

Florida Arbovirus Surveillance

Week 7: February 14-20, 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 February 14-20, 2010, the following arboviral activity was recorded in Florida:

EEEV activity: No EEEV activity was reported this week. In 2010, positive samples from three sentinel chickens and three live wild birds have been received. To date, four of Florida's 67 counties have reported EEEV activity.

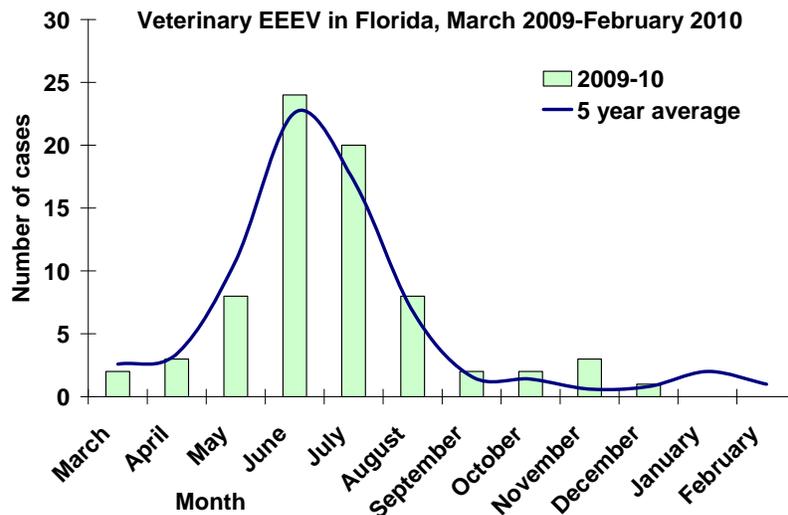
WNV activity: No WNV activity was reported this week. In 2010, positive samples from five sentinel chickens have been received from two counties.

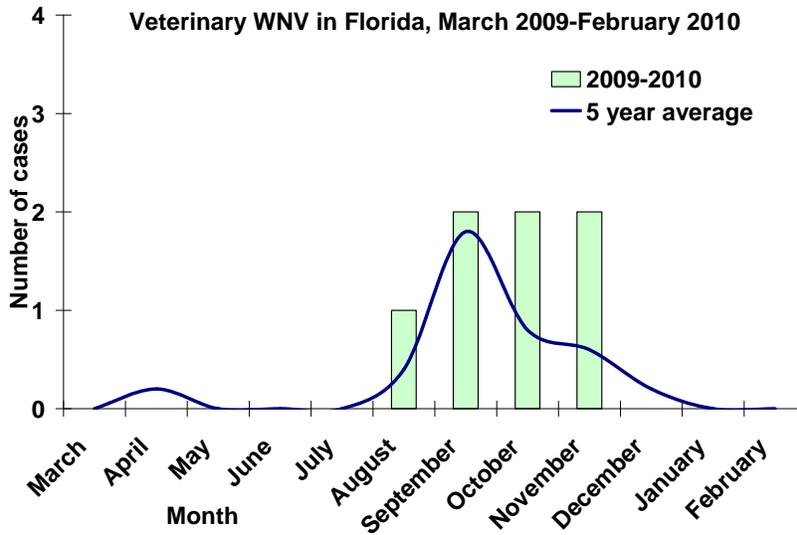
HJV activity: Three sentinel chickens in Walton County tested positive for antibodies to HJV, all with collection dates in 2009. No HJV activity has been reported in 2010.

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

Veterinary Cases

No positive horses were reported this week.

