Florida Arbovirus Surveillance
Week 37: September 13-19, 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 September 13-19, 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. Forty sentinel chickens tested positive for antibodies to WNV in Bay, Brevard, Hillsborough, Manatee, Martin, Orange, Palm Beach, Pasco, Pinellas, Polk, Sarasota, and Sumter counties. In 2026, positive samples from three symptomatic humans, two asymptomatic blood donors, 172 sentinel chickens, one horse, and eight mosquito pools have been reported from 21 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, one sentinel chicken has been reported from one county.

EEEV activity: No human cases of EEEV infection were reported this week. No horses with EEEV infection were reported this week. No sentinel chickens tested positive for antibodies to EEEV this week. In 2026, positive samples from 42 sentinel chickens and seven horses have been reported from 16 counties.

International Travel-Associated Dengue: Twenty-six cases of dengue were reported this week. In 2026, 212 travel-associated dengue cases have been reported.

Dengue Cases Acquired in Florida: Thirty-eight cases of locally acquired dengue were reported this week. In 2026, 190 cases of locally acquired dengue and 17 mosquito pools have been reported from six counties.

International Travel-Associated Chikungunya Fever Cases: Six cases of chikungunya fever were reported this week. In 2026, 72 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 August 29, 2026: Alachua, Brevard, Leon, Palm Beach, Pasco, and Walton counties are currently under a mosquito-borne illness advisory. Duval, Hillsborough, Miami-Dade, Orange, 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	Africa	Americas	Asia	Africa and Middle East
Kenya	Bolivia	Bangladesh	Colombia	Mauritius	Bolivia	Indonesia	Mayotte
	Colombia	Cambodia			Costa Rica		Yemen
	Costa Rica	Malaysia			French Guiana		
		Maldives			Nicaragua		
		Marshall Islands			Suriname		
		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

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

2026 International Travel-Associated Chikungunya Cases: Seventy-two 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 (42), Monroe (2), Okaloosa, Orange (3), Osceola, Palm Beach (4), Pinellas, and Seminole. Countries of origin were Bolivia (2), Brazil (2), Cameroon, Cuba (49), Guyana, Nicaragua (15), 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 twelve 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 (18), Collier (2), Duval (2), Hillsborough (12), Lake, Lee (8), Manatee, Marion, Miami-Dade (126), Monroe, Orange (5), Osceola, Palm Beach (12), Pinellas (2), Polk (4), Sarasota, Seminole (3), St. Johns, St. Lucie (6), and Walton. Three cases were reported in non-Florida residents. In 2026, 185 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		2	1		3	7
Cuba		148	3	1	1	19	172
Dominican Republic		1				2	3
El Salvador			2				2
Guatemala			1				1
Guyana		2				1	3
India	2	1	1				4
Indonesia		1					1
Mexico			1			1	2
Nicaragua	1		4			1	6
Peru			3				3

Country of Exposure	DENV-1	DENV-2	DENV-3	DENV-4	DENV-2/ DENV 3	Unknown	Total
Philippines		1					1
Puerto Rico			4				4
Vietnam		1					1
Total	**4**	**156**	**22**	**2**	**1**	**27**	**212**

2026 Dengue Cases Acquired in Florida: In 2026, 190 cases of locally acquired dengue have been reported in Hillsborough (170), Miami-Dade (7), Orange (3), Palm Beach, Pasco (2), and Pinellas (7) with onset in July (21), August (139), and September (30). One hundred seventy-one 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
Hillsborough	154		16	170
Miami-Dade	4	2	1	7
Orange	1		2	3
Palm Beach	1			1
Pasco	2			2
Pinellas	7			7
Total	**169**	**2**	**19**	**190**

