



Epidemiology Monthly Surveillance Report

Florida Department of Health in Orange County

July 2019

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The Epidemiology Program conducts surveillance and investigates, controls, and prevents occurrences of acute infectious diseases and outbreaks that are reported to the program.

Surveillance is conducted primarily through required reporting from health care providers, facilities, and clinical labs, and other required reporters as required by Chapter 381, Florida Statutes.

Data is collected and analyzed to track disease trends, and identify outbreaks and unusual occurrences for response and mitigation, and to identify targets for prevention and reduction efforts.

The Epidemiology Program conducts syndromic and influenza-like-illness surveillance activities through voluntary reporting from emergency departments and urgent care centers across Orange County. Syndromic surveillance is a method of determining activities in the community that could be early indicators of outbreaks and bioterrorism.

County Program Contacts

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Healthy Start

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Health Advisories, News, & Alerts:

- **[Florida Surgeon General Scott A. Rivkees Issues Public Health Emergency in Response to Hepatitis A Outbreak. Click here for Health Care Provider Information](#)**
- [Outbreak of E. coli Infections Linked to Ground Bison](#)
- [Outbreak of Multidrug-Resistant Salmonella Infections Linked to Contact with Pig Ear Dog Treats](#)
- [Outbreak of Salmonella Infections Linked to Backyard Poultry](#)
- [Outbreak of Salmonella Infections Linked to Papayas](#)

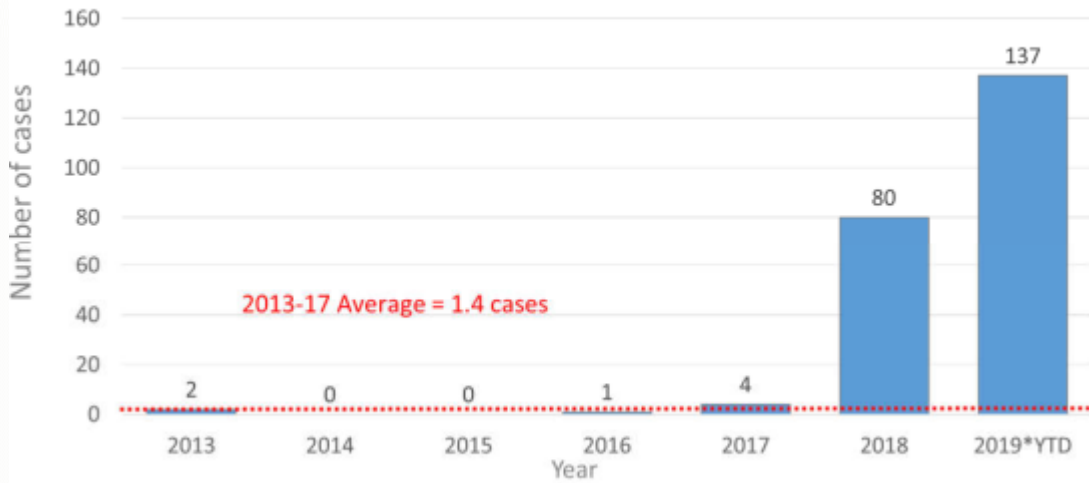
CDC Travel Notices: Travel notices are designed to inform travelers and clinicians about current health issues related to specific international destinations

- [Global Measles Outbreak Notice](#)
- [Hemorrhagic Fever in Bolivia](#)
- [Rubella in Japan](#)
- [Ebola in Democratic Republic of the Congo \(update\)](#)
- [Lassa Fever in Nigeria](#)
- [Monkeypox in Nigeria](#)



Orange County Hepatitis A Update

Orange County Non-Travel Associated Hepatitis A Cases, 2013-2019 *YTD



Source: DOH-Orange Epidemiology Program, as of 8/4/2019

Deaths: **3 (n=217)**
 Hospitalized: 83% (n=216)
 Age range: 2-81 years
 Median = 37 years
 Sex: 68% male (n=217)
 Non-Hispanic: 86% (n=217)
 White: 76% (n=217)
 Secondary cases (contact of previously known case) = 20

Risk factors (where data are known):
 MSM = 23% (n=94)
 DU (IV and non-IV) = 59% (n=200)
 Homeless = 31% (n=185)
 Hep B/C co-infected = 38% (n=208)
 Incarcerated = 19% (n=122)
 Healthcare workers: n=5
 Childcare/school age children: n=2
 Food service workers/facilities: n=7

