

# Florida Arbovirus Surveillance Week 40: September 28 – October 4, 2014

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 non-viral mosquito-borne disease is also included. During the period of September 28- October 4, 2014 the following arboviral activity was recorded in Florida.

**WNV activity:** Three human cases of WNV illness were reported this week. No horses with WNV infection were reported this week. Thirty-one sentinel chickens tested positive for antibodies to WNV this week in Alachua, Bay, Brevard, Citrus, Duval, Flagler, Nassua, Orange, Putnam, Seminole, St. Johns, Sumter and Volusia Counties. In 2014, positive samples from 145 sentinel chickens, 5 horses, 10 human cases, and 2 asymptomatic blood donors have been received from 26 counties.

**EEEV activity:** No human cases of EEE were reported this week. Two horses with EEEV infection were reported this week in Bay and Lafayette Counties. No sentinel chickens tested positive for antibodies to EEEV this week. In 2014, positive samples from 154 sentinel chickens, 2 deer, and 55 horses have been received from 32 counties.

**International Travel-Associated Dengue Fever Cases:** Two cases of dengue fever were reported this week in persons that had international travel. In 2014, 62 travel-associated cases have been reported.

**Dengue Fever Cases Acquired in Florida:** No new cases of locally acquired dengue fever were reported this week. In 2014, a total of five cases of locally acquired dengue fever have been reported.

**International Travel-Associated Chikungunya Fever Cases:** Eight cases of chikungunya fever were reported this week in persons that had international travel. In 2014, 260 travel-associated cases have been reported.

**Chikungunya Fever Cases Acquired in Florida:** No new cases of locally acquired chikungunya fever were reported this week. In 2014, a total of 11 cases of locally acquired chikungunya fever have been reported.

Advisories/Alerts: Alachua, Broward, Clay, Columbia, Duval, Jefferson, Leon, Levy, Lafayette, Marion, Pasco, Polk, Putnam, Santa Rosa, St. Johns, Suwannee and Washington Counties are currently under a mosquito-borne illness advisory. Escambia, Miami-Dade, Palm Beach, St. Lucie and Volusia Counties are currently under a mosquito-borne illness alert. No other counties are currently under mosquito-borne illness advisory or alert. A CDC Health Alert Network (HAN) health advisory was issued in December for the Caribbean region announcing the first locally acquired cases of chikungunya fever in the Americas. There is a Level 1 (Watch) Travel Health Notice from the CDC for multiple countries in the Caribbean related to the continued transmission of chikungunya which was updated August 11, 2014. <a href="http://wwwnc.cdc.gov/travel/notices/watch/chikungunya-caribbean">http://wwwnc.cdc.gov/travel/notices/watch/chikungunya-caribbean</a>

## 2014 Human Case Summary\*

West Nile Virus Illnesses Acquired in Florida: A total of ten human cases of WNV illness acquired in Florida have been reported in 2014; one in Alachua (August), two in Escambia (July, August), one in Duval (August), one in Leon (August), one in Pasco (August), one in Polk (September) and three in

Volusia (August, September) Counties. Two asymptomatic positive blood donors were reported from Santa Rosa (July) and St. Johns (September) Counties.

**International Travel-Associated Dengue Fever Cases:** Sixty-two cases of dengue with onset in 2014 have been reported in individuals with travel history to a dengue endemic country in the two weeks prior to onset. Countries of origin were: Bangladesh, Bolivia, Brazil (2), Caribbean, Columbia, Costa Rica (3), Cuba (24), Cuba/Bahamas, Dominican Republic (8), El Salvador (2), Guadeloupe, Haiti, Honduras (4), Mexico (2), Puerto Rico (5), Sri Lanka, Trinidad (2), and Venezuela (2). Counties reporting cases were: Alachua, Brevard (2), Broward (6), Clay, Collier, Highlands, Hillsborough (4), Lee, Manatee (2), Marion, Miami-Dade (28), Orange (3), Osceola (4), Palm Beach (2), Pinellas, Seminole, St. Lucie (2), and Volusia. Six of the cases were reported in non-Florida residents. In 2014, 30 of the 62 cases of dengue reported in Florida have been serotyped by PCR. Additional serotyping and strain typing are being conducted.

