Florida's Public Health Surveillance Strategies for Detection of Cyanobacteria-related Illness

Andrew Reich, MS, MSPH
Coordinator
Aquatic Toxins Program
Public Health Toxicology Section
Bureau of Epidemiology
Division of Disease Control and Health Protection

Public Health

Susceptible Populations ?

- Elderly
- Immuno-suppressed
- Underlying disease: Asthma
- Pregnant women, fetus
- Children
- People with extended exposure periods

Potential Exposure Pathways

Direct Skin Contact

Ingestion of Food

Incidental Ingestion

Drinking Water

Inhalation of Aerosols

Cyanobacteria Blooms in Florida

Public Health Surveillance Tools

- EpiCom: Public Health Bulletin Board

- Florida Poison Information Centers
  - Tampa, Jacksonville, Miami
    Aquatic Toxins Hotline

- Florida Reportable Disease System
  - Merlin

- ESSENCE
  - Syndromic Surveillance
    Includes Florida Hospital ED and Acute Care Facility data

FDOH EpiCom System

- EpiCom is a web-board
  - Part of Florida DOH Emergency Notification System (FDENS)
- Immediate, Real Time Exchange of Information
  - Disease Outbreaks, Incidents
- Subscribers include Health Care Practitioners in Florida
  - Physicians, County Health Departments, etc.
- All postings reviewed by Moderator
- Restricted Access via User Name / Password

FDOH EpiCom System

Discussion Forum - Florida Depaitment of Health

https://epicomfl.com/default.asp

File Edit View Favorites Tools Help

Convert Select

FLHAN | Discussion Forum

Page Tools

Forums | Inbox | Search | Active Topics | View My Profile | Edit Preferences | Dashboard | Exit

Welcome **Andrew Reich**

The time now is 5:06:34 PM

Latest Forum Posts

Florida Flu Review - 2012 - 2013 Season - Wednesday, May 15, 2013 at 4:42:48 PM
Vaccine Preventable Diseases 2013 - Pertussis - Tuesday, May 14, 2013 at 4:40:36 PM
Zoonotic Diseases - Rabies Alerts - Tuesday, May 14, 2013 at 4:28:31 PM
Norovirus and NLV - 2013 Outbreaks - Tuesday, May 14, 2013 at 1:25:06 PM
ILI and Seasonal Influenza - ILI and Seasonal Influenza Outbreaks 2012-2013 - Tuesday, May 14, 2013 at 8:43:49 AM
Arboviral Diseases - 2013 Mosquito-borne Disease Summaries - Monday, May 13, 2013 at 5:57:11 PM

Forum Statistics

There are 6971 Posts in 342 Topics in 54 Forums
Last Post on Wednesday, May 15, 2013 at 4:42:48 PM
Last Post by rubinohx
There are 1570 Forum Members
The Newest Forum Member is rodriguezhe1

Page 1 of 3

Forum View All Expand Topics	Posts	Last Post
County Health Department Newsletters		
2010 Haiti Earthquake		
2011 Japanese Earthquake		
2012 Hurricane Season		
Anthrax		
Antimicrobial Resistance		
Aquatic Toxins		
Blue Green Algae	16	Wednesday, June 16, 2010 at 2:55:25 PM By reichar
Red Tide	267	Monday, March 25, 2013 at 2:23:01 PM By reichar
Arboviral Diseases		
Avian Flu		

Aquatic Toxins "Forum"

Blue Green Algae

FDOH EpiCom System

EpiCom

The Florida Department of Health

Forums | Inbox | Search | Active Topics | View My Profile | Edit Preferences | Dashboard | Exit

Welcome **Andrew Reich**

<<Information contained on this page is intended for registered members of FDENS only. Please do not distribute>>

All Forums

Aquatic Toxins

Topic: Blue Green Algae

Post Message

Andrew Reich on June/16/2010 at 2:55 PM | User Profile | Search | Edit | Delete

Message ID : **7070** Message Title : **St. Johns River Health Advisories Issued for Algal Blooms and Fish Kills** Criticality : **Health Advisory - Medium**

FDOH CHD Health Advisories Issued by Duval and St. Johns for Cyanobacteria Bloom in St Johns River

State health officials continue to monitor the most recent fish kill on the St. Johns River. Teams from the Florida Fish and Wildlife Conservation Commission, St. Johns River Water Management District, Florida Department of Environmental Protection, Florida Department of Health and the Duval and St. Johns County Health Departments continue to investigate the situation. The cause of the kill has not yet been determined.

Please see attachments for individual CHD health advisory statements and recommendations. Contact information is also provided in these advisories.

St Johns CHD Health Advisory

Duval CHD Health Advisory

Documents Attached

Andrew Reich on June/09/2010 at 9:13 AM | User Profile | Search | Edit | Delete

Message ID : **7048** Message Title : **Cyanobacteria Bloom in St Johns River** Criticality : **General Information**

Andrew Reich on August/12/2009 at 4:09 PM | User Profile | Search | Edit | Delete

Message ID : **6017** Message Title : **Duval CHD Issues Health Advisory for St. Johns River for Cyanobacteria 8-11-09** Criticality : **Health Advisory - Medium**

Andrew Reich on August/30/2007 at 10:15 AM | User Profile | Search | Edit | Delete

Message ID : **4353** Message Title : **Blue Green Algae (Cyanobacteria) Recommended Response Guidelines** Criticality : **NOTIFICATION**

Andrew Reich on August/21/2007 at 11:20 AM | User Profile | Search | Edit | Delete

