

Florida Arbovirus Surveillance

Week 41: October 11-17, 2026

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), Zika virus (ZIKV), and California encephalitis group viruses (CEV). Malaria, a parasitic mosquito-borne disease, is also included. During the period of October 11-17, 2026, the following arboviral activity was recorded in Florida.

WNV activity: No human cases of WNV infection were reported this week. One horse with WNV infection was reported in Glades County. Forty-three sentinel chickens tested positive for antibodies to WNV in Alachua, Bay, Brevard, Citrus, Duval, Hillsborough, Indian River, Manatee, Pasco, Pinellas, Polk, Sumter, and Walton counties. In 2026, positive samples from five symptomatic humans, two asymptomatic blood donors, 359 sentinel chickens, three horses, and eight mosquito pools have been reported from 28 counties.

SLEV activity: No human cases of SLEV infection were reported this week. No sentinel chickens tested positive for antibodies to SLEV this week. In 2026, two sentinel chickens have been reported from two counties.

EEEV activity: No human cases of EEEV infection were reported this week. No horses with EEEV infection were reported this week. Three sentinel chickens tested positive for antibodies to EEEV in Citrus, Hillsborough, and Volusia counties. In 2026, positive samples from one human, 48 sentinel chickens, and seven horses have been reported from 17 counties.

International Travel-Associated Dengue: Thirty-two cases of dengue were reported this week. In 2026, 320 travel-associated dengue cases have been reported.

Dengue Cases Acquired in Florida: Fifty-seven cases of locally acquired dengue were reported this week. In 2026, 425 cases of locally acquired dengue and 20 mosquito pools have been reported from eleven counties.

International Travel-Associated Chikungunya Fever Cases: Four cases of chikungunya fever were reported this week. In 2026, 88 cases of travel-associated chikungunya fever have been reported.

Chikungunya Fever Cases Acquired in Florida: No cases of locally acquired chikungunya fever were reported this week. In 2026, one case of locally acquired chikungunya fever has been reported from one county.

International Travel-Associated Oropouche Fever cases: No cases of Oropouche fever were reported this week. In 2026, no cases of travel-associated Oropouche fever have been reported.

International Travel-Associated Zika Fever Cases: No cases of Zika fever were reported this week. In 2026, no travel-associated Zika fever cases have been reported.

Zika Fever Cases Acquired in Florida: No cases of locally acquired Zika fever were reported this week. In 2026, no cases of locally acquired Zika fever have been reported.

Advisories/Alerts as of October 17, 2026: Bay, Brevard, Broward, Holmes, Leon, Manatee, Martin, Palm Beach, Polk, and Walton counties are currently under a mosquito-borne illness advisory. Alachua, Citrus, Duval, Hillsborough, Miami-Dade, Orange, Pasco, and Pinellas counties are currently under a mosquito-borne illness alert.

There are currently multiple travel health notices from the Centers for Disease Control and Prevention related to mosquito-borne diseases.

Dengue			Yellow Fever	Chikungunya	Zika	Malaria
Africa and Middle East	Americas	Asia and the Pacific Islands	Americas	Americas	Asia	Africa and Middle East
Kenya	Bolivia	Bangladesh	Colombia	Costa Rica	Indonesia	Mayotte
	Colombia	Cambodia	Ghana	French Guiana		Yemen
	Costa Rica	Malaysia		Nicaragua		
	Cuba	Maldives				
	Ecuador	Marshall Islands				
	Panama	Sri Lanka				
		Vanuatu				
		Vietnam				

Level 1 Travel Health Notice, Level 2 Travel Health Alert: wwwnc.cdc.gov/travel/notices.

For a map of arboviral disease activity in the United States visit: <https://www.cdc.gov/fight-the-bite/at-risk/index.html>.

2026 Human Case Summary

2026 West Nile Virus Illness Acquired in Florida: In 2026, five human cases of WNV illness acquired in Florida have been reported in Alachua (May, August), Duval (August), Holmes (August), and Walton (July) counties. Two asymptomatic blood donors have been reported in Duval (August) and Leon (July) counties.

2026 Eastern Equine Encephalitis Acquired in Florida: In 2026, one human case of EEEV illness acquired in Florida has been reported in Leon County (September).

