Florida Arbovirus Surveillance
Week 40: October 4-10, 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 4-10, 2026, 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. Thirty-nine sentinel chickens tested positive for antibodies to WNV in Alachua, Bay, Duval, Hernando, Indian River, Leon, Manatee, Orange, Palm Beach, Pasco, Pinellas, Polk, St. Lucie, Sumter, and Walton counties. In 2026, positive samples from five symptomatic humans, two asymptomatic blood donors, 316 sentinel chickens, two horses, and eight mosquito pools have been reported from 27 counties.

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

EEEV activity: One human case of EEEV infection was reported this week. No horses with EEEV infection were reported this week. One sentinel chicken tested positive for antibodies to EEEV in Leon County. In 2026, positive samples from one human, 45 sentinel chickens, and seven horses have been reported from 17 counties.

International Travel-Associated Dengue: Twenty-six cases of dengue were reported this week. In 2026, 288 travel-associated dengue cases have been reported.

Dengue Cases Acquired in Florida: Seventy-two cases of locally acquired dengue were reported this week. In 2026, 368 cases of locally acquired dengue and 20 mosquito pools have been reported from eight counties.

International Travel-Associated Chikungunya Fever Cases: Six cases of chikungunya fever were reported this week. In 2026, 84 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 10, 2026: Bay, Brevard, Broward, Holmes, Leon, Manatee, Martin, Palm Beach, Polk, and Walton counties are currently under a mosquito-borne illness advisory. Alachua, 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		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-four 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 (2), Hernando, Hillsborough (8), Lee, Miami-Dade (52), Monroe (2), Okaloosa, Orange (3), Osceola, Palm Beach (4), Pinellas, Seminole, St. Lucie, and St. Johns. Countries of origin were Bolivia (2), Brazil (2), Cameroon, Cuba (53), Guyana, Nicaragua (23), 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: Two hundred eighty-eight 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 (4), Duval (2), Hendry, Hillsborough (15), Lake, Lee (13), Manatee (2), Marion, Miami-Dade (182), Monroe, Orange (7), Osceola (3), Palm Beach (13), Pasco, Pinellas (2), Polk (4), Sarasota, Seminole (3), St. Johns, St. Lucie (6), and Walton. Six cases were reported in non-Florida residents. In 2026, 254 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
Bangladesh			1				1
Brazil		1					1
Colombia	1	1	2	1		3	8
Cuba		208	3	2	1	26	240
Dominican Republic		2				2	4
Ecuador		1	1				2
El Salvador			3				3
Guatemala			1				1
Guyana		2				1	3
India	2	3	1				6

Country of Exposure	DENV-1	DENV-2	DENV-3	DENV-4	DENV-2/ DENV 3	Unknown	Total
Indonesia		1					1
Mexico			1			1	2
Nicaragua	1		5			1	7
Peru			3				3
Philippines		1					1
Puerto Rico			4				4
Vietnam		1					1
Total	**4**	**221**	**25**	**3**	**1**	**34**	**288**

2026 Dengue Cases Acquired in Florida: In 2026, 368 cases of locally acquired dengue have been reported in Broward, Hillsborough (310), Miami-Dade (9), Orange (5), Palm Beach, Pasco (4), Pinellas (37), and Polk with onset in July (21), August (159), and September (188). One case was reported in a non-Florida resident. In 2016, 343 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
Broward	1			1
Hillsborough	289		21	310
Miami-Dade	6	2	1	9
Orange	3		2	5
Palm Beach	1			1
Pasco	4			4
Pinellas	36		1	37
Polk	1			1
Total	**341**	**2**	**25**	**368**

