

EPIGRAM

PRODUCED BY DISEASE CONTROL SERVICES
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ARBOVIRUS SURVEILLANCE

Nassau County Arbovirus Activity

From January 1, 2018 through October 13, 2018, there were four confirmed cases (onset dates 1/29, 4/30, 5/25, 6/2) of Eastern equine encephalitis virus (EEEV) infection in horses in Nassau County and one outbreak of EEEV in an emu flock in Nassau County (onset 7/5 for the first emu). Ten sentinel chickens have tested positive for EEEV in Nassau County (specimen collection dates 5/17, 5/25, 5/31, 6/8, 6/23, 6/28, 7/5, 7/12). One sentinel chicken tested positive for Highlands J virus (specimen collection date 7/5) and 64 sentinel chickens tested positive for West Nile virus (specimen collection dates 7/12, 7/14, 7/27, 8/2, 8/3, 8/11, 8/18, 8/25, 9/1, 9/8, 9/15, 9/22, 9/29). Two human cases of West Nile virus (WNV) infection were reported in Nassau County residents. Nassau County is currently under a mosquito-borne illness alert.

State Arbovirus Activity¹

Arbovirus surveillance in Florida includes endemic mosquito-borne viruses such as WNV, EEEV, and St. Louis encephalitis virus (SLEV), and exotic viruses such as dengue virus (DENV), chikungunya virus (CHIKV) and California encephalitis group viruses (CEV). Malaria, a parasitic mosquito-borne disease is also included. Cases of chikungunya fever, dengue fever, Zika fever, and malaria were reported in persons with history of travel to areas where these diseases are circulating (Table 1). No locally acquired cases of chikungunya fever, dengue fever, Zika fever, or malaria have been reported in Florida in 2018. In Florida in 2018 there have been three human cases of EEEV infection and 18 people (16 cases, two asymptomatic blood donors) have tested positive for WNV (Table 1). Fourteen counties are under mosquito-borne illness advisories and four counties are under mosquito-borne illness alerts.

| Disease | Case Count |
|-----------------------------|------------|
| Chikungunya Fever | 3 |
| Dengue Fever | 30 |
| Zika Fever | 78 |
| Malaria | 51 |
| Eastern Equine Encephalitis | 3 |
| West Nile Virus | 16 |

Table 1. Human cases of mosquito-borne disease reported in Florida, Jan. 1– October 13, 2018.

¹ Florida Department of Health. Florida Arbovirus Surveillance. <http://www.floridahealth.gov/diseases-and-conditions/mosquito-borne-diseases/index.html>.

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DISEASE REPORTING

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After Hours Line
(904) 813-6801

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INFLUENZA SURVEILLANCE

County influenza and influenza-like illness (ILI) activity

The 2018-2019 influenza season started on September 30th. Nassau County reported mild flu activity for week 40 (Sept. 30-Oct. 6). Visits to emergency departments for ILI remain at low levels, and all community sentinels reported no or minimal ILI activity. No influenza or ILI outbreaks have been reported in Nassau County during the 2018-19 flu season.

State influenza and ILI activity²

- ✦ Influenza activity remained at low levels in Florida during week 40. The majority of counties reported no or mild ILI activity in week 40 (Fig. 1).
- ✦ Since July, the most common influenza subtype detected at the Florida Department of Health Bureau of Public Health Laboratories has been influenza A 2009 (H1N1). It is still too early to say if influenza A 2009 (H1N1) will predominate throughout this flu season.
- ✦ Two influenza and ILI outbreaks were reported in schools/camps in week 40: one outbreak of ILI and one outbreak of influenza unspecified and group A *Streptococcus*.
- ✦ One influenza-associated pediatric death was reported in an unvaccinated child in week 40.

