

# Florida Arbovirus Surveillance Week 37: September 11-17, 2016

Arbovirus surveillance in Florida includes endemic mosquito-borne viruses such as West Nile virus (WNV), Eastern equine encephalitis virus (EEEV), and St. Louis encephalitis virus (SLEV), as well as 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. During the period of September 11-17, 2016 the following arboviral activity was recorded in Florida.

**WNV activity:** No human cases of WNV infection were reported this week. No horses with WNV infection were reported this week. Seventeen sentinel chickens tested positive for antibodies to WNV this week in Citrus, Hillsborough, Lee, Leon, Manatee, Nassau, Sarasota, and Walton Counties. In 2016, positive samples from 113 sentinel chickens, four humans, one horse, and five mosquito pools have been received from 17 counties.

**SLEV activity:** No human cases of SLEV infection were reported this week. Two sentinel chickens tested positive for antibodies to SLEV this week in Lee County. In 2016, four positive samples from sentinel chickens have been received from one county.

**EEEV activity:** No human cases of EEEV infection were reported this week. No horses with EEEV infection were reported this week. Two sentinel chickens tested positive for antibodies to EEEV this week in Leon County. In 2016, positive samples from 75 sentinel chickens and 19 horses have been received from 21 counties.

**International Travel-Associated Dengue Fever Cases:** No new cases of dengue fever were reported this week in persons that had international travel. In 2016, 40 travel-associated cases have been reported.

**Dengue Fever Cases Acquired in Florida:** No cases of locally acquired dengue fever were reported this week. In 2016, one case of locally acquired dengue fever has been reported.

**International Travel-Associated Chikungunya Fever Cases:** No cases of chikungunya fever were reported this week. In 2016, six travel-associated cases have been reported.

**Chikungunya Fever Cases Acquired in Florida:** No cases of locally acquired chikungunya fever were reported this week. In 2016, no cases of locally acquired chikungunya fever have been reported.

**International Travel-Associated Zika Fever Cases:** Forty cases of Zika fever were reported this week in persons that had international travel. In 2016, 716 travel-associated cases have been reported.

**Zika Fever Cases Acquired in Florida:** Twenty-one cases of Zika fever were reported this week in persons that had no international travel. In 2016, 85 local cases have been reported.

Advisories/Alerts: Bay County is currently under mosquito-borne illness alert. Duval, Escambia, Jefferson, Monroe, Polk, Okaloosa, Osceola, St. Johns, Santa Rosa, Walton, and Washington Counties are currently under mosquito-borne illness advisory. Thirty-seven counties are currently under a declared public health emergency due to the identification of travel-associated Zika infections: Alachua, Bay, Brevard, Broward, Charlotte, Citrus, Clay, Collier, Duval, Escambia, Flagler, Hernando, Highlands, Hillsborough, Lake, Lee, Leon, Manatee, Marion, Martin, Miami-Dade, Monroe, Nassau, Okaloosa, Okeechobee, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, St. Johns, St. Lucie, Santa Rosa, Sarasota, Seminole, and Volusia Counties.

Florida has confirmed local transmissions of Zika virus are occurring in two small areas in Miami-Dade County. Area One is just north of downtown. The exact location is within the boundaries of the following area: NW 5th

Avenue to the west, US 1 to the east, NW/NE 38th Street to the north and NW/NE 20th Street to the south. Area Two in Miami Beach was recently expanded to an area within the boundaries of 8th and 63rd streets. A map of the areas along with public health recommendations can be seen at: http://www.floridahealth.gov/newsroom/2016/09/091916-zika-update.html

There is a Level 2 (Alert) Travel Health Notice from the CDC for multiple countries in the Caribbean, Central and South America, Mexico, Cape Verde, and Pacific Islands related to Zika virus transmission and an association with poor pregnancy outcomes. Pregnant women should consider postponing travel to these areas. There is a Level 1 (Watch) Travel Health Notice from the CDC for multiple countries in the Caribbean, Central and South America, and Mexico, related to the transmission of chikungunya virus. Additional information on travel health notices can be found at the following link: <a href="http://wwwnc.cdc.gov/travel/notices">http://wwwnc.cdc.gov/travel/notices</a>.

# 2016 Human Case Summary\*

West Nile Virus Illnesses Acquired in Florida: A total of four human cases of WNV illness acquired in Florida have been reported in 2016; one in Duval County (August), one in Escambia County (August), one in Okaloosa County (July) and one in Santa Rosa County (August).

