EpiNotes August 2013

EpiNotes

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

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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

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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

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Back to School Health Tips

Mackenzie Tewell, MA, MPH, CPH

Back to school is a time filled with anticipation and excitement for a

new year, and unfortunately, opportunities for children to come in contact with a number of illnesses. The Florida Department of Health in Hillsborough County recommends keeping children's vaccinations up to date, as well as proper hand washing, rinsing of produce and keeping school-age children home while sick as methods to prevent commonly shared illnesses.

Vaccines provide enhanced protection from a number of illnesses that children are susceptible to while attending school. They work not only to protect the vaccinated individual, but those around them. Now is the perfect opportunity to ensure your child is up to date on required and other suggested vaccinations.

The CDC provides a schedule of recommended vaccines here (http://www.cdc.gov/vaccines/schedules/downloads/child/0-18yrsschedule.pdf). Hillsborough County requires students have particular vaccination protection prior to entering each grade level, so check to here for specific requirements

(http://www.sdhc.k12.fl.us/studentservices/health_immunizations.asp)

. A number of locations offer free immunizations in Hillsborough County for uninsured, underinsured or Medicaid clients including the Florida Department of Health

(http://www.hillscountyhealth.org/absolutenm/templates/?a=232&z=1) and St. Joseph's Children's Hospital Mobile Medical Clinic (see attached flyer).

Proper hand washing is one of the simplest ways to prevent illness among school children and families. Teach children to use warm water and soap for at least 20 seconds (about the length of time it takes to sing "Happy Birthday" twice from beginning to end) before eating or preparing food, after playing outside, using the restroom, petting animals or handling their food or treats, sneezing or coughing, and being around someone who is sick. Use hand sanitizers with

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60% alcohol if hand washing is not an option. While hand sanitizers can be effective, they are not a replacement for hand washing because not all illnesses are completely eliminated with their use, such as in the case with C. Difficile and Norovirus. Therefore, hand sanitizers are best used alongside hand washing, but not as a substitute.

Finally, fresh fruits and vegetables are healthy choices for children's snacks and lunches, but without proper washing and handling, they can be a source of bacterial and parasitic infections. Produce should be thoroughly rinsed before serving, particularly berries, lettuce, peppers and sprouts.

In the case that children do become sick despite these precautionary measures, keeping sick children home from school or childcare facilities is essential to preventing further transmission to others. Children with fever, vomiting, diarrhea within the past 24 hours, sore or red throat, persistent cough or sneezing, red watery eyes, a rash, earache or drainage from ear, or excessive nasal drainage should not attend school.

CDC HAN: Investigational Drug Available Directly from CDC for the Treatment of Free-Living Ameba Infections

The new HAN, "Investigational Drug Available Directly from CDC for the Treatment of Free-Living Ameba Infections", is now available on CDC's Emergency Preparedness & Response website at: http://emergency.cdc.gov/HAN/han00354.asp

The HAN is also attached at the end of EpiNotes.

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Reportable Disease Surveillance Data

在信仰都不成为我在信仰我们,这不不让有我们不不会以这有些都会也在想我们东西就是他的老这里是这么老的这个我会也这个人不会我我们不成么不成就就会这这个人也 **Annual Totals** Year-to-date **Disease Category** 3 Year Jan-July Jan-July 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

42.67

0.33

Hepatitis +HBsAg in Pregnant Women

Hepatitis D, E, G

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Reportable Disease Surveillance Data

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11.33

Vibriosis

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Reportable Disease Surveillance Data

Annual Totals Year-to-date **Disease Category** 3 Year Jan-July Jan-July 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