Florida Hepatitis A Update

[Florida Department of Health Hepatitis A Surveillance Report](#)

2018-To-Date Key Points

2,636 cases

22% cases linked to other cases

30-39 year olds had highest incidence

24% co-infected with hepatitis B or C

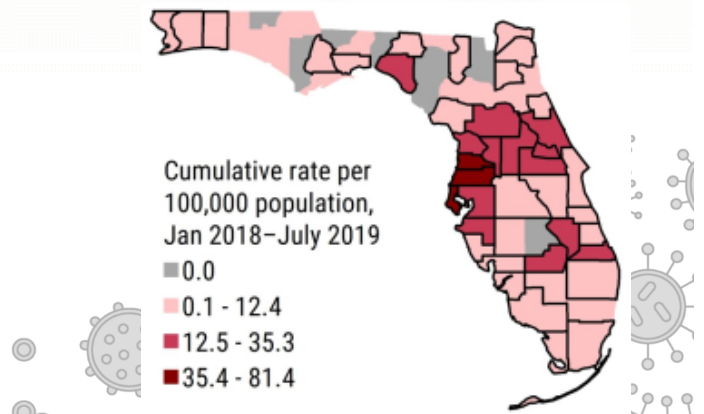
Top 5 Impacted Counties in Florida

CONFIRMED, PROBABLE, SUSPECT CASES OF HEPATITIS A WITH REPORT DATE 1/1/2018 to 8/4/2019

County	2018	2019 *YTD	TOTAL
Pinellas	113	333	446
Pasco	66	365	431
Orange	93	146	239
Hillsborough	84	118	202
Volusia	5	190	195
TOTAL	361	1152	1513

Source: Florida Merlin

355 Hepatitis A Cases in July were reported in 40 counties, outlined in black






Source: Hepatitis A Surveillance Report

****ALL DATA ARE PRELIMINARY****

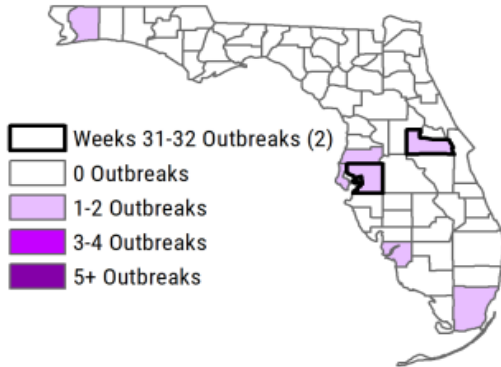
Influenza Surveillance

(MMWR Weeks 31-32: July 28- August 10, 2019)
Summer Season 2019

Statewide Activity

Geographic Spread: **Sporadic**  Predominant Strain²: **A 2009 (H1N1)**  ILI Activity Trend: **Stable** 

Respiratory Outbreaks by County, Week 31-32



Source: DOH Flu Review

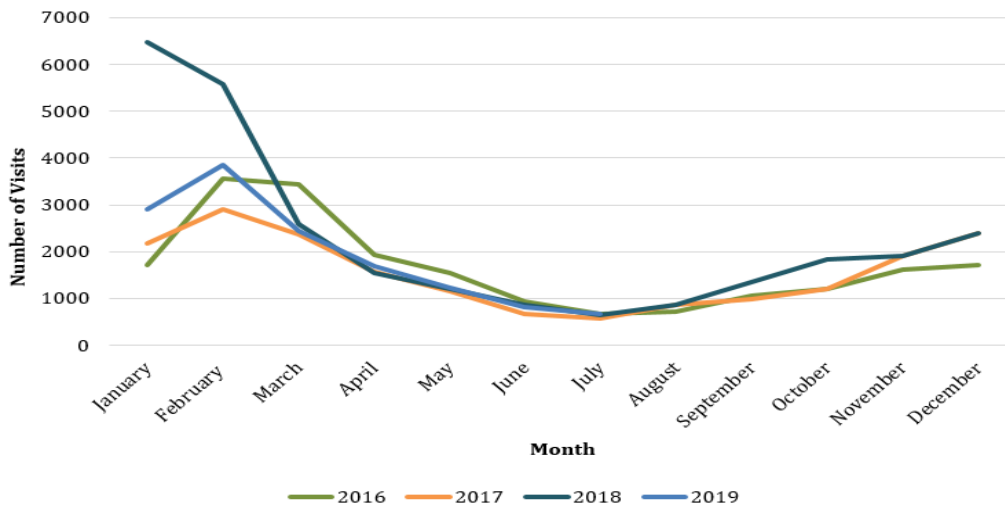
- In weeks 31-32, influenza and ILI activity remained low in Florida. Levels were similar to those observed at this time in past years.
- Two new respiratory disease outbreaks were reported in week 31-32.
- One new influenza-associated pediatric death was reported in week 31-32 in a partially vaccinated child with underlying medical conditions. Six influenza-associated pediatric deaths have been reported since the beginning of the 2018-19 season.