**International Travel-Associated Chikungunya Fever Cases:** Six cases of chikungunya with onset in 2016 have been reported in individuals with travel history to a chikungunya endemic country in the two weeks prior to onset. Countries of origin were Bahamas/Mexico, Bolivia (2), Brazil (2), and Jamaica. Counties reporting cases were Broward, Duval, Hillsborough, Palm Beach (2), and Pinellas.

**International Travel-Associated Dengue Fever Cases:** Forty cases of dengue with onset in 2016 have been reported in individuals with travel history to a dengue endemic country in the two weeks prior to onset. Countries of origin were: Brazil (3), Colombia (3), Costa Rica (5), Cuba (7), Dominican Republic (2), El Salvador, Ghana, Haiti (3), Honduras, Indonesia, Jamaica (5), Mexico, Puerto Rico (2), St. Barthelemy, Singapore, and Venezuela (3). Counties reporting cases were: Alachua (2), Brevard, Broward (8), Clay, Columbia, Hillsborough (2), Lee, Manatee, Miami-Dade (9), Monroe, Orange (5), Pinellas (2), Palm Beach (2), Sarasota, and Seminole (3). Two cases were reported in non-Florida residents. In 2016, 27 of the 40 cases of dengue reported in Florida have been serotyped by PCR. Additional serotyping and strain typing are being conducted.

	# of cases per serotype – 2016
DENV-1	8
DENV-2	6
DENV-3	8
DENV-4	5
	27

**Dengue Fever Cases Acquired in Florida:** In 2016, one case of locally acquired dengue fever has been reported in Monroe County, with onset in May. This case was reported in a non-Florida resident.

International Travel-Associated Zika Fever Cases: Seven hundred sixteen cases of Zika fever have been reported in individuals with travel history to a country or area experiencing Zika virus activity. Countries of origin were: Anguilla, Antigua, Bahamas (3), Barbados (2), Barbados/Dominica (2), Belize (2), Bolivia (3), Brazil (6), Brazil/Bolivia/Peru, Brazil/Caribbean, Caribbean, Colombia (35), Costa Rica (4), Cuba (4), Curacao/Guyana, Dominica (2), Dominican Republic (119), Dominican Republic/Puerto Rico (2), Ecuador, El Salvador (4), Grenada (4), Guadeloupe (2), Guatemala (11), Guyana (5), Haiti (32), Honduras (27), Honduras/Guatemala, Honduras/Mexico, Jamaica (86), Jamaica/Panama, Martinique (3), Mexico (18), Mexico/Caribbean, Mexico/Panama, Mexico/Turks and Caicos, Nicaragua (102), Puerto Rico (150), St. Lucia, St. Martin (2), Suriname, Trinidad and Tobago (21), Venezuela (39), and Virgin Islands (9). Counties reporting cases were: Alachua (10), Bay (3), Brevard (13), Broward (109), Charlotte, Citrus (2), Clay (3), Collier (6), Duval (8), Escambia (3), Flagler (2), Hernando (4), Highlands, Hillsborough (19), Lake (3), Lee (12), Leon (2), Manatee (4), Marion (3), Martin (2), Miami-Dade (219), Monroe (4), Nassau, Okaloosa (3), Okeechobee,

Orange (72), Osceola (27), Palm Beach (36), Pasco (8), Pinellas (16), Polk (23), St. Johns (4), St. Lucie (5), Santa Rosa, Sarasota (3), Seminole (20), and Volusia (8). Twenty-eight cases were reported in non-Florida residents. One Polk County case and one Lee County case were acquired through sexual transmission. Fifty-three of the 716 cases involve pregnant women whose counties of residence are not included in the individual county totals to protect privacy. Florida has been monitoring pregnant women with evidence of Zika virus infection regardless of symptoms since January. Including the 53 pregnant cases mentioned, Florida is monitoring a total of 86 pregnant women.

**Zika Virus Infections Acquired in Florida:** In 2016, 85 locally acquired Zika virus infections have been reported by Miami-Dade (77), Broward (2), Palm Beach (5), and Pinellas (1) Counties. In addition, ten cases were reported in non-Florida residents. Most infections were linked to two focal areas in Miami-Dade County; 31 cases were linked to the Wynwood area and 38 cases (including 9 out of state residents) were linked to the Miami Beach area.

International Travel-Associated Malaria Cases: Forty-one cases of malaria with onset in 2016 have been reported. Countries of origin were: Africa, Angola, Benin, Burkina Faso, Cameroon (2), Chad, Colombia, Democratic Republic of the Congo (2), Dominican Republic, Gabon, Ghana, Haiti (4), Honduras, India (2), Kenya, Nigeria (10), Sierra Leone (3), South Africa, Sudan, Uganda (3), and Venezuela (2). Counties reporting cases were: Alachua (2), Brevard (2), Broward (7), Duval (2), Flagler, Gadsden, Hernando, Hillsborough (4), Leon, Miami-Dade (8), Orange (7), Palm Beach, St. Lucie (2), Sarasota, and Volusia. Three cases were reported in non-Florida residents.