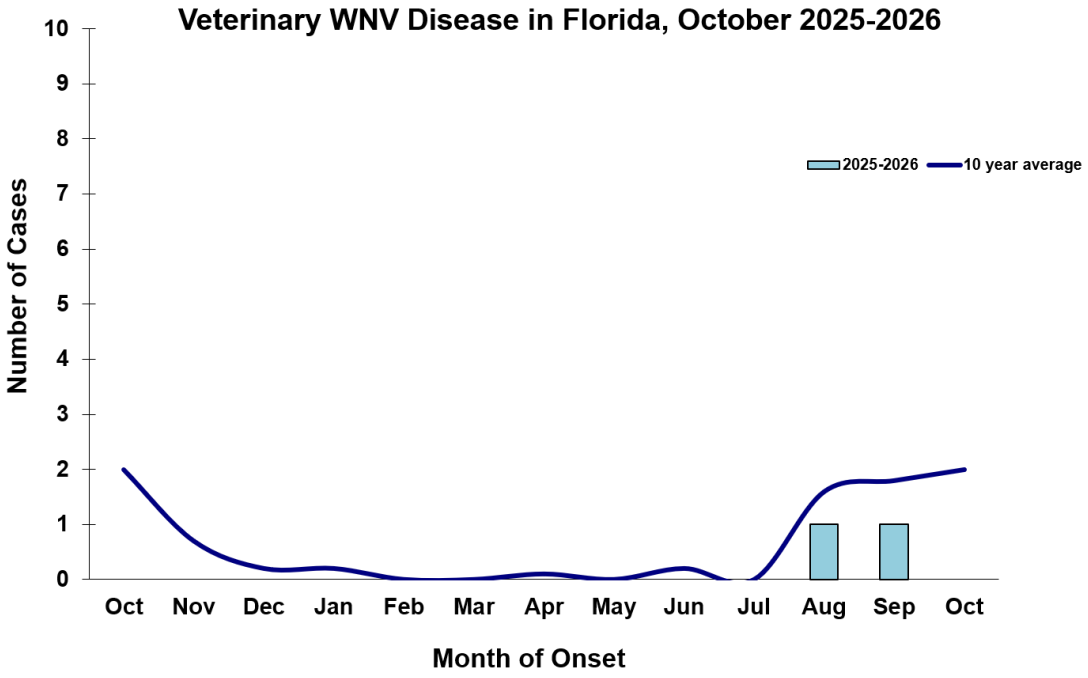
2026 International Travel-Associated Malaria Cases: Forty-three cases with onset in 2026 have been reported in individuals with travel history to a malaria-endemic area. Counties reporting cases were: Alachua (2), Broward (7), Duval (5), Hernando, Hillsborough (5), Lee (2), Leon, Marion, Martin, Miami-Dade (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.

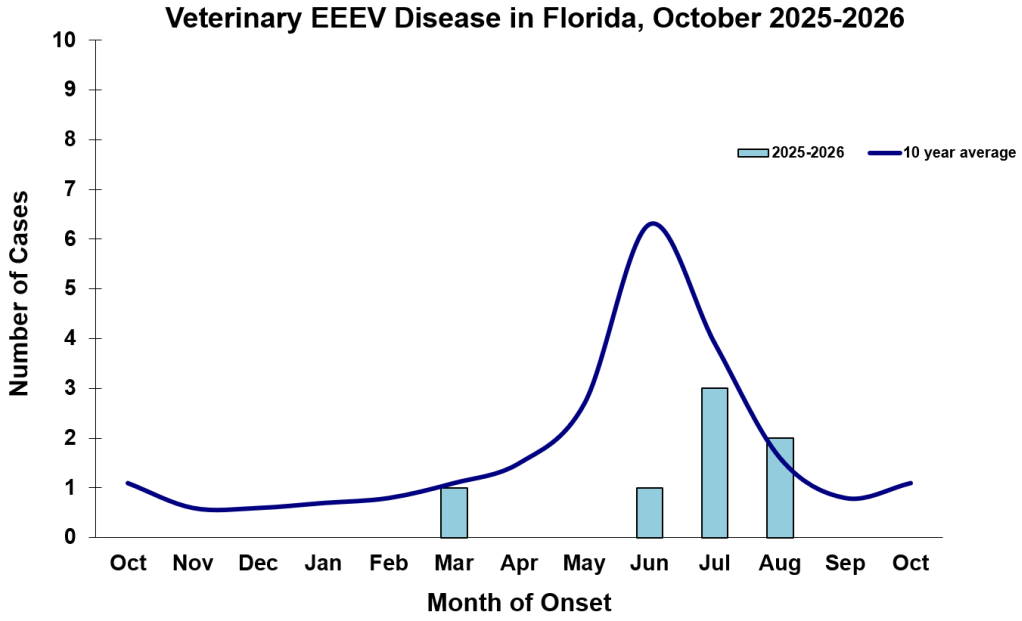
Country of Exposure	*Plasmodium falciparum*	*Plasmodium ovale*	*Plasmodium vivax*	Total
Africa			1	1
Benin	1			1
Cameroon	3	1		4
Côte d'Ivoire	3			3
Gabon	1			1
Gambia/Sierra Leona	1			1
Ghana	3			3
India			2	2
Kenya	3			3
Liberia	3			3
Malawi	1			1
Nigeria	10			10
Pakistan			1	1
Papua New Guinea			1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

