EpiNotes October 2013

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Florida Department of Health - Hillsborough County
Disease Surveillance Newsletter
October 2013

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TO REPORT A DISEASE:

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After Hours Emergency

813.307.8000

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Influenza Update

Influenza

Influenza (the flu) is a contagious respiratory illness caused by influenza viruses. It is spread by breathing in respiratory droplets from someone who has the flu, typically through their sneeze or cough. An infected individual can spread the virus one day before symptoms begin and up to ten days after becoming ill. Symptoms of the flu include fever, cough, sore throat, runny or stuffy nose, body aches and headache. Some people, such as the elderly, young children, and people with chronic health conditions are at high risk for serious flu complications.

2013-2014 Influenza Update

- Hillsborough County has reported mild influenza activity up to this point in the season. Twenty-two counties in Florida are reporting increased influenza activity.
- Emergency department (ED) and urgent care center (UCC) influenza-like illness (ILI) visits have increased overall in recent weeks. In emergency departments and urgent care centers reporting to ESSENCE-FL, the statewide percent of emergency department visits for ILI is at or near typical levels for this time of year in all regions of Florida including Hillsborough County.
- In Florida, the most common influenza subtype detected at the Bureau of Public Health Laboratories (BPHL) in recent weeks has been influenza A (2009 H1N1).
- Florida reported sporadic influenza activity to CDC in week 40.
 This activity level represents the geographic spread of influenza in Florida.

Although influenza activity remains mild, it is important to take precautions to protect yourself against the flu, including: Receiving

Rick Scott
Governor

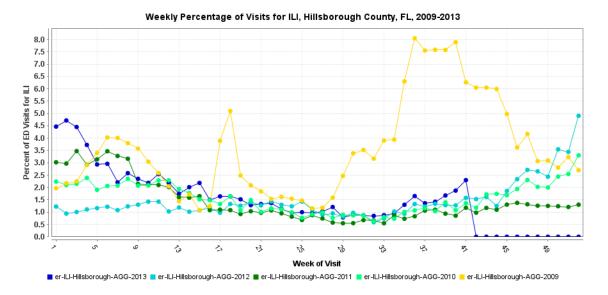
John H. Armstrong, MD, FACS
State Surgeon General & Secretary



EpiNotes October 2013

the 2013-2014 seasonal influenza vaccine. The flu vaccine is one of the best measures to prevent infection. It is not too late to receive this season's vaccine.

- Practice respiratory etiquette. Cover your cough with a tissue or cough into your upper sleeve or elbow to reduce the chances of spreading the virus to others.
- Hand washing. Frequently wash your hands with soap and warm water for at least 20 seconds.
- Stay home when sick. Influenza can spread quickly indoors, especially if people are attending daycares, schools, and workplaces when sick. If you think you have the flu, do not risk infecting others.



Summit on Healthcare Reform and Adult Immunization Practices

Please join The Immunization Task Force of Hillsborough County for a terrific program on upcoming changes associated with the Patient Protection and Affordable Care Act. The Summit will include changes in standard of care as well as important changes in billing and coding of immunizations. The event will be November 12, 2013 from 5:30 PM to 8:30 PM. Please see the attached flyer and register at http://itfhc.eventbrite.com if you are interested.

Handling enteric illness outbreaks in sensitive situations

Mackenzie Tewell, MA, MPH, CPH Marly Sadou, BS

In the past two months, Florida Department of Health (FDOH) in Hillsborough County has seen a number of gastrointestinal illness outbreaks, including *Shigella sonnei* in a local school, *Cryptosporidium* associated with a hotel pool, and a number of Noro-like illnesses reported in assisted living facilities, nursing homes, schools and childcare facilities. Often, these illnesses are contagious, and can spread from person to person from inadequate hand washing, contamination of food or drink, or through shared water sources, such as pools, hot tubs, interactive fountains or rivers.

