



Epidemiology Monthly Surveillance Report

Florida Department of Health in Orange County

Florida Department of Health Announces New Emergency Notification System

The Florida Department of Health has recently converted to a new statewide emergency notification system. The new system called Everbridge replaced the Florida Disaster Emergency Notification System (FDENS) which was taken offline in September 2013. The implementation of Everbridge was done in stages to allow for testing of functionality of the system at each step. Everbridge will not only be used to notify DOH staff but also Medical Reserve Corps Volunteers and most recently to contact local partners. DOH – Orange is piloting the option to use Everbridge to send fax notifications to medical providers in Orange County. Through the use of the new system, what usually took 2 days and 5 fax machines to send important information to providers now can be done in just minutes! Everbridge also has the option to add emails and phone numbers to local partners and expand our notification options at a later date. Everbridge is a great addition to DOH-Orange's emergency notification tool box.

If you would like more information on Everbridge and how you can receive Fax notifications, please contact Deborah Collinge at Deborah.Collinge@FLHealth.gov or Jack Tracy at Jack.Tracy@FLHealth.gov.

Implementation Timeline:

- September 2013 – FDENS deactivated
- February/March 2014 – MRC Volunteers/DOH Staff loaded into Everbridge system
- April 2014 – Member Portal open for DOH Staff to update information
- May 2014 – First Statewide testing
- June 2014 – Local Partners added into system

June 2014

Volume 5, Issue 6

Points of Interest:

- Increase in pertussis
- Influenza-like illness continues to decrease
- Seasonal enteric diseases are increasing
- Spotlight on the Medical Reserve CORPS
- 64D-3 Rule Update

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Respiratory Disease Surveillance

Middle East Respiratory Syndrome-Coronavirus Surveillance

- ⇒ Only one case of MERS-CoV has been identified in Florida in 2014. There is no evidence of sustained community wide transmission of MERS-CoV in the United States.
- ⇒ MERS represents a very low risk to the general public in the United States.
- ⇒ **Physicians should immediately call the local health department if a patient fits the criteria of a MERS Patient Under Investigation. [Screening tool link.](#)**

MERS-CoV Resources:

[Florida Department of Health MERS-CoV Information](#)

[Centers for Disease Control and Prevention MERS-CoV Information](#)

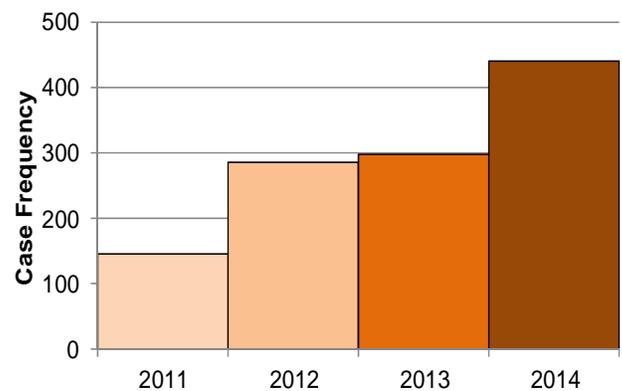
Pertussis Surveillance

National

- ⇒ 50 percent of states have reported an increase in pertussis in 2014 compared to the same time period last year.

Florida

- ⇒ From January to July 2014, there has been a 300 percent increase in the incidence of pertussis in Florida compared to the same time period in 2011.



Incidence of Pertussis in Florida from January to July, 2011-2014

Orange County

- ⇒ 16 cases of pertussis have been reported among Orange County residents in 2014.
- ⇒ 94 percent (n=15) of the Orange County pertussis cases have been children (i.e., <18 years).

Pertussis Resources:

[Centers for Disease Control and Prevention—Pertussis](#)

[Florida Department of Health in Florida—Pertussis](#)

[Florida Department of Health Immunization Information](#)

Influenza Surveillance

Florida

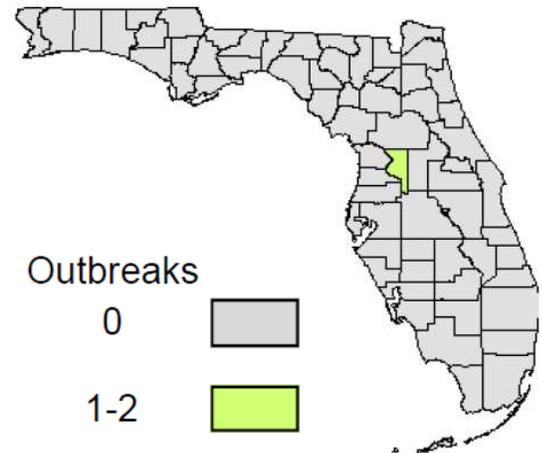
- ⇒ Influenza virus is circulating at low levels in Florida, which is typical for this time of year.
- ⇒ The predominant circulating strain this year continues to be influenza A (2009 H1N1).
- ⇒ In week 26, the preliminary estimated number of deaths due to pneumonia or influenza in Florida is lower than the seasonal baseline, based on previous years' data.