No veterinary cases were reported this week.



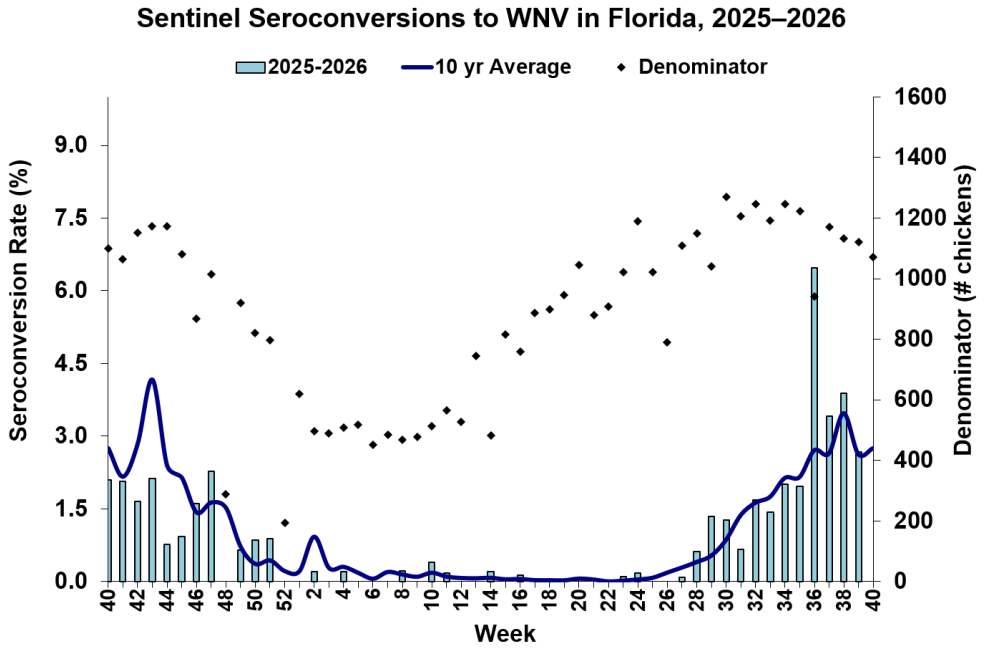


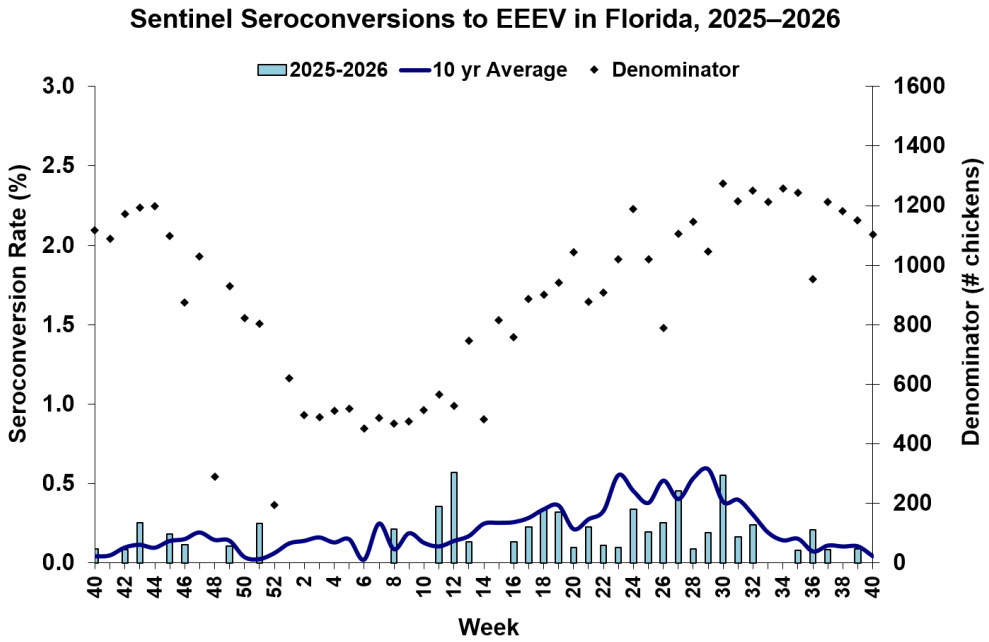
Sentinel Chickens

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-nine sentinel chickens tested positive for antibodies to WNV in Alachua, Bay, Duval, Hernando, Indian River, Leon, Manatee, Orange, Palm Beach, Pasco, Pinellas, Polk, St. Lucie, Sumter, and Walton counties. One sentinel chicken tested positive for antibodies to SLEV in Martin County. One sentinel chicken tested positive for antibodies to EEEV in Leon County.

County	Collection Date	Seroconversion Rates (%)						County Totals	
		Flavi	SLEV	WNV	Alpha	EEEV	HJV	Collection Week	YTD
Alachua	9/22/2026	6.25		6.25				1 WNV	1 EEEV, 8 WNV
Bay	9/28/2026	50.00		50.00				6 WNV	16 WNV
Duval	9/28/2026	2.94		2.94				1 WNV	4 WNV