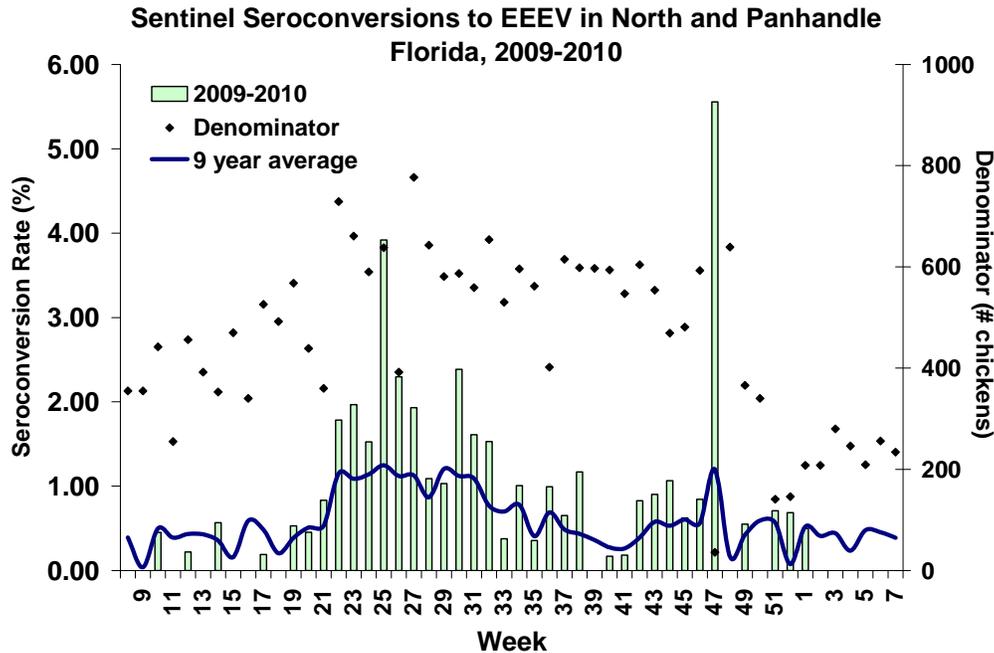


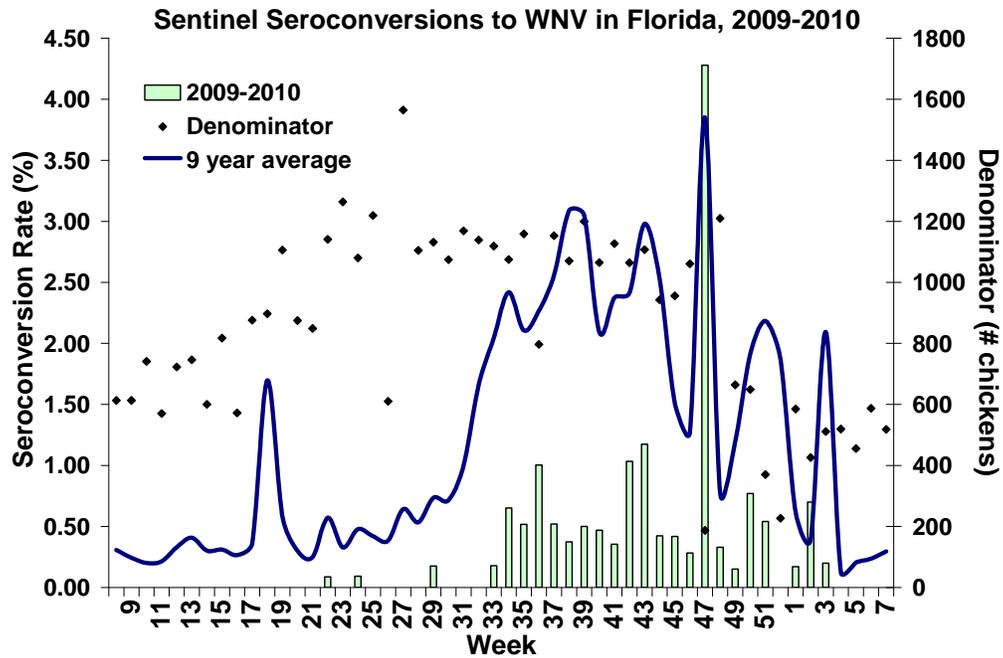


Sentinel Chickens

There were three seroconversions to HJV in sentinel chickens from Walton County. They will be included in 2009 data. Seroconversion rates are calculated by week and include previously reported results.