The 2018-2019 influenza season has come to a close. Florida Department of Health will distribute an abbreviated flu report on a biweekly basis.

Orange County Activity

No influenza or influenza-like illness outbreak was reported in Orange County for the month of July.

ILI Emergency Department Visits in Orange County, 2016 to 2019



Source: ESSENCE

Flu Level:

Mild



Flu Trend:

Stable



Influenza Resources:

[Florida Department of Health Influenza](#)

[CDC: Influenza \(Health Professionals\)](#)

[CDC: Weekly US Influenza Surveillance Report](#)

[Center for Disease Control and Prevention Weekly Influenza Activity Report](#)

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Arboviral Surveillance

(MMWR Week 31: July 28-August 3, 2019)

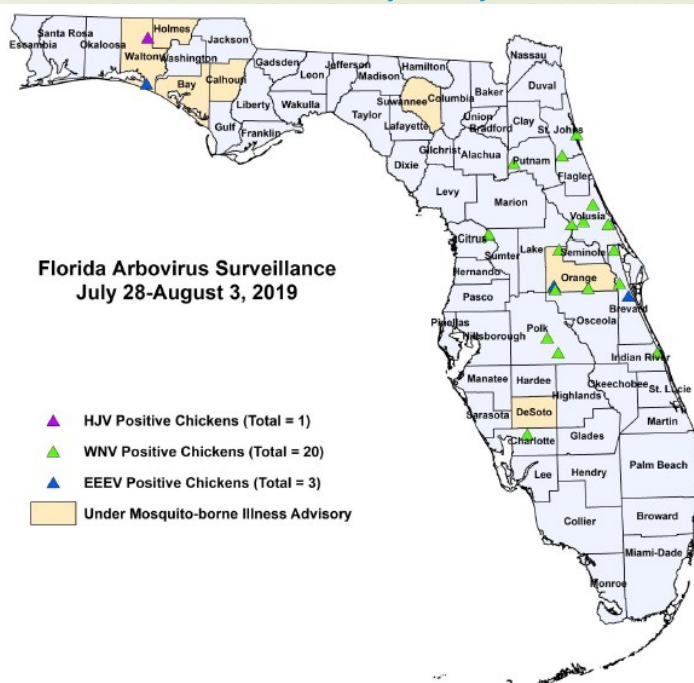
International

- There are Level 2 Travel Health Notices for Brazil and Nigeria related to the transmission of yellow fever virus. Additional information on travel health notices can be found [here](#).

Florida

- Seventeen cases of **dengue fever** were reported this week in persons with international travel. In 2019, one locally acquired case and 75 travel-associated cases and have been reported.
- One case of **chikungunya fever** was reported this week in a person with international travel. In 2019, five travel-associated cases and no locally acquired cases have been reported.
- No human cases of **West Nile virus (WNV)** infection were reported in week 31. In 2019, one horse and 55 sentinel chickens have been reported from 17 counties.
- No human cases of **Eastern equine encephalitis virus (EEEV)** infection were reported this week. In 2019, 25 horses, one emu, one eagle, and 86 sentinel chickens have been reported from 29 counties
- One case of **Zika fever** was reported in week 31 in a person who had international travel. In 2019, 29 travel-associated cases and no locally acquired cases have been reported.
- Bay, Calhoun, DeSoto, Holmes, Orange, Suwannee, and Walton counties are currently under a **mosquito-borne illness advisory**. No other counties are currently under mosquito-borne illness advisory or alert.