Thirty-three cases (81%) were diagnosed with *Plasmodium falciparum*. Six cases (15%) were diagnosed with *Plasmodium vivax*. One case (2%) was diagnosed with *Plasmodium malariae*. One case (2%) was diagnosed with *Plasmodium ovale*.

#### Veterinary Cases\*

\*Veterinary cases are reported by date of onset

No horses with EEEV or WNV infection were reported this week.



# Veterinary EEEV Disease in Florida, September 2015-2016



The table below is for the reporting of confirmatory laboratory results from this week. Some of the samples were collected at earlier dates. The date of collection is recorded for samples collected on that day along with the total number of positives and the corresponding seroconversion rate for the week the sample was collected.

Seventeen sentinel chickens tested positive for antibodies to WNV this week in Citrus, Hillsborough, Lee, Leon, Manatee, Nassau, Sarasota, and Walton Counties. Two sentinel chickens tested positive for antibodies to SLEV this week in Lee County. Two sentinel chickens tested positive for antibodies to EEEV this week in Leon County.

				Seroconversion Rates (%)		Со	unty Totals			
County	Collection Date	Flavi	SLEV	WNV	Alpha	EEEV	HJV	Collection Week	YTD	
Citrus	08/23/16	1.39		1.39				1 WNV	6 EEEV, 2 HJV, 1 WNV	
Hillsborough	08/03/16	2.63		2.63				2 WNV		
_	08/23/16	1.37		1.37				1 WNV	13 WNV	
Lee	08/23/16	7.69	5.13					2 SLEV,		
Lee	00/23/10	7.09	5.15					1 WNV	3 WNV, 4 SLEV	
	09/05/16	5.00	2.50	2.50				1 SLEV,	3 WINV, 4 SLEV	
	09/05/16	5.00	2.50	2.50				1 WNV		
Leon	08/29/16	2.17		2.17	4.17	4.17		2 EEEV,	7 EEEV, 6 WNV	
Leon	00/29/10	2.17		2.17	4.17	4.17		1 WNV		
Manatee	09/07/16	1.33		1.33				1 WNV	3 WNV	
Nassau	09/02/16	2.94		2.94				1 WNV	5 EEEV, 2 WNV	
Sarasota	08/29/16	1.52		1.52				1 WNV	7 WNV, 1 EEEV	
Walton	08/24/16	8.00		8.00				8 WNV		
	08/29/16	5.83		5.83				6 WNV	25 EEEV, 37 WNV,	
	09/06/16	0.97		0.97				1 WNV	2 HJV	







Week

## **Mosquito Pools**

One mosquito pool tested positive for Zika this week in Miami-Dade County.

County	Collection Week	Result	Species	County YTD
Miami-Dade	36	Zika	Aedes aegypti	5 ZIKA

#### **Dead Birds**

The Fish and Wildlife Conservation Commission (FWC) collects reports of dead birds, which can be an indication of arbovirus circulation in an area. This week, 8 reports representing a total of 34 dead birds, including 5 raptors were received from 6 counties.

In 2016, 364 reports representing a total of 1153 dead bird (61 crows, 3 jays, 78 raptors, and 14 doves) were received from 47 of Florida's 67 counties. Please note that FWC collects reports of birds that have died from a variety of causes, not only arboviruses. Dead birds should be reported to <u>www.myfwc.com/bird/</u>.

2016

County	Total Dead Birds	Crows	Jays	Raptors	Dove
Bay	2	0	0	0	0
Collier	12	0	0	0	0
Duval	11	0	0	0	0
Lee	3	0	0	0	0
Nassau	5	0	0	5	0
Osceola	1	0	0	0	0