County	Collection Date	Seroconversion Rates (%)				County Totals	
		SLEV	WNV	EEEV	HJV	Week	YTD
Walton (North)	12/07/09			8.0	12.0	2 EEE, 3 HJV	15 WNV, 68 EEE, 39 HJV (2009)





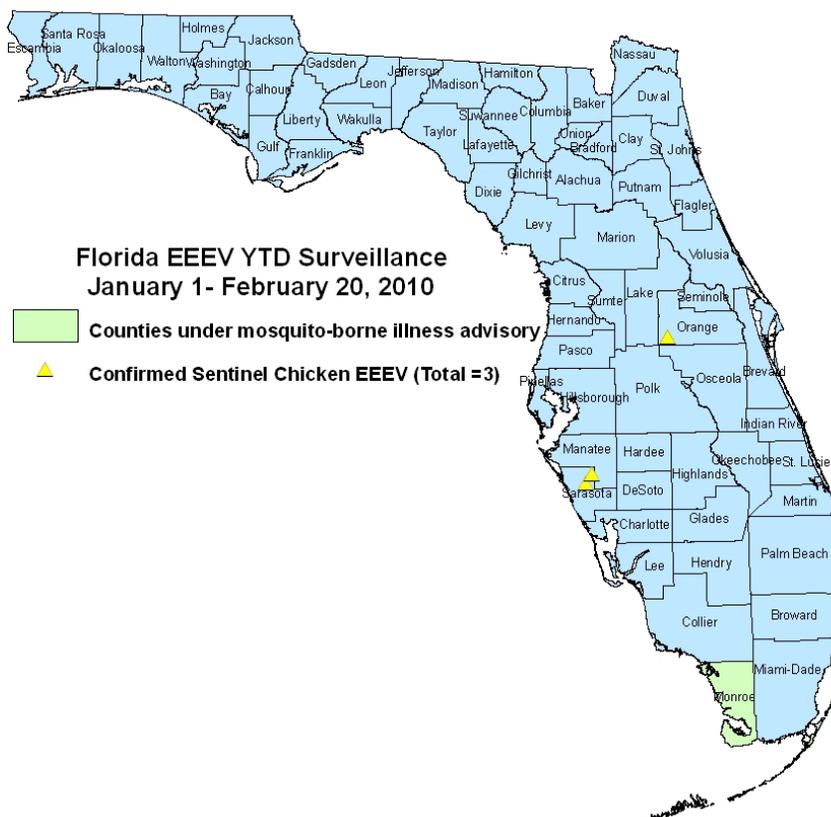
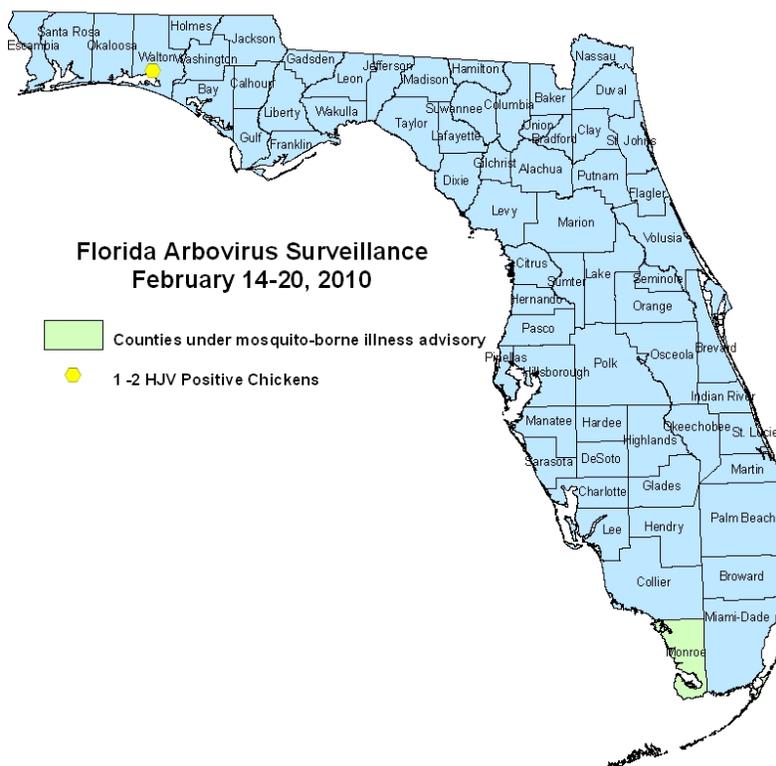
Live Wild Birds

