

Florida Arbovirus Surveillance

Week 33: August 16-22, 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 August 16-22, 2026, the following arboviral activity was recorded in Florida.

WNV activity: One human case of WNV infection was reported in Walton County. No horses with WNV infection were reported this week. Twenty-two sentinel chickens tested positive for antibodies to WNV in Bay, Brevard, Hillsborough, Manatee, Pasco, Pinellas, Polk, Sarasota, and Walton counties. In 2026, positive samples from two symptomatic humans, one asymptomatic blood donor, 68 sentinel chickens, and seven mosquito pools have been reported from 15 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. Five sentinel chickens tested positive for antibodies to EEEV in Alachua, Putnam, and Walton counties. In 2026, positive samples from 41 sentinel chickens and five horses have been reported from 14 counties.

International Travel-Associated Dengue: Twenty-three cases of dengue were reported this week. In 2026, 109 travel-associated dengue cases have been reported.

Dengue Cases Acquired in Florida: Eighteen cases of locally acquired dengue were reported this week. In 2026, 41 cases of locally acquired dengue and 10 mosquito pools have been reported from four counties.

International Travel-Associated Chikungunya Fever Cases: Four cases of chikungunya fever were reported this week. In 2026, 54 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, no cases of locally acquired chikungunya fever have been reported.

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 8, 2026: Alachua, Leon, Palm Beach, Pasco and Walton counties are currently under a mosquito-borne illness advisory. Hillsborough, Miami-Dade, 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			Oropouche	Yellow Fever	Chikungunya		Zika	Malaria
Africa and Middle East	Americas	Asia and the Pacific Islands	Americas	Americas	Africa	Americas	Asia	Africa and Middle East
Kenya	Bolivia	Cambodia	Brazil	Colombia	Mauritius	Bolivia	Indonesia	Mayotte
	Colombia	Maldives	Cuba	Venezuela	Seychelles	Costa Rica		Yemen
		Malaysia	Panama			French Guiana		
		New Caledonia	Peru			Nicaragua		
		Samoa				Suriname		
		Sri Lanka						
		Tonga						
		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, two human cases of WNV illness acquired in Florida have been reported in Alachua (May) and Walton (July) counties. One asymptomatic blood donor has been reported in Leon County (July).

2026 International Travel-Associated Chikungunya Cases: Fifty-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 (2), Collier (2), Hernando, Hillsborough (8), Lee, Miami-Dade (28), Monroe (2), Okaloosa, Orange (2), Osceola, Palm Beach (4), and Pinellas. Countries of origin were Bolivia (2), Brazil (2), Cuba (40), Guyana, Nicaragua (7), Sri Lanka, and Surinam. One case was reported in a non-Florida resident.

2026 International Travel-Associated Dengue Cases: One hundred-nine 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: Bay, Brevard (2), Broward (12), Duval, Hillsborough (6), Lake, Lee (5), Manatee, Miami-Dade (60), Monroe, Orange (2), Osceola, Palm Beach (6), Pinellas, Polk (2), Sarasota, Seminole, St. Johns, St. Lucie (3), and Walton. Two cases were reported in non-Florida residents. In 2026, 94 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
Brazil		1					1
Colombia	1		2	1		2	6
Cuba		64	1	1	1	9	76
Dominican Republic		1				2	3
El Salvador			1				1
Guatemala			1				1
Guyana		2				1	3
India	1	1	1				3
Indonesia		1					1
Mexico			1			1	2
Nicaragua	1		4				5
Peru			3				3
Puerto Rico			4				4
Total	3	70	18	2	1	15	109

2026 Dengue Cases Acquired in Florida: In 2026, 41 cases of locally acquired dengue have been reported in Hillsborough (30), Miami-Dade (7), Palm Beach, and Pinellas (3) with onset in July (18), and August (23). Forty cases have been serotyped by PCR. Please see the table below for a breakdown of cases by county and serotype.

