

Florida Arbovirus Surveillance

Week 39: September 27-October 3, 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 27-October 3, 2026, the following arboviral activity was recorded in Florida.

WNV activity: One human case of WNV infection was reported in Holmes County. One horse with WNV infection was reported in Okeechobee County. Forty-two sentinel chickens tested positive for antibodies to WNV in Alachua, Bay, Duval, Hillsborough, Indian River, Manatee, Martin, Nassau, Orange, Palm Beach, Pasco, Pinellas, Polk, Sarasota, St. Lucie, and Walton counties. In 2026, positive samples from five symptomatic humans, two asymptomatic blood donors, 277 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. 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. One sentinel chicken tested positive for antibodies to EEEV in Orange County. In 2026, positive samples from 44 sentinel chickens and seven horses have been reported from 17 counties.

International Travel-Associated Dengue: Seventeen cases of dengue were reported this week. In 2026, 262 travel-associated dengue cases have been reported.

Dengue Cases Acquired in Florida: Forty-four cases of locally acquired dengue were reported this week. In 2026, 296 cases of locally acquired dengue and 20 mosquito pools have been reported from eight counties.

International Travel-Associated Chikungunya Fever Cases: Two cases of chikungunya fever were reported this week. In 2026, 78 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 3, 2026: 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	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		
	Cuba	Maldives			Nicaragua		
	Ecuador	Marshall Islands			Suriname		
	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

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 International Travel-Associated Chikungunya Cases: Seventy-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 (2), Hernando, Hillsborough (8), Lee, Miami-Dade (48), Monroe (2), Okaloosa, Orange (3), Osceola, Palm Beach (4), Pinellas, and Seminole. Countries of origin were Bolivia (2), Brazil (2), Cameroon, Cuba (52), Guyana, Nicaragua (18), 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 sixty-two 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 (3), Duval (2), Hendry, Hillsborough (13), Lake, Lee (12), Manatee (2), Marion, Miami-Dade (160), 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, 229 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		184	3	2	1	25	215
Dominican Republic		2				2	4
Ecuador			1				1
El Salvador			3				3
Guatemala			1				1
Guyana		2				1	3
India	2	3	1				6
Indonesia		1					1
Mexico			1			1	2
Nicaragua	1		5			1	7

Country of Exposure	DENV-1	DENV-2	DENV-3	DENV-4	DENV-2/ DENV 3	Unknown	Total
Peru			3				3
Philippines		1					1
Puerto Rico			4				4
Vietnam		1					1
Total	4	196	25	3	1	33	262

2026 Dengue Cases Acquired in Florida: In 2026, 296 cases of locally acquired dengue have been reported in Broward, Hillsborough (259), Miami-Dade (8), Orange (3), Palm Beach, Pasco (3), Pinellas (20), and Polk with onset in July (21), August (154), and September (121). One case was reported in a non-Florida resident. In 2016, 275 cases have been serotyped by PCR. Please see the table below for a breakdown of cases by county and serotype.