Hernando	9/28/2026	3.13		3.13				1 WNV	1 EEEV, 2 WNV
Indian River	9/23-9/24/2026	4.55		4.55				2 WNV	1 EEEV, 7 WNV
Leon	9/15/2026 9/29/2026	3.23 5.26		3.23 5.26	 5.26	 5.26		1 WNV 1 EEEV, 1 WNV	2 EEEV, 13 WNV
Manatee	9/28/2026	1.79		1.79				1 WNV	11 WNV
Martin	9/24/2026	2.44	2.44					1 SLEV	1 HJV, 1 SLEV, 4 WNV
Orange	9/28-9/29/2026	1.83		1.83				2 WNV	6 EEEV, 2 HJV, 17 WNV
Palm Beach	9/21/2026	6.25		6.25				2 WNV	1 HJV, 15 WNV
Pasco	9/28/2026	16.28		16.28				7 WNV	46 WNV
Pinellas	9/28/2026	9.09		9.09				3 WNV	46 WNV
Polk	9/11/2026 9/25/2026 9/28/2026	2.17 2.13 2.22		2.17 2.13 2.22				1 WNV 1 WNV 1 WNV	1 EEEV, 7 WNV
St. Lucie	9/24/2026	2.17		2.17				1 WNV	4 WNV
Sumter	9/28/2026	4.76		4.76				1 WNV	3 WNV
Walton	9/28/2026	8.45		8.45				6 WNV	21 EEEV, 2 HJV, 62 WNV





Mosquito Pools

No mosquito pools were reported this week.