Due to physical proximity, shared objects and surfaces, and insufficient hand washing procedures, treatment and control measures are often stricter among children in schools and childcare facilities than

EpiNotes October 2013

among the general adult population, presenting a challenge to healthcare providers, epidemiologists, facilities and parents alike. This article will discuss one such example experienced during the most recent shigellosis outbreak.

FDOH epidemiologists, like many healthcare providers, reference the American Academy of Pediatrics *Red Book* when working to determine appropriate prophylaxis, treatment, prevention and control measure recommendations for individuals with reportable conditions. Unfortunately, the *Red Book* does not offer explicit instructions on handling what FDOH calls "sensitive situations," often leading to discrepancies in the information shared with those infected concerning return to work, childcare or school. Florida Statute 64D-3.028 defines sensitive situations as "a setting in which the presence of a case would increase significantly the probability of spread of the diagnosed or suspected disease or condition," including, but not limited to: "schools, childcare facilities, hospitals and other patient-care facilities, food storage, food processing establishments or food outlets." During outbreaks, FDOH has a number of exclusions and treatment protocols which are employed to prevent the spread based upon situation sensitivity and attack rates, and may be adjusted as deemed necessary throughout the course of the outbreak investigation.

The *Red Book* suggests most cases of shigellosis do not require treatment, instead promoting prevention of dehydration as a "mainstay of treatment" (2012, p. 647). During the most recent outbreak, a number of parents were alarmed to receive a call from FDOH suggesting health directives different from that of their health provider's. Not only did FDOH-Hillsborough recommend antibiotic treatment, but required the child be excluded from school until they had completed five full days of treatment *or* two consecutive negative stool samples taken at least 24 hours apart. Moreover, due to a number of antibiotic resistances associated with *Shigella*, testing of children was essential to ensure effective treatment was offered. In some cases, lab results were not received for many days, creating a lag time between the doctor's visit and treatment. Children were often recovered by the time they received lab confirmation of their infection. In accordance with FDOH policy, these confirmed, yet recovered, cases had to be removed from school and excluded until treatment completion or negative stool results, creating an understandable frustration among parents.

In the future, FDOH-Hillsborough hopes to find avenues for ensuring exclusionary measures are accurately communicated and enforced in sensitive situations. FDOH-Hillsborough epidemiologists greatly appreciate the cooperation from healthcare providers and will gladly answer questions about exclusion and how related treatments may satisfy these exclusion requirements. Collaboration and communication are the most effective methods for improving both patient and public health.

Links:

Florida Administrative Code 64D-3: https://www.flrules.org/gateway/ChapterHome.asp?Chapter=64D-3

Additional Resources

FLORIDA FLU REVIEW:

http://www.floridahealth.gov/diseases-and-conditions/influenza/weekly-flu-report.html FLORIDA ARBOVIRUS SURVEILLANCE:

http://www.floridahealth.gov/diseases-and-conditions/mosquito-borne-diseases/surveillance.html

October 2013

Reportable Disease Surveillance Data

Annual Totals Year-to-date **Disease Category** 3 Year Jan-Sep Jan-Sep Average **Vaccine Preventable Diseases** 0.00 Diphtheria Measles 0.00 Mumps 0.67 Pertussis 60.33 Poliomyelitis 0.00 Rubella 0.00 0.00 Smallpox **Tetanus** 0.33 Varicella 46.33 **CNS Diseases & Bacteremias** Creutzfeldt-Jakob Disease 1.00 Haemophilus influenzae (Invasive Disease) 11.67 In Children 5 Years or Younger 2.00 Listeriosis 2.00 Meningitis (Bacterial, Cryptococcal, Mycotic) 18.00 Meningococcal Disease 1.67 Staphylococcus aureus (VISA, VRSA) 1.00 Streptococcal Disease, Group A (Invasive Disease) 18.33 Streptococcus pneumoniae (Invasive Disease) 86.67 **Drug Resistant** 47.67 Drug Susceptible 39.00 **Enteric Infections** Campylobacteriosis* 100.33 Cholera 0.00 42.67 Cryptosporidiosis Cyclospora 2.00 Escherichia coli, Shiga toxin-producing (STEC)** 20.00 Giardiasis† 78.33 Hemolytic Uremic Syndrome 0.67 Salmonellosis 327.67 182.67 Shigellosis Typhoid Fever 0.33 Viral Hepatitis Hepatitis A 5.00 Hepatitis B (Acute) 38.00 Hepatitis C (Acute) 15.00 Hepatitis +HBsAg in Pregnant Women 42.67 Hepatitis D, E, G 0.33

