Florida Arbovirus Surveillance
Week 42: October 18-24, 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 18-24, 2026, the following arboviral activity was recorded in Florida.

WNV activity: One human case of WNV infection was reported in Sarasota County. No horses with WNV infection were reported this week. Forty-two sentinel chickens tested positive for antibodies to WNV in Bay, Brevard, Citrus, Hillsborough, Hernando, Indian River, Leon, Manatee, Orange, Palm Beach, Pasco, Polk, Sarasota, St. Lucie, Sumter, Volusia, and Walton counties. In 2026, positive samples from six symptomatic humans, two asymptomatic blood donors, 401 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. Two sentinel chickens tested positive for antibodies to EEEV in Leon and Orange counties. In 2026, positive samples from one human, 50 sentinel chickens, and seven horses have been reported from 17 counties.

International Travel-Associated Dengue: Thirty-five cases of dengue were reported this week. In 2026, 355 travel-associated dengue cases have been reported.

Dengue Cases Acquired in Florida: Sixty cases of locally acquired dengue were reported this week. In 2026, 485 cases of locally acquired dengue and 20 mosquito pools have been reported from twelve counties.

International Travel-Associated Chikungunya Fever Cases: Six cases of chikungunya fever were reported this week. In 2026, 94 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 24, 2026: Bay, Brevard, Broward, Holmes, Leon, Manatee, Martin, Palm Beach, Polk, Sarasota, and Walton counties are currently under a mosquito-borne illness advisory. Alachua, Citrus, Duval, Hillsborough, Miami-Dade, Orange, Pasco, Pinellas, and Seminole 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, six human cases of WNV illness acquired in Florida have been reported in Alachua (May, August), Duval (August), Holmes (August), Sarasota (October), 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: Ninety-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 (5), Collier (3), Hernando, Hillsborough (8), Lee, Miami-Dade (59), 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 (60), Guyana, Nicaragua (26), 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 fifty-five 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 (4), Broward (20), Collier (5), Duval (2), Hendry, Hernando, Hillsborough (18), Lake, Lee (16), Manatee (2), Marion, Miami-Dade (225), Monroe (2), Orange (7), Osceola (3), Palm Beach (16), Pasco (2), Pinellas (4), Polk (4), Sarasota (2), Seminole (4), St. Johns (4), St. Lucie (8), and Walton. Six cases were reported in non-Florida residents. In 2026, 317 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		260	5	2	1	30	298
Dominican Republic		2				2	4
Ecuador			2				2
El Salvador			3				3

Country of Exposure	DENV-1	DENV-2	DENV-3	DENV-4	DENV-2/ DENV 3	Unknown	Total
Guatemala			1				1
Guyana		2				1	3
India	2	5	2				9
Indonesia		1					1
Laos		1					1
Mexico			1			1	2
Nicaragua	1		7			1	9
Peru			3				3
Philippines		1					1
Puerto Rico	2		4				6
Vietnam		1					1
Total	**6**	**276**	**31**	**3**	**1**	**38**	**355**

2026 Dengue Cases Acquired in Florida: In 2026, 485 cases of locally acquired dengue have been reported in Brevard, Broward, Citrus (3), Hillsborough (385), Manatee (2), Miami-Dade (9), Orange (9), Palm Beach, Pasco (4), Pinellas (67), Polk, and Seminole (2) with onset in July (21), August (161), September (254), and October (49). Two cases were reported in non-Florida residents. In 2016, 445 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		1	3
Hillsborough	355		30	385
Manatee	1		1	2
Miami-Dade	6	2	1	9
Orange	7		2	9
Palm Beach	1			1
Pasco	4			4
Pinellas	63		4	67
Polk	1			1
Seminole	1		1	2
Total	**443**	**2**	**40**	**485**

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.