2026 International Travel-Associated Chikungunya Cases: Eighty-eight cases with onset in 2026 have been reported in individuals with travel history to a chikungunya-endemic area in the two weeks prior to onset. Counties reporting cases were: Alachua, Broward (4), Collier (3), Hernando, Hillsborough (8), Lee, Miami-Dade (54), Monroe (2), Okaloosa, Orange (3), Osceola, Palm Beach (5), Pinellas, Seminole, St. Lucie, and St. Johns. Countries of origin were Bolivia (2), Brazil (2), Cameroon, Cuba (56), Guyana, Nicaragua (24), Sri Lanka, and Surinam. One case was reported in a non-Florida resident.

2026 Chikungunya Cases Acquired in Florida: One case of locally acquired chikungunya fever has been reported in Miami-Dade County with onset in August.

2026 International Travel-Associated Dengue Cases: Three hundred twenty cases with onset in 2026 have been reported in individuals with travel to a dengue-endemic area in the two weeks prior to onset. Counties reporting cases were: Alachua, Bay, Brevard (2), Broward (20), Collier (5), Duval (2), Hendry, Hernando, Hillsborough (18), Lake, Lee (14), Manatee (2), Marion, Miami-Dade (200), Monroe (2), Orange (7), Osceola (3), Palm Beach (13), Pasco, Pinellas (4), Polk (4), Sarasota (2), Seminole (4), St. Johns (3), St. Lucie (7), and Walton. Six cases were reported in non-Florida residents. In 2026, 284 cases of dengue reported in Florida have been serotyped by PCR. Please see the table below for a breakdown of cases by country of origin and serotype.

Country of Exposure	DENV-1	DENV-2	DENV-3	DENV-4	DENV-2/ DENV 3	Unknown	Total
Bahamas		1					1
Bangladesh			1				1
Brazil		1					1
Colombia	1	1	2	1		3	8
Cuba		231	4	2	1	28	266
Dominican Republic		2				2	4
Ecuador			2				2
El Salvador			3				3
Guatemala			1				1

Country of Exposure	DENV-1	DENV-2	DENV-3	DENV-4	DENV-2/ DENV 3	Unknown	Total
Guyana		2				1	3
India	2	4	2				8
Indonesia		1					1
Laos		1					1
Mexico			1			1	2
Nicaragua	1		6			1	8
Peru			3				3
Philippines		1					1
Puerto Rico	1		4				5
Vietnam		1					1
Total	5	246	29	3	1	36	320

2026 Dengue Cases Acquired in Florida: In 2026, 425 cases of locally acquired dengue have been reported in Brevard, Broward, Citrus (2), Hillsborough (346), Manatee, Miami-Dade (9), Orange (8), Palm Beach, Pasco (4), Pinellas (51), and Polk with onset in July (21), August (160), September (226), and October (18). One case was reported in a non-Florida resident. In 2016, 395 cases have been serotyped by PCR. Please see the table below for a breakdown of cases by county and serotype.

County of Exposure	DENV-2	DENV-3	Unknown	Total
Brevard	1			1
Broward	1			1
Citrus	2			2
Hillsborough	322		24	346
Manatee			1	1
Miami-Dade	6	2	1	9
Orange	6		2	8
Palm Beach	1			1
Pasco	4			4
Pinellas	49		2	51
Polk	1			1
Total	393	2	30	425