Orange County

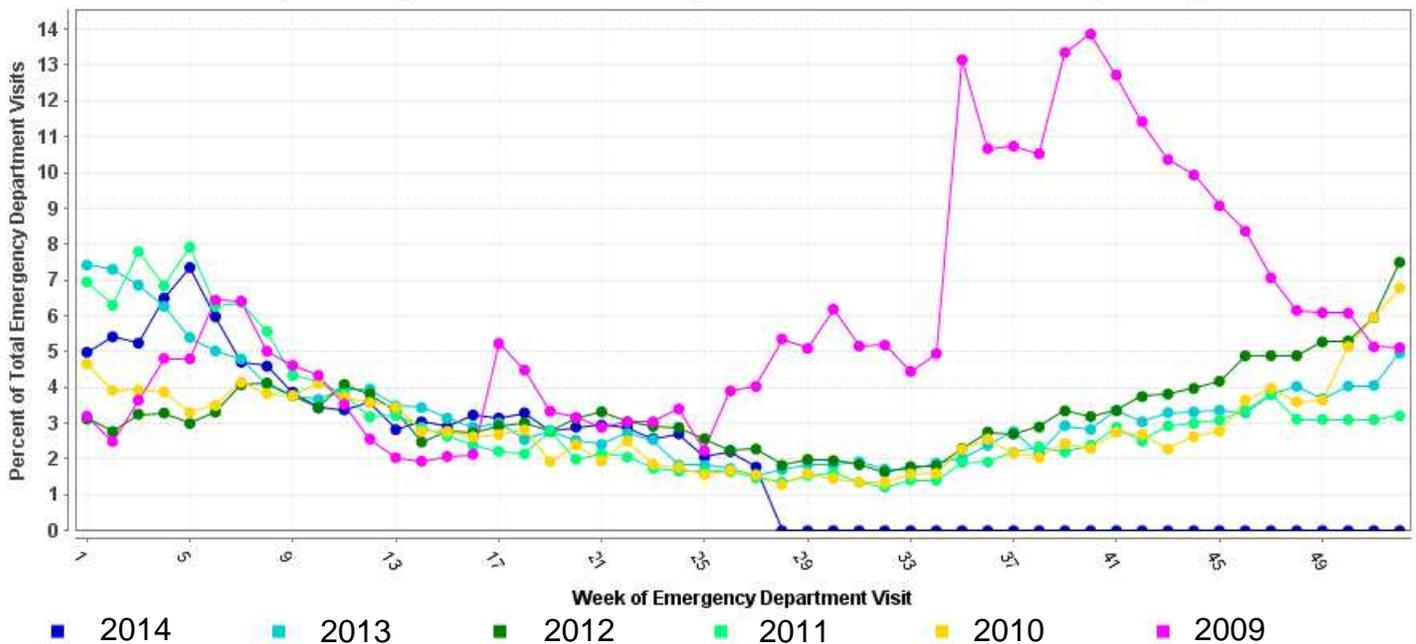
- ⇒ No influenza or ILI outbreaks were reported in Orange County during June 2014.

Influenza Outbreaks

Weeks 25-26: June 15 – June 28



ESSENCE, Weekly Percentage of Visits with Chief Complaint of Influenza-like Illness, Orange County, 2009-2014