Arbovirus Surveillance by County, Week 31



Source: DOH Arboviral Report

Orange County

- **No locally acquired** cases of Zika virus, West Nile virus, dengue virus, chikungunya virus, St. Louis encephalitis virus, or Eastern equine encephalitis virus have been identified in Orange County in 2019.
- No new cases of **Zika fever** were reported in July 2019. As of week 31, there have been four cases in persons with international travel.
- **We are no longer offering free Zika testing at DOH-Orange for insured pregnant women. Testing for Zika may be ordered through commercial labs. Please notify DOH-Orange of symptomatic patients with a history of travel.**

Arboviral Resources:

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

[Orange County Mosquito Control](#)

Additional Resources:

[Florida Department of Health Zika](#)

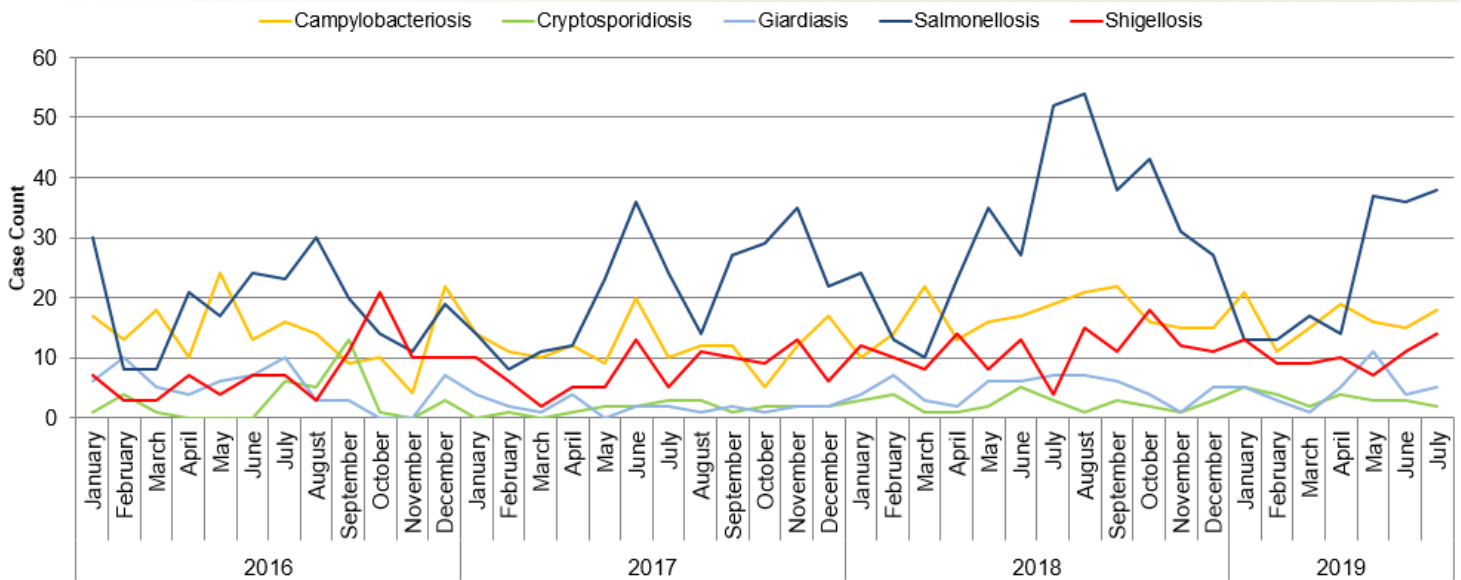
[Florida Department of Health Mosquito-Borne and Other Insect-Borne Diseases Information](#)

[Florida Department of Health Mosquito-Borne Disease Education Materials](#)

Gastrointestinal Illness Surveillance

- The counts for enteric reportable disease cases were slightly higher compared to June, but was within normal seasonal trend.
- In July, 21 foodborne illness complaints were investigated by DOH-Orange from various sources such as direct reporting, online reporting, social media, Department of Health, and crowd-sourced web-based reporting.

Select Reportable Enteric Diseases in Orange County, Florida, January 2016 to July 2019




Source: ESSENCE


What is raw milk and how do you protect yourself from becoming ill?



Raw milk has not been pasteurized to kill harmful, disease-causing germs, including bacteria, viruses, and parasites.



Choose pasteurized milk and dairy products. Buy and eat products that say “pasteurized” on the label. If in doubt, don’t buy it!



Refrigerate dairy products at 40°F or below.

