

Florida Arbovirus Surveillance Week 3: January 17-23, 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 17-23, 2010, the following arboviral activity was recorded in Florida:

EEEV activity: Two sentinels in Orange and Sarasota counties tested positive for antibodies to EEEV.

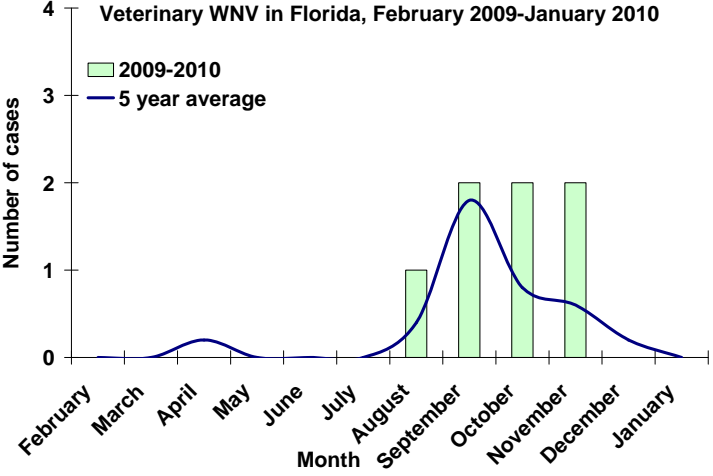
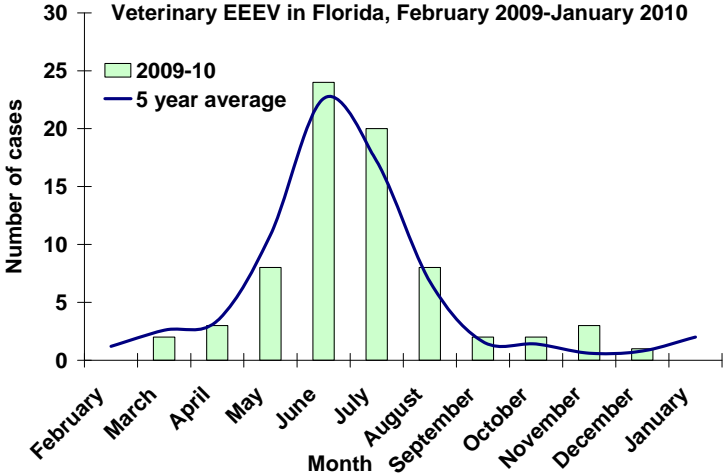
WNV activity: No activity has been reported this week.

HJV activity: No activity has been reported this week.