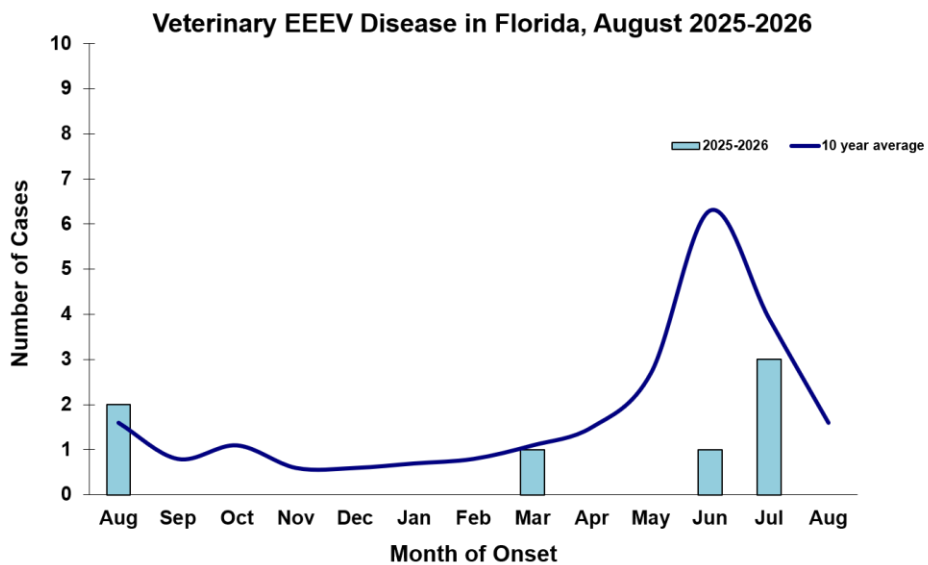
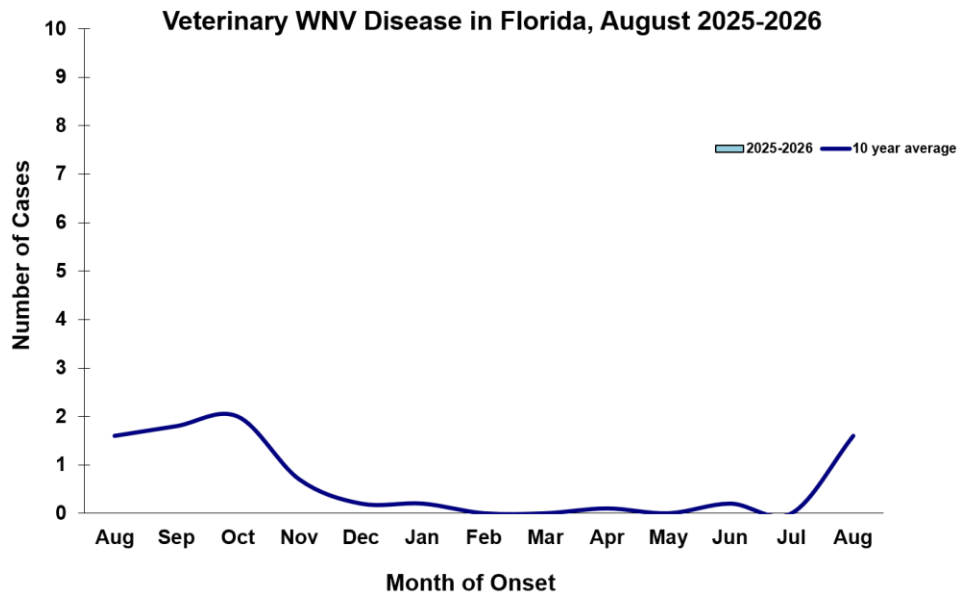
County of Exposure	DENV-2	DENV-3	Unknown	Total
Hillsborough	30			30
Miami-Dade	4	2	1	7
Palm Beach	1			1
Pinellas	3			3
Total	38	2	1	41