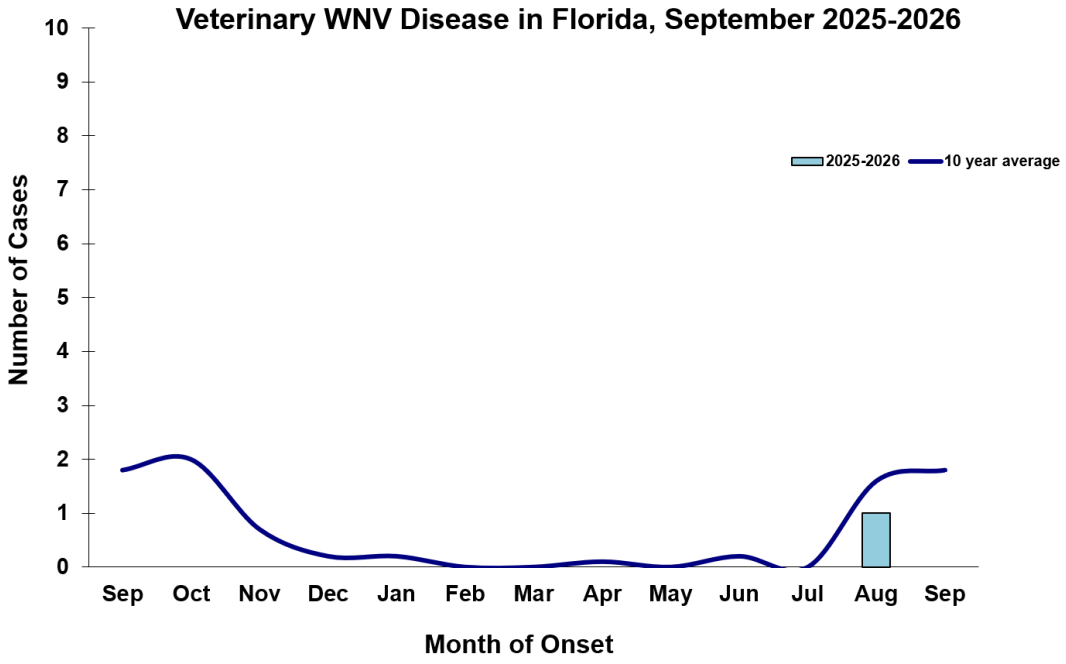
2026 International Travel-Associated Malaria Cases: Thirty-eight cases with onset in 2026 have been reported in individuals with travel history to a malaria-endemic area. Counties reporting cases were: Alachua (2), Broward (6), Duval (5), Hernando, Hillsborough (4), Lee (2), Leon, Marion, Martin, Miami-Dade (5), Orange (4), Palm Beach, Pasco, Pinellas, Polk, Seminole, 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.

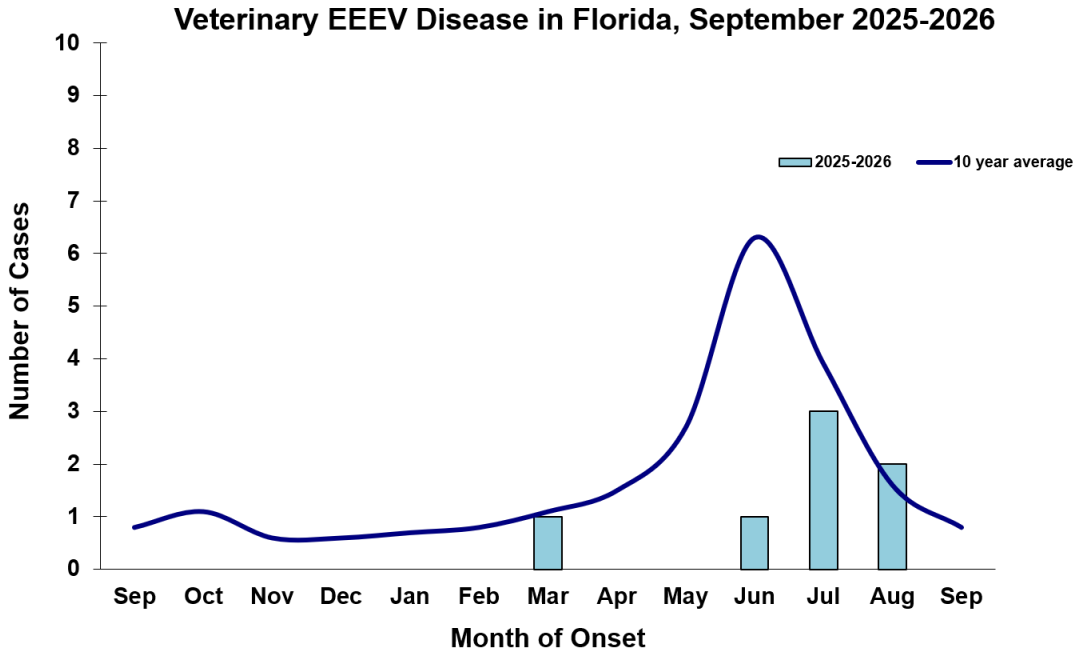
Country of Exposure	*Plasmodium falciparum*	*Plasmodium ovale*	*Plasmodium vivax*	Total
Benin	1			1
Cameroon	2	1		3
Côte d'Ivoire	3			3
Gabon	1			1
Gambia/Sierra Leona	1			1
Ghana	2			2
India			1	1
Kenya	3			3
Liberia	3			3
Malawi	1			1
Nigeria	10			10
Pakistan			1	1
Papua New Guinea			1	1
Sudan	1			1
Tanzania	2			2
Togo	1			1
Uganda	1	1		2
Zambia	1			1
Total	**33**	**2**	**3**	**38**