Message ID : **4330** Message Title : **AWWA Seminar on Health Effects of BG Algae** Criticality : **NOTIFICATION**

Andrew Reich on August/15/2007 at 3:51 PM | User Profile | Search | Edit | Delete

Message ID : **4325** Message Title : **Two Cyanobacteria (Blue Green Algae) Blooms in SFWMD Jurisdiction** Criticality : **NOTIFICATION**

Andrew Reich on August/29/2006 at 11:53 AM | User Profile | Search | Edit | Delete

Message ID : **3546** Message Title : **SFWMD Newsletter with BG Algae Article** Criticality : **NOTIFICATION**

FDOH EpiCom System

- Automatic Email Update to Subscribers (600 registered)
- Subject: EpiCom – New Post Forum: Aquatic Toxins

EpiCom - New Post Forum: Aquatic Toxins Topic: Red Tide - Message (HTML)

File Message

From: EpiCom <automated_email@epicomfl.com>
To: Reich, Andy
Cc:
Subject: EpiCom - New Post Forum: Aquatic Toxins Topic: Red Tide
Sent: Mon 3/25/2013 2:2

Hello Andrew,

Please do not reply to this Email. You are receiving this Message as a designated User of the Florida EpiCom System. If you no longer wish to receive Notification of New Postings in EpiCom, Please Login to EpiCom and update your user Profile.

Forum: Aquatic Toxins
Topic: Red Tide
Posted By: Andrew
Message Title: NOAA Red Tide Bulletin SW FL and Keys 3-25-13 patchy moderate respiratory impacts possible
Message:

Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

Monday, 25 March 2013

NOAA National Ocean Service - NOAA Satellite and Information Service - NOAA National Weather Service

Conditions Report

Background to medium concentrations of Karenia brevis (commonly known as Florida Red Tide) are present along- and offshore southwest Florida, as well as offshore the lower Florida Keys. In the bay regions of Charlotte County, patchy very low respiratory impacts are possible today through Thursday. **In the bay regions of northern and central Lee County, patchy moderate respiratory impacts are possible today through Thursday.** No respiratory impacts are expected elsewhere alongshore southwest Florida, including the Florida Keys, today through Thursday, March 28.

Florida Poison Information Centers

1-800-222-1222

POISON Help 1-800-222-1222

- Staffed by doctors, nurses and pharmacists
- Speak with a poison specialist
- Free, confidential service: 24/7, 365
- 3 Centers receive 550-600 total calls/ day
- > 25,000 calls since 1998 on Aquatic Toxins

Florida Poison Information Centers

FPICN Query Builder

Welcome to Florida Poison Information Center Network's Query Builder

Disclaimer

The use of the Florida Poison Information Center Network (FPICN) database for clinical or epidemiological decision support requires an understanding of the underlying premise by which the FPICN centers collect data, assumptions made when collecting data, the limitations of the data collected and coded, and the structural constraints of the FPICN database.

It is strongly suggested that the non-FPICN user of the FPICN web-based query tool discuss the results of all queries with a director or medical director of one of the FPICN Centers prior to using the information obtained for patient care or decisions related to public health initiatives.

Click here to acknowledge understanding of this notice

©2001-2010 Florida Poison Information Center - Jacksonville

FPICN Query Builder

Please sign in Below

User ID:

Password:

Sign In

©2001-2010 Florida Poison Information Center - Jacksonville

Florida Poison Information Centers

FPICN Query Builder

New Query
Load Query
Save Query
View by Case Number
HCF Caller Report
FLU Hotline Report
Deepwater Horizon
Response Report
Time-Lapse Map
Logout

Query Builder Navigation
General | Caller | Substance | Exposure | Effects | Therapies | Scenarios | Info | Report | Results

General Information

Call Type(s) to include:
- Exposures Only
- Critical Case Exposures Only
- Information Requests Only
- All Calls

Reporting Center:
All
Jacksonville
Miami
Tampa
Hold CTRL for multiple selections

Date From: click on calendar
Date To: click on calendar

Date Type:
- Date of Call
- Date of Exposure

Address Type:
- Caller Address
- Patient Address

Next

Query Builder

Types of Calls

Call Center

Dates of Interest

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FPICN Query Builder

Query Builder Navigation

General | Caller | Substance | Exposure | Effects | Therapies | Scenarios | Info | Report | **Results**

Query Builder Results Print | Export | Excel - As shown below | Show Query

Counts

Caller Count:9 Exposure Count:16 Substance Count:16

	Caller County	Caller Zip Code	Exposure Date	Exposure Zip Code	Exposure County
	SAINT JOHNS	320	08/17/2005	320	Saint Johns
	SAINT JOHNS	320	08/17/2005	320	Saint Johns
	DUVAL	320	08/17/2005	320	Duval
	DUVAL	322	08/13/2005	322	Duval
	DUVAL	322	08/13/2005	322	Duval
	DUVAL	320	08/23/2005	320	Duval
	DUVAL	320	08/23/2005	320	Duval
	DUVAL	320	08/23/2005	320	Duval
	DUVAL	320	08/23/2005	320	Duval
	DUVAL	320	08/21/2005	320	Duval
	DUVAL	320	08/21/2005	320	Duval
	MIAMI-DADE	331	07/20/2006	347	Lake
	MIAMI-DADE	331	07/21/2006	331	Miami-Dade
	MIAMI-DADE	331	11/27/2006	331	Miami-Dade
	BROWARD	330	11/28/2006	330	Broward
	Walton	324	04/01/2011	324	Walton

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Case Record – HIPAA Protected Information

Florida Poison Information Center Network - M1388942

Florida Poison Information Center Network

Information displayed below contains protected health information and is intended for the sole use of individuals with the proper credentials to log onto this system. Additional disclosure, copying or distribution may be prohibited by HIPAA regulations.