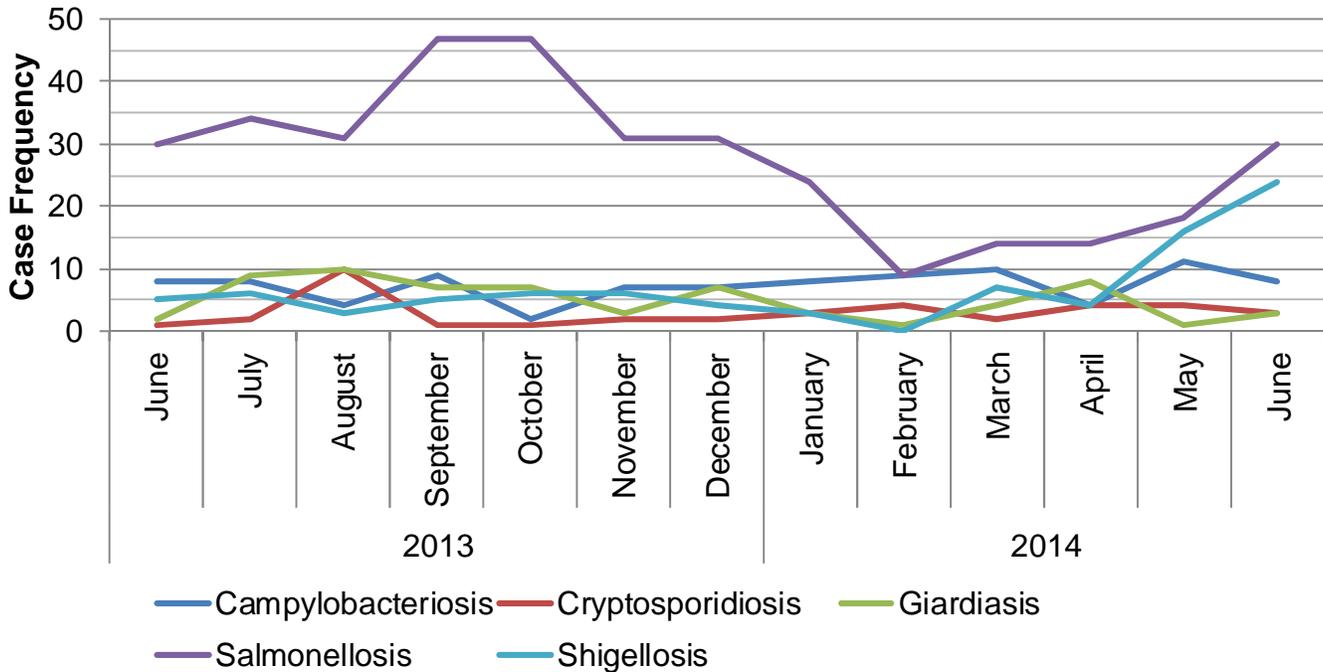


Influenza Resources:

- [Florida Department of Health Weekly Influenza Activity Report](#)
- [Center for Disease Control and Prevention Weekly Influenza Activity Report](#)
- [Centers for Disease Control and Prevention 2013-2014 Influenza Season](#)
- [CDC: Preventing Seasonal Flu With Vaccination](#)
- ["Know Flu" Campaign: Florida Department of Health in Orange County](#)

Gastrointestinal Illness Surveillance

Reportable Enteric Diseases in Orange County, Florida from June 2013 to June 2014



Gastrointestinal Illness Points of Interest:

- ⇒ Cases of reportable enteric diseases continue to increase in 2014, which is expected with seasonal trends. Combined, 54 salmonella and shigellosis cases were reported in Orange County residents during June 2014.
- ⇒ During June, 19 foodborne illness complaints were reported to the Florida Department of Health in Orange County for investigation.
- ⇒ Three foodborne outbreaks in restaurants were reported in June 2014.

Gastrointestinal Illness Resources:



Florida Online Foodborne Illness Complaint Form - Public Use
<http://www.floridahealth.gov/diseases-and-conditions/food-and-waterborne-disease/online-food-complaint-form.html>

[Florida Food Recall Searchable Database](#)

[Florida Department of Health - Norovirus Resources](#)

Arboviral Surveillance

January 1 to June 28, 2014

Worldwide:

- ⇒ Level 1 Travel Health Notice in seven Caribbean countries for Chikungunya.