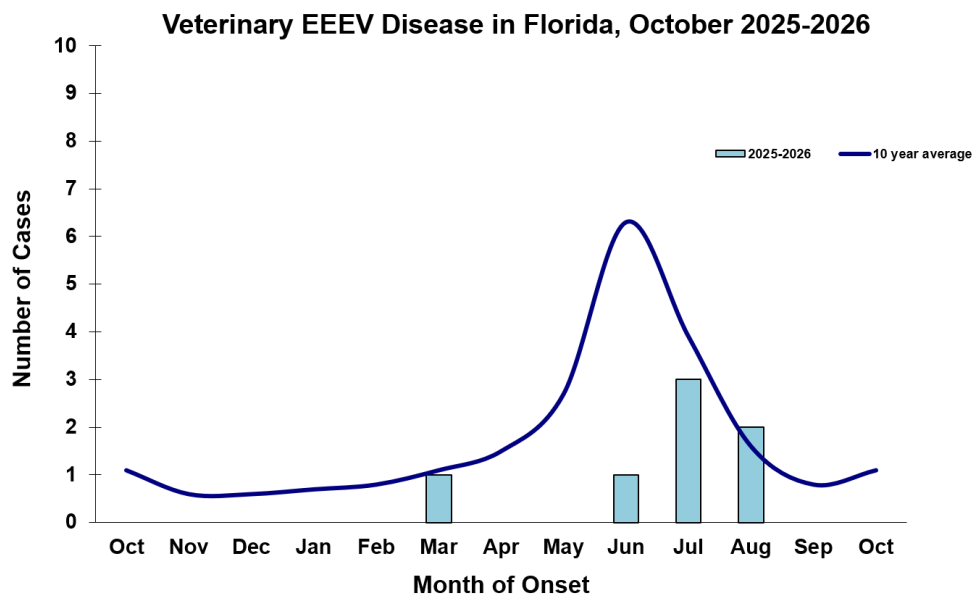
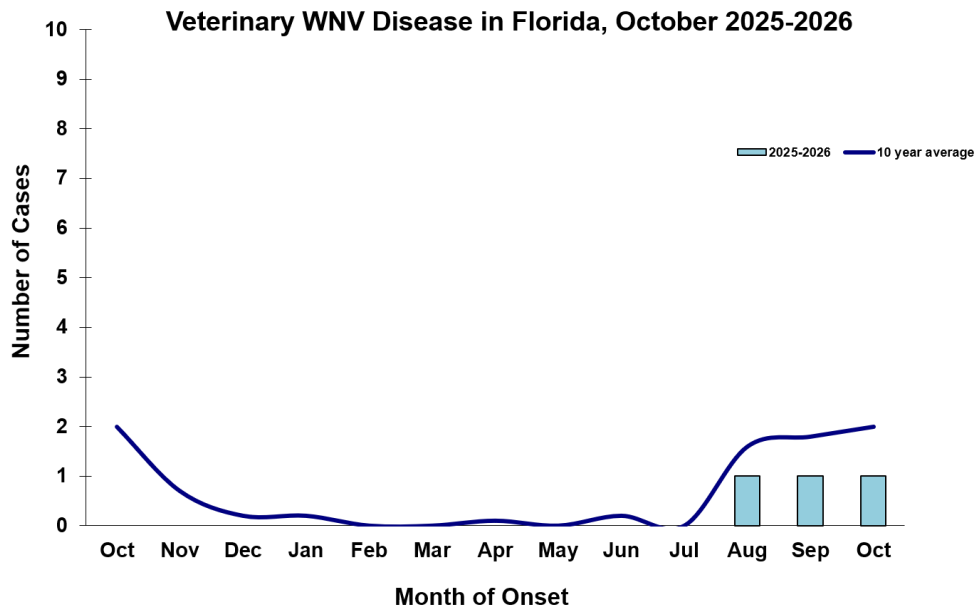
2026 International Travel-Associated Malaria Cases: Forty-three cases with onset in 2026 have been reported in individuals with travel history to a malaria-endemic area. Counties reporting cases were: Alachua (2), Broward (7), Duval (5), Hernando, Hillsborough (5), Lee (2), Leon, Marion, Martin, Miami-Dade (5), Orange (4), Palm Beach, Pasco, Pinellas (2), Polk, Seminole (2), St. Johns, and Washington. Four cases were reported in non-Florida residents. Please see the table below for a breakdown of cases by country of origin and *Plasmodium* species.

Country of Exposure	<i>Plasmodium falciparum</i>	<i>Plasmodium ovale</i>	<i>Plasmodium vivax</i>	Total
Africa			1	1
Benin	1			1
Cameroon	3	1		4
Côte d'Ivoire	3			3
Gabon	1			1
Gambia/Sierra Leona	1			1
Ghana	3			3
India			2	2
Kenya	3			3
Liberia	3			3
Malawi	1			1
Nigeria	10			10
Pakistan			1	1
Papua New Guinea			1	1
Sierra Leone	1			1
Sudan	1			1
Tanzania	2			2

Country of Exposure	<i>Plasmodium falciparum</i>	<i>Plasmodium ovale</i>	<i>Plasmodium vivax</i>	Total
Togo	1			1
Uganda	1	1		2
Zambia	1			1
Total	36	2	5	43

Veterinary Cases**

**Veterinary cases are reported by date of onset. Only mammalian veterinary cases are included in the graphs. One horse with WNV infection was reported in Glades County.



