

EpiNotes

Florida Department of Health - Hillsborough County Disease Surveillance Newsletter June 2014

Director

Douglas Holt, MD

813.307.8008

Medical Director (HIV, STD, EPI)

Charurut Somboonwit, MD

813.307.8008

Medical Director (TB, Refugee)

Beata Casanas, MD

813.307.8008

Community Health Director

Leslene Gordon, PhD, RD, LD/N

813.307.8015 x7107

Disease Control Director

Faye Coe, RN

813.307.8015 x6321

Environmental Administrator

Brian Miller, RS

813.307.8015 x5901

Epidemiology

Warren R. McDougale Jr., MPH

813.307.8010 Fax 813.276.2981

TO REPORT A DISEASE:

Epidemiology

813.307.8010

After Hours Emergency

813.307.8000

Food and Waterborne Illness

James Ashworth

813.307.8015 x5944 Fax 813.272.7242

HIV/AIDS Surveillance

Erica Botting

813.307.8011

Lead Poisoning

Cynthia O. Keeton

813.307.8015 x7108 Fax 813.272.6915

Sexually Transmitted Disease

Carlos Mercado

813.307.8015 x4501 Fax 813.307.8027

Tuberculosis

Chris Lutz

813.307.8015 x4758 Fax 813.975.2014

It's That Time of Year Again

Amy Pullman, MT(AAB)

With hurricane season underway and the grueling hot days of summer approaching, it is a great time to put *Vibrio* infections onto the clinical radar. *Vibrio* is a genus of bacteria that is found in the warm coastal waters of Florida, particularly shallow, brackish water. Most cases occur during the summer months; however, cases have been reported in Florida year round. Traditionally, *Vibrio* is recognized as a foodborne illness related to consuming raw or undercooked oysters or seafood, but summer will bring water activities such as swimming and wade fishing meaning the number of *Vibrio* infections found in wounds is likely to increase. Because it is naturally found in warm, brackish waters, people with open wounds or abrasions can be exposed to *Vibrio vulnificus* (*V. vulnificus*) and (*V. parahaemolyticus*) through direct contact with seawater. There is no evidence of person-to-person transmission of *V. vulnificus*. *Vibrio* is a serious illness that can negatively affect the healthy, and can even cause death. Those who are particularly susceptible to poor outcomes include persons with liver disease, such as hepatitis C or cirrhosis, and others who are immunocompromised. Once *Vibrio* has entered a wound, the bacterium can invade the bloodstream, causing a severe and life-threatening illness with symptoms including fever, chills, decreased blood pressure (septic shock) and blistering skin lesions. *V. vulnificus* bloodstream infections are fatal about 50 percent of the time. A recent study showed that people with these pre-existing medical conditions were 80 times more likely to develop

(Continued on page 2)

V. vulnificus bloodstream infections than healthy people. Individuals with weakened immune systems who sustain a wound injury may face poor healing, require surgery or even amputation.

Vibrio infections could also rise in the event of a hurricane, particularly if individuals find themselves exposed to salt water. CDC suggests that after hurricane Katrina, *V. vulnificus* and *V. parahaemolyticus* infections were identified in many post hurricane response workers and area residents seen in emergency rooms. Most were due to minor injuries and punctures that later resulted in severe sepsis and amputation. When patients present with wound infections or sepsis infections, there is a potential that they may have had water exposure from fishing, swimming or cleaning up after a hurricane. Asking a broad range of questions about recent activities in or around bodies of water may be helpful in making a differential diagnosis.

Below are several resources that may be helpful:

CDC's Clinicians Management of *Vibrio vulnificus* Wound Infections after a Disaster
<http://emergency.cdc.gov/disasters/disease/vibriofaq.asp>

FDOH web resources on *Vibrio* Infections in Florida:
<http://www.floridahealth.gov/diseases-and-conditions/vibrio-infections/index.html>

FDOH preparedness web resources for Water-borne Illness and Post Hurricane:
<http://www.floridahealth.gov/preparedness-and-response/prepare-yourself/current-hazards/hurricane-info.html>

Florida Reportable Disease List



Please note that as of June 4, 2014 the Reportable Disease List (Florida Administrative Code 64D-3.0029) has been updated. We will be attaching the updated list to the July 2014 issue of EpiNotes.