Source: [CDC Food Safety](https://www.cdc.gov/food-safety/)

Gastrointestinal Illness Resources:

[Florida Online Foodborne Illness Complaint Form - Public Use](#)

[CDC: Healthy Water](#)

[Florida Food and Waterborne Disease Program](#)

[CDC: A-Z Index for Foodborne Illness](#)

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

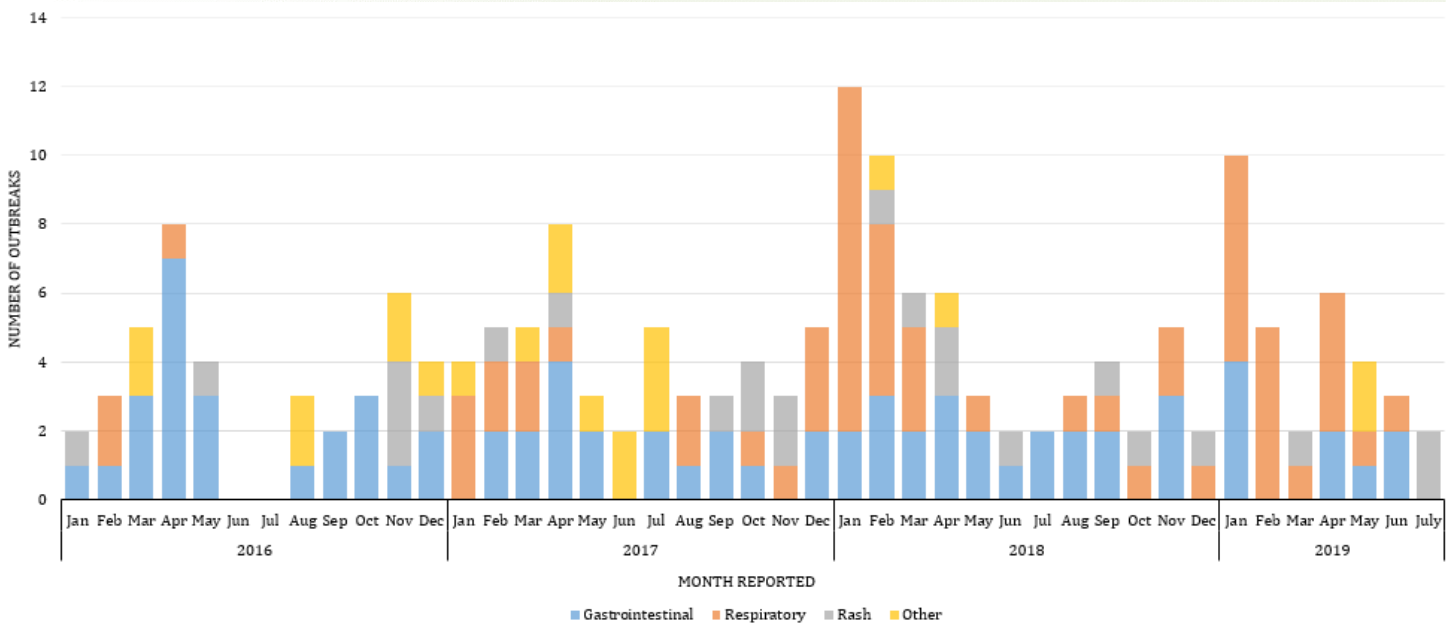
****ALL DATA ARE PRELIMINARY****

Outbreaks in Orange County

In July 2019, the following outbreaks were investigated:

- One rash illness outbreak in a long-term care facility
- One rash illness outbreak in a daycare