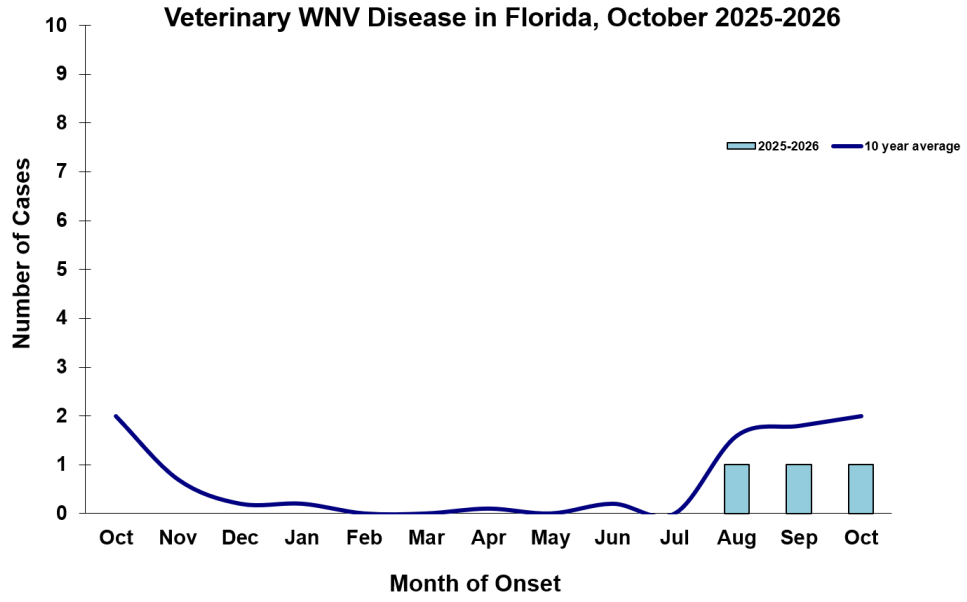
Country of Exposure	*Plasmodium falciparum*	*Plasmodium ovale*	*Plasmodium vivax*	Total
Africa			1	1
Benin	1			1
Cameroon	3	1		4
Côte d'Ivoire	3			3
Gabon	1			1
Gambia/Sierra Leona	1			1
Ghana	3			3
India			2	2
Kenya	3			3
Liberia	3			3
Malawi	1			1
Nigeria	10			10
Pakistan			1	1
Papua New Guinea			1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

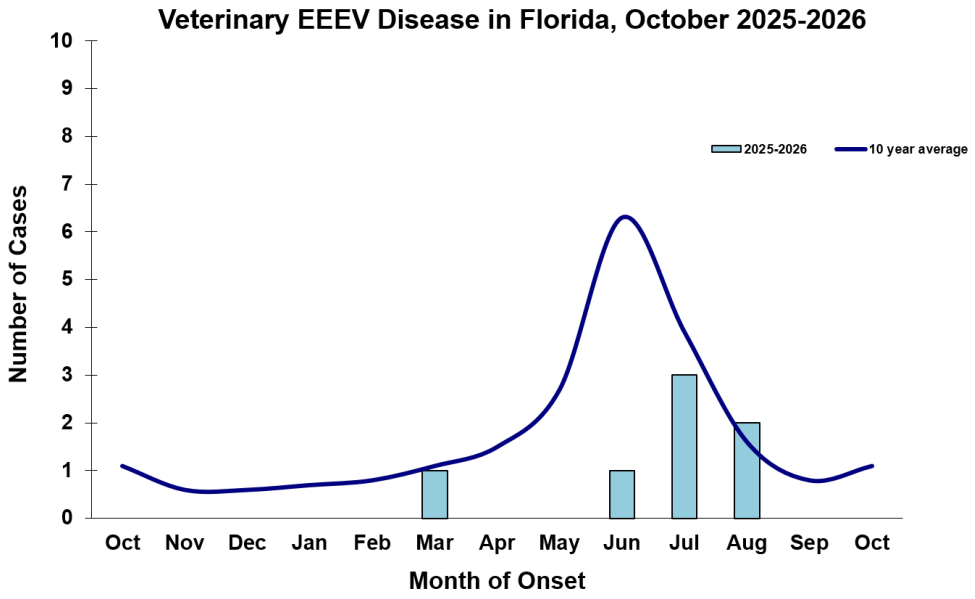
Country of Exposure	*Plasmodium falciparum*	*Plasmodium ovale*	*Plasmodium vivax*	Total
Sudan	1			1
Tanzania	2			2
Togo	1			1
Uganda	1	1		2
Zambia	1			1
Total	**36**	**2**	**5**	**43**

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.