County Influenza Activity Maps²

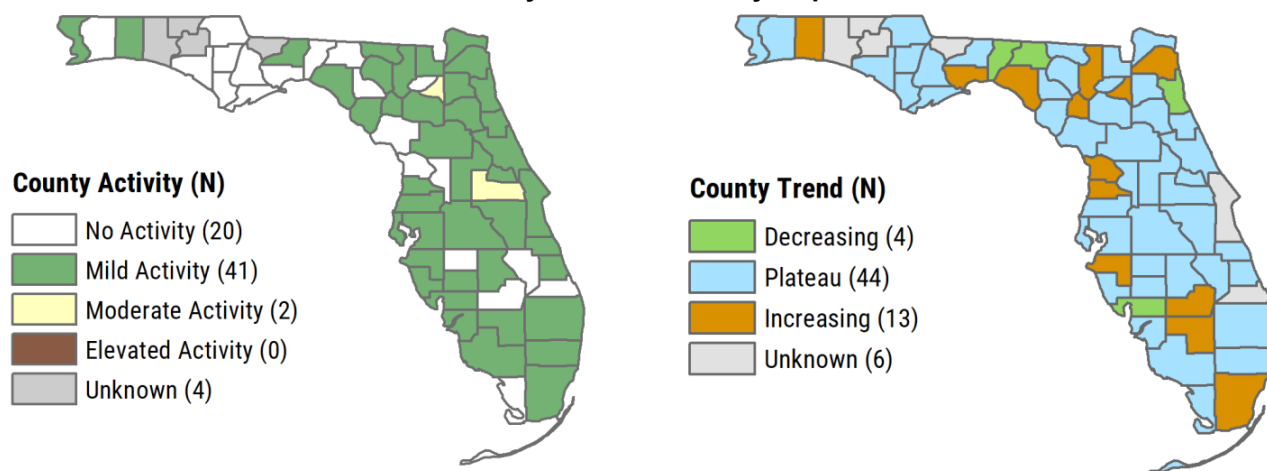


Figure 1. The majority of counties reported no activity or mild activity for week 40. The majority of counties reported activity at a plateau for week 40.

National influenza and ILI activity³

- ✦ For the week ending October 6 (week 40) the proportion of people seeing their health care provider for ILI was 1.4% and is below the national baseline of 2.2%.
- ✦ Nationally, the percentage of respiratory specimens testing positive for influenza viruses in clinical laboratories during week 40 was 0.9%. The most frequently identified influenza virus type reported by public health laboratories was influenza A virus.
- ✦ New York City, the District of Columbia, and 49 states experienced minimal ILI activity in week 40. Data were insufficient to calculate an ILI activity level from Puerto Rico and one state (New York).
- ✦ None of the viruses tested from May 20-October 6, 2018 were found to be resistant to oseltamivir, zanamivir, or peramivir.

² Florida Department of Health. Florida Flu Review. www.floridahealth.gov/floridafiu

³ Centers for Disease Control and Prevention. Weekly U.S. influenza Surveillance Report. <https://www.cdc.gov/flu/weekly/summary.htm>

STD SURVEILLANCE

Confirmed, Probable, Suspect Cases of Bacterial Sexually Transmitted Diseases Reported in Third Quarter 2018 with Three-Year Period Comparison for Nassau County

| Disease Name | Selection Date | | Comparison Date 1 | | Comparison Date 2 | | Comparison Date 3 | |
|---------------|---------------------|---------------|---------------------|---------------|---------------------|---------------|---------------------|---------------|
| | 07/01/18 - 09/30/18 | | 07/01/17 - 09/30/17 | | 07/01/16 - 09/30/16 | | 07/01/15 - 09/30/15 | |
| | Cases | Percent | Cases | Percent | Cases | Percent | Cases | Percent |
| NASSAU COUNTY | | | | | | | | |
| Chlamydia | 80 | 85.1% | 51 | 79.7% | 52 | 70.3% | 49 | 77.8% |
| Gonorrhea | 11 | 11.7% | 13 | 20.3% | 20 | 27.0% | 12 | 19.0% |
| Syphilis | 3 | 3.2% | 0 | 0.0% | 2 | 2.7% | 2 | 3.2% |
| TOTAL | 94 | 100.0% | 64 | 100.0% | 74 | 100.0% | 63 | 100.0% |
| STATEWIDE | | | | | | | | |
| Chlamydia | 25871 | 71.8% | 24154 | 71.1% | 24263 | 72.2% | 23416 | 73.7% |
| Gonorrhea | 8105 | 22.5% | 7799 | 23.0% | 7249 | 21.6% | 6452 | 20.3% |
| Syphilis | 2059 | 5.7% | 2007 | 5.9% | 2101 | 6.3% | 1981 | 6.0% |
| TOTAL | 36035 | 100.0% | 33960 | 100.0% | 33613 | 100.0% | 31759 | 100.0% |