Poison Help 1-800-222-1222

Exposure #M1388942	Center Originating Call	Closing Call	Multiple Exposure
	FPICN - Miami	FPICN - Miami	Patient 1 of 2

Printed on Fri May 17 11:16:17 EDT 2013

Caller Information

Call Received: Wednesday, August 17, 2005 23:49
Caller Name [redacted]
Title: (none)
Relationship to Patient: Father

Caller Phone: [redacted]
Caller Site: Own Residence
Caller Address: [redacted]
Saint Augustine , FLORIDA [redacted]
County: SAINT JOHNS

Patient Information

Patient Name: [redacted]
Species: Human
Age: 21 YEARS
Gender: Male
Weeks Pregnant: 0
Weight: 0 lb

Patient Phone: [redacted]
Patient Addres [redacted]
Saint Augustine , FLORIDA [redacted]

Exposure Information

Exposure Date/Time: August 17, 2005 ?
Reason: Unintentional -- Environmental

Exposure Site: Public Area
Status: Closed

Substance(s) Information

Substance: BLUE-GREEN ALGAE
Formulation: Other
Acuity: Acute
Categories: BLUE-GREEN ALGAE
Routes: Dermal

Amount: unknown
Acuity Duration: (none)

AAPCC Code: 3067843
Certainty: (none)
Generic Code: 201107

Clinical Effects

Description	Relation
Erythema/flushed	Related
Irritation/pain - Dermal	Related
Rash	Related
Other	Related

Therapies

Description	Recommended	Performed
Dilute/Irrigate/Wash	Y	Y

https://fpicn.info/caseView/exposure.asp?ID=1388942&Center=2&H=Y[5/17/2013 11:18:46 AM]

Florida Poison Information Center Network - M1388942

Antibiotics	Y	Y
Other	Y	N
Fresh Air	Y	Y

Comments

Wednesday, August 17, 2005 11:49:32 PM **Followup:**N **Specialist:**Earlene CACCIOLA (2177)

2215HRS PC FROM MAN SAYING HIS TWO SONS HAVE BEEN EXPOSED TO BLUE GREEN ALGAE/YOUNGER SON WAS FISHING IN ALGAE INFESTED WATER AND FOR PAST 3DAYS HE HAS HAD CONGESTION, RUNNY NOSE, WATERY EYES, COUGH/OLDER SON HAS CHIGGER BITES ON ANKLES THAT LOOK INFECTED SINCE HE HAS BEEN WADING THROUGH BLUE GREEN ALGAE WATERS/BOTH SONS ARE SCHEDULED FOR MEDICAL EVALUATION IN AM/CALLER SAW NEWS REPORT REGARDING THE ALGAE INFESTATIONS IN ST JOHNS RIVER/PIC ADV SUPPORTIVE CARE RECOMMENDED/BOTH SONS ARE UP TO DATE WITH TETANUS BOOSTERS/DO NOT EAT ANY FISH FROM ALGAE INFESTED WATERS

Outcome

Med Outcome: Unable to follow - Judged as a potentially toxic exposure
Clinical Duration: (none)
Initial HCF: Physician's office
Final HCF:

Management Site: Other (code)
Consultant(s):

Notes

Special call designation: Blue-Green Algae - Miami

Food Poisioning Report Filed: No
Pesticide Poisioning Report Filed : No

HIPAA Notice: This report contains personal information in dark red and is confidential under HIPAA.