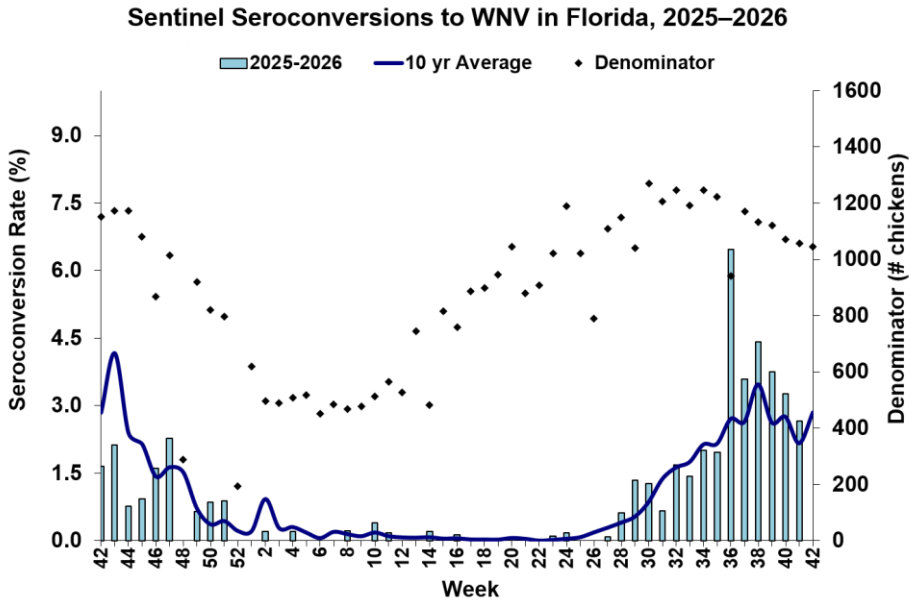


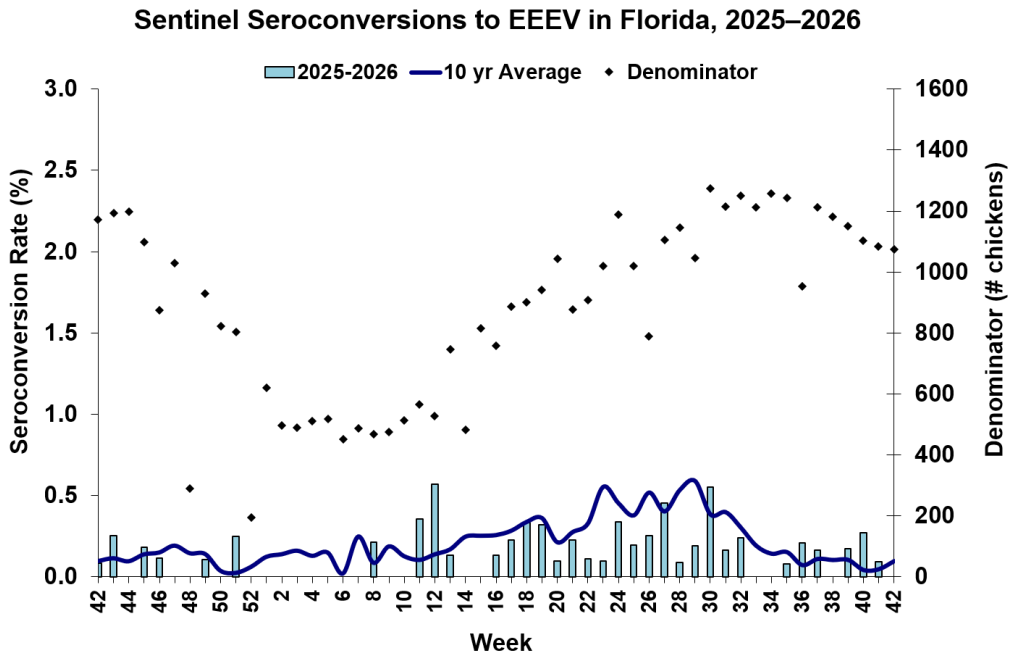
Sentinel Chickens

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.