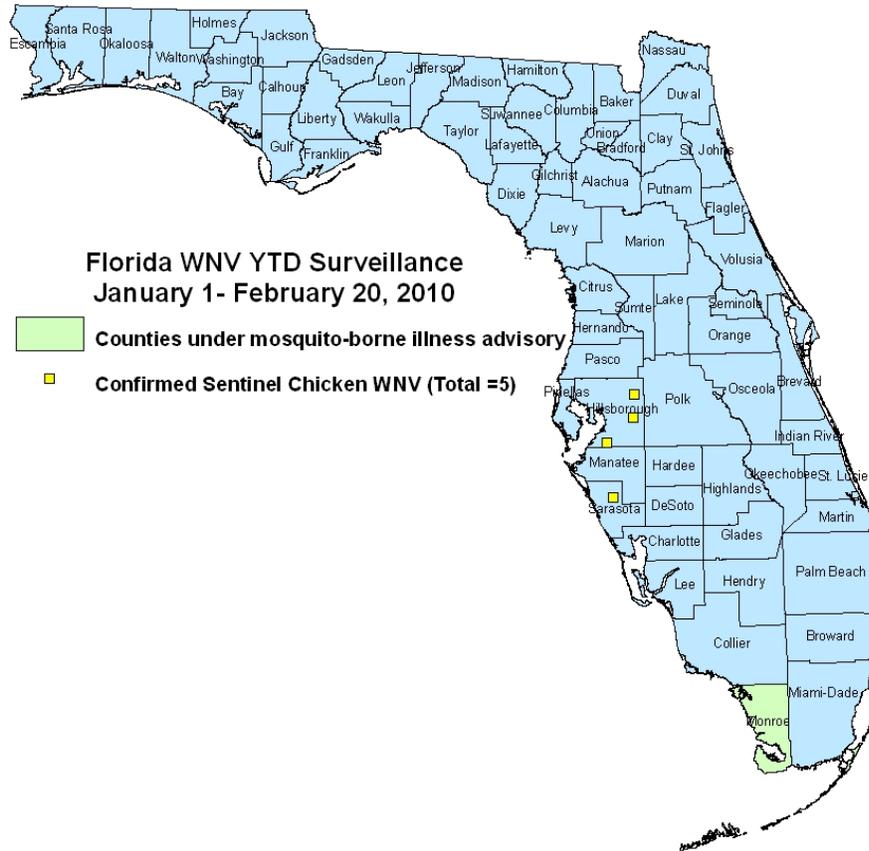
No live wild birds were reported this week.

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, nine reports representing 30 dead birds were received from eight counties. One was identified as a crow and one as a raptor. None were identified as jays. In 2010, 43 reports representing a total of 151 dead birds (1 crow, 1 jay, 10 raptors, 139 others) have been received from 21 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
Hillsborough	WNV : 4 sentinels (1/12 x4, 1/19)
Okaloosa	EEE : 2 live wild birds (1 house sparrow 1/4, 1 blue jay 1/27)
Orange	EEE : 1 sentinel (1/7)
Santa Rosa	EEE: 1 live wild bird (1 blue jay 2/2)
Sarasota	EEE: 2 sentinels (1/5, 1/11) WNV : 1 sentinel (1/8)

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.