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 *Reporting requirements for laboratories differ		ditions in Florida Practit		
	HIV – (813) 307-8011	•	Cryptosporidiosis		Ricin toxicity
750,	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	<u> </u>	Shigellosis
•	Gonorrhea	211	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	7111	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;	<u> </u>	Giardiasis (acute)	200	to)
	anogenital in children ≤ 12 years old)		Glanders Haemophilus influenzae (meningitis and	•	Streptococcal disease (invasive, Group A)
١.	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)	711	Hantavirus infection	•	Toxoplasmosis (acute)
	Syphilis	211	Hemolytic uremic syndrome	•	Trichinellosis (Trichinosis)
200	Syphilis (in pregnant women and neonates)	200	Hepatitis A	!	Tularemia
тв со	NTROL - (813) 307-8015 x 4758	•	Hepatitis B, C, D, E, and G	211	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 Rickettsia prowazekii infection)
•	Tuberculosis (TB)		to 24 months old)	•	Typhus fever (disease due to Rickettsia
CANC	ER – Tumor Registry Database Cancer (except non-melanoma skin cancer,	_ !	Influenza due to novel or pandemic strains		typhi, R. felis infection) Vaccinia disease
+	and including benign and borderline	711	Influenza-associated pediatric mortality (in persons < 18 years)	<u> </u>	Varicella (Chickenpox)
FPIDE	intracranial and CNS tumors) MIOLOGY – (813) 307-8010		Lead Poisoning (blood lead level ≥ 10µg/dL);	•	Varicella mortality
	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-
	Any case, cluster of cases, or outbreak of a disease or condition found in the general	•	Legionellosis	•	neuroinvasive) 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	200	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)	<u> </u>	Yellow fever
•	Amebic encephalitis	!	Melioidosis		
•	Anaplasmosis	•	Meningitis (bacterial, cryptococcal, mycotic)		
!	Anthrax	Į.	Meningococcal disease (includes meningitis	!	= Report immediately 24/7 by phone
•	Arsenic poisoning		and meningococcemia)		upon initial suspicion or laboratory test order
!	Botulism (foodborne, wound, unspecified, other)	•	Mercury poisoning	1	= Report immediately 24/7
	Botulism (infant)	•	Mumps Neurotoxia challfish paiganing		by phone
	Brucellosis		Neurotoxic shellfish poisoning Pertussis	•	= Report next business day
•	California serogroup virus (neuroinvasive	•	Pesticide-related illness and injury	+	Other reporting timeframe
	and non-neuroinvasive disease)		Plague		
•	Campylobacteriosis		Poliomyelitis, paralytic and non-paralytic		
•	Carbon monoxide poisoning		Psittacosis (Ornithosis)		
!	Ciguatora fish poisoning (Ciguatora)		Q Fever		
•	Ciguatera fish poisoning (Ciguatera)	Ship.	Rabies (human, animal)		
•	Congenital anomalies		Debice (marsible expense)		

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

Mobile Medical Clinic

Providing Free Well Child Physicals and Immunizations

Site	Date	Time	Appointment Info
Brandon CBFRC	May 2	3pm-7pm	Call for appointment
Sulphur Springs Resource Center	May 7	3pm-7pm	Call for appointment
Central Tampa CBFRC	May 9	4pm-7pm	Call for appointment
East County CBFRC	May 14	4pm-7pm	Call for appointment
North Tampa CBFRC	May 15	10am-2pm	Call for appointment
Layla's House	May 21	2pm-6pm	Call for appointment
Town & Country	May 23	3pm-7pm	Call for appointment
Sulphur Springs Resource Center	June 4	3pm-7pm	Call for appointment
Brandon CBFRC	June 6	3pm-7pm	Call for appointment
Hispanic Outreach Center (Pinellas)	June 11	3pm-7pm	Call for appointment
Layla's House	June 18	2pm-6pm	Call for appointment
North Tampa CBFRC	June 19	10am-2pm	Call for appointment
South County CBFRC	June 25	3pm-7pm	Call for appointment
Town & Country CBFRC	June 27	3pm-7pm	Call for appointment
Sulphur Springs Resource Center	July 2	3pm-7pm	Call for appointment
Brandon CBFRC	July 10	3pm-7pm	Call for appointment
Layla's House	July 16	2pm-6pm	Call for appointment
North Tampa CBFRC	July 17	10am-2pm	Call for appointment
Central Tampa CBFRC	July 23	4pm-7pm	Call for appointment
Town & Country CBFRC	July 25	3pm-7pm	Call for appointment
East County CBFRC	July 30	4pm-7pm	Call for appointment
Brandon CBFRC	August 1	3pm-7pm	Call for appointment
Sulphur Springs Resource Center	August 6	3pm-7pm	Call for appointment
North Tampa CBFRC	August 7	10am-2pm	Call for appointment
South County CBFRC	August 8	3pm-7pm	Call for appointment
Hispanic Outreach Center (Pinellas)	August 13	3pm-7pm	Call for appointment
Town & Country CBFRC	August 14	3pm-7pm	Call for appointment
Layla's House	August 27	2pm-6pm	Call for appointment