Table 2. Confirmed, probable, and suspect case counts for bacterial sexually transmitted diseases in Nassau County and Florida, second quarter 2015 through second quarter 2018.

UPCOMING EVENTS & TRAININGS

- ✦ The Florida Health Grand Rounds is a monthly webinar presentation given by a researcher from one of Florida's colleges or universities and hosted by the Florida Department of Health. **On October 9th at 10:00am, Dr. Maria Jose Miguez of Florida International University presented on Biobehavioral Interventions for Smokers Living with HIV.** Smoking rates among persons living with HIV are two to four times higher than the general population, which can increase the risks of numerous diseases and threaten health gains achieved with antiretroviral therapy (ART). As a result these individuals lose more life-years to smoking than to HIV, with mortality tripling compared to the general population. This presentation explored biobehavioral interventions that can be delivered to persons living with HIV with the purpose of reducing smoking and other tobacco use. For more information on Florida Health Grand Rounds and to view the recorded webinar, visit <http://www.floridahealth.gov/provider-and-partner-resources/research/florida-health-grand-rounds/index.html>.
- ✦ The Florida Department of Health invites our community partners to join us for **"Exploring Local Health Data with FLHealthCHARTS" on Thursday, November 8th at 10:00am.** In this webinar you will learn to find local health data using FLHealthCHARTS, a free online database of health indicators; explore ways to tailor data searches and display results; and acquire tools to enhance community health assessments and grants. To register visit <https://register.gotowebinar.com/register/5767884461826901505>.
- ✦ The Florida Department of Health Immunization Section would like share information about an upcoming webinar, **Since You Asked: Persuading Parents that HPV Vaccine is Safe and Effective in Practice. This training opportunity will be hosted by National Area Health Education Center (AHEC) and is scheduled for Thursday, November 1, 3 p.m.–4 p.m. EST.** This activity has been designed to meet the educational needs of health professionals who provide and/or promote immunizations including physicians, physician assistants, nurse practitioners, registered nurses, as well as health professions students. To register visit <https://events-na5.adobeconnect.com/content/connect/c1/951358841/en/events/event/>

SEPTEMBER 2018: REPORTED CASES IN NASSAU COUNTY

Confirmed, Probable, Suspect Cases of Multiple Diseases with Report Date 09/01/18 to 09/30/18 with Three-Year Period Comparison for Nassau County