	# of cases per serotype – 2014
DENV-1	11
DENV-2	11
DENV-3	1
DENV-4	6
DEN-1&2	1
	30

**Dengue Fever Cases Acquired in Florida:** In 2014, a total of five cases of locally acquired dengue fever have been reported. Five cases of dengue in Miami-Dade residents with onset in June and August have been reported as acquired in Miami-Dade County.

**International Travel-Associated Chikungunya Fever Cases:** Two hundred and sixty cases of chikungunya with onset in 2014 have been reported in individuals with travel history to a chikungunya endemic country or area experiencing an outbreak in the two weeks prior to onset. Countries of origin were: Antigua (2), Antigua/Barbuda, Bequia, Cuba (3), Dominica/Gaudalupe, Dominican Republic (80), El Salavador, Guyana (7), Haiti (103), Haiti/Dominican Republic, Honduras, Jamaica (8), Martinique (2), Philippines, Puerto Rico (42), Puerto Rico/Dominican Republic (2), South America, St. Lucia, St. Thomas/St. Martin/Bahamas, and Trinidad/Tobago. Counties reporting cases were: Alachua (2), Brevard (3), Broward (44), Charlotte (2), Clay (2), Duval (7), Escambia, Flagler, Hernando (2), Highlands, Hillsborough (19), Indian River, Lake (2), Lee (7), Leon (2), Manatee (2), Marion, Miami-Dade (48), Monroe, Nassau, Okaloosa (2), Orange (30), Osceola (8), Palm Beach (33), Pasco (3), Pinellas (8), Polk (13), Santa Rosa, Sarasota (2), Seminole (6), St. Johns, St. Lucie (2), and Volusia (2). Twenty of the cases were reported in non-Florida residents.

**Chikungunya Fever Cases Acquired in Florida:** In 2014, a total of eleven cases of locally acquired chikungunya fever have been reported. One case of chikungunya fever with onset in July was acquired in Broward County. Two cases of chikungunya fever with onset in June were acquired in Miami-Dade County. Four cases of chikungunya fever with onset in July were acquired in Palm Beach County. Four cases of chikungunya fever with onset in July and August were acquired in St. Lucie County.

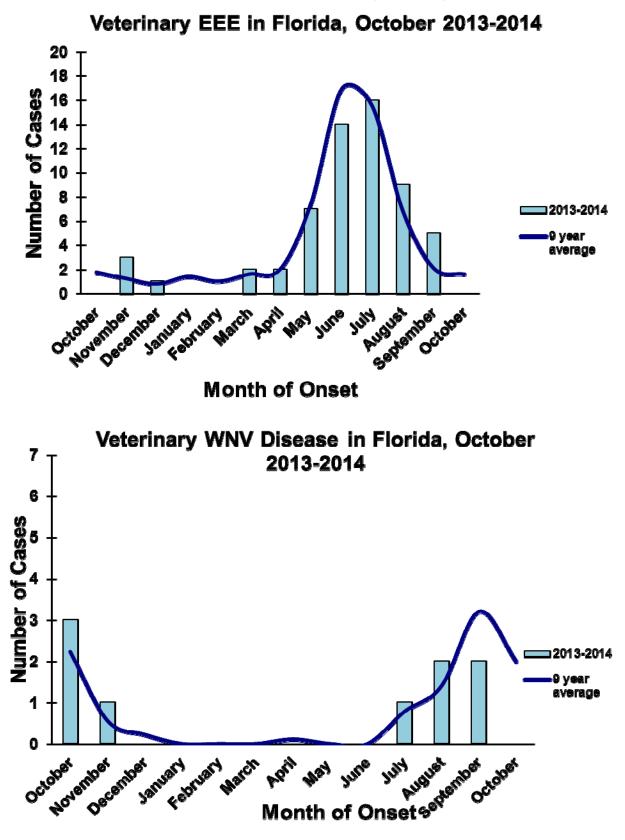
**International Travel-Associated Malaria Cases:** Forty-six cases of malaria with onset in 2014 have been reported. Countries of origin were: Angola (3), Cameroon, Dominican Republic, East Africa, Equatorial Guinea (2), Ghana, Ghana/Rwanda, Ghana/Senegal, Ghana/Togo, Guatemala, Guyana, Haiti, Honduras, India (5), Ivory Coast (3), Kenya (2), Nigeria (6), Nigeria/Ethiopia, Papua New Guinea, Peru, Sierra Leone (5), Sudan, Uganda (2), and multiple sub-Saharan African countries (3). Counties reporting cases were: Broward (6), Clay, Duval, Escambia, Hernando, Hillsborough (8), Leon, Miami-Dade (8), Okaloosa (2), Orange (6), Osceola (2), Palm Beach (4), Pasco, Pinellas (2), Santa Rosa, and Seminole. Nine of the cases were reported in non-Florida residents.