Children are eligible to visit the Mobile Medical Clinic if they are 18 years old or under and:

- Are enrolled in Medicaid
- **OR** have no health insurance
- **OR** are American Indians or Alaskan Natives

Please be aware we cannot provide sports physicals

(813) 936-3064

CBFRC in Town & Country 7520 West Waters Ave Tampa, FL 33615 (813) 356-1703	Layla's House 1506 E. Eskimo St Tampa, FL 33604 (813) 443-5004	CBFRC in Central Tampa 1002 E. Palm Ave. Tampa, FL 33605 (813) 204-1741	CBFRC in East County 639 E. Alexander St. Plant City, FL 33563 (813) 752-8700
CBFRC in North Tampa	Sulphur Springs	CBFRC in Brandon	CBFRC in South County
1401 East Fowler Ave	Resource Center	1271 Kingsway Rd	3032 E College Ave
Tampa, FL 33612	8412 N 12 th St	Brandon, FL 33510	Ruskin, FL 33570
(813) 558-1877	Tampa, FL 33604	(813) 740-4634	(813) 641-5600

Mobile Medical Clinic:

All children must come with their legal guardian

Please bring the following items when visiting the

- The legal guardian must bring a photo ID
- EVERY child must come with an immunization record (whether they need shots or not)

Note: The following site is located in Pinellas County:

Hispanic Outreach Center 612 Franklin St. Clearwater, FL 33756 Tel: (727) 445-9734 ext.

209 Mari Rodriguez

La Clínica Móvil

Ofrece Exámenes de Salud y Vacunas Gratuitas

Sitio	Fecha	Hora	Información
Brandon CBFRC	2 de Mayo	3pm-7pm	Llame para la cita
Sulphur Springs Resource Center	7 de Mayo	3pm-7pm	Llame para la cita
Central Tampa CBFRC	9 de Mayo	4pm-7pm	Llame para la cita
East County CBFRC	14 de Mayo	4pm-7pm	Llame para la cita
North Tampa CBFRC	15 de Mayo	10am-2pm	Llame para la cita
Layla's House	21 de Mayo	2pm-6pm	Llame para la cita
Town & Country	23 de Mayo	3pm-7pm	Llame para la cita
Sulphur Springs Resource Center	4 de Junio	3pm-7pm	Llame para la cita
Brandon CBFRC	6 de Junio	3pm-7pm	Llame para la cita
Hispanic Outreach Center (Pinellas)	11 de Junio	3pm-7pm	Llame para la cita
Layla's House	18 de Junio	2pm-6pm	Llame para la cita
North Tampa CBFRC	19 de Junio	10am-2pm	Llame para la cita
South County CBFRC	25 de Junio	3pm-7pm	Llame para la cita
Town & Country CBFRC	27 de Junio	3pm-7pm	Llame para la cita
Sulphur Springs Resource Center	2 de Julio	3pm-7pm	Llame para la cita
Brandon CBFRC	10 de Julio	3pm-7pm	Llame para la cita
Layla's House	16 de Julio	2pm-6pm	Llame para la cita
North Tampa CBFRC	17 de Julio	10am-2pm	Llame para la cita
Central Tampa CBFRC	23 de Julio	4pm-7pm	Llame para la cita
Town & Country CBFRC	25 de Julio	3pm-7pm	Llame para la cita
East County CBFRC	30 de Julio	4pm-7pm	Llame para la cita
Brandon CBFRC	1 de Agosto	3pm-7pm	Llame para la cita
Sulphur Springs Resource Center	6 de Agosto	3pm-7pm	Llame para la cita
North Tampa CBFRC	7 de Agosto	10am-2pm	Llame para la cita
South County CBFRC	8 de Agosto	3pm-7pm	Llame para la cita
Hispanic Outreach Center (Pinellas)	13 de Agosto	3pm-7pm	Llame para la cita
Town & Country CBFRC	14 de Agosto	3pm-7pm	Llame para la cita
Layla's House	27 de Agosto	2pm-6pm	Llame para la cita