Forty-two sentinel chickens tested positive for antibodies to WNV in Bay, Brevard, Citrus, Hillsborough, Hernando, Indian River, Leon, Manatee, Orange, Palm Beach, Pasco, Polk, Sarasota, St. Lucie, Sumter, Volusia, and Walton counties. Two sentinel chickens tested positive for antibodies to EEEV in Leon and Orange counties. One sentinel chicken tested positive for antibodies to HJV in Volusia County.

County	Collection Date	Seroconversion Rates (%)						County Totals	
		Flavi	SLEV	WNV	Alpha	EEEV	HJV	Collection Week	YTD
Bay	10/12/2026	12.50		12.50				1 WNV	19 WNV
Brevard	10/7/2026	1.61		1.61				1 WNV	3 EEEV, 1 SLEV, 16 WNV
Citrus	10/13/2026	7.94		7.94				5 WNV	2 EEEV, 12 WNV
Hillsborough	10/13/2026	17.65		17.65				3 WNV	3 EEEV, 27 WNV
Hernando	9/28/2026 10/12/2026	3.13 10.71		3.13 10.71				1 WNV 3 WNV	1 EEEV, 6 WNV
Indian River	10/8/2026	13.16		13.16				5 WNV	1 EEEV, 17 WNV
Leon	10/7/2026 10/13/2026	13.04		13.04	 3.85	 3.85		3 WNV 1 EEEV	3 EEEV, 16 WNV
Manatee	10/12/2026	6.12		6.12				3 WNV	20 WNV
Orange	9/15/2026 10/12/2026	 0.91		 0.91	0.88	0.88		1 EEEV 1 WNV	7 EEEV, 2 HJV, 18 WNV
Palm Beach	9/29/2026 10/5/2026	9.09 3.23		9.09 3.23				1 WNV 1 WNV	1 HJV, 17 WNV
Pasco	10/13/2026	15.00		15.00				6 WNV	58 WNV
Polk	10/12/2026	2.63		2.63				1 WNV	1 EEEV, 10 WNV
Sarasota	10/13/2026	1.47		1.47				1 WNV	10 WNV
St. Lucie	10/7-10/8/2026	4.55		4.55				2 WNV	6 WNV
Sumter	10/13/2026	5.00		5.00				1 WNV	5 WNV
Volusia	9/28/2026 10/12/2026	 2.08		 2.08	2.17		2.17	1 HJV 1 WNV	4 EEEV, 3 HJV, 3 WNV
Walton	10/12/2026	2.60		2.60				2 WNV	21 EEEV, 2 HJV, 67 WNV





Mosquito Pools

No mosquito pools were reported this week.