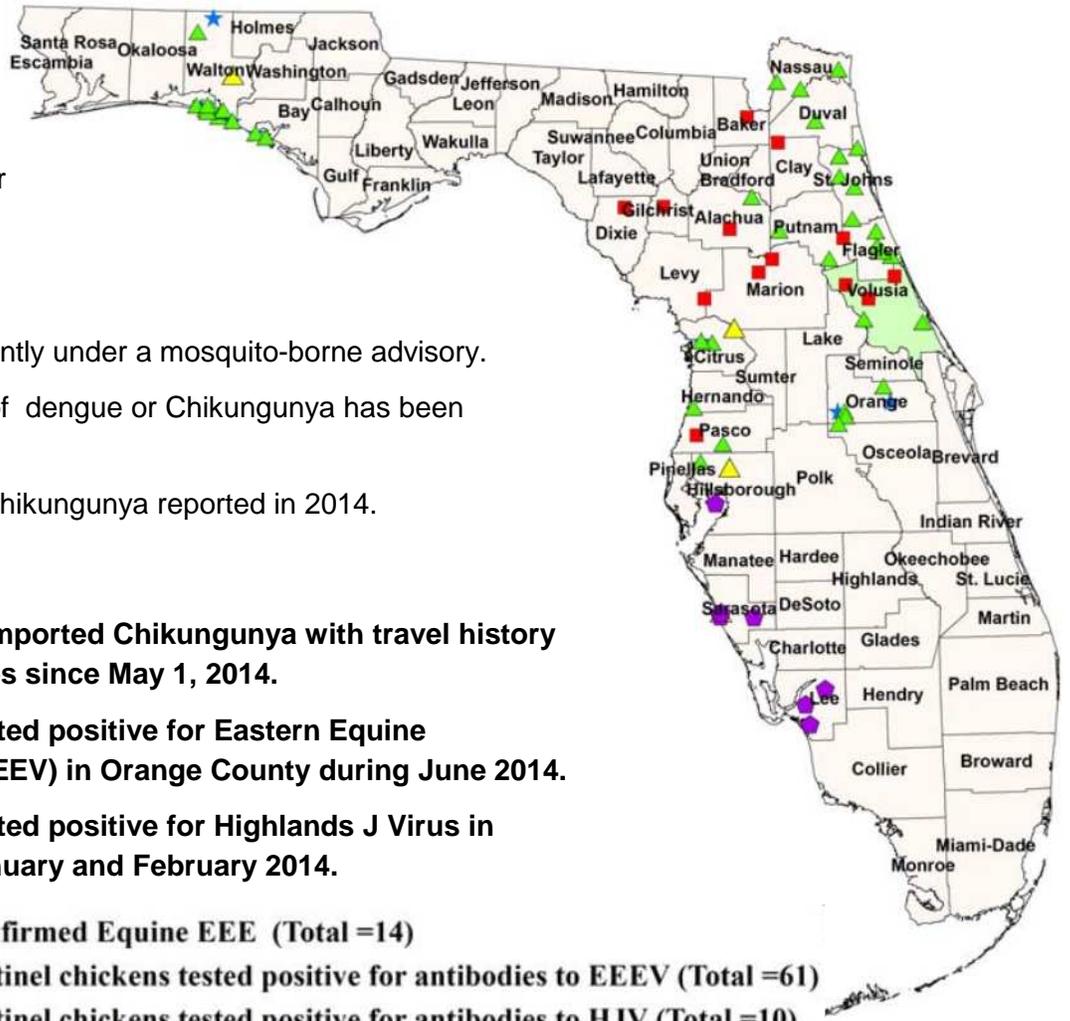
Statewide:

- ⇒ Volusia County is currently under a mosquito-borne advisory.
- ⇒ No local transmission of dengue or Chikungunya has been reported.
- ⇒ 52 cases of imported Chikungunya reported in 2014.

Orange County:

- ⇒ **Six human cases of imported Chikungunya with travel history to Caribbean countries since May 1, 2014.**
- ⇒ **Sentinel chickens tested positive for Eastern Equine Encephalitis Virus (EEEV) in Orange County during June 2014.**
- ⇒ **Sentinel chickens tested positive for Highlands J Virus in Orange County in January and February 2014.**

- **Confirmed Equine EEE (Total =14)**
- ▲ **Sentinel chickens tested positive for antibodies to EEEV (Total =61)**
- ★ **Sentinel chickens tested positive for antibodies to HJV (Total =10)**
- ◆ **Sentinel chickens tested positive for antibodies to SLEV (Total =9)**
- ▲ **Sentinel chickens tested positive for antibodies to WNV (Total =5)**
- **Counties under mosquito-borne illness advisory**



Arboviral Resources:

[Weekly Florida Arboviral Activity Report \(Released on Mondays\)](#)

[Orange County Mosquito Control](#)

Chikungunya Resources

[Florida Department of Health Chikungunya Information](#)

[CDC Chikungunya Information](#)

[CDC Chikungunya MMWR](#)



Central Florida Medical Reserve Corps



The Central Florida Medical Reserve Corps (MRC) is now sponsored by the Florida Department of Health in Orange County. This MRC unit covers Brevard, Orange, Osceola, and Seminole counties with volunteers to support disaster response agencies and health departments that may become overwhelmed by the need for medical care for our residents.