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

Veterinary Cases

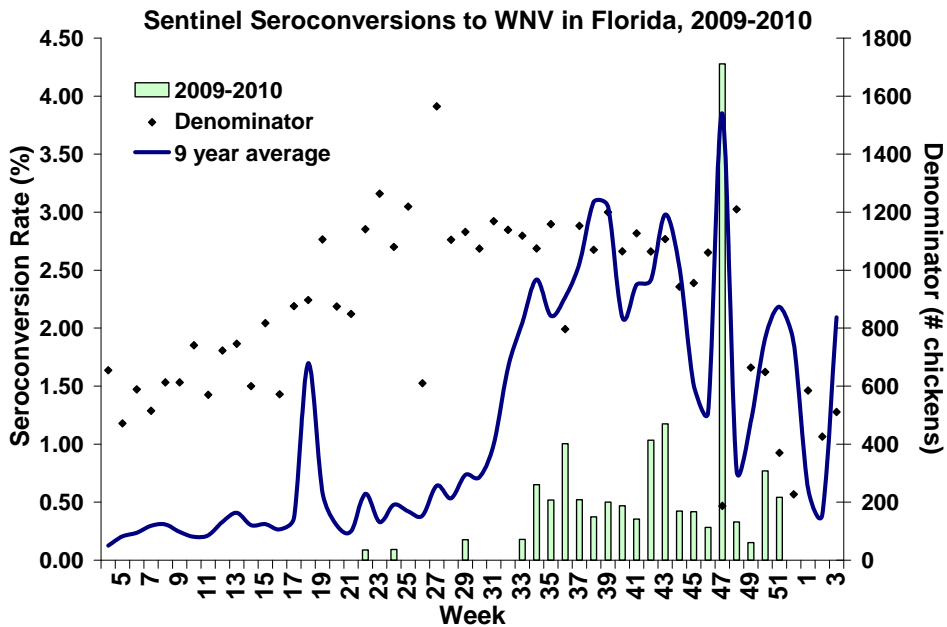
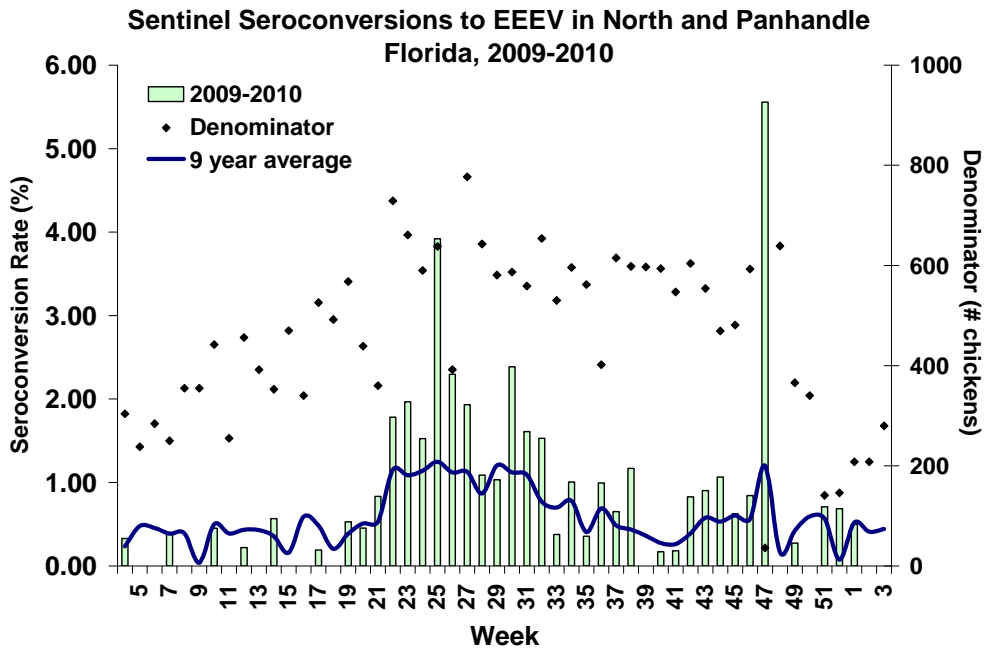
No positive horses were reported this week.



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.

County	Collection Date	Seroconversion Rates (%)				County Totals	
		SLEV	WNV	EEEV	HJV	Week	YTD
Sarasota	01/11/10			2.4		1 EEE	1 EEE
Orange	01/07/10			0.9		1 EEE	1 EEE