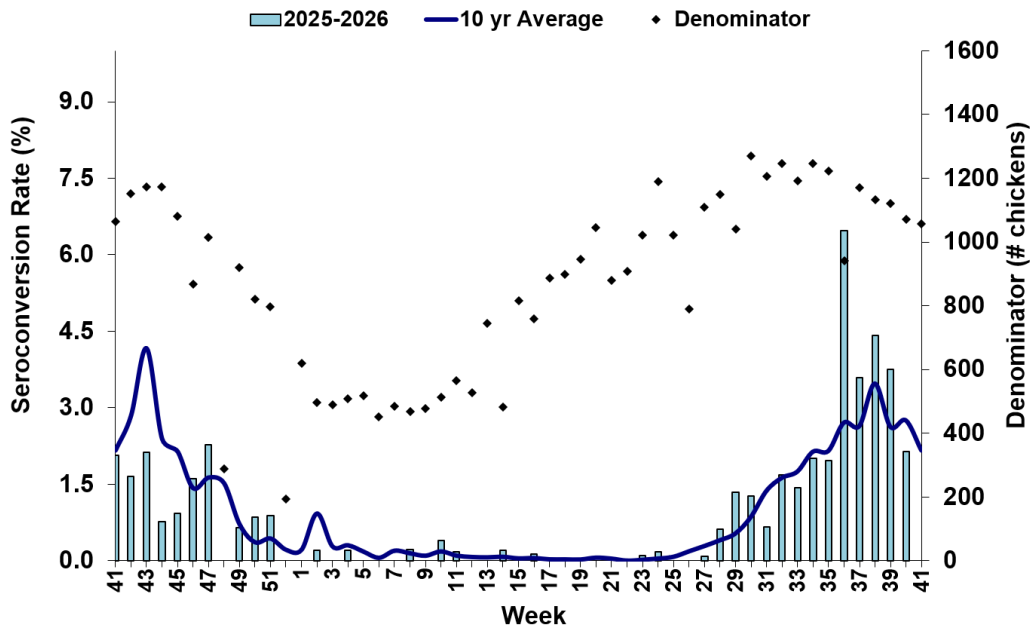
Sentinel Chickens

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.

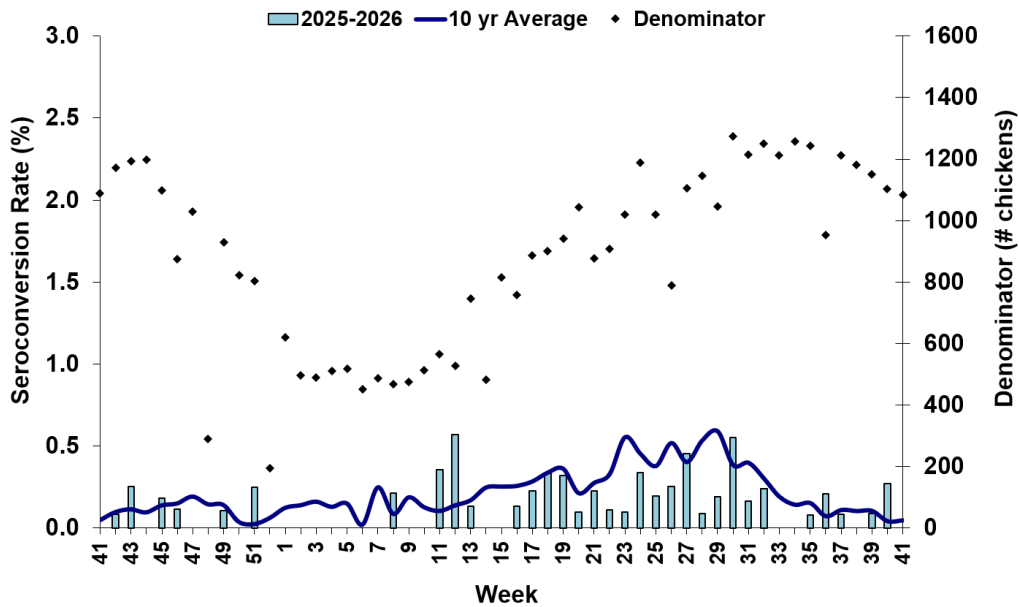
Forty-three sentinel chickens tested positive for antibodies to WNV in Alachua, Bay, Brevard, Citrus, Duval, Hillsborough, Indian River, Manatee, Pasco, Pinellas, Polk, Sumter, and Walton counties. Three sentinel chickens tested positive for antibodies to EEEV in Citrus, Hillsborough, and Volusia counties.