Thirty-three cases (72%) were diagnosed with *Plasmodium falciparum*. Nine cases (20%) were diagnosed with *Plasmodium vivax*. Two cases (4%) were diagnosed with *Plasmodium malariae*. Two cases (4%) were diagnosed with *Plasmodium ovale*.

### **Veterinary Cases\***

\*Veterinary cases are reported by date of onset

Two horses with EEEV infection was reported this week in Bay and Lafayette Counties.



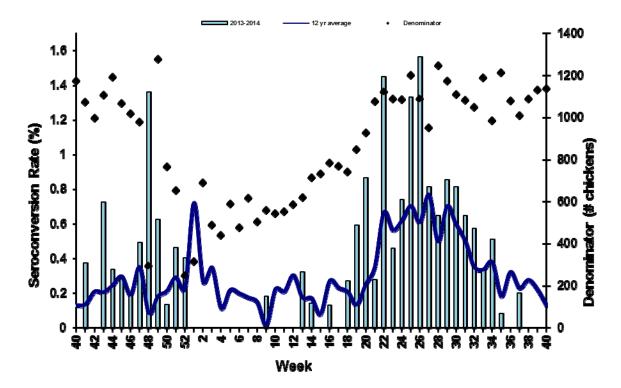
### **Sentinel Chickens**

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.

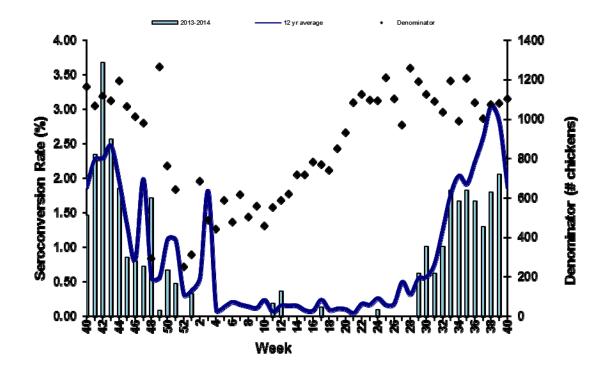
Thirty-one sentinel chickens tested positive for antibodies to WNV this week in Alachua, Bay, Brevard, Citrus, Duval, Flagler, Nassua, Orange, Putnam, Seminole, St. Johns, Sumter and Volusia Counties. Seven sentinel chickens tested positive for antibodies to SLEV this week in Manatee, Sarasota and Volusia Counties (state total of 65 positives for 2014).