2026 International Travel-Associated Malaria Cases: Thirty-one 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 (4), Duval (5), Hernando, Hillsborough (4), Lee (2), Leon, Marion, Miami-Dade (4), Orange (2), Palm Beach, Pinellas, Polk, Seminole, and Washington. Three 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
Benin	1			1
Cameroon	2	1		3
Gabon	1			1
Gambia/Sierra Leona	1			1
Ghana	2			2
India			1	1
Kenya	2			2
Liberia	3			3
Malawi	1			1
Nigeria	8			8
Pakistan			1	1
Papua New Guinea			1	1
Sudan	1			1
Togo	1			1
Tanzania	2			2
Uganda	1	1		2
Total	26	2	3	31

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.



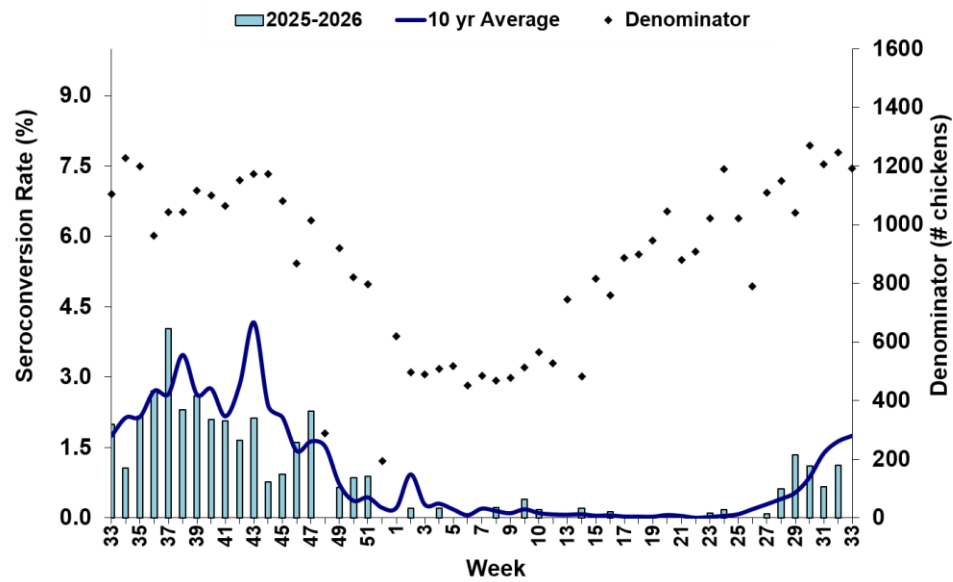
Sentinel Chickens

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.

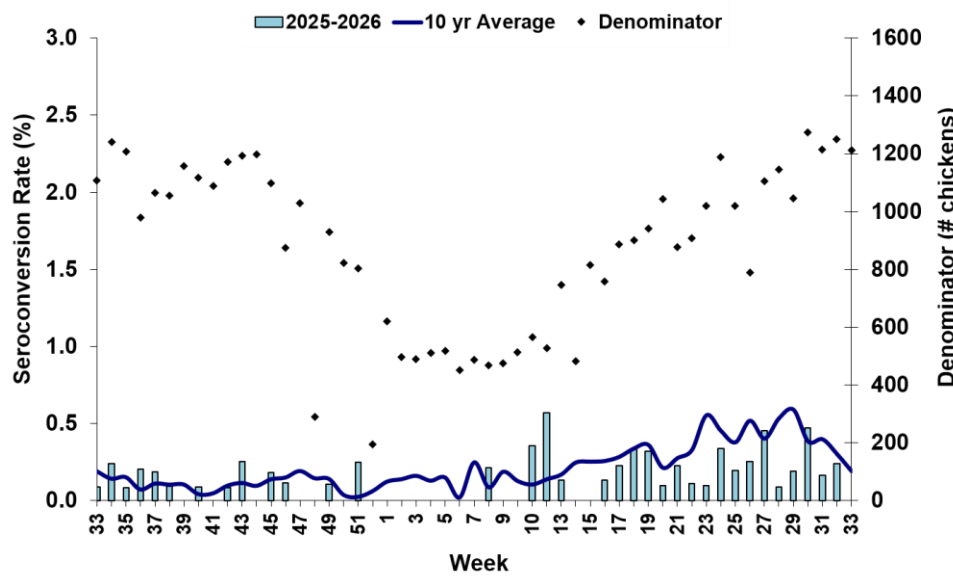
Twenty-two sentinel chickens tested positive for antibodies to WNV in Bay, Brevard, Hillsborough, Manatee, Pasco, Pinellas, Polk, Sarasota, and Walton counties. Five sentinel chickens tested positive for antibodies to EEEV in Alachua, Putnam, and Walton counties