County	Collection Date	Seroconversion Rates (%)						County Totals	
		Flavi	SLEV	WNV	Alpha	EEEV	HJV	Collection Week	YTD
Alachua	9/22/2026	12.50		12.50				2 WNV	1 EEEV, 10 WNV
Bay	9/28/2026	8.33		8.33				1 WNV	18 WNV
	10/5/2026	11.11		11.11				1 WNV	
Brevard	10/2/2026	4.76		4.76				3 WNV	3 EEEV, 1 SLEV, 15 WNV
Citrus	10/6/2026	4.55		4.55	1.52	1.52		1 EEEV, 3 WNV	2 EEEV, 7 WNV
Duval	9/22/2026	2.94		2.94				1 WNV	5 WNV
Hillsborough	9/23/2026	4.35		4.35				1 WNV	3 EEEV, 24 WNV
	10/6/2026	5.00		5.00	5.00	5.00		1 EEEV, 1 WNV	
Indian River	9/16/2026	4.17		4.17				2 WNV	1 EEEV, 12 WNV
	9/29-9/30/2026	7.14		7.14				3 WNV	
Manatee	10/5/2026	9.23		9.23				6 WNV	17 WNV
Pasco	9/28/2026	6.98		6.98				3 WNV	52 WNV
	10/5/2026	7.32		7.32				3 WNV	
Pinellas	10/7/2026	17.50		17.50				7 WNV	53 WNV
Polk	10/2/2026	4.44		4.44				2 WNV	1 EEEV, 9 WNV
Sumter	9/22/2026	5.00		5.00				1 WNV	4 WNV
Volusia	10/5/2026				2.08	2.08		1 EEEV	4 EEEV, 2 HJV, 2 WNV
Walton	9/21/2026	1.33		1.33				1 WNV	21 EEEV, 2 HJV, 65 WNV
	10/5/2026	3.08		3.08				2 WNV	

Sentinel Seroconversions to WNV in Florida, 2025–2026



Sentinel Seroconversions to EEEV in Florida, 2025–2026



Mosquito Pools

No mosquito pools were reported this week.

