



Epi Watch

A Monthly Epidemiology Newsletter



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Epi Watch is a monthly newsletter from the Pinellas County Health Department. For more information, or to add your e-mail address to the distribution list, please contact the Editor.

Drug Resistance in H1N1

A recent report from Eurosurveillance indicates that a novel variant of H1N1 flu has emerged in Asia with a genetic adaptation giving some resistance to Roche's Tamiflu and GlaxoSmithKline's Relenza, the two mainstay drugs used to tackle the disease. For more information, please visit:

www.eurosurveillance.org

"The reason for collecting, analyzing and disseminating information on a disease is to control that disease. Collection and analysis should not be allowed to consume resources if action does not follow."

Foege, W.H. et al. (1976). *Int. J of Epidemiology*, 5:29-37.

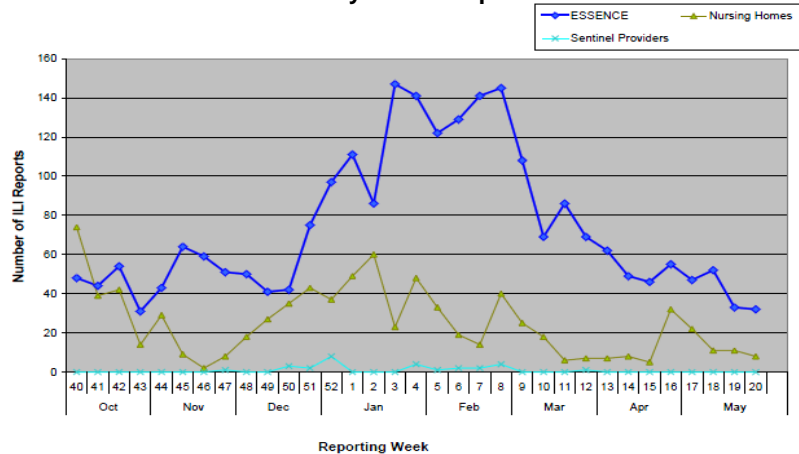
To report diseases by phone call:
(727) 824-6932

To report diseases by fax (other than HIV/AIDS) use:
(727) 820-4270

Influenza Summary 2010-2011

The 2010-2011 influenza season officially ended in late May. The activity level for this season followed the expected pattern for a non-pandemic season with the peak occurring from early January to the end of February (Figure 1). The Pinellas County Health Department monitors multiple surveillance systems to determine the influenza activity level each week. These systems include laboratory reports on cases of influenza from hospitals and clinics, weekly reports from nursing homes and sentinel providers, and ESSENCE, which monitors emergency department visits.

Figure 1: Influenza Surveillance System Comparison October 2010 to end of May 2011

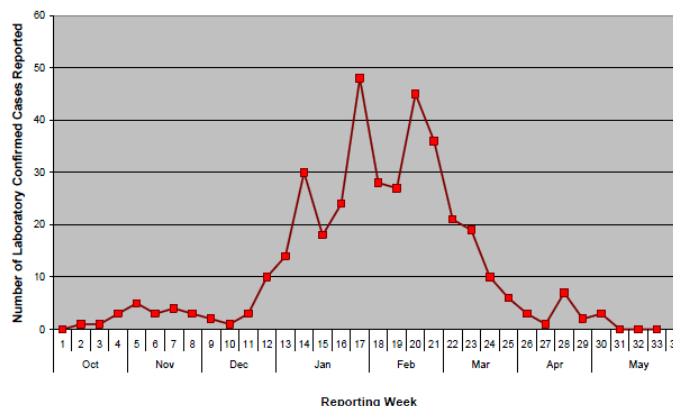


The laboratory reports that were sent to the Health Department indicated that most of the confirmed cases were infected with Type A (78%). Influenza Type B accounted for 21% of the cases. One individual was found to have been infected with both types (Figure 2). While individual cases of influenza are not reportable by law—influenza due to a novel or pandemic strain and influenza-associated mortality in a person under 18 years are reportable—the Health Department relies on the information voluntarily provided by hospitals and clinics to identify circulating influenza strains.

Figure 2: Distribution of Influenza Types by Age

Age (years)	Number	Type A	Type B	A and B
0-4	169	140	29	
5-24	160	113	47	
25-64	124	99	24	1
65+	25	23	2	
TOTAL	478	375	102	1

Figure 3: Confirmed Cases Reported 2010-2011 Season



The Pinellas County Health Department is recruiting providers who would like to assist in influenza surveillance by serving as an ILINet provider. For more information, please contact us: **(727) 824-6932**

Selected Reportable Diseases in Pinellas County

Disease	2011 May	2011 Year to date	2010 Year to date	2010 Total
AIDS	15	59	53	126
Animal Rabies		1		
Arboviral Illness (Human):				1
Dengue				
EEE				
SLE				
WNV				
CA/LaCrosse				
Campylobacteriosis	7	34	11	37
Chlamydia	337	1634	1530	3843
Creutzfeldt-Jakob Disease (CJD)				
Cryptosporidiosis	1	9	13	24
Cyclosporiasis		1		4
<i>E. coli</i> O157:H7				
<i>E. coli</i> Shiga Toxin (+)				
Giardiasis	1	9	11	44
Gonorrhea	75	423	499	1329
<i>H. influenzae</i> :				
Invasive Disease	1	6	7	11
Hansen's Disease			1	1
Hemolytic Uremic Syndrome (HUS)				
Hepatitis, Acute Viral:				
A	1	2		2
B		4	3	8
C	2	6	3	11
Hepatitis B: Pregnant Woman +HBsAg	3	18	16	26
Hepatitis, Chronic Viral				
B	16	72	117	229
C	127	643	633	1496
HIV **	23	115	87	220
Lead Poisoning: Children < 6 years:	1	3	1	3
Legionellosis	1	6	4	12
Listeriosis				1
Lyme Disease	1	2	1	4
Malaria		1		2
Meningitis:				
Bacterial, Cryptococcal, Mycotic		1	4	10
Meningococcal Disease		2	4	4
Mercury Poisoning				2
Mumps				1
Pertussis		4	2	10
Rabies, possible exposure	10	27	9	94
Salmonellosis	27	64	47	257
Shigellosis	11	52	2	47
Streptococcal Disease, Inv. Group A	2	2	2	6
<i>S. pneumoniae</i> , Inv. Disease (DR)		13	8	16
<i>S. pneumoniae</i> , Inv. Disease (Suscept)	1	9	8	15
Syphilis:				
Total	8	58	45	121
Infectious (P and S)	4	31	15	57
Early Latent	2	14	18	28
Congenital				
Late Syphilis (Late Latent; Neurosyphilis)	2	13	12	36
Tuberculosis	1	10	13	33
<i>Vibrio</i> Infections	3	5	3	12

Provisional cases reported by the Pinellas County Health Department. Blank cells indicate no cases reported. For a complete list of reportable diseases and guidelines for reporting, please visit: http://www.doh.state.fl.us/disease_ctrl/epi/index.html

** Current HIV Infection data reflects any case meeting the CDC definition of "HIV infection" which includes all newly reported HIV cases and newly reported AIDS cases with no previous report of HIV. Previous reports of HIV data reflected *only* newly reported HIV cases, which were HIV (not AIDS) at the time of report. Newly reported HIV Infection cases do not imply they are all newly diagnosed cases.