#### Maps





2016 Arbovirus	Activity by	y County
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County	Arbovirus Activity
Alachua	EEEV: 1 sentinel (7/18)
Вау	EEEV: 1 sentinel (4/18) WNV: 5 mosquito pool (6/1, 7/6, 8/3); 27 sentinels (6/27, 7/5, 7/18, 7/25, 8/1, 8/8, 8/15, 8/22)
Brevard	WNV: 1 sentinel (8/4)
Broward	ZIKV: 2 humans (July)
Citrus	EEEV: 6 sentinels (1/4, 1/25, 2/29, 3/21, 5/31, 6/14) HJV: 2 sentinels (2/1, 2/8) WNV: 1 sentinel (8/23)
Duval	WNV: 1 human (August)
Escambia	WNV: 1 human (August)
Flagler	EEEV: 4 sentinels (5/2, 6/27, 7/18)
Hillsborough	WNV: 13 sentinels (1/5, 1/12, 3/8, 4/20, 5/11, 5/24, 7/12, 8/3, 8/23)
Highlands	EEEV: 1 horse (7/18)
Jackson	EEEV: 2 horses (7/6, 7/16)
Jefferson	EEEV: 3 horses (6/16, 6/24, 7/24)
Lake	EEEV: 1 horse (8/3)
Lee	WNV: 3 sentinels (1/26, 8/23, 9/5) SLEV: 4 sentinels (7/12, 8/23,9/5)