| Disease Name | Selection Date | | Comparison Date 1 | | Comparison Date 2 | | Comparison Date 3 | |
|--|-------------------|---------------|-------------------|---------------|-------------------|---------------|-------------------|---------------|
| | 09/01/18-09/30/18 | | 09/01/17-09/30/17 | | 09/01/16-09/30/16 | | 09/01/15-09/30/15 | |
| | Cases | Percent | Cases | Percent | Cases | Percent | Cases | Percent |
| NASSAU COUNTY | | | | | | | | |
| Campylobacteriosis | 1 | 4.5% | 1 | 4.2% | 1 | 4.0% | 0 | 0.0% |
| Carbon Monoxide Poisoning | 0 | 0.0% | 0 | 0.0% | 2 | 8.0% | 0 | 0.0% |
| Ehrlichiosis, HME (Ehrlichia chaffeensis) | 1 | 4.5% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Escherichia coli, Shiga Toxin-Producing (STEC) Infection | 1 | 4.5% | 0 | 0.0% | 1 | 4.0% | 0 | 0.0% |
| Giardiasis, Acute | 0 | 0.0% | 1 | 4.2% | 1 | 4.0% | 1 | 5.6% |
| Hepatitis B, Acute | 0 | 0.0% | 1 | 4.2% | 0 | 0.0% | 0 | 0.0% |
| Hepatitis B, Chronic | 0 | 0.0% | 2 | 8.3% | 0 | 0.0% | 1 | 5.6% |
| Hepatitis C, Chronic | 5 | 22.7% | 5 | 20.8% | 10 | 40.0% | 9 | 50.0% |
| Legionellosis | 0 | 0.0% | 3 | 12.5% | 0 | 0.0% | 0 | 0.0% |
| Lyme Disease | 1 | 4.5% | 0 | 0.0% | 1 | 4.0% | 0 | 0.0% |
| Rabies, Possible Exposure | 2 | 9.1% | 1 | 4.2% | 1 | 4.0% | 4 | 22.2% |
| Salmonellosis | 10 | 45.5% | 8 | 33.3% | 7 | 28.0% | 2 | 11.1% |
| Shigellosis | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 5.6% |
| Varicella (Chickenpox) | 0 | 0.0% | 1 | 4.2% | 0 | 0.0% | 0 | 0.0% |
| Vibriosis (Excluding Cholera) | 0 | 0.0% | 1 | 4.2% | 0 | 0.0% | 0 | 0.0% |
| West Nile Virus Non-Neuroinvasive Disease | 1 | 4.5% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Zika Virus Disease and Infection, Non-Congenital | 0 | 0.0% | 0 | 0.0% | 1 | 4.0% | 0 | 0.0% |
| TOTAL | 22 | 100.0% | 24 | 100.0% | 25 | 100.0 | 18 | 100.0% |
| STATEWIDE | | | | | | | | |
| Campylobacteriosis | 338 | 6.5% | 301 | 5.4% | 270 | 5.6% | 283 | 6.0% |
| Carbon Monoxide Poisoning | 21 | 0.4% | 322 | 5.7% | 26 | 0.5% | 30 | 0.6% |
| Ehrlichiosis, HME (Ehrlichia chaffeensis) | 5 | 0.1% | 2 | 0.0% | 3 | 0.1% | 2 | 0.0% |
| Escherichia coli, Shiga Toxin-Producing (STEC) Infection | 79 | 1.5% | 29 | 0.5% | 49 | 1.0% | 43 | 0.9% |
| Giardiasis, Acute | 98 | 1.9% | 88 | 1.6% | 91 | 1.9% | 113 | 2.4% |
| Hepatitis B, Acute | 61 | 1.2% | 53 | 0.9% | 68 | 1.4% | 43 | 0.9% |
| Hepatitis B, Chronic | 513 | 9.9% | 330 | 5.9% | 362 | 7.5% | 404 | 8.6% |
| Hepatitis C, Chronic | 2092 | 40.4% | 1979 | 35.2% | 2094 | 43.3% | 1864 | 39.8% |
| Legionellosis | 73 | 1.4% | 58 | 1.0% | 46 | 1.0% | 31 | 0.7% |
| Lyme Disease | 25 | 0.5% | 17 | 0.3% | 36 | 0.7% | 26 | 0.6% |
| Rabies, Possible Exposure | 277 | 5.4% | 253 | 4.5% | 269 | 5.6% | 228 | 4.9% |
| Salmonellosis | 777 | 15.0% | 733 | 13.0% | 827 | 17.1% | 822 | 17.5% |
| Shigellosis | 75 | 1.4% | 98 | 1.7% | 92 | 1.9% | 151 | 3.2% |
| Varicella (Chickenpox) | 64 | 1.2% | 47 | 0.8% | 60 | 1.2% | 93 | 2.0% |
| Vibriosis (Excluding Cholera) | 18 | 0.3% | 33 | 0.6% | 16 | 0.3% | 22 | 0.5% |
| West Nile Virus Non-Neuroinvasive Disease | 1 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Zika Virus Disease and Infection, Non-Congenital | 18 | 0.3% | 27 | 0.5% | 165 | 3.4% | 0 | 0.0% |
| Other remaining conditions in FL (not shared with Nassau County) | 635 | 12.3% | 1248 | 22.2% | 363 | 7.5% | 530 | 11.3% |
| TOTAL | 5173 | 100.0% | 5618 | 100.0% | 4837 | 100.0% | 4685 | 100.0% |