				Seroconversion Rates (%)				County Totals		
County	Collection Date	Flavi	SLEV	WNV	Alpha	EEEV	HJV	Collection Week	YTD	
Alachua	9/22/2014	6.67		6.67				1 WNV	10 EEEV, HJV, 6 WNV	
Вау	9/23/2014	7.14		7.14				1 WNV	6 EEEV, 1 HJV, 13 WNV	
Brevard	9/5/2014	1.75		1.75				1 WNV		
	9/19/2014	5.77		5.77				3 WNV	13 WNV	
Citrus	9/22/2014	3.08		3.08				2 WNV	16 EEEV, 6 HJV, 8 WNV	
Duval	9/15/2014	7.14		7.14				1 WNV	3 EEEV, 6 HJV, 1 WNV, 1 SLEV	
Flagler	9/22/2014	11.11		11.11				1 WNV	11 EEEV, 5 HJV, 6 WNV	
Manatee	9/23/2014	5.80	5.80					4 SLEV	10 SLEV	
Nassau	9/19/2014	3.03		3.03				1 WNV	13 EEEV, 4 HJV, 8 WNV, 2 SLEV	
Orange	9/8/2014	0.89		0.89				1 WNV		
Orange	9/22/2014	3.39		3.39				4 WNV	18 EEEV, 4 HJV, 10 WNV, 1 SLEV	
Putnam	9/23/2014	60.00		60.00				6 WNV	7 EEEV, 14 WNV, 6 HJV	
Sarasota	9/22/2014	1.32	1.32					1 SLEV	7 SLEV, 1 WNV	
Seminole	9/22/2014	5.56		5.56				1 WNV	7 WNV	
St. Johns	9/22/2014	6.52		6.52				3 WNV	20 EEEV, 7 HJV, 25 WNV	
Sumter	9/8/2014	2.86		2.86				1 WNV	1 WNV	
Volusia	9/8/2014	3.13		3.13				1 WNV		
	9/15/2014	5.26	5.26					2 SLEV		
	9/22/2014	7.89		7.89				3 WNV	3 EEEV, 1 HJV, 19 WNV, 2 SLEV	





Sentinel Seroconversions to WNV in Florida, 2013-2014



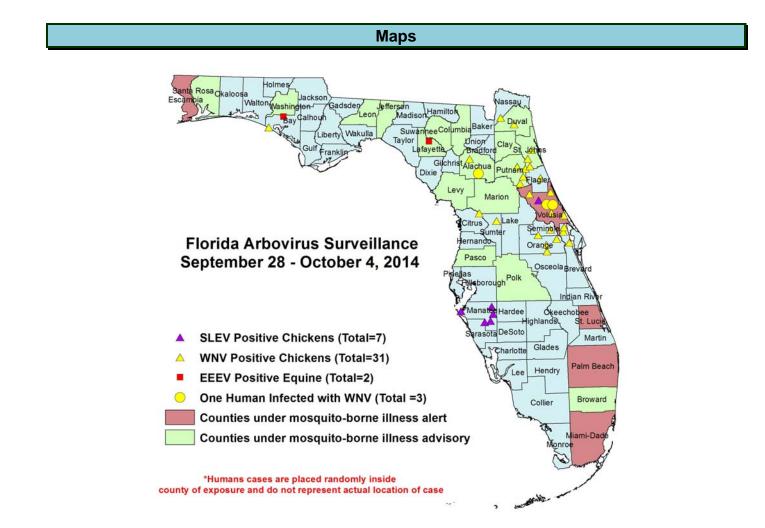
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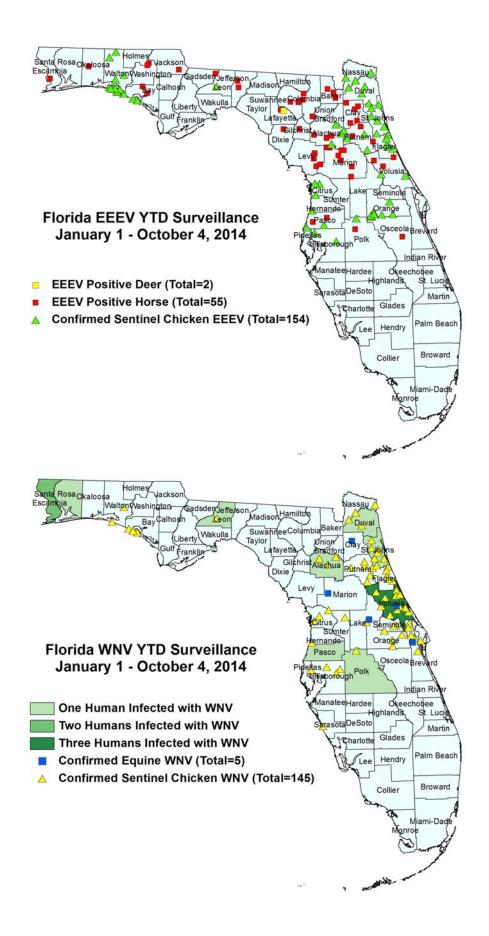
#### **Dead Birds**