As the Central Florida MRC unit celebrates the end of the first year in DOH-Orange, the reports show they have been busy! The MRC unit participated in 5 events, offered 3 trainings, and provided 863 hours of service at a value of \$24,329.63 back to the community. Currently, the MRC Unit has 148 volunteers on the roster ready to respond. MRC members are trained and called to assist during times of need and may be asked to respond out of the area for declared disasters needing support in other counties, the state, or in a national response.

If you would like more information on joining the Medical Reserve Corps or how you can help, please contact Elizabeth Vazquez at Elizabeth.Vazquez@FLHealth.gov or visit www.SERVFL.com.



Disease	Orange County				Florida			
	June		Cumulative		June		Cumulative	
	2014	Mean (2009-13)	2014	Mean (2009-13)	2014	Mean (2009-13)	2014	Mean (2009-13)
Brucellosis	0	0	0	0.2	1	0.2	3	5
Campylobacteriosis	8	7.4	50	35.4	208	168	1129	797.4
Cryptosporidiosis	3	1.2	20	10.4	78	34.2	260	183.4
Cyclosporiasis	1	0.6	1	1.2	2	6.2	4	16.2
Dengue Fever	0	0.2	1	3.4	3	5.4	38	29.2
Eastern Equine Encephalitis Virus	0	0	0	0	0	0	1	0.4
Giardiasis	3	6.2	20	37.2	90	114.4	525	669.4
H. influenzae Invasive Disease	4	1.8	12	7.4	20	21.8	176	138.2
Hansens Disease (Leprosy)	0	0	0	0.4	0	1.2	2	4.2
Hemolytic Uremic Syndrome	0	0	0	0.2	0	1	3	2.6
Hepatitis A	0	1	2	3.4	5	12.4	63	68.4
Hepatitis B, Acute	0	1	4	7.4	36	27.2	208	153.8
Hepatitis B, Chronic	39	33.2	194	200.2	438	350	2433	2142.8
Hepatitis B, HBsAg in Pregnant Women	5	3.8	21	33.8	29	39.4	244	256
Hepatitis B, Perinatal	0	0	0	0.2	0	0	1	0.4
Hepatitis C, Acute	0	0.4	5	4.6	12	11.6	102	65.8
Hepatitis C, Chronic	81	84.2	536	462.4	1795	1549.6	11137	8916
Lead Poisoning	0	1.2	7	14.8	38	63	364	334
Legionellosis	0	1	5	7	20	17.6	138	82
Leptospirosis	0	0	0	0	0	0	0	0.4
Listeriosis	0	0.2	1	1	1	3.2	13	17.6
Malaria	1	1.8	2	5.6	11	8.6	30	42.6
Measles	0	0	0	2	0	0.2	0	4.2
Meningitis (Bacterial, Cryptococcal, Mycotic)	1	1.4	2	6.6	8	18.2	74	94.8
Meningococcal Disease	0	0.6	0	0.6	5	3.8	25	33.6
Mercury Poisoning	0	0	0	0	2	0.4	3	6.6
Middle East Respiratory Syndrome (MERS)	0	0	1	0	0	0	1	0
Mumps	0	0	0	0	0	0.4	0	3.6
Pertussis	1	1	16	9.6	99	41.4	424	214.4
Rabies, Possible Exposure	7	9.6	48	46.8	203	224	1286	1154.8
Ricin Toxin Poisoning	0	0	0	0	0	0	0	0.2
S. pneumoniae Invasive Disease, Drug-	4	1.4	20	24	24	36.8	304	416.2
S. pneumoniae Invasive Disease, Drug-	0	1.2	16	17.4	22	39.8	322	399.6
Salmonellosis	30	28.2	109	97.4	488	529.4	2120	1988.2
Shiga Toxin-Producing E. coli (STEC)	0	0.4	2	2.4	11	9.4	56	46.6
Shigellosis	24	16	54	48.2	289	161.2	1323	646.4
Streptococcus Invasive Disease (Group A)	0	1	8	7.8	1	20.2	182	144
Typhoid Fever	0	0	1	0.8	1	0.6	10	5.6
Varicella	1	2.2	9	25	39	53.2	323	588.2
Total	213	230.8	1174	1158.6	4033	3849.8	23605	20204.8

The Top 10 Reported Disease and Conditions in Orange County Year-To-Date are Highlighted in GREY.