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

Dead Birds

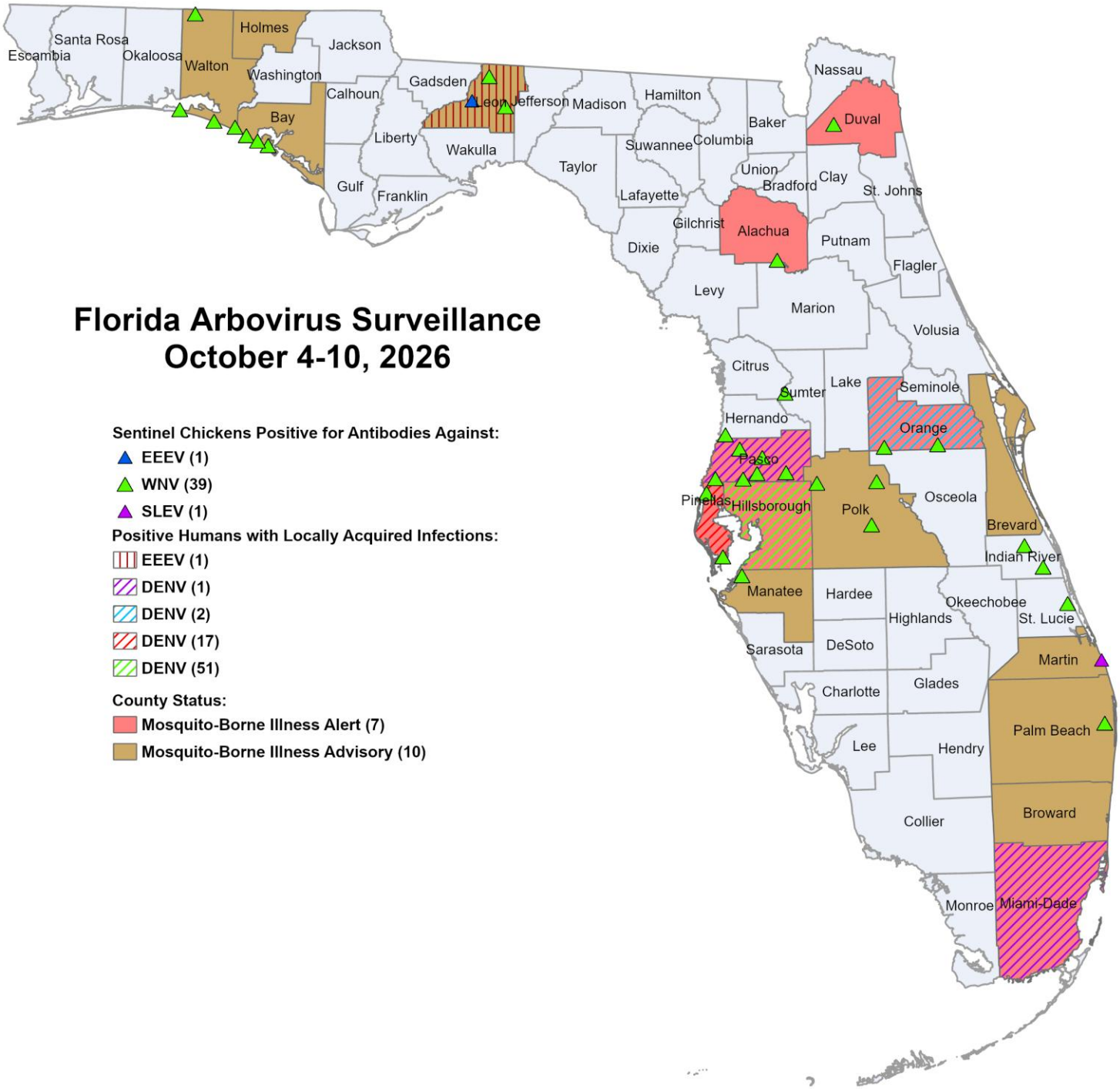
The Fish and Wildlife Conservation Commission (FWC) collects reports of dead birds, which can be an indication of arbovirus circulation in an area. This week, 27 reports representing a total of 59 dead birds, including one crow, two raptors, and four doves, were received from 16 counties.