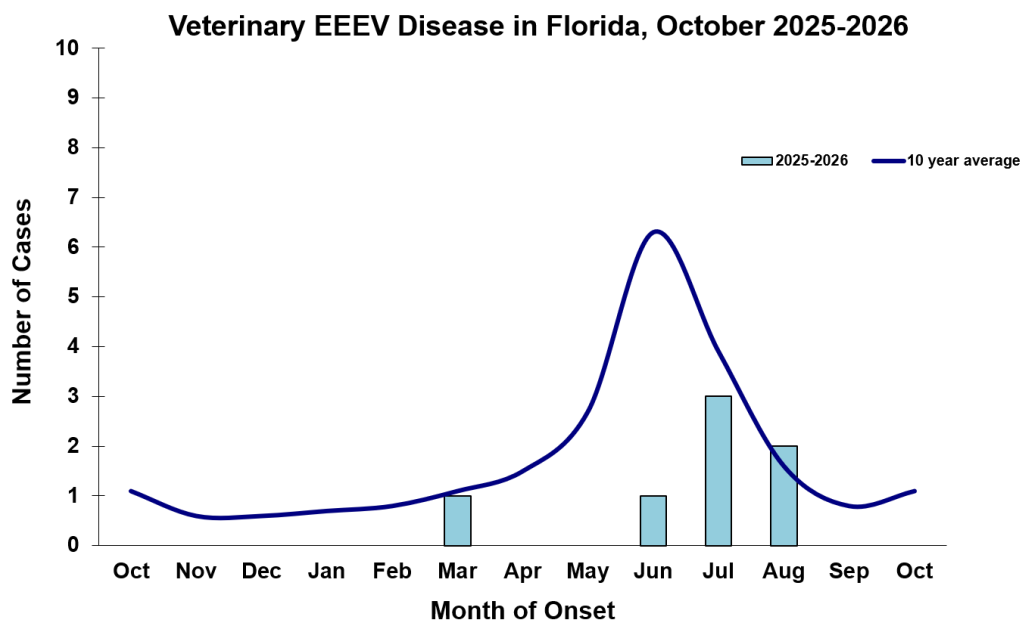
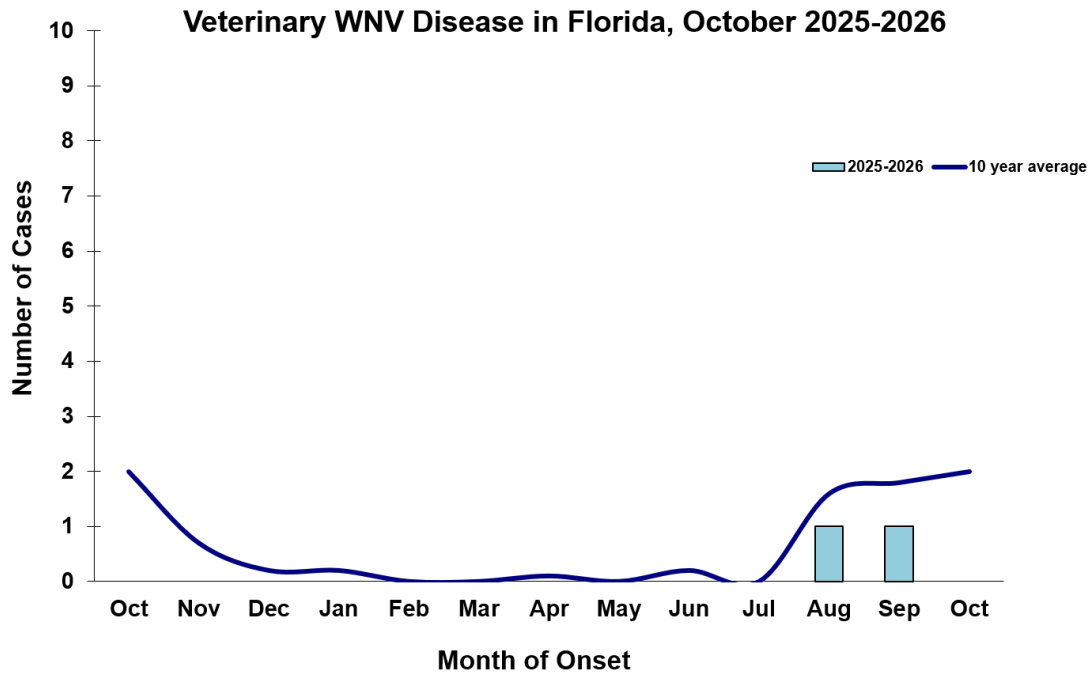
County of Exposure	DENV-2	DENV-3	Unknown	Total
Broward	1			1
Hillsborough	241		18	259
Miami-Dade	5	2	1	8
Orange	1		2	3
Palm Beach	1			1
Pasco	3			3
Pinellas	20			20
Polk	1			1
Total	273	2	21	296

2026 International Travel-Associated Malaria Cases: Forty-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 (7), Duval (5), Hernando, Hillsborough (5), Lee (2), Leon, Marion, Martin, Miami-Dade (5), Orange (4), Palm Beach, Pasco, Pinellas (2), 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	<i>Plasmodium falciparum</i>	<i>Plasmodium ovale</i>	<i>Plasmodium vivax</i>	Total
Africa			1	1
Benin	1			1
Cameroon	2	1		3
Côte d'Ivoire	3			3
Gabon	1			1
Gambia/Sierra Leona	1			1
Ghana	3			3
India			1	1
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	35	2	4	41

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 Okeechobee County.