Number of Outbreaks Reported in Orange County, FL, by Month from 2016-2019

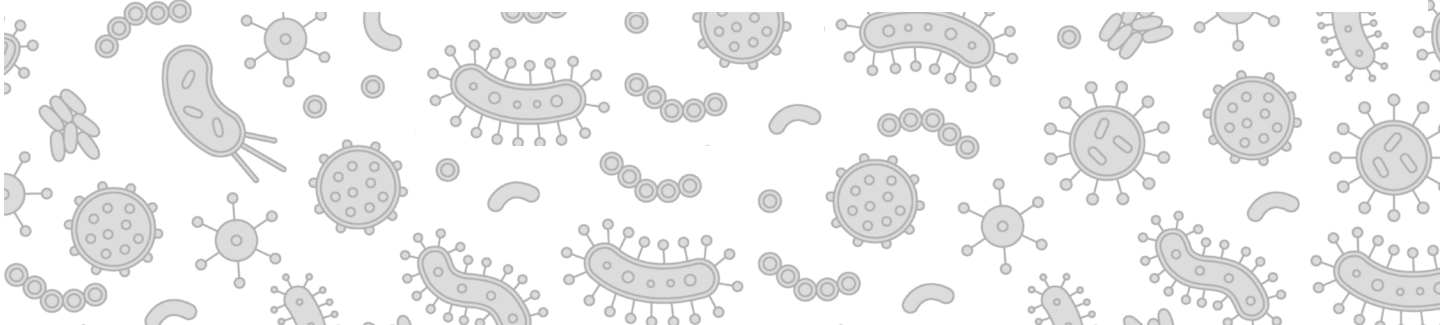


Source: DOH-Orange Epidemiology Program

Reminder: Outbreaks of any disease, any case, cluster of cases, or exposure to an infectious or non-infectious disease, condition, or agent found in the general community or any defined setting (e.g., hospital, school, or other institution) not listed of urgent public health significance should be reported.



For more information on reporting, please follow this link.: [Reportable Disease Form](#)



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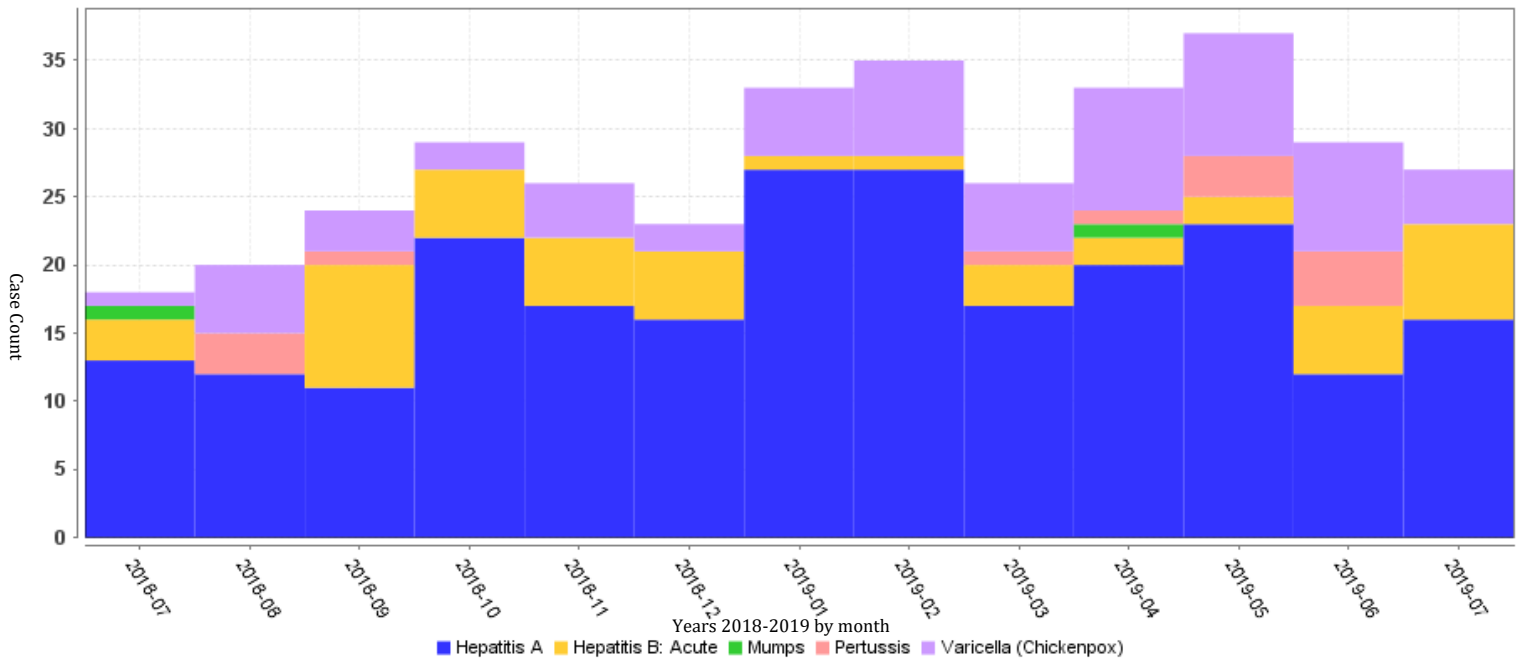
Food Recalls