Leon     EEEV: 7 sentinels (7/11, 7/18, 8/1, 8/29)       WNV: 3 continels (7/25, 8/1, 8/8, 8/22, 8/29)       Manatee     WNV: 3 sentinels (2/17, 7/26, 9/7)       Miami-Dade     ZIKV: 77 humans (July, August, September); 5 mosquito pools (Week 34/35/36)       Monroe     Dengue: 1 human (May)       Nassau     EEEV: 5 sentinels (5/13, 5/20, 6/30, 7/21, 7/28)       WNV: 2 sentinels (5/13, 5/20, 6/30, 7/21, 7/28)     WNV: 7 sentinels (1/11, 1/26, 2/1, 2/8, 5/47, 6/27)       Orange     EEEV: 9 sentinels (1/11, 1/26, 2/1, 2/8, 5/47, 6/27)       HJV: 2 sentinels (1/11, 1/26, 2/1, 2/8, 5/47, 6/27)     HJV: 2 sentinels (1/14, 1/21)       Osceola     EEEV: 4 horses (5/6, 6/22, 7/10, 7/15)       WNV: 1 horse (6/22)     EEEV: 4 horses (5/31)       ZIKV: 5 humans (July, August)     EEEV: 4 horses (5/31)       ZIKV: 1 horse (6/21, 7/25)     ZIKV: 1 human (August)       Pasco     WNV: 1 sentinel (7/25)       ZIKV: 1 human (August)     EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25)       Polk     EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25)       WNV: 1 sentinel (7/18)     WNV: 1 sentinel (7/18)       Putnam     EEEV: 1 horse (6/6/13, 6/20, 6/27, 8/15, 8/22)       EEEV: 1 sentinel (4/8)     EEEV: 1 sentinel (		
WNV: 6 sentinels (//25, 8/1, 8/8, 8/22, 8/29)       Manatee     WNV: 3 sentinels (2/17, 7/26, 9/7)       Mami-Dade     ZIKV: 77 humans (July, August, September); 5 mosquito pools (Week 34/35/36)       Monroe     Dengue: 1 human (May)       Nassau     EEEV: 5 sentinels (5/13, 5/20, 6/30, 7/21, 7/28)       WNV: 2 sentinels (5/13, 5/20, 6/30, 7/21, 7/28)     WNV: 2 sentinels (5/26, 9/1)       Okaloosa     WNV: 1 human (July)       WNV: 7 sentinels (1/11, 1/26, 2/1, 2/8, 5/17, 6/27)       EEEV: 9 sentinels (1/14, 1/21)       Osceola     EEEV: 4 horses (5/6, 6/22, 7/10, 7/15)       WNV: 1 horse (6/22)     EEEV: 4 horses (5/31)       ZIKV: 5 humans (July, August)     EEEV: 4 horses (5/31)       Pasco     WNV: 1 sentinel (8/10)       Pinellas     EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25)       WNV: 1 sentinel (7/15)     WNV: 1 sentinel (7/16)       Santa Rosa     WNV: 1 sentinel (7/19)       Sarasota     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29)       EEEV: 1 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29)     EEEV: 1 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29)       Seminole     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/2, 3/2, 3/2, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22)	Leon	EEEV: 7 sentinels (7/11, 7/18, 8/1, 8/29)
Miami-Dade     ZiKV: 77 humans (July, August, September); 5 mosquito pools (Week 34/35/36)       Monroe     Dengue: 1 human (May)       Nassau     EEEV: 5 sentinels (5/13, 5/20, 6/30, 7/21, 7/28) WNV: 2 sentinels (5/26, 9/1)       Okaloosa     WNV: 1 human (July)       WNV: 7 sentinels (1/11, 1/26, 2/1, 2/8, 5/17, 6/27) HJV: 2 sentinels (1/14, 1/21)       Osceola     EEEV: 4 sentinels (1/14, 1/21)       Osceola     EEEV: 4 horses (5/6, 6/22, 7/10, 7/15) WNV: 1 horse (6/22)       Palm Beach     EEEV: 1 sentinel (7/125) ZIKV: 5 humans (July, August)       Pasco     WNV: 1 sentinel (7/25) ZIKV: 1 human (August)       Polk     EEEV: 1 sentinel (7/18)       Putnam     EEEV: 1 sentinel (7/19)       Sarasota     WNV: 7 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (7/19)       Sarasota     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (7/18)       Putnam     EEEV: 1 sentinel (7/19)       Sarasota     WNV: 7 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (2/2, 4/4, 4/11, 5/17)       EEEV: 1 sentinel (2/2)     Sentinels (2/2, 4/4, 4/11, 5/17)       EEEV: 1 sentinels (2/2, 4/4, 4/11, 5/17)     EEEV: 1 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Settinels     EEEV: 1 sentinels (1/2, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/27, 7/5, 7/1	LCON	WNV: 6 sentinels (7/25, 8/1, 8/8, 8/22, 8/29)
Monroe     Dergue: 1 human (May)       Nassau     EEEV: 5 sentinels (5/13, 5/20, 6/30, 7/21, 7/28) WNV: 2 sentinels (5/26, 9/1)       Okaloosa     WNV: 1 human (July)       Orange     EEEV: 9 sentinels (1/11, 1/26, 2/1, 2/8, 5/17, 6/27) HJV: 2 sentinels (1/14, 1/21)       Osceola     EEEV: 9 sentinels (1/14, 1/21)       Osceola     EEEV: 1 horse (5/2, 2/1, 0, 7/15) WNV: 1 horse (6/22)       Palm Beach     EEEV: 1 horse (5/31) ZIKV: 5 humans (July, August)       Pasco     WNV: 1 sentinel (7/25) ZIKV: 1 human (August)       Polk     EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25) WNV: 1 sentinel (7/18)       Putnam     EEEV: 1 sentinel (7/19)       Sarta Rosa     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (4/8)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 1 0 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Watton     EEEV: 1 1 sentinel (1/1), 1/19, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/32) WNV: 3 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)	Manatee	WNV: 3 sentinels (2/17, 7/26, 9/7)
Nassau     EEEV: 5 sentinels (5/13, 5/20, 6/30, 7/21, 7/28) WNV: 2 sentinels (5/26, 9/1)       Okaloosa     WNV: 1 human (July)       WNV: 7 sentinels (1/11, 1/26, 2/1, 2/8, 5/17, 6/27)       Orange     EEEV: 9 sentinels (1/11, 1/26, 2/1, 2/8, 5/17, 6/27)       HJV: 2 sentinels (1/14, 1/21)       Osceola     EEEV: 4 horse (5/6, 6/22, 7/10, 7/15)       WNV: 1 horse (5/31)       ZIKV: 5 humans (July, August)       Pasco     WNV: 1 sentinel (8/10)       Pinellas     EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25)       ZIKV: 1 human (August)     EEEV: 1 sentinel (7/18)       Putnam     EEEV: 1 sentinel (7/19)       Sarasota     WNV: 7 sentinels (2/2, 4/4, 4/11, 5/17)       EEEV: 1 sentinel (2/2)     WNV: 3 sentinels (2/2, 4/4, 4/11, 5/17)       EEEV: 1 sentinel (5/9)     Sentinels       Sarasota     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29)       EEEV: 1 sentinel (5/9)     EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 1 sentinel (4/8)       Walton     EEEV: 1 osentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 1 osentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6)       HJV: 2 sentinels (1/26, 4/25) </th <th>Miami-Dade</th> <th>ZIKV: 77 humans (July, August, September); 5 mosquito pools (Week 34/35/36)</th>	Miami-Dade	ZIKV: 77 humans (July, August, September); 5 mosquito pools (Week 34/35/36)