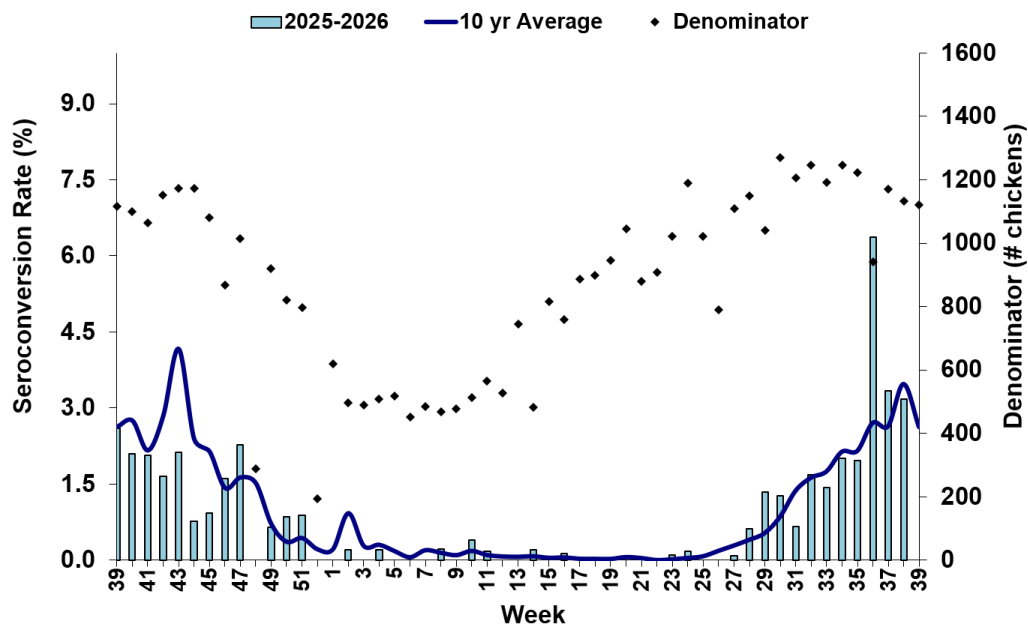
Sentinel Chickens

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.

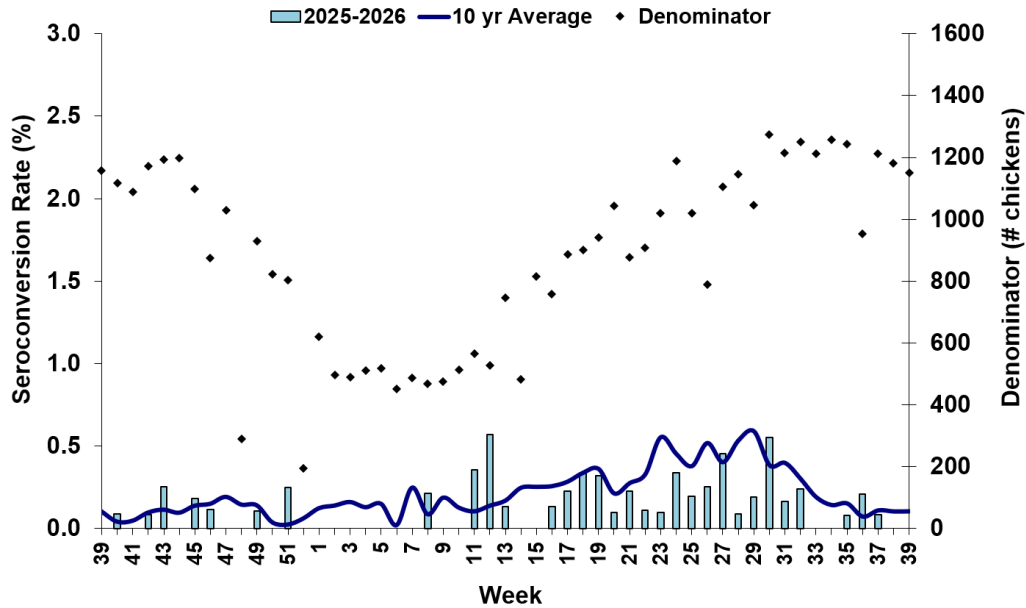
Forty-two sentinel chickens tested positive for antibodies to WNV in Alachua, Bay, Duval, Hillsborough, Indian River, Manatee, Martin, Nassau, Orange, Palm Beach, Pasco, Pinellas, Polk, Sarasota, St. Lucie, and Walton counties. One sentinel chicken tested positive for antibodies to EEEV in Orange County. One sentinel chicken tested positive for antibodies to HJV in Orange County.