October 2013

Reportable Disease Surveillance Data

Annual Totals Year-to-date **Disease Category** 3 Year Jan-Sep Jan-Sep Average Vectorborne, Zoonoses Dengue 5.33 Eastern Equine Encephalitis†† 0.67 Ehrlichiosis/Anaplasmosis 1.00 Leptospirosis 0.00 Lyme Disease 7.00 Malaria 6.33 Plague 0.00 **Psittacosis** 0.00 Q Fever (Acute and Chronic) 0.00 Rabies (Animal) 3.67 Rabies (Human) 0.00 Rabies (Possible Exposure) 80.00 Rocky Mountain Spotted Fever 1.67 St. Louis Encephalitis†† 0.00 Toxoplasmosis 2.00 Trichinellosis 0.00 Tularemia 0.00 Typhus Fever (Epidemic and Endemic) 0.67 Venezuelan Equine Encephalitis†† 0.00 West Nile Virus†† 0.33 0.00 Western Equine Encephalitis†† Yellow Fever 0.00 Others Anthrax 0.00 Botulism, Foodborne 0.00 Botulism, Infant 0.00 Brucellosis 0.33 Glanders 0.00 Hansen's Disease (Leprosy) 1.00 Hantavirus Infection 0.00 Legionellosis 9.00 Melioidosis 0.00 Vibriosis 11.33

Reportable Disease Surveillance Data

Annual Totals Year-to-date **Disease Category** 3 Year Jan-Sep Jan-Sep Average Chemicals/Poisoning Arsenic 0.00 Carbon Monoxide 8.00 Lead 256.67 Mercury 0.33 Pesticide 7.67 Influenza Influenza, Pediatric Associated Mortality 0.00 Influenza, Novel or Pandemic Strain 4.67 **HIV/AIDS AIDS** 185.67 **HIV Infection** 330.33 STDs Chlamydia 7141.33 Gonorrhea 2151.33 5.33 Syphilis, Congenital 136.00 Syphilis, Latent Syphilis, Early 96.67 Syphilis, Infectious 132.33 **Tuberculosis** TΒ 61.00 Food and Waterborne Illness Outbreaks Food and Waterborne Cases 78.00 Food and Waterborne Outbreaks 5.67



"Summit on Healthcare Reform and Adult Immunization Practices"

Are you curious about Healthcare Reform?

Do you have questions regarding Adult Immunizations within your practice?

Do you have questions about billing for medical services once Healthcare Reform goes into effect?

Plan to attend the **Summit on Healthcare Reform and Adult Immunization Practices.**

Featured speakers will include:

Beata Casanas, D.O., FACP

Executive Medical Director, Florida Department of Health, Hillsborough County Associate Professor of Medicine, University of South Florida

Sarah Steinhardt, PharmD, J.D.

USF College of Pharmacy

Martha Price, M.D.