Nassau     WNV: 2 sentinels (5/26, 9/1)       Okaloosa     WNV: 1 human (July)       Orange     WNV: 7 sentinels (1/11, 1/26, 2/1, 2/8, 5/17, 6/27)       Orange     EEEV: 9 sentinels (1/14, 1/21)       Osceola     EEEV: 4 horses (5/6, 6/22, 7/10, 7/15)       WNV: 1 horse (6/22)     EEEV: 1 horse (5/31)       ZIKV: 5 humans (July, August)     EEEV: 1 korse (5/31)       Pasco     WNV: 1 sentinel (8/10)       Pinellas     EEEV: 1 sentinel (7/25)       ZIKV: 5 humans (July, August)     Polk       Petev: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25)       WNV: 1 sentinel (7/18)     WNV: 1 sentinel (7/19)       Santa Rosa     WNV: 1 human (August)       Seminole     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29)       EEEV: 1 sentinel (7/19)     Sata Rosa       Sata Rosa     WNV: 7 sentinels (2/2, 4/4, 4/11, 5/17)       EEEV: 1 sentinel (4/8)     EEEV: 1 sentinel (5/9)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17)       EEEV: 1 losentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 1 osentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 1 losentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22, 8/24, 8/29,	Monroe	Dengue: 1 human (May)
WNV: 2 sentinels (5/26, 9/1)       Okaloosa     WNV: 1 human (July)       WNV: 7 sentinels (1/1, 1/26, 2/1, 2/8, 5/17, 6/27)       Orange     EEEV: 9 sentinels (1/1, 1/26, 2/1, 2/8, 5/17, 6/27)       HJV: 2 sentinels (1/14, 1/21)       Osceola     EEEV: 4 horses (5/6, 6/22, 7/10, 7/15)       WNV: 1 horse (6/22)       Palm Beach     EEEV: 1 horse (5/31)       ZIKV: 5 humans (July, August)       Pasco     WNV: 1 sentinel (8/10)       Pinellas     EEEV: 1 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25)       WNV: 1 sentinel (7/125)     ZIKV: 1 human (August)       Polk     EEEV: 1 sentinel (7/18)       Santa Rosa     WNV: 1 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29)       EEEV: 1 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29)       EEEV: 1 sentinels (2/2, 4/4, 4/11, 5/17)       EEEV: 1 sentinels (2/2, 4/4, 4/11, 5/17)       EEEV: 1 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Seminole     WNV: 4 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       EEEV: 1 lorsen (6/7); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22)       Walton     WiX: 3 sentinels (1/4, 1/1, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6)       HJV: 2 senti	Nassau	EEEV: 5 sentinels (5/13, 5/20, 6/30, 7/21, 7/28)
WNV: 7 sentinels (1/11, 1/26, 2/1, 2/8, 5/17, 6/27) EEEV: 9 sentinels (1/7, 2/4, 4/4, 4/25, 5/2, 5/17, 6/27) HJV: 2 sentinels (1/14, 1/21)       Osceola     EEEV: 4 horses (5/6, 6/22, 7/10, 7/15) WNV: 1 horse (6/22)       Palm Beach     EEEV: 1 horse (5/31) ZIKV: 5 humans (July, August)       Pasco     WNV: 1 sentinel (8/10)       Pinellas     EEEV: 1 horse (5/3) ZIKV: 1 human (August)       Polk     EEEV: 1 sentinel (7/25) ZIKV: 1 human (August)       Polk     EEEV: 1 sentinel (7/19) Santa Rosa     Sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (7/19)       Sarasota     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 osentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 1 osentinels (1/1, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 3 sentinels (1/12, 4/25)	Nassau	WNV: 2 sentinels (5/26, 9/1)
Orange     EEEV: 9 sentinels (1/7, 2/4, 4/4, 4/25, 5/2, 5/17, 6/27) HJV: 2 sentinels (1/14, 1/21)       Osceola     EEEV: 4 horses (5/6, 6/22, 7/10, 7/15) WNV: 1 horse (6/22)       Palm Beach     EEEV: 1 horse (5/31) ZIKV: 5 humans (July, August)       Pasco     WNV: 1 sentinel (8/10)       Pinellas     EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25) ZIKV: 1 human (August)       Polk     EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25) WNV: 1 sentinel (7/18)       Putnam     EEEV: 1 sentinel (7/19)       Santa Rosa     WNV: 1 human (August)       Seminole     WNV: 7 sentinels (1/1, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (4/8)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 1 on sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22) WNV: 37 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)	Okaloosa	WNV: 1 human (July)
HJV: 2 sentinels (1/14, 1/21)       Osceola     EEEV: 4 horses (5/6, 6/22, 7/10, 7/15) WNV: 1 horse (6/22)       Palm Beach     EEEV: 1 horse (5/31) ZIKV: 5 humans (July, August)       Pasco     WNV: 1 sentinel (8/10)       Pinellas     EEEV: 1 sentinel (7/25) ZIKV: 1 human (August)       Polk     EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25) WNV: 1 sentinel (7/18)       Putnam     EEEV: 1 sentinel (7/19)       Santa Rosa     WNV: 1 human (August)       Sarasota     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (4/8)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 10 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)		WNV: 7 sentinels (1/11, 1/26, 2/1, 2/8, 5/17, 6/27)
Osceola     EEEV: 4 horses (5/6, 6/22, 7/10, 7/15) WNV: 1 horse (6/22)       Palm Beach     EEEV: 1 horse (5/31) ZIKV: 5 humans (July, August)       Pasco     WNV: 1 sentinel (8/10)       Pinellas     EEEV: 1 sentinel (7/25) ZIKV: 1 human (August)       Polk     EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25) WNV: 1 sentinel (7/18)       Putnam     EEEV: 1 sentinel (7/19)       Santa Rosa     WNV: 1 human (August)       Sarasota     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (4/8)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 1 lorse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22) WNV: 37 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)	Orange	EEEV: 9 sentinels (1/7, 2/4, 4/4, 4/25, 5/2, 5/17, 6/27)
Osceola     WNV: 1 horse (6/22)       Palm Beach     EEEV: 1 horse (5/31) ZIKV: 5 humans (July, August)       Pasco     WNV: 1 sentinel (8/10)       Pinellas     EEEV: 1 sentinel (7/25) ZIKV: 1 human (August)       Polk     EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25) WNV: 1 sentinel (7/18)       Putnam     EEEV: 1 sentinel (7/19)       Santa Rosa     WNV: 1 human (August)       Sarasota     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (4/8)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 1 osentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Watton     EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22)       Watton     Type (1/26, 4/25)		HJV: 2 sentinels (1/14, 1/21)
WNV: 1 horse (6/22)       Palm Beach     EEEV: 1 horse (5/31) ZIKV: 5 humans (July, August)       Pasco     WNV: 1 sentinel (8/10)       Pinellas     EEEV: 1 sentinel (7/25) ZIKV: 1 human (August)       Polk     EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25) WNV: 1 sentinel (7/18)       Putnam     EEEV: 1 sentinel (7/19)       Santa Rosa     WNV: 1 human (August)       Sarasota     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (4/8)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 1 osentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22)       Walton     T/25, 7/27, 8/1, 8/22) HJV: 2 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)	Osceola	