Brand Name	Food/Food Product	Date of Recall	Health Risk	
Great Value, HEB	Taco Seasoning Products	25-july-19	<i>Salmonella</i>	Details
Exported Siga Logistics de RL de CV located in Morelos, Mexico	Fresh Basil	25-July-19	<i>Cyclospora</i>	Details
Mountain Rose Herbs	Whole Fennel Seeds	22-July-19	<i>Salmonella</i>	Details
Archer Farms, Freskët	Eggs salad, tuna salad, Thai lobster salad, and deviled egg sandwiches	19-July-19	<i>Listeria monocytogenes</i>	Details
Northfork Bison Distributions Inc.	Bison Burgers & Bison Ground	16-July-19	<i>E. coli</i> O121 and O103	Details
Bucee's, Fresh Thyme, Harris Teeter, other	Hummus Products	15-July-19	<i>Listeria monocytogenes</i>	Details
Pet Supplies Plus	Pig Ears	3-July-19	<i>Salmonella</i>	Details
Green Giant Fresh, Growers Express, Signature Farms, Trader Joe's	Butternut squash, cauliflower, zucchini, and butternut squash-based veggie bowl products	30-June-19	<i>Listeria monocytogenes</i>	Details

Source: U.S. Food & Drug Administration

Vaccine Preventable Disease Surveillance

Orange County top 5 vaccine preventable disease cases by illness to include confirmed, probable and suspect cases, counted monthly, July 2018-2019



Source: ESSENCE

Resources:

[U.S. Food and Drug Administration Recalls](#)

[Florida Department of Health- Vaccine Preventable Diseases](#)