Family Practice

Kathleen G. Bailey, C.P.A., M.B.A., C.P.C., C.P.C.-I Dean of Online Programs, Ultimate Medical Academy

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Creutzfeldt-Jakob disease (CJD)

Florida Department of Health - Hillsborough County

Division of Community Health • Office of Epidemiology P.O. Box 5135

Tampa, FL 33675-5135

PHONE: (813) 307-8010 • FAX: (813) 276-2981 After Hours Reporting All Diseases - (813) 307-8000

Section 381.0031 (1,2), Florida Statutes, provides that "Any practitioner, licensed in Florida to practice medicine, osteopathic medicine, chiropractic, naturopathy, or veterinary medicine, who diagnoses or suspects the existence of a disease of public health significance shall immediately report the fact to the Department of Health." The DOH county health departments serve as the Department's representative in this reporting requirement. Furthermore, this Section provides that "Periodically the Department shall issue a list of diseases determined by it to be of public health significance...and shall furnish a copy of said list to the practitioners...

Reportable Diseases/Conditions in Florida Practitioner* Guide 11/24/08 *Reporting requirements for laboratories differ. For specific information on disease reporting, consult Rule 64D-3, Florida Administrative Code (FAC).					
	HIV – (813) 307-8011		Cryptosporidiosis		Ricin toxicity
120,	DO NOT FAX		Cyclosporiasis	- 	Rocky Mountain spotted fever
+	Acquired Immune Deficiency Syndrome (AIDS)	•	Dengue	-	Rubella (including congenital)
	Human Immunodeficiency Virus (HIV)	 	Diphtheria	-	St. Louis encephalitis (SLE) virus disease
+	infection (all, and including neonates born to an infected woman, exposed newborn)	-	Eastern equine encephalitis virus disease	•	(neuroinvasive and non-neuroinvasive)
STD -	(813) 307- 8022	•	(neuroinvasive and non-neuroinvasive)	•	Salmonellosis
	Fax (813) 307-8027	•	Ehrlichiosis	•	Saxitoxin poisoning (including paralytic
•	Chancroid	•	Encephalitis, other (non-arboviral)		shellfish poisoning)(PSP) Severe Acute Respiratory Syndrome-
•	Chlamydia		Enteric disease due to: Escherichia coli, O157:H7	<u> </u>	associated Coronavirus (SARS-CoV) disease
•	Conjunctivitis (in neonates ≤ 14 days old)		Escherichia coli, other pathogenic		Shigellosis
•	Gonorrhea	2111	E. coli including entero- toxigenic, invasive, pathogenic, hemorrhagic,		Smallpox Staphylococcus aureus (infection with
•	Granuloma inguinale Herpes Simplex Virus (HSV) (in infants up to		aggregative strains and shiga toxin	711	intermediate or full resistance to
	60 days old with disseminated infection with		positive strains		vancomycin, VISA, VRSA) Staphylococcus enterotoxin B (disease due
•	involvement of liver, encephalitis and infections limited to skin, eyes and mouth;	•	Giardiasis (acute)		to)
	anogenital in children ≤ 12 years old)	<u>!</u>	Glanders Haemophilus influenzae (meningitis and	•	Streptococcal disease (invasive, Group A)
_	Human papilloma virus (HPV) (associated laryngeal papillomas or recurrent respiratory	!	invasive disease)	•	Streptococcus pneumoniae (invasive disease)