Paim Beach   ZIKV: 5 humans (Julý, August)     Pasco   WNV: 1 sentinel (8/10)     Pinellas   EEEV: 1 sentinel (7/25) ZIKV: 1 human (August)     Polk   EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25) WNV: 1 sentinel (7/18)     Putnam   EEEV: 1 sentinel (7/19)     Santa Rosa   WNV: 1 human (August)     Sarasota   WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (4/8)     Seminole   WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)     St. Johns   EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)     EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22)     Walton   FEEV: 1 horse (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)	USCEUIA	WNV: 1 horse (6/22)
ZIKV: 5 humans (July, August)     Pasco   WNV: 1 sentinel (8/10)     Pinellas   EEEV: 1 sentinel (7/25) ZIKV: 1 human (August)     Polk   EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25) WNV: 1 sentinel (7/18)     Putnam   EEEV: 1 sentinel (7/19)     Santa Rosa   WNV: 1 human (August)     Sarasota   WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (4/8)     Seminole   WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)     St. Johns   EEEV: 1 osentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)     EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22)     Walton   FEEV: 1 horse (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)	Palm Beach	
Pinellas     EEEV: 1 sentinel (7/25) ZIKV: 1 human (August)       Polk     EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25) WNV: 1 sentinel (7/18)       Putnam     EEEV: 1 sentinel (7/19)       Santa Rosa     WNV: 1 human (August)       Sarasota     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (4/8)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22)       Walton     EEEV: 1 norse (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)	T ann Deach	ZIKV: 5 humans (July, August)
Pinelias     ZIKV: 1 human (August)       Polk     EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25) WNV: 1 sentinel (7/18)       Putnam     EEEV: 1 sentinel (7/19)       Santa Rosa     WNV: 1 human (August)       Sarasota     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (4/8)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22) WNV: 37 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)	Pasco	WNV: 1 sentinel (8/10)
ZIKV: 1 human (August)       Polk     EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25)       WNV: 1 sentinel (7/18)       Putnam     EEEV: 1 sentinel (7/19)       Santa Rosa     WNV: 1 human (August)       Sarasota     EEEV: 1 sentinel (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29)       EEEV: 1 sentinel (4/8)     EEEV: 1 sentinel (4/8)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17)       EEEV: 1 sentinel (5/9)     EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22)       Walton     HJV: 2 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6)	Dinollas	EEEV: 1 sentinel (7/25)
Poix     WNV: 1 sentinel (7/18)       Putnam     EEEV: 1 sentinel (7/19)       Santa Rosa     WNV: 1 human (August)       Sarasota     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (4/8)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22) WNV: 37 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)	T IIIellas	ZIKV: 1 human (August)
WNV: 1 sentinel (7/18)       Putnam     EEEV: 1 sentinel (7/19)       Santa Rosa     WNV: 1 human (August)       Sarasota     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (4/8)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22) WNV: 37 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)	Polk	EEEV: 4 horses (4/4, 5/10, 6/19, 6/25); 3 sentinels (6/21, 7/25)
Santa Rosa     WNV: 1 human (August)       Sarasota     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (4/8)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       EEEV: 1 norse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22)       Walton     FEEV: 1 norse (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)	FOIK	WNV: 1 sentinel (7/18)
Sarasota     WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29) EEEV: 1 sentinel (4/8)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22) WNV: 37 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)	Putnam	EEEV: 1 sentinel (7/19)
Sarasota     EEEV: 1 sentinel (4/8)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22)       Walton     HJV: 37 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6)	Santa Rosa	WNV: 1 human (August)
EEEV: 1 sentinel (4/8)       Seminole     WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17) EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22)       Walton     WNV: 37 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)	Saracota	WNV: 7 sentinels (1/11, 1/15, 1/19, 2/1, 3/7, 4/8, 8/29)
Seminole     EEEV: 1 sentinel (5/9)       St. Johns     EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22)       Walton     WNV: 37 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6)       HJV: 2 sentinels (1/26, 4/25)	Sarasota	EEEV: 1 sentinel (4/8)
Walton     EEEV: 1 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)       Walton     EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22)       Walton     HJV: 37 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6)	Sominolo	WNV: 4 sentinels (2/2, 4/4, 4/11, 5/17)
Walton     EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13, 7/25, 7/27, 8/1, 8/22)       WNV: 37 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6)       HJV: 2 sentinels (1/26, 4/25)	Seminole	EEEV: 1 sentinel (5/9)
Walton     7/25, 7/27, 8/1, 8/22)       WNV: 37 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6)       HJV: 2 sentinels (1/26, 4/25)	St. Johns	EEEV: 10 sentinels (6/6, 6/13, 6/20, 6/27, 8/15, 8/22)
WNV: 37 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)		EEEV: 1 horse (6/17); 25 sentinels (1/4, 2/2, 2/29, 3/21, 4/4, 4/19, 5/2, 6/7, 6/20, 6/22, 6/27, 7/5, 7/13,
WNV: 37 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6) HJV: 2 sentinels (1/26, 4/25)	Walton	7/25, 7/27, 8/1, 8/22)
		WNV: 37 sentinels (1/11, 1/19, 2/2, 3/7, 3/29, 5/25, 8/1, 8/3, 8/8, 8/15, 8/22, 8/24, 8/29, 9/6)
Washington EEEV: 2 horses (6/23, 7/9)		HJV: 2 sentinels (1/26, 4/25)
	Washington	EEEV: 2 horses (6/23, 7/9)