County	Collection Date	Result	Species	County YTD
-	-	-	-	-

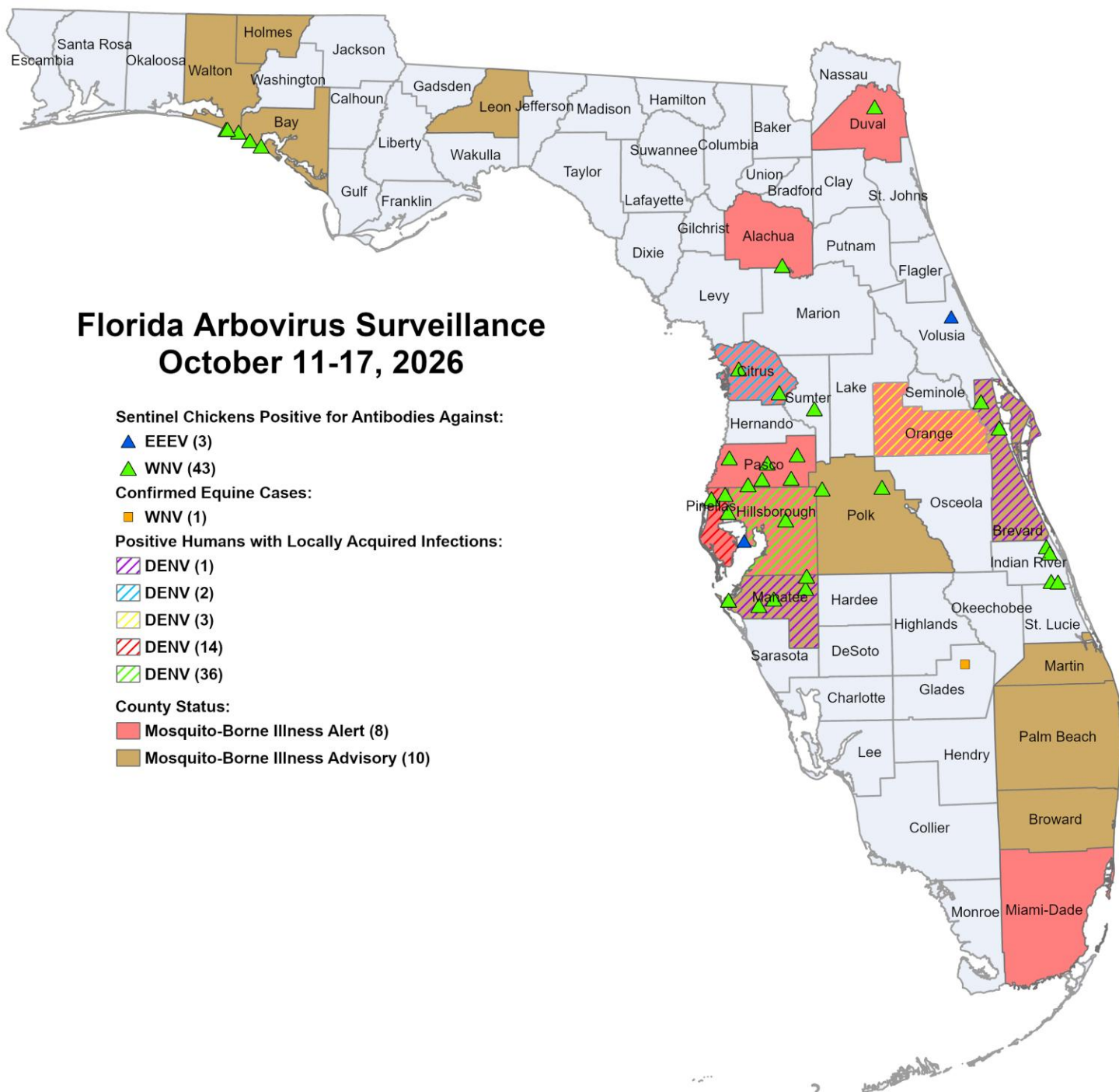
Dead Birds

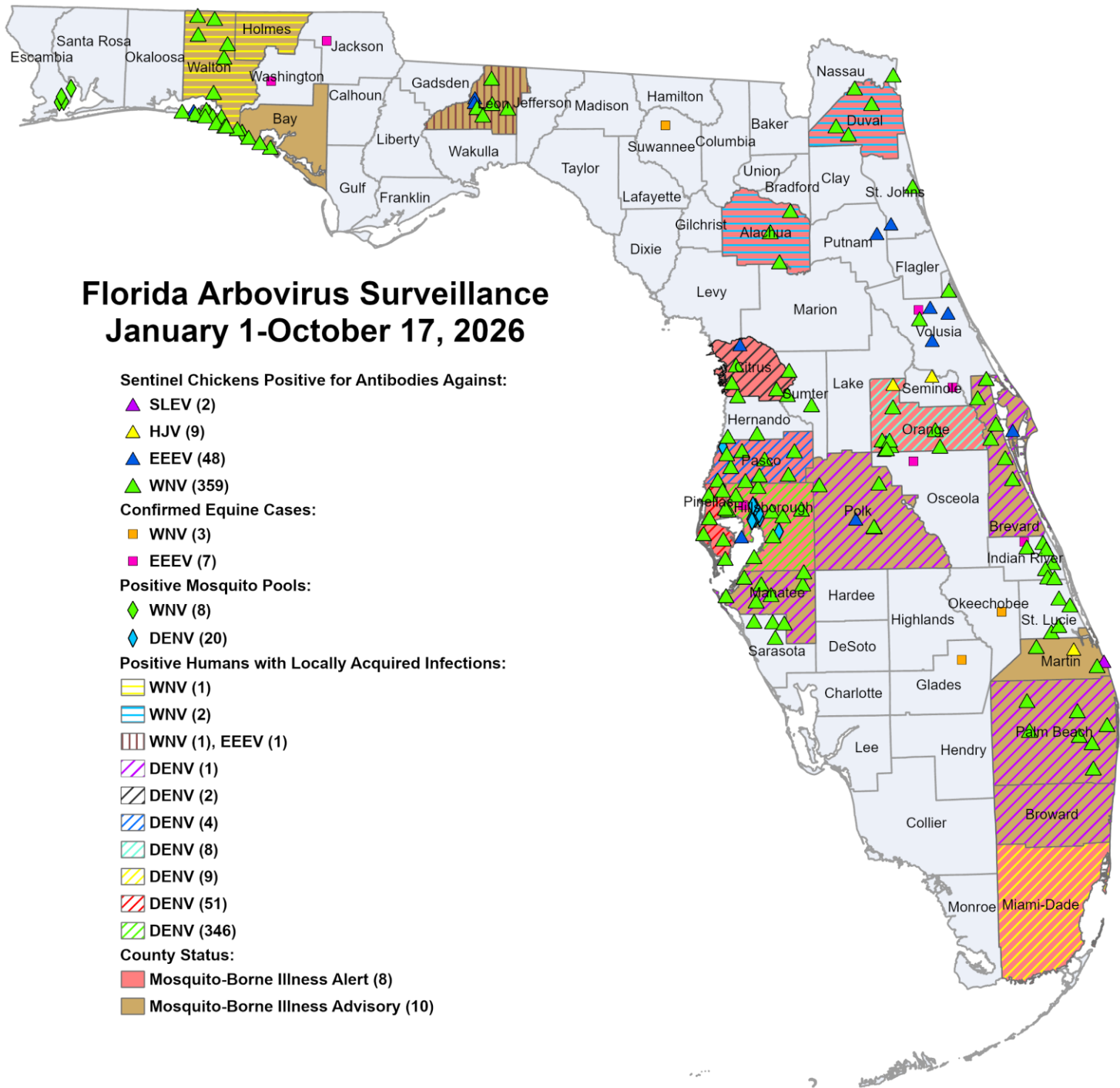
The Fish and Wildlife Conservation Commission (FWC) collects reports of dead birds, which can be an indication of arbovirus circulation in an area. This week, 25 reports representing a total of 69 dead birds, including one crow, 19 raptors, and ten doves, were received from 15 counties.