•	papillomatosis in children ≤ 6 years old;	•	Hansen's disease (Leprosy)	•	Tetanus
	anogenital in children ≤ 12 years) Lymphogranuloma venereum (LGV)	2111	Hantavirus infection	•	Toxoplasmosis (acute)
	Syphilis	2111	Hemolytic uremic syndrome	•	Trichinellosis (Trichinosis)
	Syphilis (in pregnant women and neonates)	2111	Hepatitis A	!	Tularemia
тв со	NTROL - (813) 307-8015 x 4758	•	Hepatitis B, C, D, E, and G		Typhoid fever
	Fax- (813) 975-2014	•	Hepatitis B surface antigen (HBsAg) (positive in a pregnant woman or a child up	!	Typhus fever (disease due to <i>Rickettsia</i> prowazekii infection)
•	Tuberculosis (TB)	l	to 24 months old)	•	Typhus fever (disease due to Rickettsia
CANC	ER – Tumor Registry Database Cancer (except non-melanoma skin cancer,	<u>!</u>	Influenza due to novel or pandemic strains		typhi, R. felis infection) Vaccinia disease
+	and including benign and borderline	2111	Influenza-associated pediatric mortality (in persons < 18 years)		Varicella (Chickenpox)
EPIDE	intracranial and CNS tumors) MIOLOGY – (813) 307-8010		Lead Poisoning (blood lead level ≥ 10μg/dL);		Varicella (offickeripox)
	Fax (813) 276-2981	•	additional reporting requirements exist for hand held and/or on-site blood lead testing		Venezuelan equine encephalitis virus
!	Any disease outbreak		technology, see 64D-3 FAC	!	disease (neuroinvasive and non- neuroinvasive)
	Any case, cluster of cases, or outbreak of a disease or condition found in the general	•	Legionellosis	•	Vibriosis (Vibrio infections)
	community or any defined setting such as a	•	Leptospirosis	-	Viral hemorrhagic fevers (Ebola, Marburg,
	hospital, school or other institution, not listed below that is of urgent public health	7111	Listeriosis	- -	Lassa, Machupo) West Nile virus disease (neuroinvasive and
1	significance. This includes those indicative	•	Lyme disease	•	non-neuroinvasive)
	of person to person spread, zoonotic spread, the presence of an environmental, food or	•	Malaria	•	Western equine encephalitis virus disease (neuroinvasive and non-neuroinvasive)
	waterborne source of exposure and those that result from a deliberate act of terrorism.	!	Measles (Rubeola)		Yellow fever
•	Amebic encephalitis	_ !	Melioidosis		
•	Anaplasmosis	•	Meningitis (bacterial, cryptococcal, mycotic)		
!	Anthrax	!	Meningococcal disease (includes meningitis	! :	Report immediately 24/7 by phone
•	Arsenic poisoning	ļ	and meningococcemia)		upon initial suspicion or laboratory test order
	Botulism (foodborne, wound, unspecified,	•	Mercury poisoning	~~	Report immediately 24/7
•	other) Botulism (infant)	<u>*************************************</u>	Mumps Neurotoxic shellfish poisoning		by phone
	Brucellosis		Pertussis	• =	Report next business day
•	California serogroup virus (neuroinvasive	•	Pesticide-related illness and injury	+ =	Other reporting timeframe
	and non-neuroinvasive disease)		Plague		
· .	Carpon monovido poisoning		Poliomyelitis, paralytic and non-paralytic		
	Carbon monoxide poisoning Cholera	 	Psittacosis (Ornithosis)		
<u> </u>		-	Q Fever		
	Ciguatera fish poisoning (Ciguatera) Congenital anomalies	- This	Rabies (human, animal)		
-	Congenital anomalies		Dabias (massible superus)		