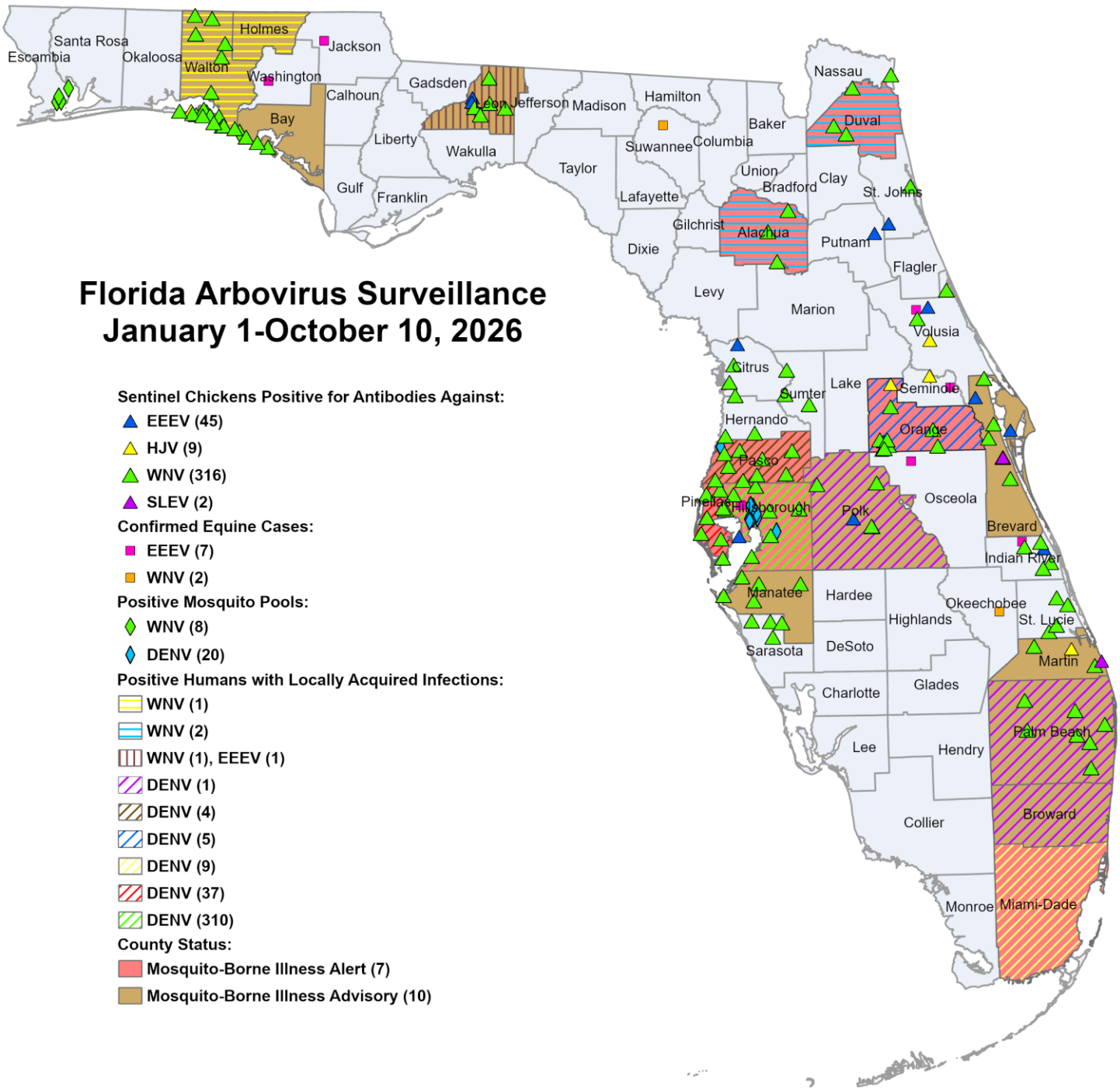
In 2026, 1487 reports representing a total of 3427 dead birds (78 crows, 29 jays, 412 raptors, 173 doves) were received from 54 of Florida's 67 counties.