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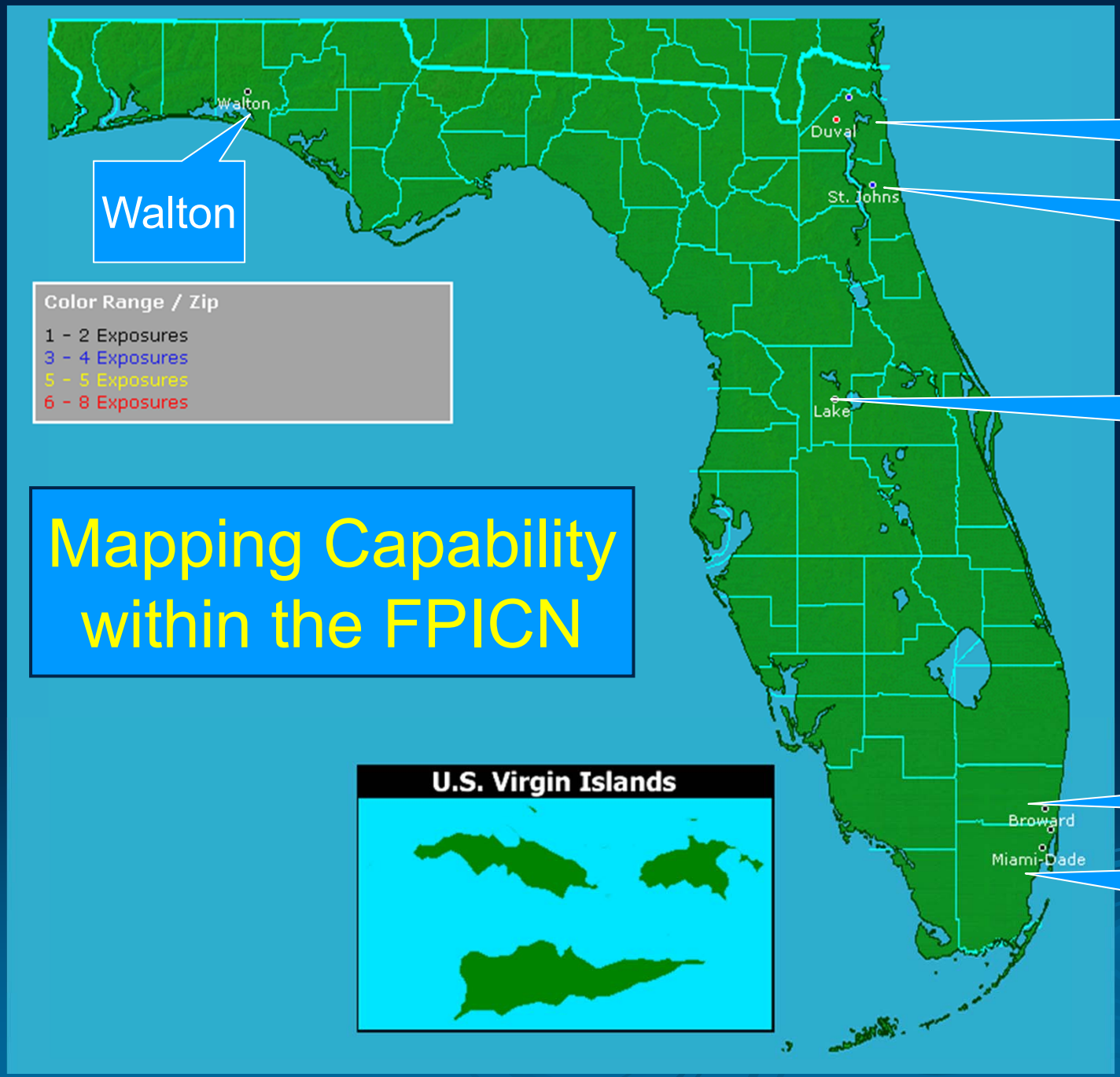
Mapping Capability within the FPICN



Florida Reportable Diseases

Reportable Diseases/Conditions in Florida

Practitioner* List 11/24/08

Did you know that you are required by Florida statute to report certain diseases to your local county health department?**

*Reporting requirements for laboratories differ. For specific information on disease reporting, consult Rule 64D-3, *Florida Administrative Code (FAC)*.

! = 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

- ! 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.
- Acquired Immune Deficiency Syndrome (AIDS)+
- Amebic encephalitis•
- Anaplasmosis•
- ! Anthrax
- Arsenic poisoning•
- ! Botulism (foodborne, wound, unspecified, other)
- Botulism (infant)•
- ! Brucellosis
- California serogroup virus (neuroinvasive and non-neuroinvasive disease)•
- Campylobacteriosis•
- Cancer (except non-melanoma skin cancer, and including benign and borderline intracranial and CNS tumors)+
- Carbon monoxide poisoning•
- Chancroid•
- Chlamydia•
- ! Cholera
- Ciguatera fish poisoning (Ciguatera)•
- Congenital anomalies•
- Conjunctivitis (in neonates ≤ 14 days old)•
- 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•
- ! Glanders
- Gonorrhea•
- Granuloma inguinale•
- ! *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)•
- 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 yrs)•
- Human Immunodeficiency Virus (HIV) infection (all, and including neonates born to an infected woman, exposed newborn)+
- Human papillomavirus (HPV) (associated larygneal papillomas or recurrent respiratory papillomatosis in children ≤ 6 years of age; anogenital in children ≤ 12 yrs)•
- ! Influenza due to novel or pandemic strains
- ☎ Influenza-associated pediatric mortality (in persons aged < 18 yrs)
- 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•
- Lymphogranuloma venereum (LGV)•
- 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*, community associated mortality•
- ☎ *Staphylococcus aureus* (infection with intermediate or full resistance to vancomycin, VISA,VRSA)
- ☎ Staphylococcal enterotoxin B (disease due to)
- Streptococcal disease (invasive, Group A)•
- *Streptococcus pneumoniae* (invasive disease)•
- Syphilis•
- ☎ Syphilis (in pregnant women and neonates)
- Tetanus•
- Toxoplasmosis (acute)•
- Trichinellosis (Trichinosis)•
- Tuberculosis (TB)•
- ! 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

You are an invaluable part of Florida's disease surveillance system.
For more information, please call the epidemiology unit at your local county health department or the Bureau of Epidemiology, Florida Department of Health (FDOH): 850-245-4401 or visit http://www.doh.state.fl.us/disease_ctrl/epi/topics/surv.htm

HEALTH

**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 FDOH 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..."

- 3 HAB related Illnesses
  - NSP, PSP, Ciguatera
- All Health Care Providers Required to Report
  - to local FDOH Health Department
- Different Diseases have different Reporting Requirements
  - Time Frames
  - Laboratory Confirmation
  - Outbreak Definitions

Merlin: Florida Reportable Disease Database

merlin

Communicable Disease Reporting

Home | Search | Outbreak | Analysis | Resources | Task | EpiGateway | Essence | FDENS | Food Recalls | Help | Log Off

Search:

Most Recent EpiCom Posts

Post Date	Title	Topic	Forum	Criticality	Posted By
05/17/2013	Meningococcal Disease in an Infant, Brevard County	Bacterial Meningitis	Meningitis	Health Update - Low	Inman, Barry
05/15/2013	Week 19, 2012-13 Florida Flu Review	2012 - 2013 Season	Florida Flu Review	General Information	Rubino, Heather
05/14/2013	Pertussis in Vaccinated 9 year old – Levy/Marion County	Pertussis	Vaccine Preventable Diseases 2013	Health Update - Low	Kasten, Karen
05/14/2013	Rabies Alert--Lake County	Rabies Alerts	Zoonotic Diseases	Health Update - Low	Mattas, Debra
05/14/2013	GI Illness Outbreak, Assisted Living Facility, Seminole County, 5 15 13 Update	2013 Outbreaks	Norovirus and NLV	General Information	Connolly, Sarah

Message of the Day

Upcoming Trainings

Training Tuesday (2:00 PM)

May 14th: Hepatitis Extended Data Screen Updates

May 21st: Case Notes Search

May 28th: Arbovirus Surveillance

Auto-Case Creation Diseases

A new functionally has been created where Merlin will auto-create **Campylobacteriosis** and **Strep Pneumoniae, Invasive Disease** cases. When a Campy or S. Pneumoniae electronic laboratory report (ELR) is received, Merlin will process the result and attach it to an existing case if there is one, or create the shell of a new case using whatever information is available in the ELR result. Merlin will not report these cases, it will only create them for you.

If your county would like to activate this functionality, please send an email to the Merlin Helpdesk and we'll activate the functionality.

Merlin: CyanoHAB Outbreak Module

merlin

Communicable Disease Reporting

Home | Search | Outbreak | Analysis | Resources | Task | EpiGateway | Essence | FDENS | Food Recalls | Help | Log Off

Search:

People: Profiles, Contacts, Aggregate Data, Print Blank Interview

Environmental: Environmental, Settings

Labs: Lab Results, Search ELR

Analysis: Summary, Reports, Statistics, Export

Admin: Closure, Definition, Event Log, Survey, Documents

Unique ID for CyanoHAB

Cyano-HAB Illness

Symptom Pick List

Tabs Available for Data Entry

Outbreak Info

Outbreak ID: 1637
Outbreak Date: 09/22/2011
Outbreak Type: SYMPTOM/SYNDROME CLUSTER
Outbreak Name: STATE - ILLNESSES ATTRIBUTED TO ALGAL TOXIN EXPOSURES
County: STATE
Outbreak Status: OPEN

Outbreak Definition

Outbreak ID: 1637
Outbreak Name: STATE - ILLNESSES ATTRIBUTED TO ALGAL TOXIN EXPOSURES
Outbreak name will be prefixed with respective county name and a hyphen (-).
Outbreak Case Definition: PROBABLE BLOOMS=THOSE WITHOUT LAB CONFIRMATION
Update Definition
EpiCom post ID:
Corresponding EpiCom Post:

Dates

Earliest Onset Date: 09/22/2011
Date Investigation Started: 09/22/2011
CHD Notified Date: 09/22/2011
Outbreak Closure Date:
Date Last Onset:

Type

For Surveillance:
Outbreak Type: SYMPTOM/SYNDROME CLUSTER
Symptoms:

ALL
ABDOMINAL BLEEDING
ABDOMINAL RIGIDITY
ACUTE ANEMIA
ACUTE FATIGUE
AGGRESSIVE
AGITATION
ALTERED MENTAL STATUS

Add >>
<< Remove

Abdominal Cramps
ABDOMINAL PAIN
ACUTE RESPIRATORY DISTRESS SYNDROI
ALTERED TASTE
ANAPHYLAXIS
ANOREXIA/LOSS OF APPETITE
APNEA
ARTHRALGIA/JOINT PAIN

Syndrome:
A laboratory confirmed OB?
Number of People Affected:
Number of People Entered: 2

Reporter

Merlin: CyanoHAB Outbreak Module

merlin

Communicable Disease Reporting

Home | Search | Outbreak | Analysis | Resources | Task | EpiGateway | Essence | FDENS | Food Recalls | Help | Log Off

Search:

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- Profiles
- Contacts
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Survey
- Choose Template

Outbreak Info

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Outbreak Type: **SYMPTOM/SYNDROME CLUSTER**
Outbreak Name: **STATE - ILLNESSES ATTRIBUTED TO ALGAL TOXIN EXPOSURES**
County: **STATE**
Outbreak Status: **OPEN**

Outbreak Survey

Select	Order #	Survey Question	Question Type	Date Expired			
☐	1	TYPE OF PERSON PROVIDING THIS INFORMATION (SELF-REPORT, CONTACT OF AN ILL PERSON, PARTNER AGENCY, OTHER):	Free Text			↓	Add
☐	2	ADD THE GPS COORDINATES IF AVAILABLE:	Free Text		↑	↓	Add
☐	3	SITE WHERE THE EXPOSURE OCCURRED (NAME AND LOCATION OF THE WATER SOURCE):	Free Text		↑	↓	Add
☐	4	WHICH AGENCY FIRST REPORTED THE BLOOM?	Free Text		↑	↓	Add
☐	5	WHEN WAS THE BLOOM FIRST IDENTIFIED (DATE)?	Free Text		↑	↓	Add
☐	6	WAS THE BLOOM LABORATORY CONFIRMED?	Yes/No		↑	↓	Add
☐	7	IF YES TO Q.6, WHICH SPECIES/S WERE IDENTIFIED?	Free Text		↑	↓	Add
☐	8	WHAT TYPE OF EXPOSURE DID THEY HAVE? LIST EITHER: SWIMMING, RECREATIONAL WITHOUT SWIMMING (BOATING/SAILING), INHALATION WHILE NEARBY THE WATER, INGESTION, OR OTHER?	Free Text		↑	↓	Add