Rabies (possible exposure)

FLORIDA DEPARTMENT OF HEALTH - PRACTITIONER DISEASE REPORT FORM

(Please complete the following information to report the suspect or diagnosis of a disease which is reportable under Florida Administrative Code 64D-3.) DH2136,10/06 Patient Information: ☐ Please check here if you would like more copies of the form Area Code + Phone Number Last Name MI First Name Date of Birth (MMDDYYYY) Social Security Number (no dashes) Hispanic Male Ethnicity: Gender: Address Non-Hispanic Female Unknown City State Zip Code Disease Specific Information: Other:_ Pregnancy Status: Date of Onset: Race: Black Disease Fatal? Yes No Not Pregnant **Patient** Asian Hospitalized? Discharge Date: Pregnant American Indian/AlaskaNative Number of Months_ Hospital Name: Native Hawaiian/Pacific Islander Medicaid Number or Insurance: Unknown Disease or Condition Reporting: For HIV/AIDS and HIV exposed newborns please report per forms indicated in F.A.C. 64D-3. ☐ Enteric disease due to Escherichia ☐ Legionellosis □ Severe acute respiratory syndrome (SARS) Report immediately upon: coli O157:H7 Leptospirosis Enteric disease due to other path- Listeriosis ☐ Shigellosis = Initial suspicion 24/7 by phone ogenic Escherichia coli ☐ Lyme disease = Diagnosis 24/7 by phone Giardiasis (acute) ☐ Lymphogranuloma Venereum Staphylococcus aureus, intermediate Glanders . T (LGV) or full resistance to vancomycin ☐ Anthrax 🗗 🛚 Staphylococcus enterotoxin B ☐ Botulism, foodborne ◢■■ Gonorrhea Malaria Measles (Rubeola) П Granuloma inguinale Streptococcal disease, invasive Botulism, infant Haemophilus influenzae, meningitis Melioidosis 2 1 Group A □ Botulism, other/wound/unspecified 2 ■ and invasive disease Meningitis, bacterial, cryptococcal, Streptococcal pneumoniae, invasive Brucellosis 🗗 📱 П Hansen's disease other mycotic disease П California serogroup virus disease Hantavirus infection Meningococcal disease Syphilis П Campylobacteriosis П Hemolytic uremic syndrome Mercury poisoning Syphilis, pregnancy or neonate □ Chancroid Hepatitis, acute A Chlamydia Mumps Tetanus П Hepatitis, acute B, C, D, E, G Neurotoxic shellfish poisoning Toxoplasmosis, acute Cholera 🗗 🛚 Pertussis 2 Hepatitis, chronic B, C Trichinellosis (Trichinosis) Ciguatera fish poisoning Pesticide-related illness and injury \square Tuberculosis (TB) П Hepatitis B surface antigen ☐ Clostridium perfringens epsilon toxin positive in pregnant woman or Plague F Tularemia F □ Conjunctivitis, in neonatal ≤14 days child up to 24 months Poliomyelitis 2 1 Typhoid fever Creutzfeldt-Jakob disease (CJD) Herpes simplex virus (HSV) in Psittacosis (Ornithosis) Typhus fever, endemic Cryptosporidiosis Typhus fever, epidemic 🖅 🛚 infants up to six months O Fever П Cyclosporiasis Rabies, animal HSV anogenital in children≤12 yrs □ Vaccinia disease П Dengue Diphtheria 🗗 🛚 Human papilloma virus (HPV) ☐ Rabies, humanæ ☐ Varicella (chickenpox) Date of vaccination __/_ anogenital in children≤12 yrs □ Rabies possible exposure Eastern equine encephalitis HPV assocated laryngeal papillo-(animal bite) at ! Varicella mortality П virus disease П mas or recurrent respiratory Ricin toxicity: Venezuelan equine encephalitis Ehrlichiosis, human granulocytic virus disease 💵 🛚 Rocky Mountain spotted fever papillomatosis in children ≤6 yrs (HEG) ☐ Rubella ■ HPV cancer associated strains Vibriosis, Vibrio infections Ehrlichiosis, human monocytic ☐ Influenza – due to novel or pan-☐ St. Louis encephalitis virus disease ☐ Viral hemorrhagic fevers 🞏 📱 (HME) demic strains 💵 📱 □ Salmonellosis West Nile virus disease Ehrlichiosis, human other or Influenza - assocated pediatric ☐ Saxitoxin poisoning, including Western equine encephalitis virus unspecified species mortality in persons <18 yrs 25 paralytic shellfish poisoning (PSP) disease ☐ Encephalitis, other (non-arboviral) ☐ Yellow fever ♣ ▮ Lead poisoning Any Outbreak, grouping, or clustering of patients having similar disease, symptoms, syndromes: Medical Information: Provider Information: Diagnosis Date: Name: Please attach lab Test Conducted? record (if available) Address: Lab Name: City, State, Zip: Lab Results: Lab Test Date: Provider Fax: () Test Method: Treatment Provided? Email: Treatment: **County Health Department Fax:** 813-276-2981 Medical Record Number: CHD After-Hours Phone Number: 813-307-8000