2026

County	Total Dead Birds	Crows	Jays	Raptors	Doves
Bay	1	0	0	0	1
Broward	1	0	0	0	0
Charlotte	11	0	0	0	0
Duval	3	0	0	0	0
Flagler	7	0	0	0	0
Hillsborough	4	0	0	0	1
Jackson	1	0	0	1	0
Lake	2	1	0	0	0
Leon	2	0	0	0	0
Miami-Dade	6	0	0	0	0
Pinellas	13	0	0	0	0
Sarasota	1	0	0	1	0
St. Lucie	1	0	0	0	0
Volusia	1	0	0	0	0
Walton	3	0	0	0	0
Washington	2	0	0	0	2

Maps


Florida Arbovirus Surveillance
October 4-10, 2026
Sentinel Chickens Positive for Antibodies Against:
EEEV (1)
WNV (39)
SLEV (1)
Positive Humans with Locally Acquired Infections:
EEEV (1)
DENV (1)
DENV (2)
DENV (17)
DENV (51)
County Status:
Mosquito-Borne Illness Alert (7)
Mosquito-Borne Illness Advisory (10)
Santa Rosa
Escambia
Okaloosa
Walton
Holmes
Jackson
Washington
Bay
Calhoun
Gadsden
Leon
Jefferson
Madison
Hamilton
Nassau
Duval
Baker
Columbia
Suwannee
Liberty
Wakulla
Taylor
Gulf
Franklin
Lafayette
Union
Bradford
Clay
St. Johns
Gilchrist
Alachua
Putnam
Dixie
Flagler
Levy
Marion
Volusia
Citrus
Sumter
Lake
Seminole
Hernando
Orange
Pasco
Pinellas
Hillsborough
Polk
Osceola
Brevard
Indian River
Manatee
Hardee
Okeechobee
Highlands
St. Lucie
Sarasota
DeSoto
Martin
Charlotte
Glades
Palm Beach
Lee
Hendry
Broward
Collier
Monroe
Miami-Dade



2026 Mosquito-Borne Disease Activity by County

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

County	Humans	Equines	Sentinel Chickens	Other
Brevard			3 EEEV (3/19, 5/14, 6/25) 1 SLEV (7/8) 12 WNV (7/16, 7/24, 7/31, 8/20, 9/3, 9/10, 9/11)	
Broward	1 dengue (September)			
Citrus			1 EEEV (3/17) 4 WNV (8/24, 9/1, 9/9)	
Duval	1 asymptomatic WNV blood donor (August) 1 WNV (August)		4 WNV (9/14, 9/22, 9/28)	
Escambia				7 WNV mosquito pools (*Cx. quinquefasciatus* 7/7, 8/4)
Hillsborough	310 dengue (July (14), August (144), September (152))	1 EEEV (7/21)	2 EEEV (5/11, 7/27) 22 WNV (7/20, 7/27, 8/3, 8/6, 8/24, 8/31, 9/8, 9/16, 9/23)	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) 7 WNV (9/10, 9/16, 9/23, 9/24)	
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			11 WNV (7/28, 8/24, 9/7, 9/21, 9/28)	
Nassau			1 WNV (9/22)	
Okeechobee		1 WNV (9/27)		
Orange	5 dengue (August (3), September (2))		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))		46 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)	1 DENV-2 mosquito pool (*Ae. aegypti* 9/16)
Pinellas	37 dengue (August (8), September (29))		46 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)	

County	Humans	Equines	Sentinel Chickens	Other
Polk	1 dengue (September)		1 EEEV (5/18) 7 WNV (8/10, 9/4, 9/11, 9/21, 9/25, 9/28)	
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			3 WNV (9/1, 9/8, 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)	3 EEEV (2/23, 3/23) 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) 62 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)	
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.