****ALL DATA ARE PRELIMINARY****

Disease	ORANGE			All Counties		
	July	January-July		July	January-July	
	2019	2019	2018	2019	2019	2018
Amebic Infections (Acanthamoeba)	0	0	0	0	0	1
Amebic Infections (Balamuthia mandrillaris)	0	0	0	0	0	3
Anaplasmosis - HGA (Anaplasma phagocytophilum)	0	1	0	6	10	10
Arsenic Poisoning	0	0	0	1	8	11
Botulism: Foodborne	0	0	0	0	1	0
Botulism: Infant	0	0	0	0	0	1
Brucellosis	0	0	0	2	4	9
Campylobacteriosis	19	127	117	497	2954	2929
Carbon Monoxide Poisoning	2	23	5	15	142	130
Chikungunya Fever	0	1	1	3	8	1
Ciguatera Fish Poisoning	0	1	3	5	51	47
Creutzfeldt-Jakob Disease (CJD)	0	0	0	1	9	15
Cryptosporidiosis	2	22	18	75	379	324
Cyclosporiasis	6	7	6	391	416	57
Dengue Fever	2	8	1	50	116	12
Dengue Fever: Severe	0	0	0	1	1	2
Eastern Equine Encephalitis Neuroinvasive Disease	0	0	0	0	0	3
Ehrlichiosis - HME (Ehrlichia chaffeensis)	0	0	1	6	26	27
Ehrlichiosis/Anaplasmosis: Undetermined	0	0	0	0	0	1
Escherichia coli: Shiga Toxin-Producing (STEC) Infection	10	54	39	102	517	553
Flavivirus Disease and Infection	0	0	0	0	2	1
Giardiasis: Acute	5	34	36	104	659	637
Haemophilus influenzae Invasive Disease	2	10	16	36	266	229
Hansen's Disease (Leprosy)	0	0	0	4	16	12
Hemolytic Uremic Syndrome (HUS)	0	0	0	0	2	6
Hepatitis A	14	150	23	352	2177	156
Hepatitis B: Acute	6	20	16	87	562	484
Hepatitis B: Chronic	21	205	259	398	2932	2806
Hepatitis B: Perinatal	0	0	0	0	1	1
Hepatitis B: Surface Antigen in Pregnant Women	4	38	23	24	235	240
Hepatitis C: Acute	2	18	14	121	657	342
Hepatitis C: Chronic	114	963	980	1668	12161	12870
Hepatitis C: Perinatal	0	0	1	3	21	33
Hepatitis D	0	0	0	0	2	3
Hepatitis E	0	0	0	0	3	2
Herpes B Virus: Possible Exposure	0	0	0	2	8	11
Influenza-Associated Pediatric Mortality	0	0	0	1	4	7
Lead Poisoning	11	55	92	196	1175	2901
Legionellosis	7	28	27	72	445	371
Leptospirosis	0	1	0	0	3	3
Listeriosis	0	1	2	6	22	34
Lyme Disease	1	2	3	35	76	100
Malaria	0	4	2	12	40	40
Measles (Rubeola)	0	1	0	0	3	7
Meningitis: Bacterial or Mycotic	0	0	3	13	58	67
Meningococcal Disease	0	1	1	0	16	16
Mercury Poisoning	0	0	0	4	12	33
Mumps	0	1	9	39	154	127
Paratyphoid Fever (Salmonella Serotypes Paratyphi A B C)	0	3	0	2	15	1
Pertussis	1	10	7	48	239	192
Pesticide-Related Illness and Injury: Acute	0	1	0	1	19	31
Q Fever: Acute (Coxiella burnetii)	1	2	0	2	3	1
Rabies: Possible Exposure	11	73	47	407	2644	2528
Ricin Toxin Poisoning	0	0	0	0	1	4
Rocky Mountain Spotted Fever and Spotted Fever Rickettsiosis	0	1	0	7	21	15
Salmonellosis	42	184	188	899	3682	3473
Saxitoxin Poisoning (Paralytic Shellfish Poisoning)	0	0	0	0	0	3
Scombroid Poisoning	1	1	0	6	44	12
Shigellosis	16	80	71	141	923	934
Staphylococcus aureus Infection: Intermediate Resistance to Vancomycin (VISA)	0	0	0	0	0	2
Strep pneumoniae Invasive Disease: Drug-Resistant	0	15	14	18	208	181
Strep pneumoniae Invasive Disease: Drug-Susceptible	1	22	14	28	348	276
Tetanus	0	0	0	1	3	0
Tularemia (Francisella tularensis)	0	0	0	0	0	1
Typhoid Fever (Salmonella Serotype Typhi)	1	8	8	14	106	91
Varicella (Chickenpox)	6	59	28	84	645	499
Vibriosis (Grimontia hollisae)	0	0	0	0	2	5
Vibriosis (Other Vibrio Species)	0	0	1	6	57	32
Vibriosis (Vibrio alginolyticus)	0	1	2	12	47	42
Vibriosis (Vibrio cholerae Type Non-O1)	0	1	0	2	10	2
Vibriosis (Vibrio fluvialis)	0	0	0	1	6	9
Vibriosis (Vibrio mimicus)	0	0	0	0	3	0
Vibriosis (Vibrio parahaemolyticus)	0	2	1	3	29	32
Vibriosis (Vibrio vulnificus)	0	0	0	6	15	21
West Nile Virus Neuroinvasive Disease	0	0	0	0	1	0
West Nile Virus Non-Neuroinvasive Disease	0	0	0	0	0	2
Zika Virus Disease and Infection- Congenital	0	0	1	0	1	2
Zika Virus Disease and Infection- Non-Congenital	0	3	36	4	57	145
Total	308	2242	2116	6024	35483	34211

Florida Department of Health in Orange County

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Sign up for Electronic Health Alerts & Epidemiology

Monthly Surveillance Reports

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Follow the FL Department of Health in Orange County on

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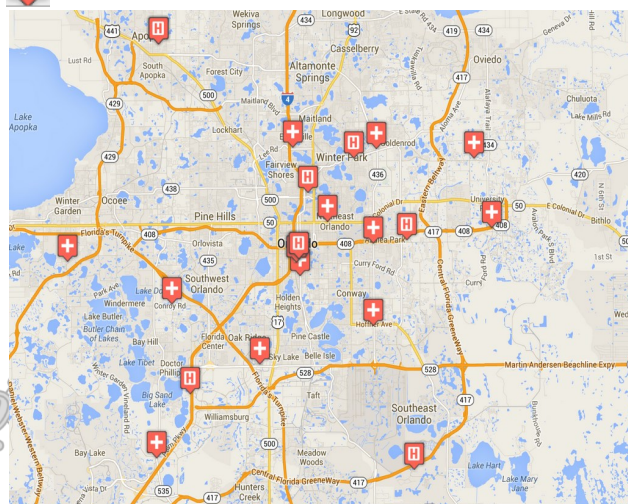
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Florida Department of Health: ESSENCE

Since 2007, the Florida Department of Health has operated the Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE-FL), 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 following 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 via ESSENCE. Florida currently has 228 emergency departments and 35 urgent care centers reporting to ESSENCE-FL for a total of 263 facilities.

****ALL DATA ARE PRELIMINARY****