County	Collection Date	Seroconversion Rates (%)						County Totals	
		Flavi	SLEV	WNV	Alpha	EEEV	HJV	Collection Week	YTD
Alachua	9/15/2026	5.88		5.88				1 WNV	1 EEEV, 7 WNV
Bay	9/21/2026	15.38		15.38				2 WNV	10 WNV
Duval	9/22/2026	5.88		5.88				2 WNV	3 WNV
Hillsborough	9/23/2026	8.70		8.70				2 WNV	2 EEEV, 22 WNV
Indian River	9/16/2026	2.08		2.08				1 WNV	1 EEEV, 5 WNV
Manatee	9/21/2026	9.68		9.68				6 WNV	10 WNV
Martin	9/17/2026	7.32		7.32				3 WNV	1 HJV, 4 WNV
Nassau	9/22/2026	16.67		16.67				1 WNV	1 WNV
Orange	9/8/2026				1.77	0.88	0.88	1 EEEV, 1 HJV	6 EEEV, 2 HJV, 15 WNV
	9/21/2026	0.92		0.92				1 WNV	
Palm Beach	9/21/2026	18.75		18.75				6 WNV	1 HJV, 13 WNV
Pasco	9/21/2026	7.32		7.32				3 WNV	39 WNV
Pinellas	9/21/2026	8.82		8.82				3 WNV	43 WNV
Polk	9/21/2026	4.26		4.26				2 WNV	1 EEEV, 4 WNV
Sarasota	9/22/2026	5.71		5.71				4 WNV	9 WNV
St. Lucie	9/16/2026	2.13		2.13				1 WNV	3 WNV
Walton	9/21/2026	5.33		5.33				4 WNV	21 EEEV, 2 HJV, 56 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
-	-	-	-	-