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

Dead Birds

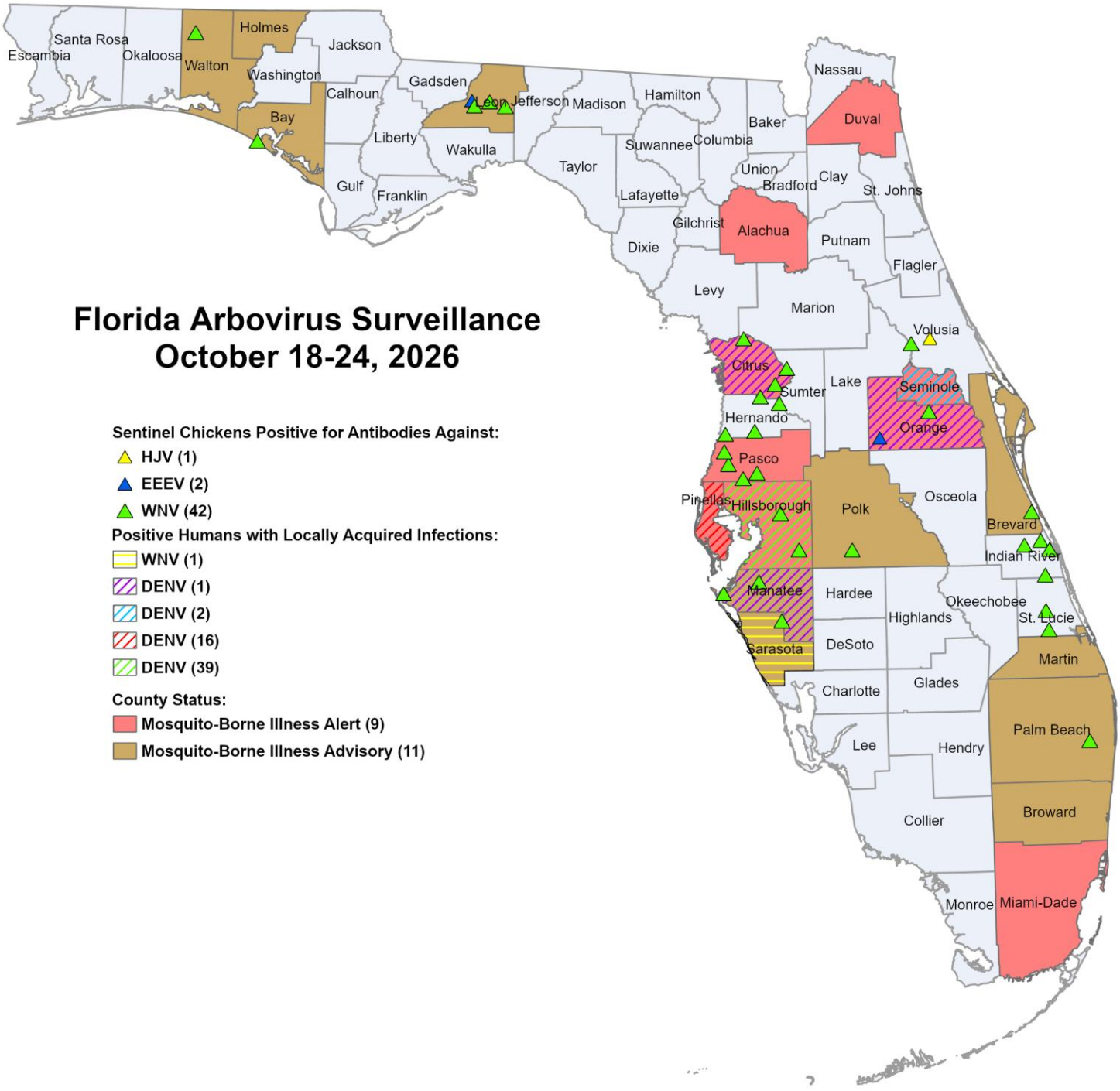
The Fish and Wildlife Conservation Commission (FWC) collects reports of dead birds, which can be an indication of arbovirus circulation in an area. This week, 20 reports representing a total of 31 dead birds, including one crow, two jays, and five raptors, were received from 15 counties.