In 2026, 1512 reports representing a total of 3496 dead birds (79 crows, 29 jays, 431 raptors, 183 doves) were received from 54 of Florida's 67 counties.

2026

County	Total Dead Birds	Crows	Jays	Raptors	Doves
Bay	1	0	0	0	0
Brevard	3	0	0	0	1
Broward	5	0	0	1	0
Hillsborough	2	0	0	1	0
Lee	19	0	0	1	8
Leon	2	1	0	0	0
Nassau	3	0	0	0	0
Okeechobee	15	0	0	15	0
Orange	1	0	0	0	0
Palm Beach	5	0	0	0	0
Pinellas	2	0	0	0	0
Polk	4	0	0	0	1
Sarasota	1	0	0	1	0
Seminole	5	0	0	0	0
Volusia	1	0	0	0	0





2026 Mosquito-Borne Disease Activity by County

County	Humans	Equines	Sentinel Chickens	Other
Alachua	2 WNV (May, August)		1 EEEV (8/4) 10 WNV (7/22, 8/18, 9/1, 9/8, 9/15, 9/22)	
Bay			18 WNV (1/12, 7/20, 7/27, 8/31, 9/8, 9/14, 9/21, 9/28, 10/5)	1 WNV mosquito pools (Cx. quinquefasciatus 9/16)