Su niño califica para visitar la clínica móvil si es menor de 18 años de edad y:

- Tiene Medicaid;
- O no tiene seguro medico;
- O es un Indio Americano o Nativo de Alaska

No se hacen exámenes para deportes

CBFRC in	Layla's House	CBFRC in
Town & Country	1506 E. Eskimo St	Central Tampa
7520 West Waters Ave	Tampa, FL 33604	1002 E. Palm Ave.
Tampa, FL 33615 (813) 356-1703	(813) 443-5004	Tampa, FL 33605 (813) 204-1741
CBFRC in North Tampa	Sulphur Springs Resource Center	CBFRC in Brandon

(813) 936-3064

CBFRC in Brandon 1271 Kingsway Rd Brandon, FL 33510 (813) 740-4634

Información necesaria:

- Identificación del padre/madre con una foto
- Una copia del registro de vacunas de cada niño
- Cada niño necesita venir acompañado de su padre/madre o tutor legal.

CBFRC in East County 639 E. Alexander St. Plant City, FL 33563 (813) 752-8700

CBFRC in South County 3032 E College Ave

3032 E College Ave Ruskin, FL 33570 (813) 641-5600 Atención: El sitio que sigue está localizado en el condado de Pinellas...

Hispanic Outreach Center

612 Franklin St. Clearwater, FL 33756 Tel: (727) 445-9734 ext. 209 Mari Rodriguez

Response



(/HAN) This is an official DC HAN INFOService

Distributed via the CDC Health Alert Network August 23, 2013, 11:30 ET (11:30 AM ET) HANINFO-00354

Investigational Drug Available Directly from CDC for the Treatment of Free-Living Ameba Infections

Summary

CDC now has an expanded access investigational new drug (IND) protocol in effect with the Food and Drug Administration (FDA) to make miltefosine available directly from CDC to clinicians for treatment of free-living ameba (FLA) infections in the United States.

Background

Infections caused by FLA are severe and life-threatening. These infections include primary amebic meningoencephalitis (PAM) caused by Naegleria fowleri* and granulomatous amebic encephalitis caused by Balamuthia mandrillaris† and Acanthamoeba species. § Although several drugs have in vitro activity against FLA, mortality from these infections remains greater than 90% despite treatment with combinations of drugs.

Miltefosine is a drug used to treat leishmaniasis and also has shown in vitro activity against FLA (1), but as an investigational drug, it has not been readily available in the United States. With CDC assistance, however, miltefosine has been administered in combination with other drugs since 2009 for FLA infections as single-patient emergency use with permission from the Food and Drug Administration. Although the number of B. mandrillaris and Acanthamoeba species infections treated with a miltefosine-containing regimen is small, it appears that a miltefosine-containing treatment regimen does offer a survival advantage for these usually fatal infections (2). Miltefosine has not been used successfully to treat a Naegleria infection, but the length of time it has taken to import miltefosine from abroad has made timely treatment of fulminant Naegleria infections with miltefosine difficult.