Reportable Disease Surveillance Data

Disease Category	Annual Totals			3 Year Average	Year-to-date	
	2011	2012	2013		May 13	May 14
Vaccine Preventable Diseases						
Diphtheria	0	0	0	0.00	0	0
Measles	0	0	0	0.00	0	0
Mumps	1	0	0	0.33	0	0
Pertussis	31	119	96	82.00	37	29
Poliomyelitis	0	0	0	0.00	0	0
Rubella	0	0	0	0.00	0	0
Smallpox	0	0	0	0.00	0	0
Tetanus	0	0	0	0.00	0	0
Varicella	46	45	65	52.00	22	33
CNS Diseases & Bacteremias						
Creutzfeldt-Jakob Disease	0	3	1	1.33	0	1
Haemophilus influenzae (Invasive Disease)	16	8	14	12.67	4	7
In Children 5 Years or Younger	2	2	2	2.00	0	0
Listeriosis	3	1	5	3.00	1	1
Meningitis (Bacterial, Cryptococcal, Mycotic)	21	5	11	12.33	6	6
Meningococcal Disease	1	3	6	3.33	2	3
Staphylococcus aureus (VISA, VRSA)	1	1	1	1.00	0	0
Streptococcal Disease, Group A (Invasive Disease)	17	18	17	17.33	8	11
Streptococcus pneumoniae (Invasive Disease)	100	55	59	71.33	27	38
Drug Resistant	54	29	29	37.33	10	23
Drug Susceptible	46	26	30	34.00	17	15
Enteric Infections						
Campylobacteriosis*	120	105	133	119.33	51	56
Cholera	0	1	0	0.33	0	0
Cryptosporidiosis	38	77	59	58.00	16	18
Cyclospora	1	2	9	4.00	0	0
Escherichia coli, Shiga toxin-producing (STEC)**	24	22	30	25.33	9	8
Giardiasis†	81	54	56	63.67	28	18
Hemolytic Uremic Syndrome	0	1	2	1.00	0	0
Salmonellosis	349	331	304	328.00	79	95
Shigellosis	378	36	63	159.00	1	27
Typhoid Fever	0	0	0	0.00	0	0
Viral Hepatitis						
Hepatitis A	4	5	10	6.33	1	4
Hepatitis B (Acute)	26	39	56	40.33	17	24
Hepatitis C (Acute)	7	26	38	23.67	20	11
Hepatitis +HBsAg in Pregnant Women	50	38	31	39.67	4	11
Hepatitis D, E, G	0	1	0	0.33	0	0

Reportable Disease Surveillance Data



Disease Category	Annual Totals			3 Year Average	Year-to-date	
	2011	2012	2013		May 13	May 14
Vectorborne, Zoonoses						
Dengue	4	5	4	4.33	2	3
Eastern Equine Encephalitis††	0	0	1	0.33	1	0
Ehrlichiosis/Anaplasmosis	0	0	1	0.33	1	0
Leptospirosis	0	0	0	0.00	0	1
Lyme Disease	7	9	12	9.33	0	3
Malaria	7	7	8	7.33	3	3
Plague	0	0	0	0.00	0	0
Psittacosis	0	0	0	0.00	0	0
Q Fever (Acute and Chronic)	0	0	0	0.00	0	0
Rabies (Animal)	2	5	6	4.33	2	3
Rabies (Human)	0	0	0	0.00	0	0
Rocky Mountain Spotted Fever	0	1	1	0.67	40	39
St. Louis Encephalitis††	0	0	0	0.00	0	0
Toxoplasmosis	1	1	1	1.00	0	0
Trichinellosis	0	0	0	0.00	1	3
Tularemia	0	0	0	0.00	0	0
Typhus Fever (Epidemic and Endemic)	2	0	0	0.67	0	0
Venezuelan Equine Encephalitis††	0	0	0	0.00	0	0
West Nile Virus††	0	1	0	0.33	0	0
Western Equine Encephalitis††	0	0	0	0.00	0	0
Yellow Fever	0	0	0	0.00	0	0
Others						
Anthrax	0	0	0	0.00	0	0
Botulism, Foodborne	0	0	0	0.00	0	0
Botulism, Infant	0	0	0	0.00	0	0
Brucellosis	1	0	0	0.33	0	0
Glanders	0	0	0	0.00	0	0
Hansen's Disease (Leprosy)	0	2	2	1.33	1	0
Hantavirus Infection	0	0	0	0.00	0	0
Legionellosis	12	8	18	12.67	4	5
Melioidosis	0	0	0	0.00	0	0
Vibriosis	8	14	13	11.67	4	3