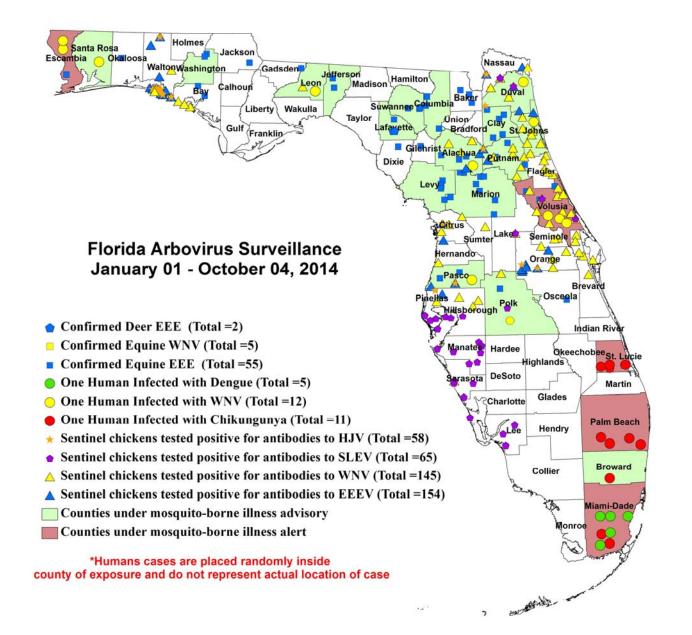
The Fish and Wildlife Conservation Commission (FWC) collects reports of dead birds, which can be an indication of arbovirus circulation in an area. This week, 7 reports representing 15 dead birds including 2 raptors and 1 dove were received from 4 counties.

In 2014, 311 reports representing a total of 895 dead birds (27 crows, 6 jay, 67 raptors, and 32 doves) were received from 44 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 <a href="https://www.myfwc.com/bird/">www.myfwc.com/bird/</a>

County	Total Dead Birds	Crows	Jays	Raptors	Dove
Alachua	1	0	0	0	0
Flagler	2	0	0	0	1
Leon	1	0	0	0	0
Pinellas	11	0	0	2	0







	2014 Arbovirus Activity by County
County	Arbovirus Activity
	EEEV: 3 horses (6/17, 6/20, 7/4); 10 sentinels (6/9, 6/30, 7/7, 7/14, 7/21, 7/28)
Alachua	HJV: 1 sentinel (8/4)
	WNV: 1 human (August); 6 sentinels (8/12, 8/18, 8/25, 9/22)
Baker	EEEV: 3 horses (3/13, 7/10, 7/16)
	EEEV: 2 horses (6/15, 9/22); 6 sentinels (4/28, 5/6, 5/13, 5/22, 5/30)
Bay	HJV: 1 sentinel (2/18)
	WNV: 13 sentinels (8/19, 8/26, 9/2, 9/9, 9/16, 9/23)
Brevard	WNV: 1 horse (8/1); 13 sentinels (7/17, 8/8, 8/15, 8/20, 8/29, 9/5, 9/12, 9/19)
Broward	Chikungunya: 1 human (July)
	EEEV: 16 sentinels (3/24, 3/31, 5/12, 5/26, 6/2, 6/30, 7/7, 7/14, 7/21, 8/4, 8/11, 9/8)
Citrus	HJV: 6 sentinels (2/17, 2/24, 8/11, 8/18)
	WNV: 8 sentinels (1/2, 9/2, 9/15, 9/22)
Clay	EEEV: 5 horses (5/2, 7/16, 7/19, 7/20, 8/2)
Clay	WNV: 1 horse (9/3)
Columbia	EEEV: 3 horses (6/25, 7/18, 8/1)
Dixie	EEEV: 1 horse (5/22)