County	Humans	Equines	Sentinel Chickens	Other
Brevard	1 dengue (September)		3 EEEV (3/19, 5/14, 6/25) 1 SLEV (7/8) 15 WNV (7/16, 7/24, 7/31, 8/20, 9/3, 9/10, 9/11, 10/2)	
Broward	1 dengue (September)			
Citrus	2 dengue (September, October)		2 EEEV (3/17, 10/6) 7 WNV (8/24, 9/1, 9/9, 10/6)	
Duval	1 asymptomatic WNV blood donor (August) 1 WNV (August)		5 WNV (9/14, 9/22, 9/28)	
Escambia				7 WNV mosquito pools (Cx. quinquefasciatus 7/7, 8/4)
Glades		1 WNV (10/13)		
Hillsborough	346 dengue (July (14), August (145), September (177), October (10))	1 EEEV (7/21)	3 EEEV (5/11, 7/27, 10/6) 24 WNV (7/20, 7/27, 8/3, 8/6, 8/24, 8/31, 9/8, 9/16, 9/23, 10/6)	19 DENV-2 mosquito pools (Ae. aegypti 8/6, 8/11, 8/13, 8/20, 8/25, 8/26, 8/27, 9/1, 9/22, 9/24)
Hernando			1 EEEV (8/31) 2 WNV (9/14, 9/28)	
Holmes	1 WNV (August)			
Indian River		1 EEEV (8/20)	1 EEEV (6/12) 12 WNV (9/10, 9/16, 9/23, 9/24, 9/29, 9/30)	
Jackson		1 EEEV (7/27)		
Leon	1 asymptomatic WNV blood donor (July) 1 EEEV (September)		2 EEEV (9/15, 9/29) 13 WNV (7/14, 7/20, 8/11, 9/1, 9/8, 9/15, 9/29)	
Martin			1 HJV (7/2) 1 SLEV (9/24) 4 WNV (9/2, 9/17)	
Miami-Dade	1 chikungunya (August) 9 dengue (July (6), August (2), September)			
Manatee	1 dengue (September)		17 WNV (7/28, 8/24, 9/7, 9/21, 9/28, 10/5)	
Nassau			1 WNV (9/22)	
Okeechobee		1 WNV (9/27)		
Orange	8 dengue (August (3), September (2), October (3))		6 EEEV (4/21, 5/12, 6/2, 6/29, 7/7, 9/8) 2 HJV (5/4, 9/8) 17 WNV (2/23, 7/27, 8/10, 8/17, 8/31, 9/8, 9/15, 9/21, 9/28, 9/29)	
Osceola		1 EEEV (7/1)		
Palm Beach	1 dengue (July)		1 HJV (3/23) 15 WNV (3/9, 6/16, 8/24, 9/8, 9/21)	
Pasco	4 dengue (August (2), September (2))		52 WNV (4/20, 7/13, 7/20, 7/27, 8/3, 8/10, 8/18, 8/24, 8/31, 9/4, 9/14, 9/21, 9/28, 10/5)	1 DENV-2 mosquito pool (Ae. aegypti 9/16)

County	Humans	Equines	Sentinel Chickens	Other
Pinellas	51 dengue (August (8), September (39), October (4))		53 WNV (6/8, 6/15, 7/13, 7/27, 8/3, 8/10, 8/17, 8/31, 9/1, 9/8, 9/14, 9/21, 9/28, 10/7)	
Polk	1 dengue (September)		1 EEEV (5/18) 9 WNV (8/10, 9/4, 9/11, 9/21, 9/25, 9/28, 10/2)	
Putnam			1 EEEV (8/4)	
Sarasota			9 WNV (8/11, 8/17, 9/8, 9/15, 9/22)	
Seminole		1 EEEV (6/16)	1 HJV (7/6)	
Sumter			4 WNV (9/1, 9/8, 9/22, 9/28)	
St. Johns			2 EEEV (4/27, 5/26) 1 WNV (9/8)	
St. Lucie			4 WNV (8/26, 9/10, 9/16, 9/24)	
Suwannee		1 WNV (8/28)		
Volusia		1 EEEV (3/14)	4 EEEV (2/23, 3/23, 10/5) 2 HJV (3/30, 7/6) 2 WNV (1/26, 3/16)	
Walton	1 WNV (July)		21 EEEV (4/27, 5/4, 5/26, 6/15, 6/22, 7/7, 7/13, 7/20, 7/27, 8/10) 2 HJV (6/15, 7/27) 65 WNV (4/6, 7/13, 7/20, 7/27, 8/3, 8/10, 8/17, 8/24, 8/31, 9/1, 9/8, 9/14, 9/15, 9/21, 9/28, 10/5)	
Washington		1 EEEV (8/30)		

Acknowledgements and Data Sources

Contributors: Andrea Morrison, PhD, MSPH, Rebecca Zimler, PhD, MPH, Olga Ospina, MPH, and Danielle Stanek, DVM, DOH Bureau of Epidemiology; Lea Heberlein, DrPH; Peter Dumoulin, PhD, Edgar Kopp, MS, Brittany Rowlette, and Amanda Davis, BS; DOH Bureau of Public Health Laboratories.

For more surveillance information, please see the DOH website at: 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: www.cdc.gov/ncidod/dvbid/westnile/surv&control.htm

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: 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.