Reportable Disease Surveillance Data

Disease Category	Annual Totals			3 Year Average	Year-to-date	
	2011	2012	2013		May 13	May 14
Chemicals/Poisoning						
Arsenic	0	0	0	0.00	0	0
Carbon Monoxide	13	4	4	7.00	0	5
Lead	193	330	329	284.00	42	133
Mercury	0	0	0	0.00	0	0
Pesticide	15	4	4	7.67	1	1
Influenza						
Influenza, Pediatric Associated Mortality	0	0	1	0.33	1	1
Influenza, Novel or Pandemic Strain	7	0	0	2.33	0	0
HIV/AIDS						
AIDS	192	172	231	198.33	89	83
HIV Infection	318	327	403	349.33	182	191
STDs						
Chlamydia	7288	7124	7220	7210.67	2687	2895
Gonorrhea	2343	2160	2023	2175.33	732	702
Syphilis, Congenital	3	6	3	4.00	4	0
Syphilis, Latent	134	129	189	150.67	51	63
Syphilis, Early	91	117	124	110.67	41	51
Syphilis, Infectious	124	155	156	145.00	53	88
Tuberculosis						
TB	46	51	54	50.33	NA	NA
Food and Waterborne Illness Outbreaks						
Food and Waterborne Cases	13	74	73	53.33	65	4
Food and Waterborne Outbreaks	3	4	4	3.67	3	1



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)*.

AIDS, HIV – (813) 307-8011 DO NOT FAX

- + Acquired Immune Deficiency Syndrome (AIDS)
- + Human Immunodeficiency Virus (HIV) infection (all, and including neonates born to an infected woman, exposed newborn)

STD – (813) 307- 8022 Fax (813) 307-8027

- Chancroid
- Chlamydia
- Conjunctivitis (in neonates ≤ 14 days old)
- Gonorrhea
- Granuloma inguinale
- Herpes Simplex Virus (HSV) (in infants up to 60 days old with disseminated infection with involvement of liver, encephalitis and infections limited to skin, eyes and mouth; anogenital in children ≤ 12 years old)
- Human papilloma virus (HPV) (associated laryngeal papillomas or recurrent respiratory papillomatosis in children ≤ 6 years old; anogenital in children ≤ 12 years)
- Lymphogranuloma venereum (LGV)
- Syphilis
- ☎ Syphilis (in pregnant women and neonates)

TB CONTROL – (813) 307-8015 x 4758 Fax- (813) 975-2014

- Tuberculosis (TB)

CANCER – Tumor Registry Database

- + Cancer (except non-melanoma skin cancer, and including benign and borderline intracranial and CNS tumors)

EPIDEMIOLOGY – (813) 307-8010 Fax (813) 276-2981

- ! Any disease outbreak
- ! Any case, cluster of cases, or outbreak of a disease or condition found in the general community or any defined setting such as a hospital, school or other institution, not listed below that is of urgent public health significance. This includes those indicative of person to person spread, zoonotic spread, the presence of an environmental, food or waterborne source of exposure and those that result from a deliberate act of terrorism.
- Amebic encephalitis
- Anaplasmosis
- ! Anthrax
- Arsenic poisoning
- ! Botulism (foodborne, wound, unspecified, other)
- Botulism (infant)
- ! Brucellosis
- California serogroup virus (neuroinvasive and non-neuroinvasive disease)
- Campylobacteriosis
- Carbon monoxide poisoning
- ! Cholera
- Ciguatera fish poisoning (Ciguatera)
- Congenital anomalies
- Creutzfeldt-Jakob disease (CJD)

- Cryptosporidiosis
- Cyclosporiasis
- Dengue
- ! Diphtheria
- Eastern equine encephalitis virus disease (neuroinvasive and non-neuroinvasive)
- Ehrlichiosis
- Encephalitis, other (non-arboviral)
- ☎ Enteric disease due to:
Escherichia coli, O157:H7
Escherichia coli, other pathogenic
E. coli including entero- toxigenic, invasive, pathogenic, hemorrhagic, aggregative strains and shiga toxin positive strains
- Giardiasis (acute)
- ! Glanders
- ! *Haemophilus influenzae* (meningitis and invasive disease)
- Hansen's disease (Leprosy)
- ☎ Hantavirus infection
- ☎ Hemolytic uremic syndrome
- ☎ Hepatitis A
- Hepatitis B, C, D, E, and G
- Hepatitis B surface antigen (HBsAg) (positive in a pregnant woman or a child up to 24 months old)
- ! Influenza due to novel or pandemic strains
- ☎ Influenza-associated pediatric mortality (in persons < 18 years)
- Lead Poisoning (blood lead level ≥ 10µg/dL); additional reporting requirements exist for hand held and/or on-site blood lead testing technology, see 64D-3 FAC
- Legionellosis
- Leptospirosis
- ☎ Listeriosis
- Lyme disease
- Malaria
- ! Measles (Rubeola)
- ! Melioidosis
- Meningitis (bacterial, cryptococcal, mycotic)
- ! Meningococcal disease (includes meningitis and meningococcemia)
- Mercury poisoning
- Mumps
- ☎ Neurotoxic shellfish poisoning
- ☎ Pertussis
- Pesticide-related illness and injury
- ! Plague
- ! Poliomyelitis, paralytic and non-paralytic
- Psittacosis (Ornithosis)
- Q Fever
- ☎ Rabies (human, animal)
- ! Rabies (possible exposure)