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.



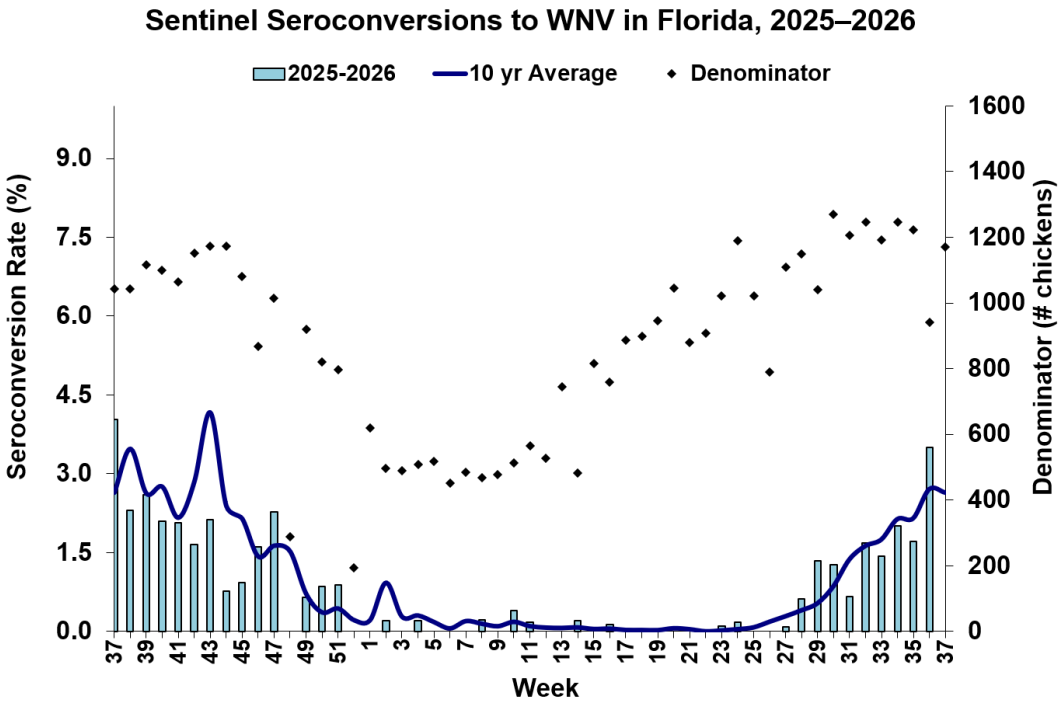


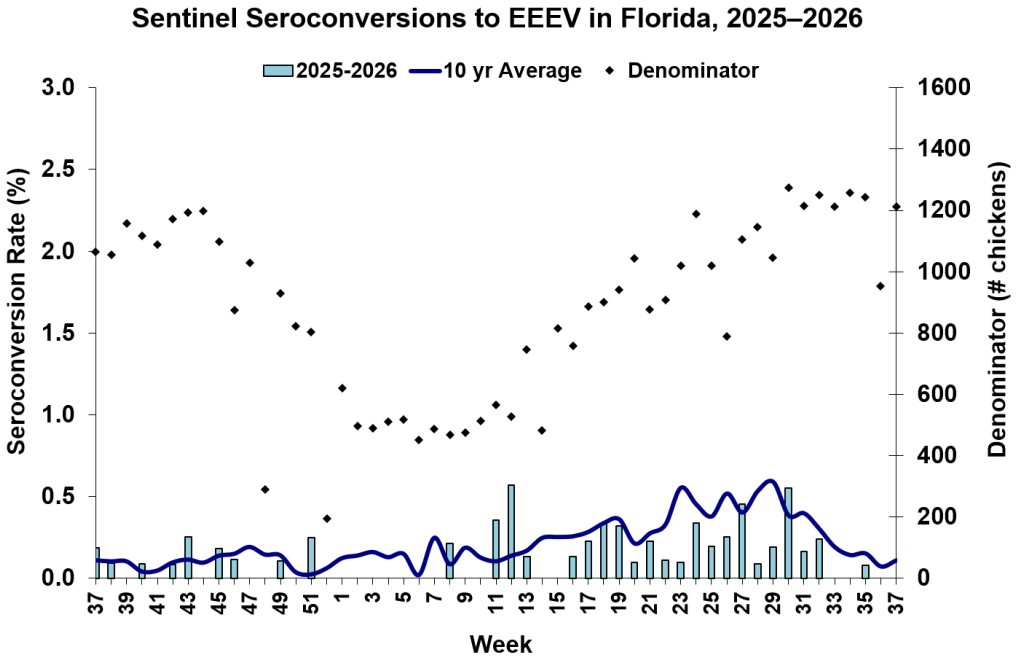
Sentinel Chickens

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 sentinel chickens tested positive for antibodies to WNV in Bay, Brevard, Hillsborough, Manatee, Martin, Orange, Palm Beach, Pasco, Pinellas, Polk, Sarasota, and Sumter counties.

County	Collection Date	Seroconversion Rates (%)						County Totals	
		Flavi	SLEV	WNV	Alpha	EEEV	HJV	Collection Week	YTD
Bay	9/8/2026	17.65		17.65				3 WNV	7 WNV
Brevard	9/3/2026	4.84		4.84				3 WNV	3 EEEV, 1 SLEV, 10 WNV
Hillsborough	9/8/2026	21.43		21.43				6 WNV	2 EEEV, 19 WNV
Manatee	9/7/2026	4.92		4.92				1 WNV	4 WNV
Martin	9/2/2026	2.38		2.38				1 WNV	1 HJV, 1 WNV
Orange	9/8/2026	3.54		3.54				4 WNV	5 EEEV, 1 HJV, 11 WNV
Palm Beach	8/24/2026 9/8/2026	6.25 3.13		6.25 3.13				2 WNV 1 WNV	1 HJV, 6 WNV
Pasco	9/8/2026	10.42		10.42				5 WNV	29 WNV
Pinellas	9/8/2026	21.15		21.15				11 WNV	28 WNV
Polk	9/4/2026	2.17		2.17				1 WNV	1 EEEV, 2 WNV
Sarasota	9/8/2026	1.39		1.39				1 WNV	4 WNV
Sumter	9/8/2026	4.55		4.55				1 WNV	1 WNV





Mosquito Pools

One mosquito pool tested positive for WNV in Bay County. One mosquito pool tested positive for dengue in Pasco County.