Duval     EEEV: 3 sentinels (6/16, 6/19, 6/30) HJV: 6 sentinels (8/18, 8/21, 8/25) WNV: 1 human (August); 1 sentinel (9/15) SLEV: 1 sentinel (9/2)       Escambia     EEEV: 1 horse (7/16) WNV: 2 humans (July, August) EEEV: 1 horse (4/21); 11 sentinels (4/14, 4/28, 5/5, 5/27, 6/2, 6/16, 6/23, 6/30, 7/7) HJV: 5 sentinels (7/21, 8/18, 8/25) WNV: 6 sentinels (7/14, 8/18, 9/2, 9/8, 9/15, 9/22)       Gadsden     EEEV: 1 horse (9/16)       Gilchrist     EEEV: 2 horses (5/18, 6/23)       Hernando     EEEV: 2 sentinels (8/25)       Kernels     (5/13, 7/1)       Hillsborough     SLEV: 6 sentinels (1/7, 2/18, 9/2, 9/9, 9/16)	
Duval     WNV: 1 human (August); 1 sentinel (9/15) SLEV: 1 sentinel (9/2)       Escambia     EEEV: 1 horse (7/16) WNV: 2 humans (July, August)       Flagler     EEEV: 1 horse (4/21); 11 sentinels (4/14, 4/28, 5/5, 5/27, 6/2, 6/16, 6/23, 6/30, 7/7) HJV: 5 sentinels (7/21, 8/18, 8/25) WNV: 6 sentinels (7/14, 8/18, 9/2, 9/8, 9/15, 9/22)       Gadsden     EEEV: 1 horse (9/16)       Gilchrist     EEEV: 2 horses (5/18, 6/23)       Hernando     EEEV: 2 sentinels (8/25) EEEV: 2 sentinels (7/13, 7/1)	
SLEV: 1 sentinel (9/2)       Escambia     EEEV: 1 horse (7/16) WNV: 2 humans (July, August)       Flagler     EEEV: 1 horse (4/21); 11 sentinels (4/14, 4/28, 5/5, 5/27, 6/2, 6/16, 6/23, 6/30, 7/7)       HJV: 5 sentinels (7/21, 8/18, 8/25) WNV: 6 sentinels (7/14, 8/18, 9/2, 9/8, 9/15, 9/22)       Gadsden     EEEV: 1 horse (9/16)       Gilchrist     EEEV: 2 horses (5/18, 6/23)       Hernando     EEEV: 2 sentinels (8/25)       EEEV: 2 sentinels (5/13, 7/1)	
Escambia     EEEV: 1 horse (7/16) WNV: 2 humans (July, August)       Flagler     EEEV: 1 horse (4/21); 11 sentinels (4/14, 4/28, 5/5, 5/27, 6/2, 6/16, 6/23, 6/30, 7/7) HJV: 5 sentinels (7/21, 8/18, 8/25) WNV: 6 sentinels (7/14, 8/18, 9/2, 9/8, 9/15, 9/22)       Gadsden     EEEV: 1 horse (9/16)       Gilchrist     EEEV: 2 horses (5/18, 6/23)       Hernando     EEEV: 2 sentinels (8/25)       EEEV: 2 sentinels (5/13, 7/1)	
Escambla     WNV: 2 humans (July, August)       Flagler     EEEV: 1 horse (4/21); 11 sentinels (4/14, 4/28, 5/5, 5/27, 6/2, 6/16, 6/23, 6/30, 7/7)       HJV: 5 sentinels (7/21, 8/18, 8/25)     WNV: 6 sentinels (7/21, 8/18, 8/25)       WNV: 6 sentinels (7/14, 8/18, 9/2, 9/8, 9/15, 9/22)     Gadsden       EEEV: 1 horse (9/16)     EEEV: 2 horses (5/18, 6/23)       Hernando     EEEV: 2 sentinels (6/9, 7/9)       WNV: 2 sentinels (8/25)     EEEV: 2 sentinels (8/25)       EEEV: 2 sentinels (5/13, 7/1)	
Flagler     EEEV: 1 horse (4/21); 11 sentinels (4/14, 4/28, 5/5, 5/27, 6/2, 6/16, 6/23, 6/30, 7/7)       HJV: 5 sentinels (7/21, 8/18, 8/25)     WNV: 6 sentinels (7/21, 8/18, 9/2, 9/8, 9/15, 9/22)       Gadsden     EEEV: 1 horse (9/16)       Gilchrist     EEEV: 2 horses (5/18, 6/23)       Hernando     EEEV: 2 sentinels (8/25)       EEEV: 2 sentinels (8/25)     EEEV: 2 sentinels (5/13, 7/1)	