- ! Ricin toxicity
- Rocky Mountain spotted fever
- ! Rubella (including congenital)
- St. Louis encephalitis (SLE) virus disease (neuroinvasive and non-neuroinvasive)
- Salmonellosis
- Saxitoxin poisoning (including paralytic shellfish poisoning)(PSP)
- ! Severe Acute Respiratory Syndrome-associated Coronavirus (SARS-CoV) disease
- Shigellosis
- ! Smallpox
- ☎ *Staphylococcus aureus* (infection with intermediate or full resistance to vancomycin, VISA, VRSA)
- ☎ *Staphylococcus enterotoxin B* (disease due to)
- Streptococcal disease (invasive, Group A)
- *Streptococcus pneumoniae* (invasive disease)
- Tetanus
- Toxoplasmosis (acute)
- Trichinellosis (Trichinosis)
- ! Tularemia
- ☎ Typhoid fever
- ! Typhus fever (disease due to *Rickettsia prowazekii* infection)
- Typhus fever (disease due to *Rickettsia typhi*, *R. felis* infection)
- ! Vaccinia disease
- Varicella (Chickenpox)
- Varicella mortality
- ! Venezuelan equine encephalitis virus disease (neuroinvasive and non-neuroinvasive)
- Vibriosis (Vibrio infections)
- ! Viral hemorrhagic fevers (Ebola, Marburg, Lassa, Machupo)
- West Nile virus disease (neuroinvasive and non-neuroinvasive)
- Western equine encephalitis virus disease (neuroinvasive and non-neuroinvasive)
- ! Yellow fever

- ! = Report immediately 24/7 by phone upon initial suspicion or laboratory test order
- ☎ = Report immediately 24/7 by phone
- = Report next business day
- + = Other reporting timeframe

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:

Last Name

First Name

Address

City

Area Code + Phone Number

MI

Date of Birth (MMDDYYYY)

State

Zip Code

☐ Please check here if you would like more copies of the form

Social Security Number (no dashes)

Gender: ☐ Male ☐ Female

Ethnicity: ☐ Hispanic ☐ Non-Hispanic ☐ Unknown

Disease Specific Information:

Date of Onset: _____ Disease Fatal? ☐ Yes ☐ No

Patient Hospitalized? ☐ Yes ☐ No Discharge Date: _____

Hospital Name: _____

Medicaid Number or Insurance: _____

Pregnancy Status:
☐ Not Pregnant
☐ Pregnant

Number of Months _____

Race: ☐ White ☐ Black ☐ Asian ☐ American Indian/Alaska Native ☐ Native Hawaiian/Pacific Islander ☐ Unknown

☐ Other: _____

Disease or Condition Reporting: For HIV/AIDS and HIV exposed newborns please report per forms indicated in F.A.C. 64D-3.

Report immediately upon:

! = Initial suspicion 24/7 by phone
= Diagnosis 24/7 by phone

- ☐ Anthrax !
- ☐ Botulism, foodborne !
- ☐ Botulism, infant
- ☐ Botulism, other/wound/unspecified !
- ☐ Brucellosis !
- ☐ California serogroup virus disease
- ☐ Campylobacteriosis
- ☐ Chancroid
- ☐ Chlamydia
- ☐ Cholera !
- ☐ Ciguatera fish poisoning
- ☐ Clostridium perfringens epsilon toxin
- ☐ Conjunctivitis, in neonatal ≤ 14 days
- ☐ Creutzfeldt-Jakob disease (CJD)
- ☐ Cryptosporidiosis
- ☐ Cyclosporiasis
- ☐ Dengue
- ☐ Diphtheria !
- ☐ Eastern equine encephalitis virus disease
- ☐ Ehrlichiosis, human granulocytic (HEG)
- ☐ Ehrlichiosis, human monocytic (HME)
- ☐ Ehrlichiosis, human other or unspecified species
- ☐ Encephalitis, other (non-arboviral)

