

Florida Arbovirus Surveillance

Week 2: January 10-16, 2010

Arbovirus surveillance in Florida includes endemic viruses West Nile virus (WNV), Eastern equine encephalitis virus (EEEV), St. Louis encephalitis virus (SLEV), and Highlands J virus (HJV) and imported viruses such as Dengue virus (DENV) and California encephalitis group viruses (CEV). During the period January 10-16, 2010, the following arboviral activity was recorded in Florida:

EEEV activity: One EEEV-confirmed positive horse was reported in Putnam County. Two sentinels in Orange and Sarasota counties and one live wild bird in Okaloosa County tested positive for antibodies to EEEV.

WNV activity: No activity has been reported this week.

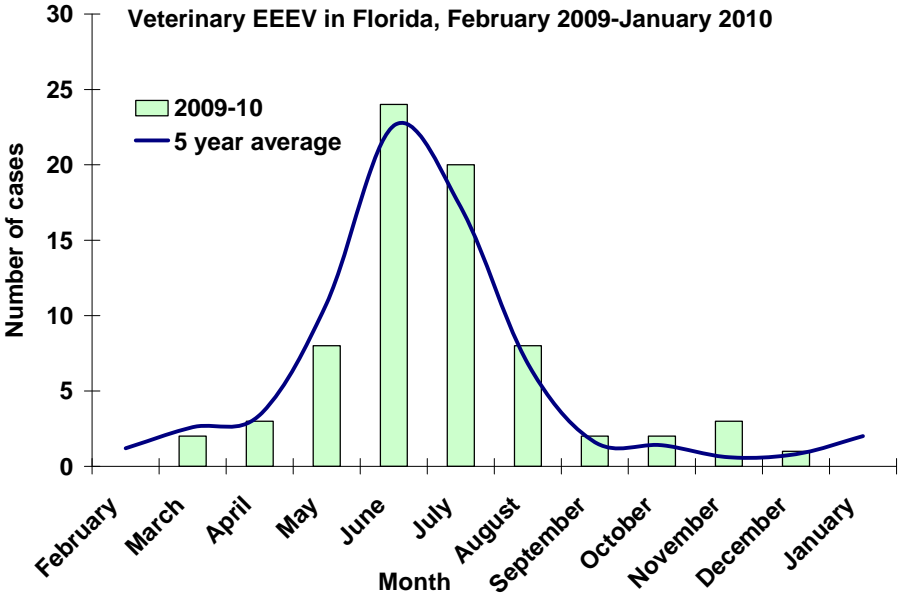
HJV activity: No activity has been reported this week.

Advisories/Alerts: Monroe County is under a mosquito-borne illness advisory.

Veterinary Cases

One horse with onset in 2009 tested positive for EEEV this week in Putnam County, bringing the state's total for EEEV to 75 for 2009. No horses with onset in 2010 have been reported.

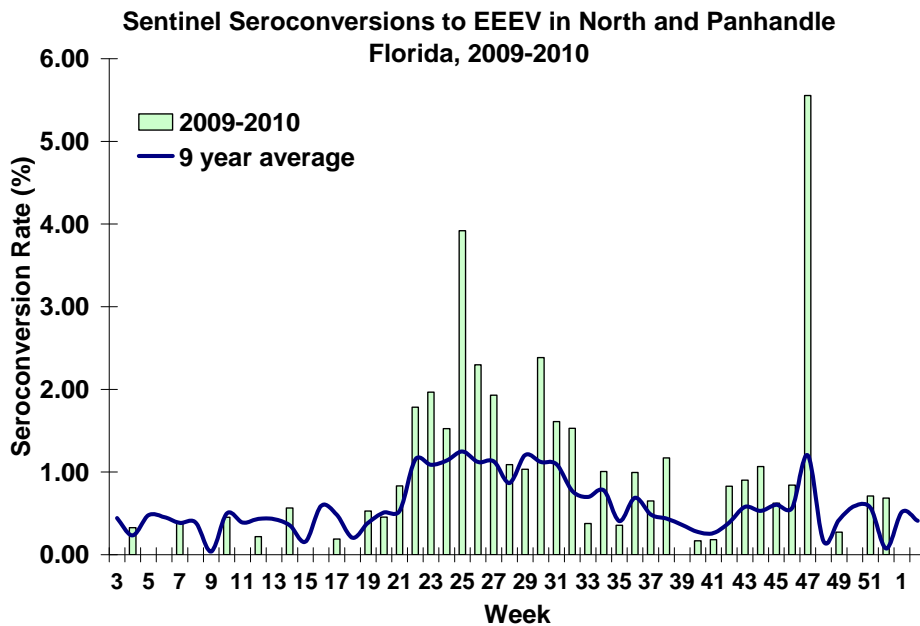
County	Onset Date	Species	Virus	Status	County YTD
Putnam	12/23/09	Equine	EEEV	Euthanized	5 (2009)



Sentinel Chickens

There were two seroconversions to EEEV in sentinel chickens from Orange and Sarasota counties. Seroconversion rates are calculated by week and include previously reported results. The Orange County sample will be included in 2009 data.