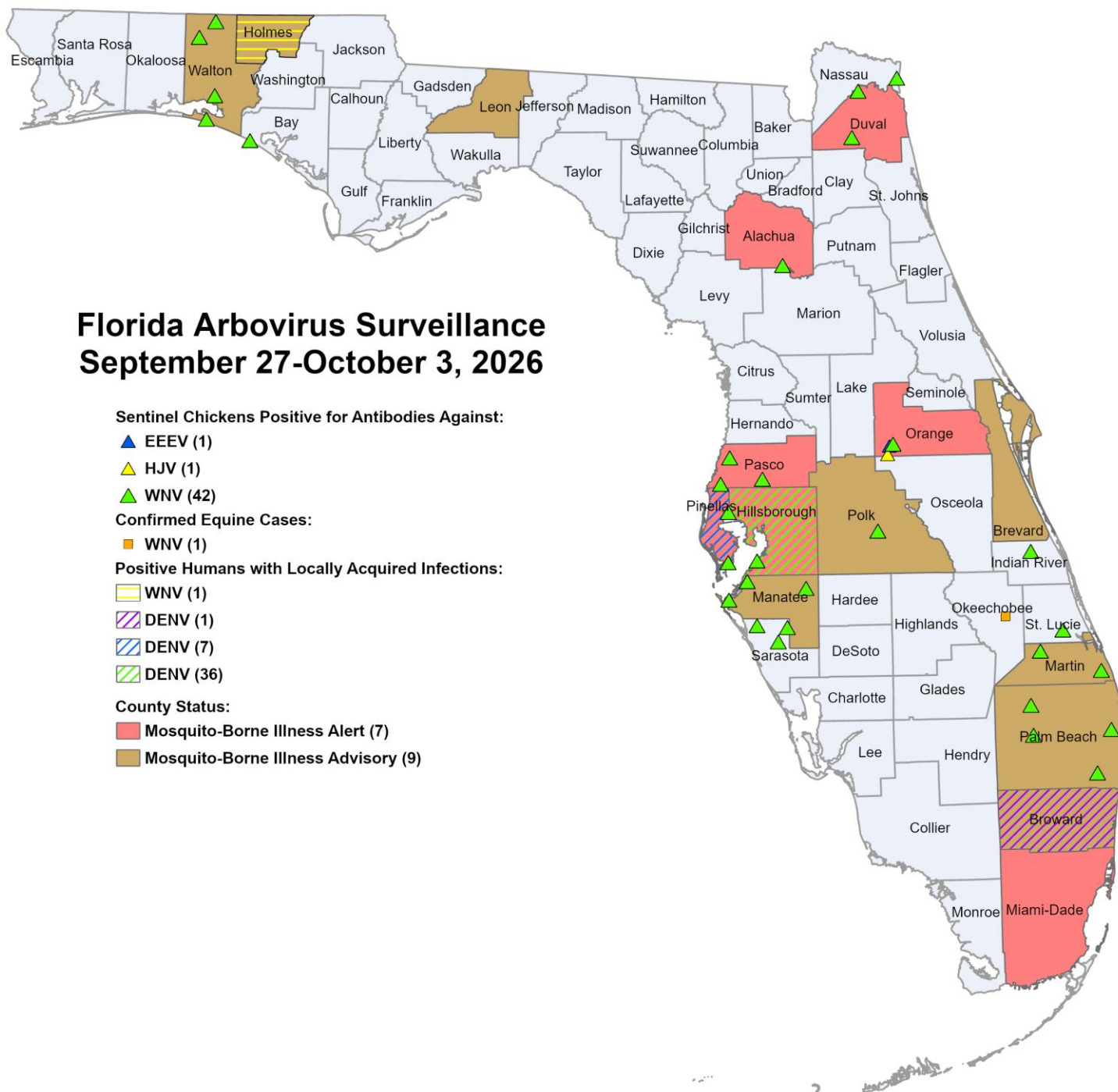
Dead Birds

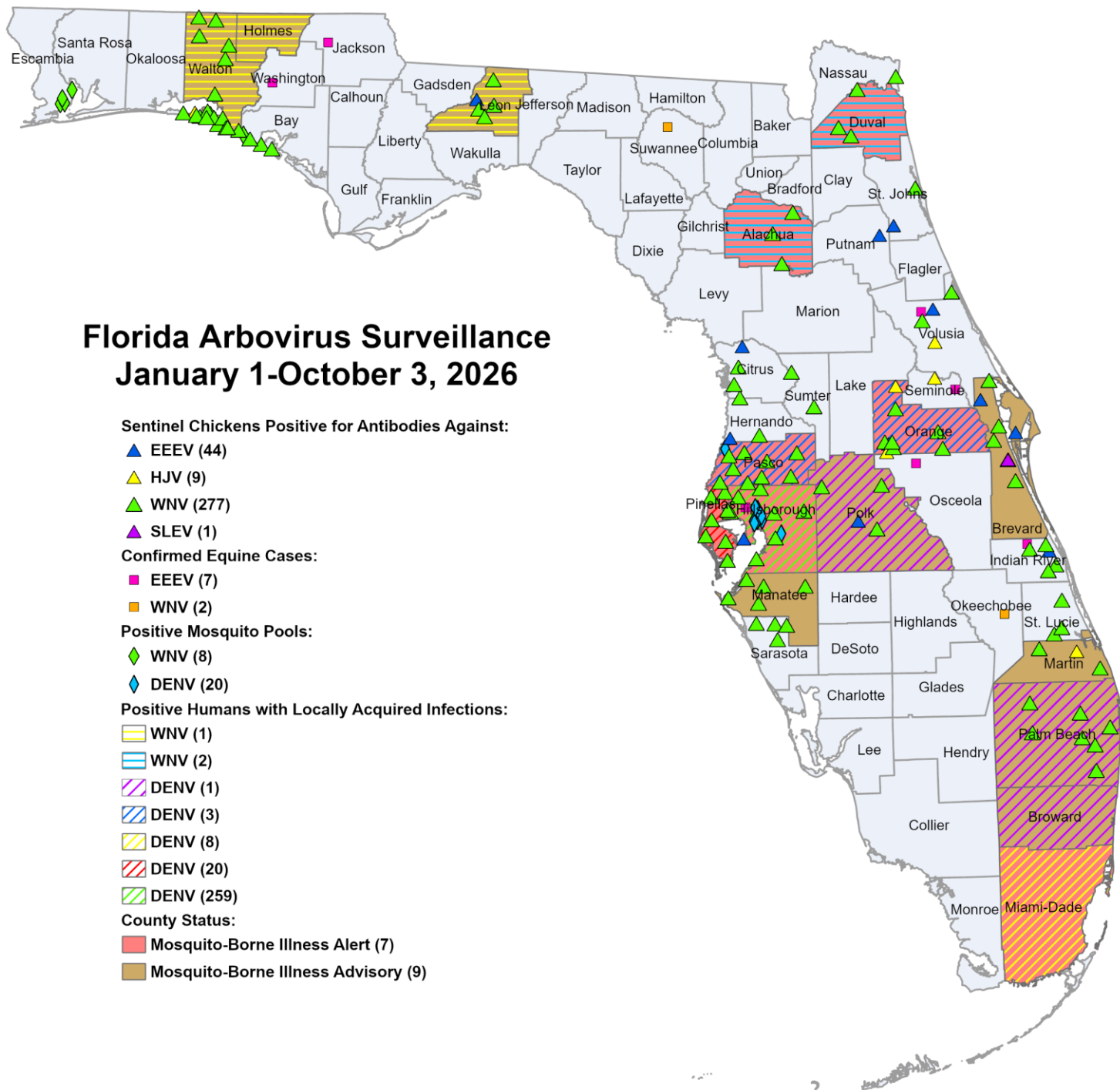
The Fish and Wildlife Conservation Commission (FWC) collects reports of dead birds, which can be an indication of arbovirus circulation in an area. This week, 24 reports representing a total of 56 dead birds, including two crows and two raptors, were received from 14 counties.