- ☐ Enteric disease due to *Escherichia coli* O157:H7 !
- ☐ Enteric disease due to other pathogenic *Escherichia coli* !
- ☐ Giardiasis (acute)
- ☐ Glanders !
- ☐ Gonorrhea
- ☐ Granuloma inguinale
- ☐ *Haemophilus influenzae*, meningitis and invasive disease !
- ☐ Hansen's disease
- ☐ Hantavirus infection !
- ☐ Hemolytic uremic syndrome !
- ☐ Hepatitis, acute A !
- ☐ Hepatitis, acute B, C, D, E, G
- ☐ Hepatitis, chronic B, C
- ☐ Hepatitis B surface antigen positive in pregnant woman or child up to 24 months
- ☐ Herpes simplex virus (HSV) in infants up to six months
- ☐ HSV anogenital in children ≤ 12 yrs
- ☐ Human papilloma virus (HPV) anogenital in children ≤ 12 yrs
- ☐ HPV associated laryngeal papillomas or recurrent respiratory papillomatosis in children ≤ 6 yrs
- ☐ HPV cancer associated strains
- ☐ Influenza – due to novel or pandemic strains !
- ☐ Influenza – associated pediatric mortality in persons < 18 yrs !
- ☐ Lead poisoning
- ☐ Legionellosis
- ☐ Leptospirosis
- ☐ Listeriosis !
- ☐ Lyme disease
- ☐ Lymphogranuloma Venereum (LGV)
- ☐ Malaria
- ☐ Measles (Rubeola) !
- ☐ Melioidosis !
- ☐ Meningitis, bacterial, cryptococcal, other mycotic
- ☐ Meningococcal disease !
- ☐ Mercury poisoning
- ☐ Mumps
- ☐ Neurotoxic shellfish poisoning
- ☐ Pertussis !
- ☐ Pesticide-related illness and injury
- ☐ Plague !
- ☐ Poliomyelitis !
- ☐ Psittacosis (Ornithosis)
- ☐ Q Fever
- ☐ Rabies, animal !
- ☐ Rabies, human !
- ☐ Rabies possible exposure (animal bite) !
- ☐ Ricin toxicity !
- ☐ Rocky Mountain spotted fever
- ☐ Rubella !
- ☐ St. Louis encephalitis virus disease
- ☐ Salmonellosis
- ☐ Saxitoxin poisoning, including paralytic shellfish poisoning (PSP)

- ☐ Severe acute respiratory syndrome (SARS) !
- ☐ Shigellosis
- ☐ Smallpox !
- ☐ *Staphylococcus aureus*, intermediate or full resistance to vancomycin !
- ☐ *Staphylococcus enterotoxin B* !
- ☐ Streptococcal disease, invasive Group A
- ☐ *Streptococcal pneumoniae*, invasive disease
- ☐ Syphilis
- ☐ Syphilis, pregnancy or neonate !
- ☐ Tetanus
- ☐ Toxoplasmosis, acute
- ☐ Trichinellosis (Trichinosis)
- ☐ Tuberculosis (TB)
- ☐ Tularemia !
- ☐ Typhoid fever !
- ☐ Typhus fever, endemic
- ☐ Typhus fever, epidemic !
- ☐ Vaccinia disease !
- ☐ Varicella (chickenpox)
Date of vaccination ____/____/____
- ☐ Varicella mortality
- ☐ Venezuelan equine encephalitis virus disease !
- ☐ Vibriosis, *Vibrio* infections
- ☐ Viral hemorrhagic fevers !
- ☐ West Nile virus disease
- ☐ Western equine encephalitis virus disease
- ☐ Yellow fever !

☐ Any Outbreak, grouping, or clustering of patients having similar disease, symptoms, syndromes: !

Provider Information:

Name:

Address:

City, State, Zip:

Phone: () _____ Provider Fax: () _____

Email: _____

Medical Information:

Diagnosis Date: _____

Test Conducted? ☐ Yes ☐ No

Please attach lab record (if available)

Lab Name: _____

Lab Test Date: _____

Lab Results: _____

Treatment Provided? ☐ Yes ☐ No

Test Method: _____

Treatment: _____

Medical Record Number: _____

County Health Department Fax: 813-276-2981
CHD After-Hours Phone Number: 813-307-8000