Flagler     HJV: 5 sentinels (7/21, 8/18, 8/25) WNV: 6 sentinels (7/14, 8/18, 9/2, 9/8, 9/15, 9/22)       Gadsden     EEEV: 1 horse (9/16)       Gilchrist     EEEV: 2 horses (5/18, 6/23)       Hernando     EEEV: 2 sentinels (6/9, 7/9) WNV: 2 sentinels (8/25)       EEEV: 2 sentinels (5/13, 7/1)	
WNV: 6 sentinels (7/14, 8/18, 9/2, 9/8, 9/15, 9/22)       Gadsden     EEEV: 1 horse (9/16)       Gilchrist     EEEV: 2 horses (5/18, 6/23)       Hernando     EEEV: 2 sentinels (6/9, 7/9)       WNV: 2 sentinels (8/25)     EEEV: 2 sentinels (5/13, 7/1)	
Gadsden     EEEV: 1 horse (9/16)       Gilchrist     EEEV: 2 horses (5/18, 6/23)       Hernando     EEEV: 2 sentinels (6/9, 7/9) WNV: 2 sentinels (8/25)       EEEV: 2 sentinels (5/13, 7/1)	
Gilchrist     EEEV: 2 horses (5/18, 6/23)       Hernando     EEEV: 2 sentinels (6/9, 7/9)       WNV: 2 sentinels (8/25)     EEEV: 2 sentinels (5/13, 7/1)	
HernandoEEEV: 2 sentinels (6/9, 7/9) WNV: 2 sentinels (8/25) EEEV: 2 sentinels (5/13, 7/1)	
WNV: 2 sentinels (8/25) EEEV: 2 sentinels (5/13, 7/1)	
Hillsborough SLEV: 6 sentinels (1/7, 2/18, 9/2, 9/9, 9/16)	
WNV: 4 sentinels (3/18, 9/2)	
Jackson EEEV: 1 horse (9/3)	
Jefferson EEEV: 2 horses (7/7, 8/25)	
Lafayette EEEV: 2 deer (6/24); 1 horse (9/18)	
Lake WNV: 1 horse (8/19)	
Lee SLEV: 7 sentinels (1/13, 1/14, 2/11, 3/25, 9/16)	
Leon EEEV: 1 sentinel (7/14)	
WNV: 1 human (August), 1 sentinel (8/19)	
Levy EEEV: 4 horses (6/7, 6/21, 6/27, 6/28, 8/17)	
Manatee SLEV: 10 sentinels (7/29, 9/2, 9/16, 9/23)	
Marion EEEV: 9 horses (4/12, 5/31, 6/19, 6/26, 6/29, 7/4, 7/14, 7/30, 9/10)	
WINV: 1 NOISE (9/5)	
Miami-Dade Chikungunya: 2 humans (June)	
Dengue: 5 humans (June, August)	
EEEV: 13 sentinels (5/27, 5/31, 6/13, 6/20, 6/23, 6/27, 7/11, 7/19, 8/22)	
Nassau HJV: 4 sentinels (7/25, 8/18, 8/22)	
VVINV: 8 Sentineis (8/8, 8/18, 8/22, 8/25, 9/2, 9/12, 9/19)	
SLEV: 2 sentinels (8/29, 9/12)       Okaloosa     EEEV: 1 horse (8/15)	
EEEV: 18 sentinels (5/29, 6/5, 6/16, 6/19, 6/23, 6/25, 6/26, 7/7, 7/10, 7/21, 7/31, 8/7, 8/18)	
Orange HJV: 4 sentinels (1/2, 2/17, 8/25)	
WNV: 10 sentinels (8/4, 8/25, 9/2, 9/8, 9/22)	
SLEV: 1 sentinel (9/15)	
Osceola EEEV: 1 bornandr (0/10)	
Palm Beach Chikungunya: 4 humans (July)	
EEEV: 2 horses (5/31, 6/25); 4 sentinels (5/27, 6/10, 7/15)	
Pasco HJV: 1 sentinel (7/22)	
WNV: 1 human (August)	
SLEV: 28 sentinels (7/21, 7/25, 7/28, 8/4, 8/11, 8/18, 8/25, 9/2, 9/8, 9/15)	
Pinellas HJV: 1 sentinel (8/25)	
WNV: 2 sentinels (9/15)	
EEEV: 5 sentinels (6/23, 6/30, 7/7); 1 horse (8/3)	
Polk SLEV: 1 sentinel (8/25)	
WNV: 1 human (September); 1 sentinel (9/2)	
EEEV: 2 horses (6/17, 7/28); 7 sentinels (5/27, 6/17, 6/24, 7/8, 7/15, 7/22, 8/5)	
Putnam WNV: 14 sentinels (8/5, 8/12, 8/26, 9/9, 9/16, 9/23)	
HJV: 6 sentinels (8/26)	
Sarasota SLEV: 7 sentinels (2/6, 2/14, 2/28, 7/28, 9/2, 9/22)	
WINV: 1 Sentinei (4/25)	
Santa Rosa WNV: 1 asymptomatic blood donor (July)	
Seminole WNV: 7 sentinels (7/30, 8/5, 9/15, 9/22)	
EEEV: 20 sentinels (5/5, 5/12, 5/27, 6/16, 6/23, 6/30, 7/21, 7/28, 9/9)	
<b>St. Johns</b> HJV: 7 sentinels (7/28, 8/18, 8/25)	_
V VIV 21 asymptomatic blood donor (September); 25 sentinels (7/21, 7/28, 8/4, 8/11, 8/18, 8/23)	),
9/2, 9/8, 9/15, 9/22)	