64D-3 Rule Update

Updates to the Table of Reportable Diseases or Conditions to be Reported, Rule 64D-3.029, FAC, have been enacted and effective since June 4, 2014.

A summary of guidance for health providers and laboratories with and without electronic lab reporting capabilities was distributed via fax and email on July 17, 2014.

If you have any questions, please contact DOH-Orange Epidemiology at (407) 858-1420.

Other Disease Resources

In the structure of FDOH-Orange, tuberculosis, sexually transmitted infections, and human immunodeficiency virus are housed in separate programs from the Epidemiology Program. We recognize the importance of these diseases for our community partners and for your convenience have provided links for surveillance information on these diseases in [Florida](#) and [Orange County](#).



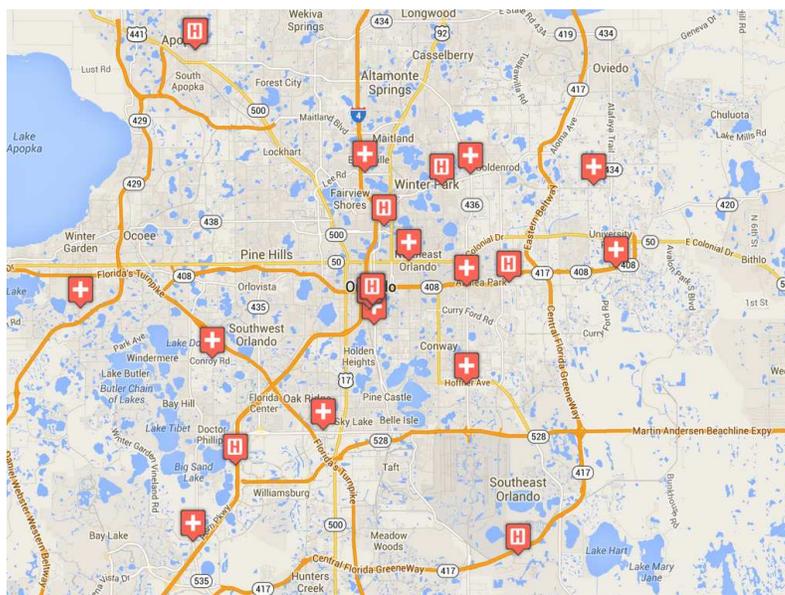
Florida Department of Health: ESSENCE



Hospital linked to ESSENCE



Florida Hospital Centra Care Clinic linked to ESSENCE



Since 2007, the Florida Department of Health has operated the Early Notification of Community-based Epidemics (ESSENCE), a state-wide electronic bio-surveillance system. The initial scope of ESSENCE was to aid in rapidly detecting adverse health events in the community based on Emergency Department (ED) chief complaints. In the past seven years, ESSENCE capabilities have continually evolved to currently allow for rapid data analysis, mapping, and visualization across several data sources, including ED record data, Merlin reportable disease data, Florida Poison Information Network consultations, and Florida Office of Vital Statistics death records. The majority of the information presented in this report comes from ESSENCE. Florida currently has 172 emergency departments and 25 urgent care centers (Florida Hospital Centra Care) reporting to ESSENCE-FL for a total of 197 facilities.

Florida Department of Health in Orange

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The Epidemiology Program conducts disease surveillance and investigates suspected occurrences of infectious diseases and conditions that are reported from physician's offices, hospitals, and laboratories.

Surveillance is primarily conducted through passive reporting from the medical community as required by Chapter 381, Florida Statutes.

Data is collected and examined to determine the existence of trends. In cooperation with the Office of Emergency Operations, the Epidemiology Program conducts syndromic and influenza-like-illness surveillance activities.

Syndromic surveillance was added to the disease reporting process as an active method of determining activities in the community that could be early indicators of outbreaks and bioterrorism.

Our staff ensures that action is taken to prevent infectious disease outbreaks from occurring in Orange County communities and area attractions. Along with many public and private health groups, we work for the prevention of chronic and long-term diseases in Central Florida.

ALL DATA IS PROVISIONAL