Table 3. Confirmed, probable, and suspect case counts for reportable diseases and conditions in Nassau County and Florida, September 2015 through September 2018.

HEALTH BULLETINS, ADVISORIES & ALERTS**Press Releases & Public Information**

For additional information regarding press releases visit the DOH-Nassau website or Department of Health Online Newsroom at: <http://nassau.floridahealth.gov/> and <http://www.floridahealth.gov/newsroom/>

- ✦ Press Release 09/07/18: 2018 Nassau Health Summit— Make Your Voice Heard
- ✦ Press Release 09/17/18: Health Officials Issue Mosquito-borne Illnesses Alert
- ✦ Press Release 10/02/18: A Message from the Florida Dept. of Health in Nassau: Top Five Health Concerns to be Addressed in Nassau

2019-2021 Community Health Improvement Plan (CHIP)

On Wednesday, September 26, 2018 more than fifty people convened in Yulee for the Nassau Health Summit to review the latest health data and findings of four community assessments. These assessments were completed by the Partnership for a Healthier Nassau (PHN) using the National Association of County and City Health Officials (NACCHO) guidelines, known as “Mobilizing for Action through Planning and Partnership” (MAPP). The process supported the completion of four county-wide assessments over the last six months which included large community meetings, focus groups, survey collection, and data review. Attendees of the meeting are members of the PHN initiative. You are also invited to join this Nassau health effort – The PHN vision is: “To have healthy communities in Nassau County that support optimal health and quality of life through collaboration, strong leadership, policy and environmental change and resident empowerment.”

The assessment findings were extensive, but were ultimately categorized by the attendees into twelve top areas of health concern. These areas include: Housing, Access to Care, Behavioral Health and Substance Abuse, Health Disparities, Community Support, Rapid Growth and Expansion, Community Safety, Limited Transportation, Education and Prevention, Lack of Safe Places to Exercise, Chronic Disease and Distance to Healthy Foods.

After a detailed discussion of these topics, the attendees voted on the areas they believed were most important. They next voted on issue areas which were perceived to have the most resources and influence to change. The top five issue areas were simplified to include:

- ✦ **Housing** – includes: affordable housing/resources and continuum of care retirement communities (CCRC)
- ✦ **Access to Care** – includes: hours, cost, provider shortage, competitive pay for providers
- ✦ **Behavioral Health and Substance Abuse** – includes: affordable and accessible care, care for the socially isolated
- ✦ **Health Disparities** – in the areas of cancer (breast, colorectal, prostate), heart disease, infant mortality, low birth weight, chronic diseases (stroke, diabetes) and HIV
- ✦ **Community Support** – to enhance help to caregivers and parents, address the Yulee and Westside area by creating new “community systems for connection” and address affordable childcare

Over the next three months, goals and action steps will be created by local workgroups. We are recruiting members for the workgroups. The new goals will be included in the Community Health Improvement Plan (CHIP) to be launched in January 2019. If you are interested in these five topics and want to help create action steps, call Mary von Mohr who will link you with the workgroup chair. We need your ideas and energy – and welcome your interest.

To stay informed visit <http://nassau.floridahealth.gov/> - Community Health Planning link or call Mary von Mohr at 904-557-9133 or email: mary.vonmohr@flhealth.gov