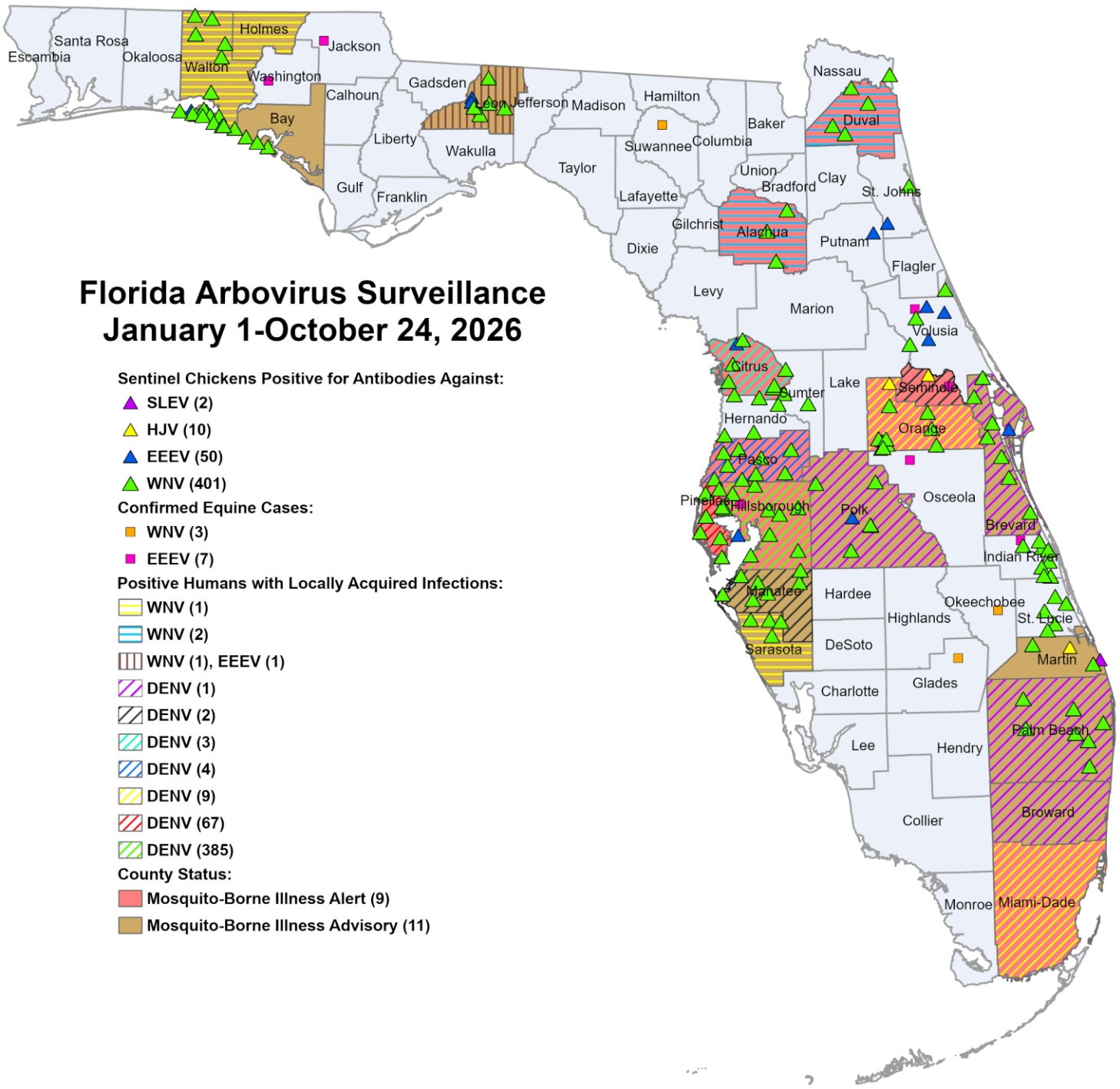
In 2026, 1532 reports representing a total of 3527 dead birds (80 crows, 31 jays, 436 raptors, 183 doves) were received from 54 of Florida's 67 counties.

2026

County	Total Dead Birds	Crows	Jays	Raptors	Doves
Alachua	1	0	0	0	0
Charlotte	1	0	0	0	0
Citrus	1	1	0	0	0
Collier	1	0	0	0	0
Duval	3	0	0	2	0
Escambia	1	0	0	0	0
Hillsborough	3	0	2	0	0
Indian River	1	0	0	1	0
Lee	1	0	0	0	0
Manatee	2	0	0	0	0
Miami-Dade	6	0	0	0	0
Osceola	1	0	0	1	0
Palm Beach	6	0	0	0	0
Sarasota	1	0	0	0	0
Seminole	2	0	0	1	0