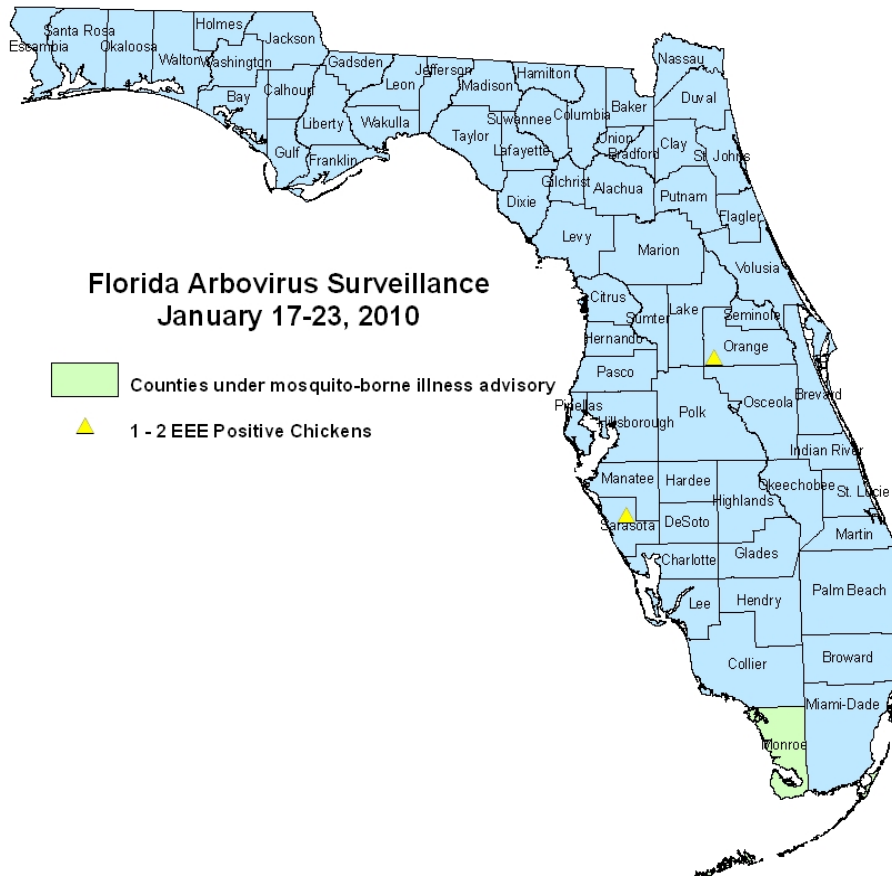
Live Wild Birds

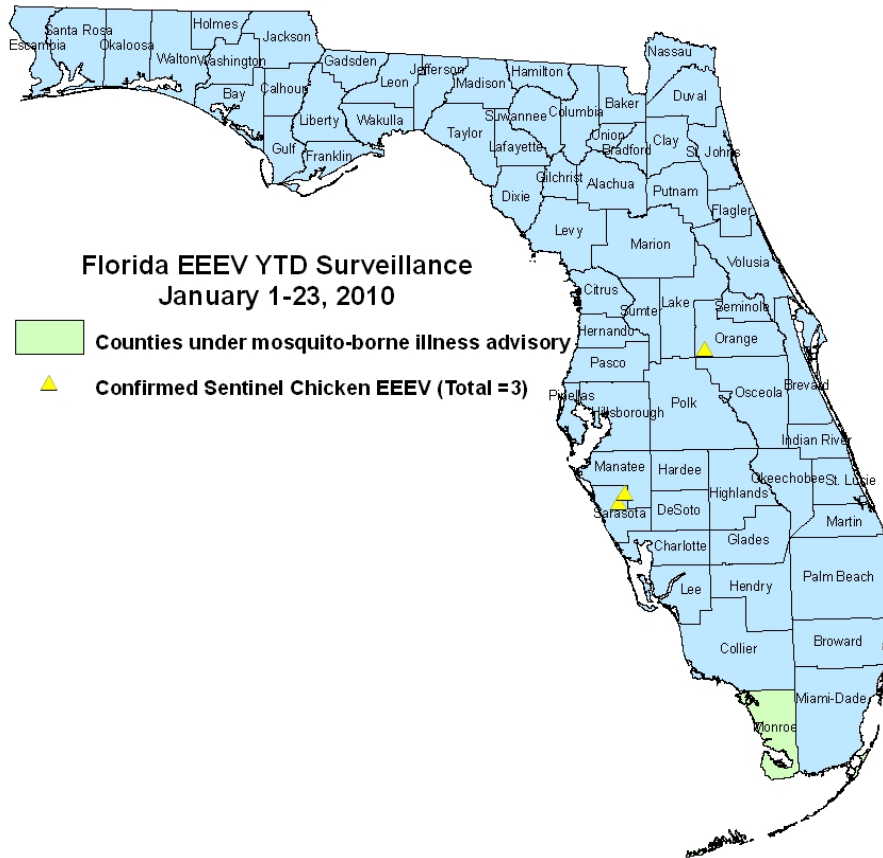
No positive live wild birds were reported this week.

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, six reports representing eight dead birds were received from six counties. None were identified as crows or jays; one was identified as a raptor. In 2010, 15 reports representing a total of 47 dead birds (0 crows, 0 jays, 8 raptors, 39 others) have been received from 15 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: 2 sentinels (1/5, 1/11)
Okaloosa	EEE : 1 live wild bird (1 house sparrow 1/4)
Orange	EEE : 1 sentinel (1/7)

Acknowledgements and Data Sources

Contributors: Elizabeth Radke, MPH, Kristina Weis, PhD, Danielle Stanek, DVM, and Carina Blackmore, DVM, PhD.

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.