St. Lucie	Chikungunya: 4 humans (July, August)			
Sumter	WNV: 1 sentinel (9/8)			
Suwannee	EEEV: 3 horses (8/5, 8/13, 8/15)			
	EEEV: 3 horses (3/19, 5/19, 5/24); 3 sentinels (5/27, 6/9) HJV: 1 sentinel (8/18)			
Volusia	WNV: 3 humans (August, September); 1 horse (7/15); 19 sentinels (7/14, 7/21, 7/28, 8/4, 8/5, 8/12, 8/18, 8/25, 9/1, 9/8, 9/22) SLEV: 2 sentinels (9/15)			
Walton	EEEV: 34 sentinels (2/24, 5/12, 5/19, 5/27, 6/3, 6/9, 6/16, 6/23, 6/30, 7/7, 7/14, 7/15, 7/21, 7/28, 8/4, 8/11, 8/12, 8/18, 8/26) HJV: 15 sentinels (3/10, 3/24, 5/12, 5/19, 6/16, 6/30, 7/15, 8/4, 8/11, 8/18, 8/25, 9/2) WNV: 3 sentinels (3/10, 3/17, 6/9)			
Washington	EEEV: 2 horses (7/15, 7/22)			

#### Acknowledgements and Data Sources

Contributors: Shaiasia Itwaru-Womack, Katherine Kendrick, MPH, Danielle Stanek, DVM, and Carina Blackmore, DVM, Ph.D., DOH Bureau of Epidemiology; Lea Heberlein-Larson and Valerie Mock, DOH Bureau of Public Health Laboratories.

#### For more surveillance information, please see the DOH website at:

http://www.floridahealth.gov/diseases-and-conditions/mosquito-borne-diseases/surveillance.html

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, 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-and-surveillance/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.