County	Collection Date	Seroconversion Rates (%)						County Totals	
		Flavi	SLEV	WNV	Alpha	EEEV	HJV	Collection Week	YTD
Alachua	8/4/2026				6.25	6.25		1 EEEV	1 EEEV, 1 WNV
Bay	7/27/2026	5.88		5.88				1 WNV	3 WNV
Brevard	7/24/2026	1.49		1.49				1 WNV	3 EEEV, 1 SLEV, 2 WNV
Hillsborough	8/6/2026	4.44		4.44				2 WNV	2 EEEV, 7 WNV
Manatee	7/28/2026	1.52		1.52				1 WNV	1 WNV
Pasco	8/10/2026	10.20		10.20				5 WNV	13 WNV
Pinellas	7/27/2026	3.77		3.77				2 WNV	10 WNV
Pinellas	8/10/2026	1.96		1.96				1 WNV	
Polk	8/10/2026	2.08		2.08				1 WNV	1 EEEV, 1 WNV
Putnam	8/4/2026				7.69	7.69		1 EEEV	1 EEEV
Sarasota	8/11/2026	2.78		2.78				2 WNV	2 WNV
Walton	7/27/2026	1.09		1.09				1 WNV	
Walton	8/10/2026	6.10		6.10	3.66	3.66		3 EEEV, 5 WNV	21 EEEV, 1 HJV, 18 WNV

Sentinel Seroconversions to WNV in Florida, 2025–2026



Sentinel Seroconversions to EEEV in Florida, 2025–2026



Mosquito Pools

Four mosquito pools tested positive for dengue in Hillsborough County.

County	Collection Date	Result	Species	County YTD
Hillsborough	8/13/2026	4 DENV-2	<i>Aedes aegypti</i>	10
	8/20/2026	1-DENV-2	<i>Aedes aegypti</i>	