“ 20 Questions”

Merlin: CyanoHAB Outbreak Module

merlin

Communicable Disease Reporting

Home | Search | Outbreak | Analysis | Resources | Task | EpiGateway | Essence | FDENS | Food Recalls | Help | Log Off

Search:

People
- Profiles
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Environmental
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Labs
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Survey
- Choose Template

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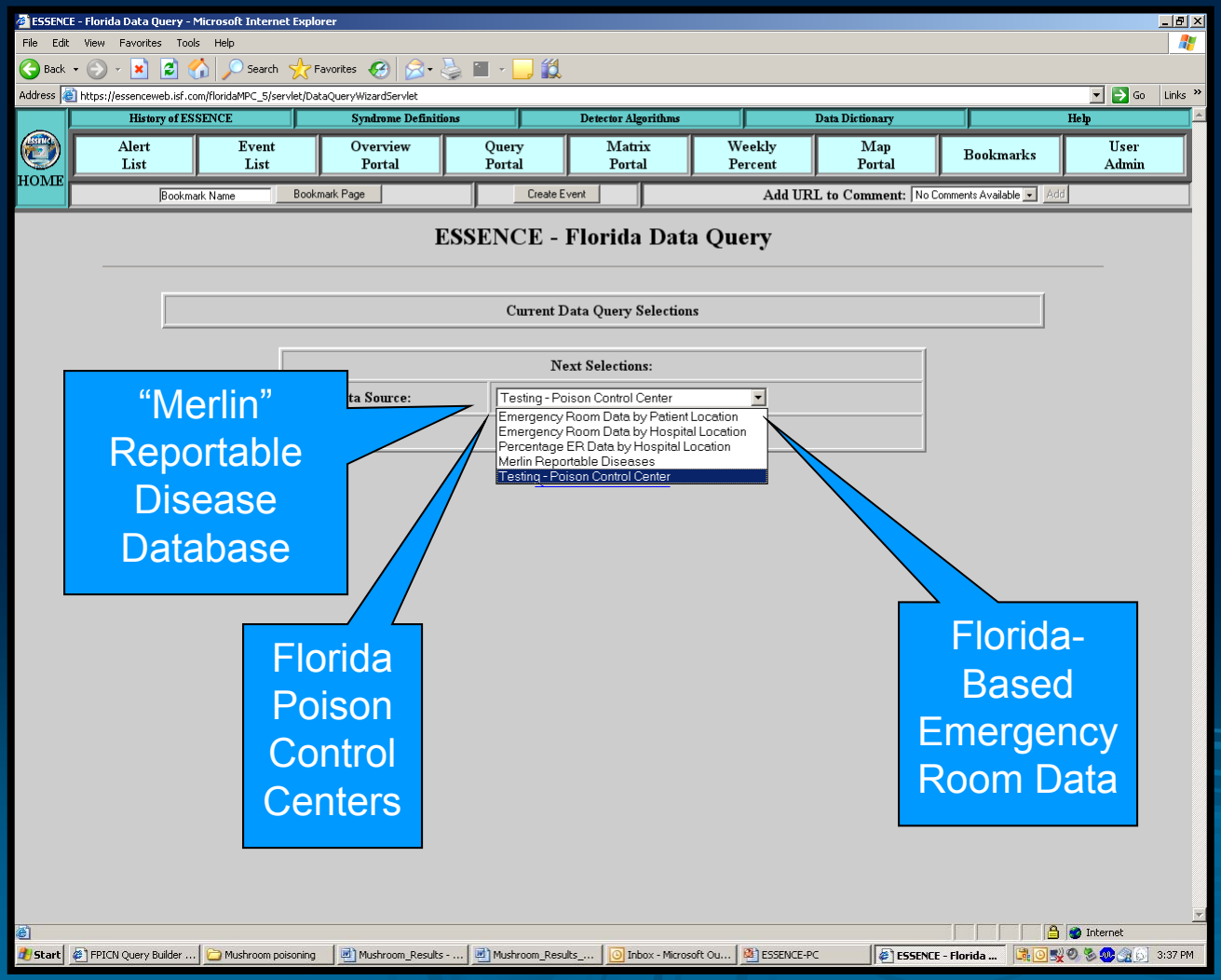
☐	3	SITE WHERE THE EXPOSURE OCCURRED (NAME AND LOCATION OF THE WATER SOURCE):	Free Text		Add
☐	4	WHICH AGENCY FIRST REPORTED THE BLOOM?	Free Text		Add
☐	5	WHEN WAS THE BLOOM FIRST IDENTIFIED (DATE)?	Free Text		Add
☐	6	WAS THE BLOOM LABORATORY CONFIRMED?	Yes/No		Add
☐	7	IF YES TO Q.6, WHICH SPECIES/S WERE IDENTIFIED?	Free Text		Add
☐	8	WHAT TYPE OF EXPOSURE DID THEY HAVE? LIST EITHER: SWIMMING, RECREATIONAL WITHOUT SWIMMING (BOATING/SAILING), INHALATION WHILE NEARBY THE WATER, INGESTION, OR OTHER?	Free Text		Add
☐	9	DID THEY RECALL INGESTING ANY WATER?	Yes/No		Add
☐	10	WAS THEIR SYNDROME MAINLY: GI, RESPIRATORY, NEUROLOGICAL, OR A COMBINATION?	Free Text		Add
☐	11	DID THEY HAVE A HAB RASH ASSOCIATED WITH THEIR ILLNESS? IF SO COMPLETE THE CDC RASH ILLNESS FORM.	Yes/No		Add
☐	12	HOW MANY HOURS AFTER THEY WERE EXPOSED DID IT TAKE BEFORE THEIR SYMPTOMS BEGAN (INCUBATION PERIOD IN HOURS)?	Free Text		Add
☐	13	HOW MANY HOURS DID THEIR ILLNESS LAST? (DURATION OF ILLNESS IN HOURS)	Free Text		Add
☐	14	DID THEY RECEIVE MEDICAL TREATMENT FOR THEIR SYMPTOMS? IF SO ADD MEDICAL PROVIDER INFORMATION IN MERLIN.	Yes/No		Add
☐	15	IF MEDICAL TREATMENT WAS RECEIVED, WAS ANY DIAGNOSIS PROVIDED OR TESTING COMPLETED?	Free Text		Add