County	Collection Date	Result	Species	County YTD
Bay	9/16/2026	1 WNV	*Cx. quinquefasciatus*	1
Pasco	9/16/2026	1 DENV-2	*Aedes aegypti*	1

Dead Birds

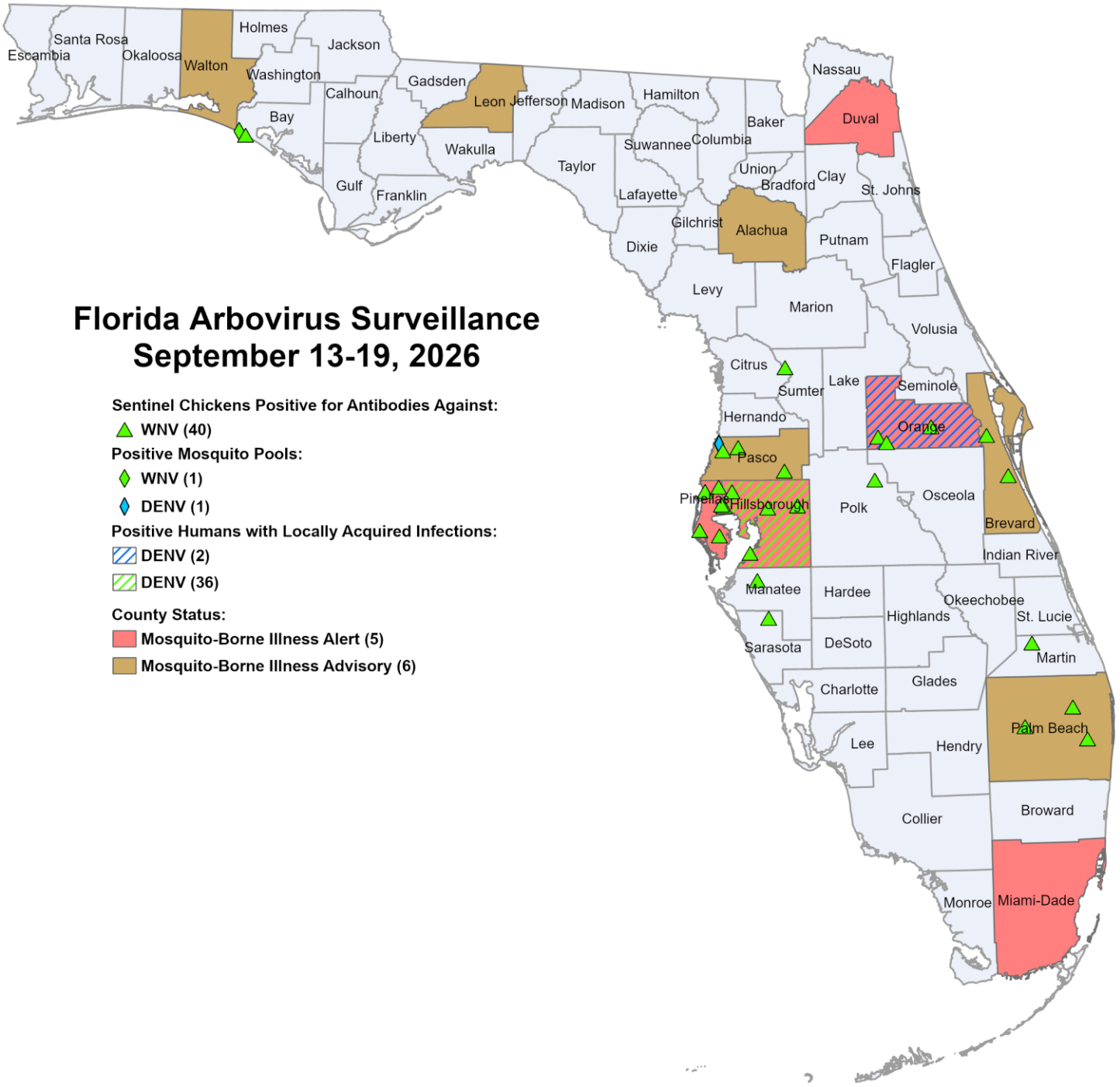
The Fish and Wildlife Conservation Commission (FWC) collects reports of dead birds, which can be an indication of arbovirus circulation in an area. This week, 20 reports representing a total of 40 dead birds, including one crow, were received from 12 counties.