County	Collection Date	Seroconversion Rates (%)				County Totals	
		SLEV	WNV	EEEV	HJV	Week	YTD
Sarasota	01/05/10			1.2		1 EEE	1 EEE
Orange	12/31/09			2.4		1 EEE	33 EEE (2009)



Live Wild Birds

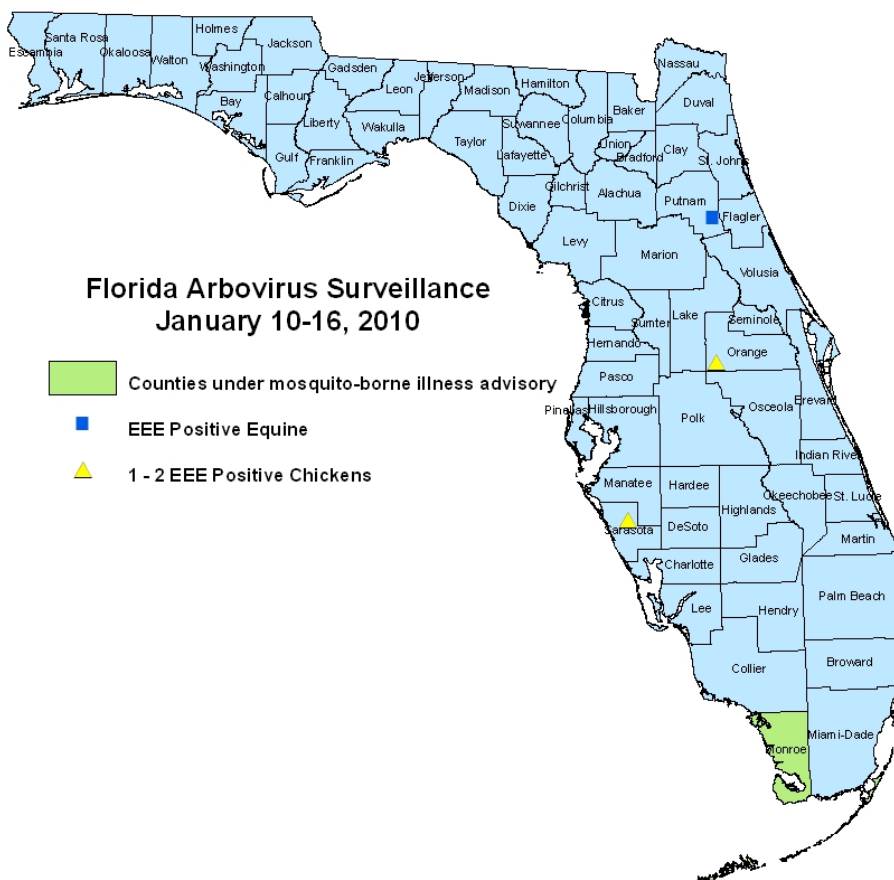
Out of 32 live wild birds collected from three counties on January 5-7, 2010, a house sparrow tested positive for antibodies to EEEV.

County	Collection Date	EEEV	Flavi	Species	EEEV Rate	Flavi Rate	County YTD
Okaloosa	01/04/10	1		House sparrow	1 out of 8	N/A	1 EEE

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, nine reports representing 29 dead birds were received from eight counties. None were identified as crows or jays; seven were identified as raptors. In 2010, 13 reports representing a total of 39 dead birds (0 crows, 0 jays, 7 raptors, 32 others) have been received from 11 of Florida's 67 counties. Please note that FWC collects reports of birds that have died from a variety of causes, not only arboviruses. Dead birds should be reported to www.myfwc.com/bird/.

Maps



YTD Arbovirus Activity by County

County	Arbovirus Activity
Sarasota	EEE: 1 sentinel (1/5)
Okaloosa	EEE : 1 live wild bird (1 house sparrow 1/4)

Acknowledgements and Data Sources

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Data is provided by county health departments, Department of Health Laboratories, Department of Agriculture and Consumer Services, mosquito control agencies, Florida Fish and Wildlife Conservation Commission, medical providers and veterinarians. Equine cases are determined by the Department of Agriculture and Consumer Services. Wild captured bird information is provided by the John A. Mulrennan Public Health Entomology Research and Education Center.