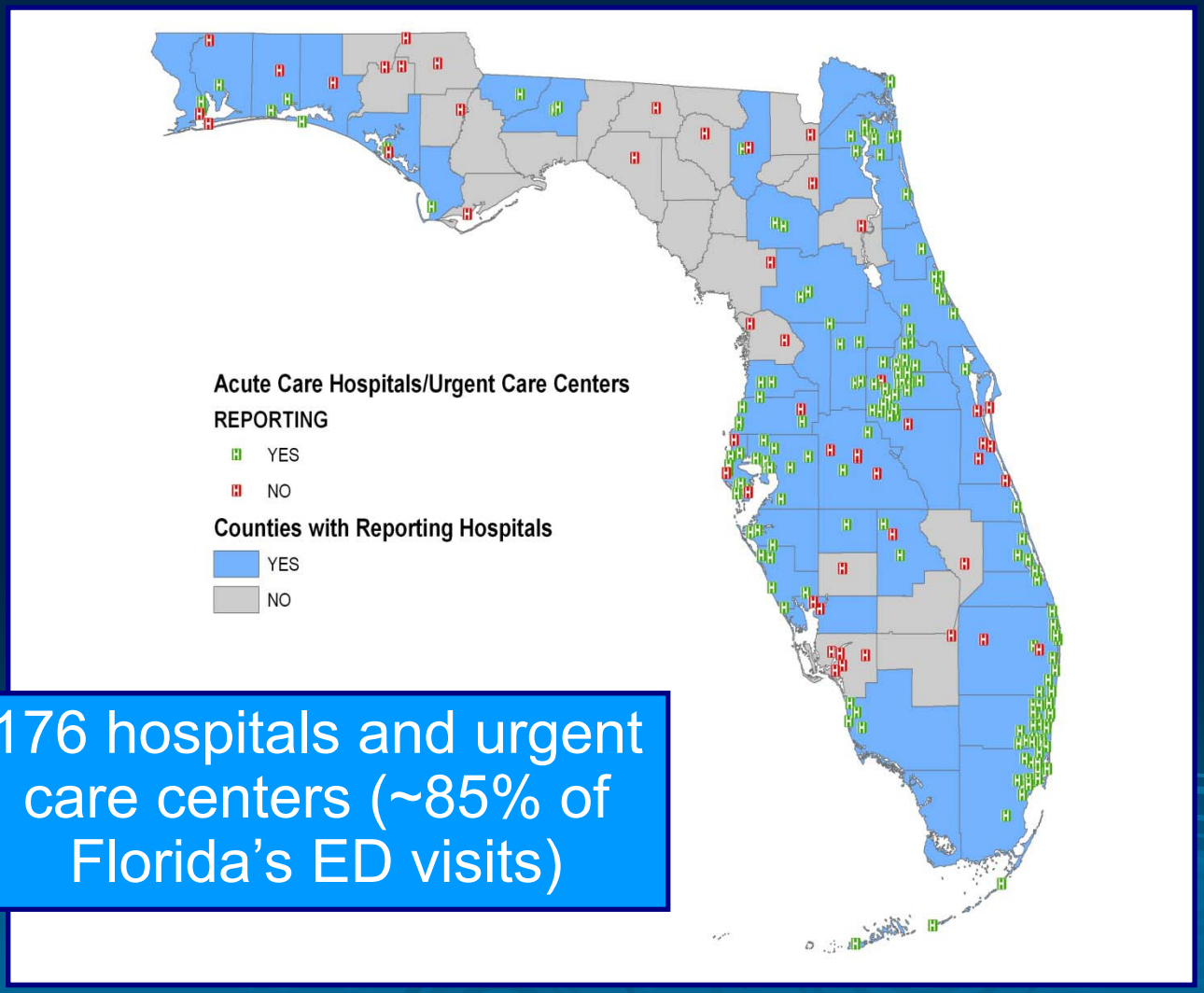
ESSENCE: Florida System

Electronic Surveillance System for Early Notification of Community-based Epidemics