#### Acknowledgements and Data Sources

Contributors: Andrea Bingham, PhD, MSPH, Shaiasia Itwaru-Womack, MPH, and Danielle Stanek, DVM, DOH Bureau of Epidemiology; Lea Heberlein-Larson, Lylah Seaton, and Valerie Mock, DOH Bureau of Public Health Laboratories; Carina Blackmore, DVM, PhD, DOH Division of Disease Control and Health Protection.

For more surveillance information, please see the DOH website at: <u>http://www.floridahealth.gov/diseases-and-conditions/mosquito-borne-diseases/surveillance.html</u>

For arbovirus surveillance information for the United States, please see the Centers for Disease Control and Prevention website at: <u>http://www.cdc.gov/ncidod/dvbid/westnile/surv&control.htm</u>

\*\*Case tallies included in the weekly Florida arbovirus surveillance report include confirmed and probable cases for EEE, WNV infection, SLE, dengue, chikungunya, and malaria by date of onset. Suspect cases are not included. Activity is mapped by county of exposure rather than county of residence. Case definitions being used in Florida are consistent with national criteria provided by the Council of State and Territorial Epidemiologists (CSTE) and may be viewed at: http://www.floridahealth.gov/diseases-and-conditions/disease-reporting-and-management/disease-reporting-andsurveillance/index.html. Case tallies reported by CDC do not include suspect cases and cases are reported by patient state of residence rather than where the exposure occurred. Data is provided by county health departments, Department of Health Bureau of Public Health Laboratories, Department of Agriculture and Consumer Services, mosquito control agencies, Florida Fish and Wildlife Conservation Commission, medical providers and veterinarians. Equine cases are provided by the Department of Agriculture and Consumer Services.