In 2026, 1460 reports representing a total of 3368 dead birds (77 crows, 29 jays, 410 raptors, 169 doves) were received from 53 of Florida's 67 counties.

2026

County	Total Dead Birds	Crows	Jays	Raptors	Doves
Brevard	1	0	0	1	0
Broward	18	0	0	0	0
Collier	3	0	0	0	0
Duval	4	0	0	0	0
Hillsborough	11	0	0	0	0
Indian River	1	0	0	0	0
Lake	1	0	0	0	0
Lee	6	0	0	0	0
Manatee	1	0	0	0	0
Miami-Dade	3	0	0	1	0
Monroe	1	0	0	0	0
Orange	2	0	0	0	0
Pinellas	1	1	0	0	0
Washington	3	1	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) 7 WNV (7/22, 8/18, 9/1, 9/8, 9/15)	
Bay			10 WNV (1/12, 7/20, 7/27, 8/31, 9/8, 9/14, 9/21)	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)		3 WNV (9/14, 9/22)	
Escambia				7 WNV mosquito pools (Cx. <i>quinquefasciatus</i> 7/7, 8/4)
Hillsborough	259 dengue (July (14), August (140), September (105))	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. <i>aegypti</i> 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) 1 WNV (9/14)	
Holmes	1 WNV (August)			
Indian River		1 EEEV (8/20)	1 EEEV (6/12) 5 WNV (9/10, 9/16)	
Jackson		1 EEEV (7/27)		
Leon	1 asymptomatic WNV blood donor (July)		1 EEEV (9/15) 11 WNV (7/14, 7/20, 8/11, 9/1, 9/8, 9/15)	
Martin			1 HJV (7/2) 4 WNV (9/2, 9/17)	
Miami-Dade	1 chikungunya (August) 8 dengue (July (6), August (2))			
Manatee			10 WNV (7/28, 8/24, 9/7, 9/21)	
Nassau			1 WNV (9/22)	
Okeechobee		1 WNV (9/27)		
Orange	3 dengue (August)		6 EEEV (4/21, 5/12, 6/2, 6/29, 7/7, 9/8) 2 HJV (5/4, 9/8) 15 WNV (2/23, 7/27, 8/10, 8/17, 8/31, 9/8, 9/15, 9/21)	
Osceola		1 EEEV (7/1)		
Palm Beach	1 dengue (July)		1 HJV (3/23) 13 WNV (3/9, 6/16, 8/24, 9/8, 9/21)	
Pasco	3 dengue (August (2), September)		39 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)	1 DENV-2 mosquito pool (Ae. <i>aegypti</i> 9/16)
Pinellas	20 dengue (August (7), September (13))		43 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)	
Polk	1 dengue (September)		1 EEEV (5/18) 4 WNV (8/10, 9/4, 9/21)	
Putnam			1 EEEV (8/4)	

County	Humans	Equines	Sentinel Chickens	Other
Sarasota			9 WNV (8/11, 8/17, 9/8, 9/15, 9/22)	
Seminole		1 EEEV (6/16)	1 HJV (7/6)	
Sumter			2 WNV (9/1, 9/8)	
St. Johns			2 EEEV (4/27, 5/26) 1 WNV (9/8)	
St. Lucie			3 WNV (8/26, 9/10, 9/16)	
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) 56 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)	
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.