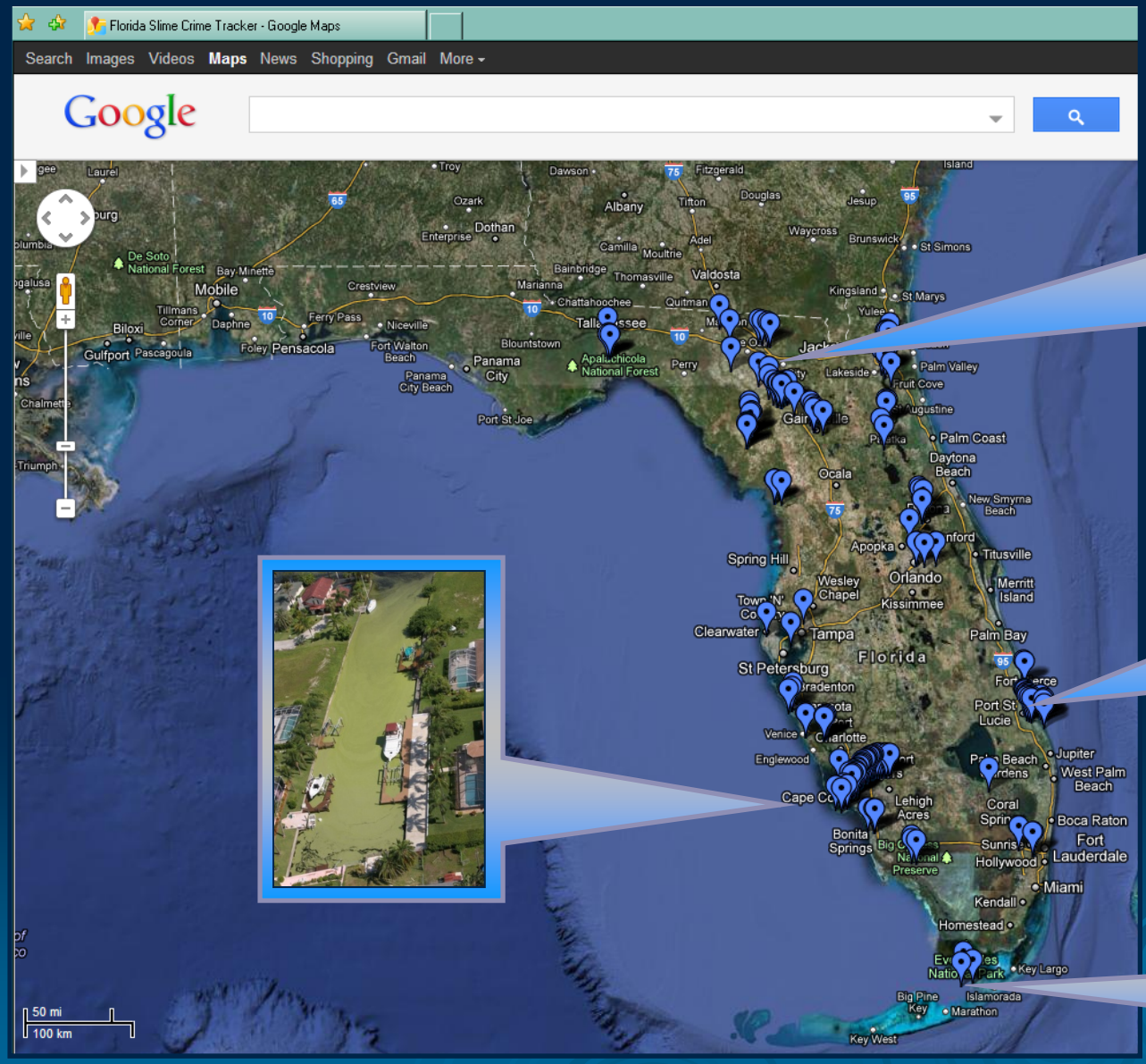
ESSENCE Participating Hospitals

Hospital Emergency Departments and Urgent Care Centers Reporting



176 hospitals and urgent care centers (~85% of Florida's ED visits)

Florida Slime Crime Tracker



FDOH Cyanobacteria Tracking Website

Harmful Algal Bloom Tracking Module

Welcome to the Florida Harmful Algal Bloom (HAB) Online Tracking Module. This site is designed to collect alg
secure electronic database.

PRIVACY DISCLAIMER: This site should not be used to collect HIPAA protected health information or any othe
the name and address of a private citizen or details about a person's health status. This includes symptoms a
health complaints related to a bloom, contact the Florida Department of Health's Aquatic Toxins Disease Preve
Reich, at: 850-245-4187.

- Format for all dates and times is MM/DD/YYYY and HH:MM AM/PM EST
- Size limit for attachments is 15MB per submission and up to 60MB cumulatively (initial submission plus re-sub
- (*) Indicates the field is required

Descriptive Bloom ID*

Format: AgencyName_Date_WaterBody

-Note: Use the name of the agency you represent- Examples: FDOH, CHD, FDEP, FDACS, FWC/FWRI, etc.

Name of Water Body

To protect privacy, do not report blooms that occurred in a water body with a single residence located next to the bloom location

Searchable Database of Bloom Records

Bloom Contact ID	-- Any --
Descriptive Bloom ID	-- Any --
Name of Water Body	-- Any --
Bloom Recorder's First Name	-- Any --
Bloom Recorder's Last Name	-- Any --
Date Record Was Added	-- Any --
Date Record Was Last Modified	-- Any --
Date Bloom Was Seen	-- Any --

Contains a Searchable Database for Retrieving Data

Collects information on the location of bloom events, environmental conditions, site visit observations, & laboratory results.

http://www.caspio.com

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- **National Science Foundation: Collaborative Research – Dynamics of Coupled Natural and Human Systems (CHN) # 1009244**

- **NOAA/NASA: Monitoring and Forecasting Cyanobacterial Blooms for Public Health Protection and Response # DG133C10SE1964**

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