Maps


Florida Arbovirus Surveillance
October 18-24, 2026
Sentinel Chickens Positive for Antibodies Against:
HJV (1)
EEEV (2)
WNV (42)
Positive Humans with Locally Acquired Infections:
WNV (1)
DENV (1)
DENV (2)
DENV (16)
DENV (39)
County Status:
Mosquito-Borne Illness Alert (9)
Mosquito-Borne Illness Advisory (11)
Escambia
Santa Rosa
Okaloosa
Walton
Holmes
Washington
Jackson
Bay
Calhoun
Gadsden
Liberty
Gulf
Franklin
Wakulla
Leon
Jefferson
Madison
Taylor
Hamilton
Suwannee
Lafayette
Dixie
Columbia
Baker
Nassau
Duval
Union
Bradford
Clay
St. Johns
Gilchrist
Alachua
Putnam
Flagler
Levy
Marion
Volusia
Citrus
Sumter
Lake
Seminole
Orange
Hernando
Pasco
Pinellas
Hillsborough
Polk
Osceola
Brevard
Indian River
Manatee
Hardee
Highlands
Okeechobee
St. Lucie
Sarasota
DeSoto
Martin
Charlotte
Glades
Palm Beach
Lee
Hendry
Collier
Broward
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) 10 WNV (7/22, 8/18, 9/1, 9/8, 9/15, 9/22)	
Bay			19 WNV (1/12, 7/20, 7/27, 8/31, 9/8, 9/14, 9/21, 9/28, 10/5, 10/13)	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) 16 WNV (7/16, 7/24, 7/31, 8/20, 9/3, 9/10, 9/11, 10/2, 10/7)	
Broward	1 dengue (September)			
Citrus	3 dengue (September, October (2))		2 EEEV (3/17, 10/6) 12 WNV (8/24, 9/1, 9/9, 10/6, 10/13)	
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	385 dengue (July (14), August (145), September (199), October (27))	1 EEEV (7/21)	3 EEEV (5/11, 7/27, 10/6) 27 WNV (7/20, 7/27, 8/3, 8/6, 8/24, 8/31, 9/8, 9/16, 9/23, 10/6, 10/13)	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) 6 WNV (9/14, 9/28, 10/12)	
Holmes	1 WNV (August)			
Indian River		1 EEEV (8/20)	1 EEEV (6/12) 17 WNV (9/10, 9/16, 9/23, 9/24, 9/29, 9/30, 10/8)	
Jackson		1 EEEV (7/27)		
Leon	1 asymptomatic WNV blood donor (July) 1 EEEV (September)		3 EEEV (9/15, 9/29, 10/7) 16 WNV (7/14, 7/20, 8/11, 9/1, 9/8, 9/15, 9/29, 10/13)	
Martin			1 HJV (7/2) 1 SLEV (9/24) 4 WNV (9/2, 9/17)	
Manatee	2 dengue (September, October)		20 WNV (7/28, 8/24, 9/7, 9/21, 9/28, 10/5, 10/12)	
Miami-Dade	1 chikungunya (August) 9 dengue (July (6), August (2), September)			
Nassau			1 WNV (9/22)	
Okeechobee		1 WNV (9/27)		
Orange	9 dengue (August (3), September (2), October (4))		7 EEEV (4/21, 5/12, 6/2, 6/29, 7/7, 9/8, 9/15) 2 HJV (5/4, 9/8) 18 WNV (2/23, 7/27, 8/10, 8/17, 8/31, 9/8, 9/15, 9/21, 9/28, 9/29, 10/12)	
Osceola		1 EEEV (7/1)		
Palm Beach	1 dengue (July)		1 HJV (3/23) 17 WNV (3/9, 6/16, 8/24, 9/8, 9/21, 9/29, 10/5)	
Pasco	4 dengue (August (2), September (2))		58 WNV (4/20, 7/13, 7/20, 7/27, 8/3, 8/10, 8/18, 8/24, 8/31, 9/4,	1 DENV-2 mosquito pool (*Ae.*

County	Humans	Equines	Sentinel Chickens	Other
			9/14, 9/21, 9/28, 10/5, 10/13)	*aegypti* 9/16)
Pinellas	67 dengue (August (9), September (44), October (14))		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) 10 WNV (8/10, 9/4, 9/11, 9/21, 9/25, 9/28, 10/2, 10/12)	
Putnam			1 EEEV (8/4)	
Sarasota	1 WNV (October)		10 WNV (8/11, 8/17, 9/8, 9/15, 9/22, 10/13)	
Seminole	2 dengue (October)	1 EEEV (6/16)	1 HJV (7/6)	
Sumter			5 WNV (9/1, 9/8, 9/22, 9/28, 10/13)	
St. Johns			2 EEEV (4/27, 5/26) 1 WNV (9/8)	
St. Lucie			6 WNV (8/26, 9/10, 9/16, 9/24, 10/7, 10/8)	
Suwannee		1 WNV (8/28)		
Volusia		1 EEEV (3/14)	4 EEEV (2/23, 3/23, 10/5) 3 HJV (3/30, 7/6, 9/28) 3 WNV (1/26, 3/16, 10/12)	
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) 67 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, 10/12)	
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.