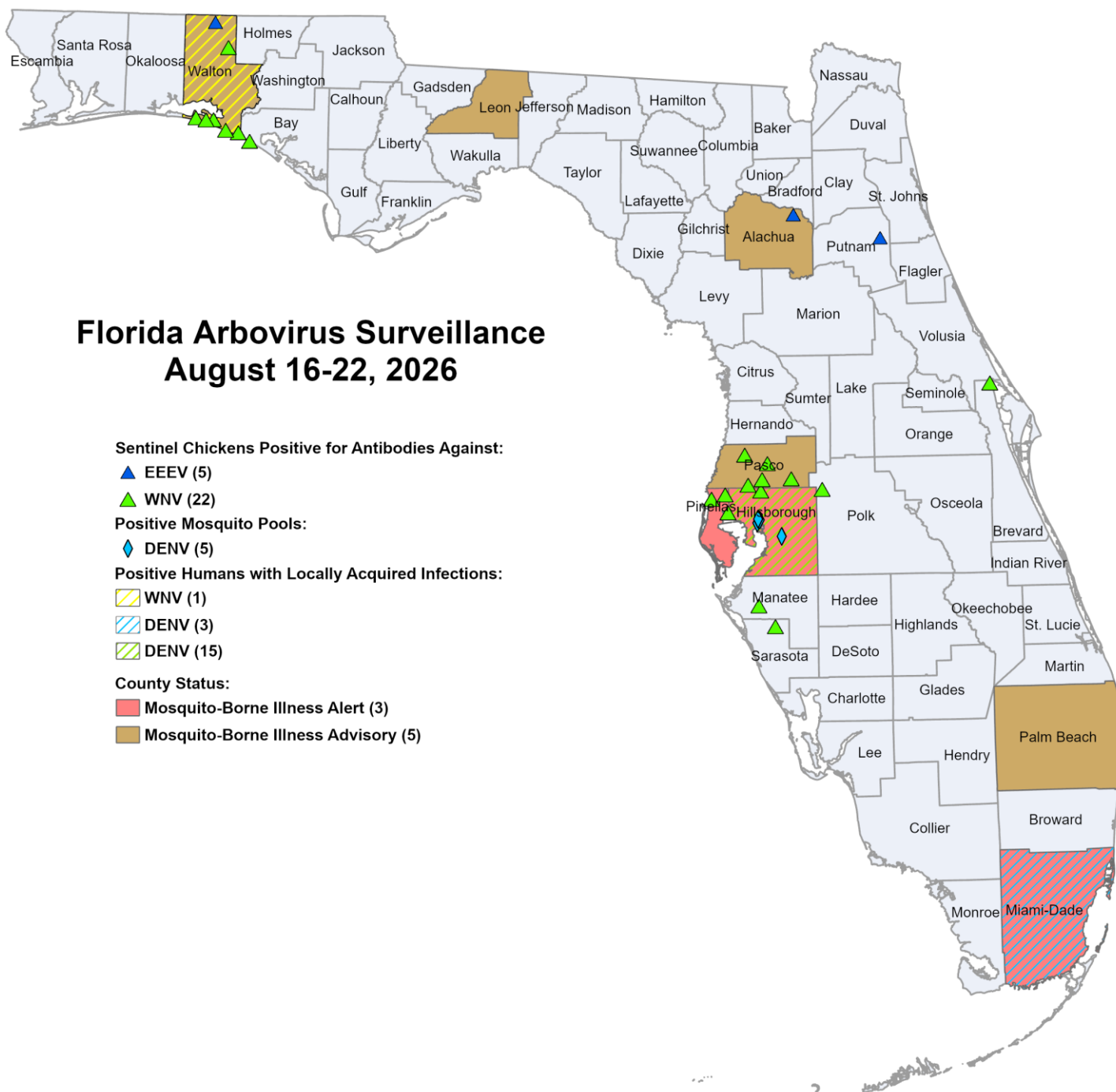
Dead Birds

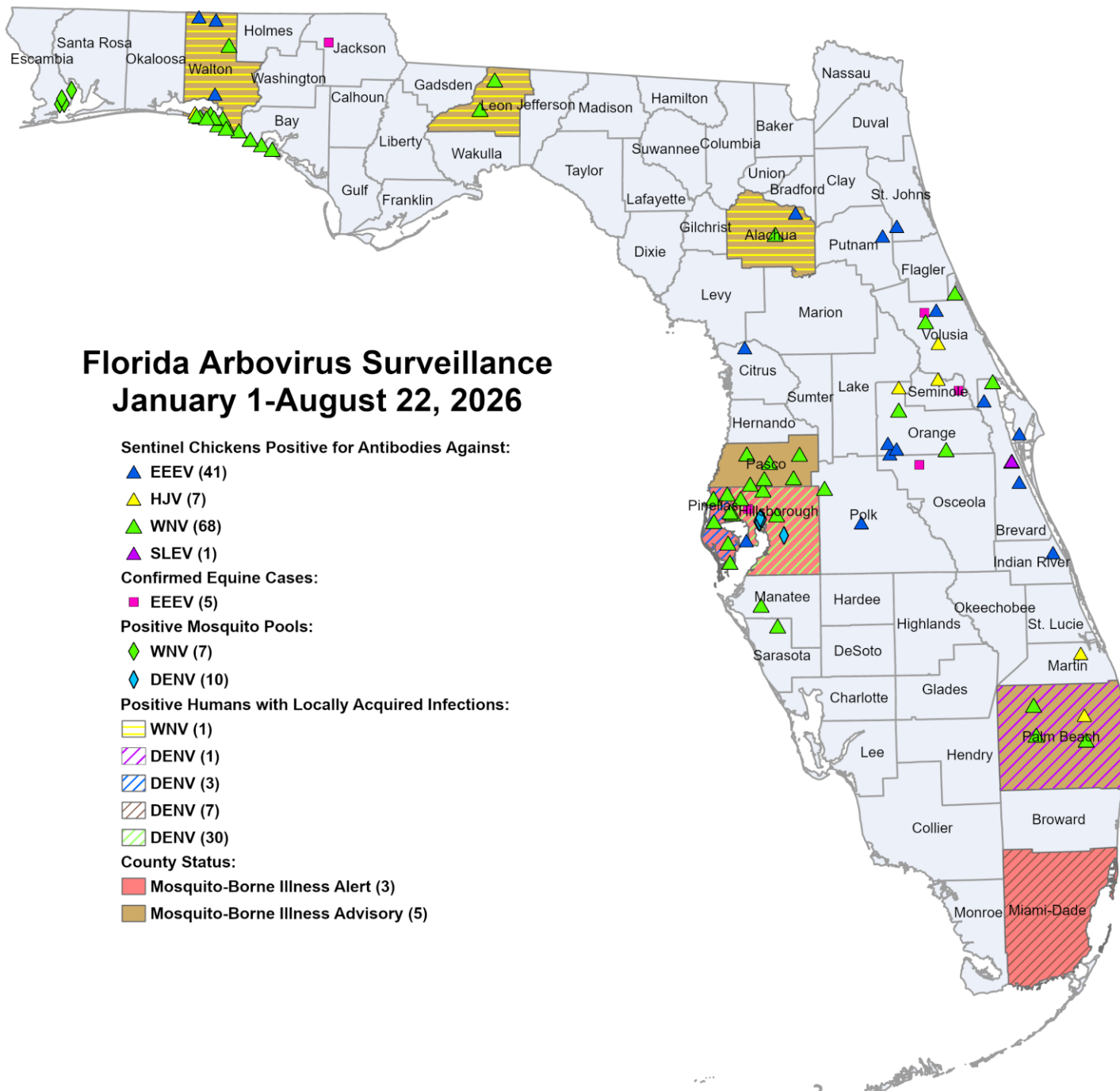
The Fish and Wildlife Conservation Commission (FWC) collects reports of dead birds, which can be an indication of arbovirus circulation in an area. This week, 24 reports representing a total of 40 dead birds, including one jay, eight raptors, and two doves were received from 17 counties.

In 2026, 1308 reports representing a total of 3094 dead birds (60 crows, 28 jays, 388 raptors, 151 doves) were received from 52 of Florida's 67 counties.

2026

County	Total Dead Birds	Crows	Jays	Raptors	Doves
Alachua	1	0	0	0	0
Brevard	2	0	0	0	2
Broward	2	0	1	0	0
Hernando	1	0	0	0	0
Highlands	1	0	0	1	0
Hillsborough	6	0	0	0	0
Lee	3	0	0	0	0
Manatee	1	0	0	0	0
Nassau	1	0	0	0	0
Okaloosa	3	0	0	0	0
Okeechobee	7	0	0	7	0
Palm Beach	3	0	0	0	0
Pinellas	2	0	0	0	0
Polk	1	0	0	0	0
Seminole	2	0	0	0	0
St. Johns	2	0	0	0	0
Walton	2	0	0	0	0





2026 Mosquito-Borne Disease Activity by County

County	Humans	Equines	Sentinel Chickens	Other
Alachua	1 WNV (May)		1 EEEV (8/4) 1 WNV (7/22)	
Bay			3 WNV (1/12, 7/20, 7/27)	
Brevard			3 EEEV (3/19, 5/14, 6/25) 1 SLEV (7/8) 2 WNV (7/16, 7/24)	

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

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.