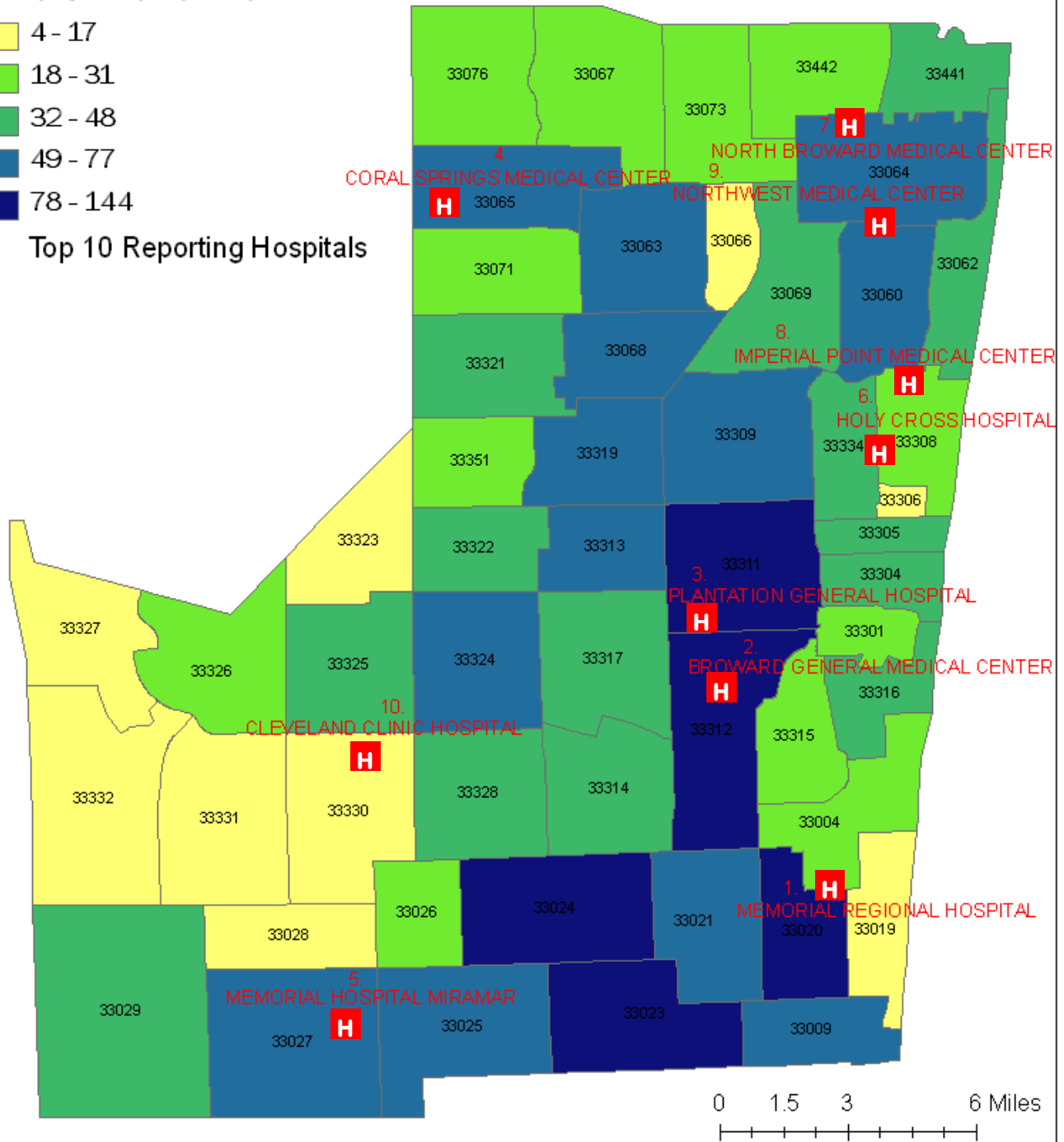
# Select Communicable Disease by Zipcode January through July 2009 Broward County, FL

## Legend

### Number of Disease Cases

- 4 - 17
- 18 - 31
- 32 - 48
- 49 - 77
- 78 - 144

H Top 10 Reporting Hospitals



Map Source: Merlin Florida's Reporting System based on date of event, occurring 1/1/09 to 7/31/09  
 By Lashawnda White for the BCHD Communicable Disease Program.



*The Broward County Epidemiology Program would like to thank the nurses, physicians, labs and all our community partners for their support in communicable disease reporting.*