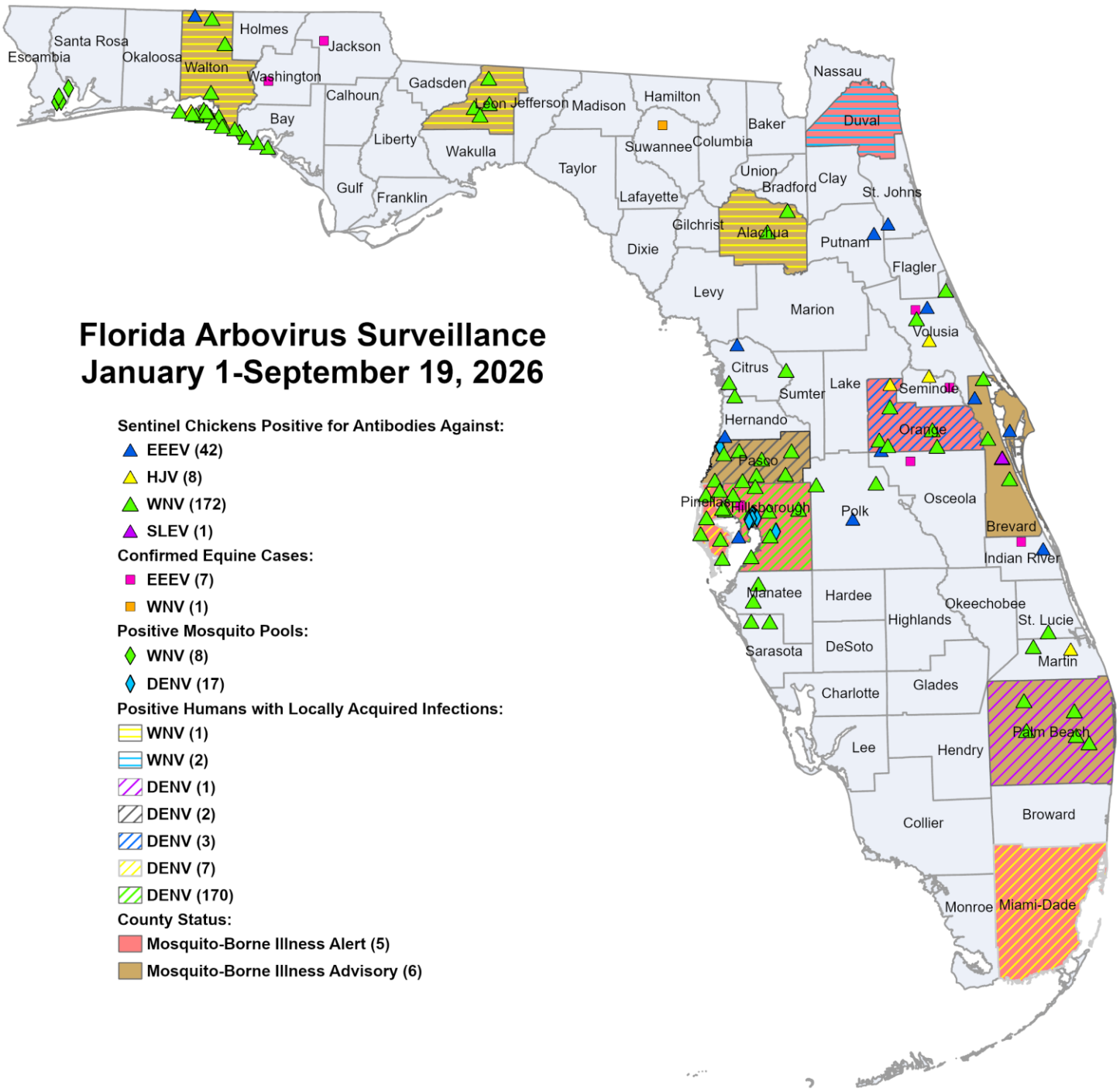
In 2026, 1404 reports representing a total of 3254 dead birds (73 crows, 29 jays, 402 raptors, 156 doves) were received from 52 of Florida's 67 counties.