CDC now has an expanded access IND protocol in effect with the Food and Drug Administration to make miltefosine available directly from CDC for treatment of FLA in the United States. The expanded access IND use of miltefosine for treatment of FLA is partly supported by 26 case reports of FLA infection from around the world during the period of 2008-2012 in which miltefosine was part of the treatment regimen (Unpublished data, Division of Foodborne, Waterborne, and Environmental Diseases, National Center for Emerging and Zoonotic Infectious Diseases, CDC, 2013). Miltefosine is generally well-tolerated, with gastrointestinal symptoms as the most commonly reported adverse effects.

Recommendations

Clinicians who suspect they have a patient with FLA infection who could benefit from treatment with miltefosine should contact CDC to consult with an FLA expert. See the For More Information section below for information on contacting a CDC FLA expert.

For More Information

- For diagnostic assistance, specimen collection guidance, specimen shipping instructions, treatment recommendations, and information on obtaining miltefosine from CDC, clinicians should contact the CDC Emergency Operations Center at 770-488-7100 to request to speak to an FLA expert.
- For more information on diagnostic assistance specimen collection guidance and specimen shipping instructions, see http://www.cdc.gov/parasites/naegleria/diagnosis-hcp.html (http://www.cdc.gov/parasites/naegleria/diagnosis-hcp.html).
- For Naegleria fowleri treatment recommendations, see http://www.cdc.gov/parasites/naegleria/treatment-hcp.html (http://www.cdc.gov/parasites/naegleria/treatment-hcp.html).
- For the MMWR Notice to Readers on this topic, see http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6233a4.htm?s cid=mm6233a4 w (http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6233a4.htm?s_cid=mm6233a4_w).

References

1. Schuster FL, Guglielmo BJ, Visvesvara GS. In-vitro activity of miltefosine and voriconazole on clinical isolates of free-living amebas: Balamuthia mandrillaris, Acanthamoeba spp., and Naegleria fowleri. J Eukaryot Microbiol 2006;53:121-6.

Cope JR, Roy SL, Yoder JS, Beach MJ. Improved treatment of granulomatous amebic encephalitis and other infections caused by *Balamuthia mandrillaris* and *Acanthamoeba* species [Poster]. Presented at CSTE Annual Conference, Pasadena, CA, June 9–13, 2013. Available at http://www.cste2.org/confpresentations/uploadedfiles/cste%202013%20miltefosine%20Poster%20final.pdf
 (http://www.cste2.org/confpresentations/uploadedfiles/cste%202013%20miltefosine%20Poster%20final.pdf).

Endnotes

- * Additional information available at http://www.cdc.gov/parasites/naegleria (http://www.cdc.gov/parasites/naegleria).
- † Additional information available at http://www.cdc.gov/parasites/balamuthia).
- § Additional information available at http://www.cdc.gov/parasites/acanthamoeba (http://www.cdc.gov/parasites/acanthamoeba).

The Centers for Disease Control and Prevention (CDC) protects people's health and safety by preventing and controlling diseases and injuries; enhances health decisions by providing credible information on critical health issues; and promotes healthy living through strong partnerships with local, national, and international organizations.

DEPARTMENT OF HEALTH AND HUMAN SERVICES

HAN Message Types

- Health Alert: Conveys the highest level of importance; warrants immediate action or attention. Example: HAN00001 (/HAN/han00001.asp)
- Health Advisory: Provides important information for a specific incident or situation; may not require immediate action. <u>Example: HAN00346</u> (/HAN/han00346.asp)
- **Health Update:** Provides updated information regarding an incident or situation; unlikely to require immediate action. <u>Example: HAN00342</u> (/HAN/han00342.asp)
- Info Service: Provides general information that is not necessarily considered to be of an emergent nature. Example: HAN00345 (/HAN/han00345.asp)

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This message was distributed to state and local health officers, state and local epidemiologists, state and local laboratory directors, public information officers, HAN coordinators, and clinician organizations.

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Additional Resources

- HAN Archive By Year (/HAN/dir.asp)
- HAN Types (/HAN/hantable.asp)
- Sign Up for HAN E-mail Updates (/HAN/updates.asp)
- HAN Jurisdictions (/HAN/hanjuris.asp)
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