2026

County	Total Dead Birds	Crows	Jays	Raptors	Doves
Brevard	16	0	0	0	0
Broward	2	0	0	0	0
Collier	3	0	0	0	0
Duval	8	0	0	0	0
Lee	1	0	0	0	0
Leon	1	0	0	0	0
Miami-Dade	1	0	0	0	0
Monroe	2	0	0	0	0
Palm Beach	2	0	0	0	0
Pinellas	2	1	0	0	0
Polk	1	0	0	0	0
Seminole	1	0	0	0	0

Maps


Florida Arbovirus Surveillance
September 13-19, 2026
Sentinel Chickens Positive for Antibodies Against:
WNV (40)
Positive Mosquito Pools:
WNV (1)
DENV (1)
Positive Humans with Locally Acquired Infections:
DENV (2)
DENV (36)
County Status:
Mosquito-Borne Illness Alert (5)
Mosquito-Borne Illness Advisory (6)
Escambia
Santa Rosa
Okaloosa
Walton
Holmes
Washington
Jackson
Bay
Calhoun
Gadsden
Liberty
Leon
Jefferson
Wakulla
Madison
Taylor
Hamilton
Suwannee
Columbia
Baker
Nassau
Duval
Union
Bradford
Clay
St. Johns
Gulf
Franklin
Lafayette
Gilchrist
Alachua
Dixie
Putnam
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
Collier
Broward
Monroe
Miami-Dade



2026 Mosquito-Borne Disease Activity by County

County	Humans	Equines	Sentinel Chickens	Other
Alachua	1 WNV (May)		1 EEEV (8/4) 2 WNV (7/22, 8/18)	
Bay			7 WNV (1/12, 7/20, 7/27, 8/31, 9/8)	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) 10 WNV (7/16, 7/24, 7/31, 8/20, 9/3)	
Citrus			1 EEEV (3/17) 2 WNV (8/24, 9/1)	
Duval	1 asymptomatic WNV blood donor (August) 1 WNV (August)			
Escambia				7 WNV mosquito pools (*Cx. quinquefasciatus* 7/7, 8/4)
Hillsborough	170 dengue (July (14), August (126), September (30))	1 EEEV (7/21)	2 EEEV (5/11, 7/27) 19 WNV (7/20, 7/27, 8/3, 8/6, 8/24, 8/31, 9/8)	16 DENV-2 mosquito pools (*Ae. aegypti* 8/6, 8/11, 8/13, 8/20, 8/25, 8/26, 8/27, 9/1)
Hernando			1 EEEV (8/31)	
Indian River		1 EEEV (8/20)	1 EEEV (6/12)	
Jackson		1 EEEV (7/27)		
Leon	1 asymptomatic WNV blood donor (July)		8 WNV (7/14, 7/20, 8/11, 9/1)	
Martin			1 HJV (7/2) 1 WNV (9/2)	
Miami-Dade	1 chikungunya (August) 7 dengue (July (6), August)			
Manatee			4 WNV (7/28, 8/24, 9/7)	
Orange	3 dengue (August)		5 EEEV (4/21, 5/12, 6/2, 6/29, 7/7) 1 HJV (5/4) 11 WNV (2/23, 7/27, 8/10, 8/17, 8/31, 9/8)	
Osceola		1 EEEV (7/1)		
Palm Beach	1 dengue (July)		1 HJV (3/23) 6 WNV (3/9, 6/16, 8/24, 9/8)	
Pasco	2 dengue (August)		29 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. aegypti* 9/16)
Pinellas	7 dengue (August)		28 WNV (6/8, 6/15, 7/13, 7/27, 8/3, 8/10, 8/17, 8/31, 9/1, 9/8)	
Polk			1 EEEV (5/18) 2 WNV (8/10, 9/4)	
Putnam			1 EEEV (8/4)	
Sarasota			4 WNV (8/11, 8/17, 9/8)	
Seminole		1 EEEV (6/16)	1 HJV (7/6)	
Sumter			1 WNV (9/8)	
St. Johns			2 EEEV (4/27, 5/26)	
St. Lucie			1 WNV (8/26)	
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)	

County	Humans	Equines	Sentinel Chickens	Other
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) 35 WNV (4/6, 7/13, 7/20, 7/27, 8/3, 8/10, 8/17, 8/24, 8/31, 9/1)	
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.