

## Florida Arbovirus Surveillance

### Week 16: April 18-24, 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 exotic viruses such as Dengue virus (DENV) and California encephalitis group viruses (CEV). During the period April 18-24, 2010, the following arboviral activity was recorded in Florida:

**DENV activity:** No locally-acquired cases of dengue were reported this week. In 2010, there has been one locally-acquired case reported from Key West (Monroe County).

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

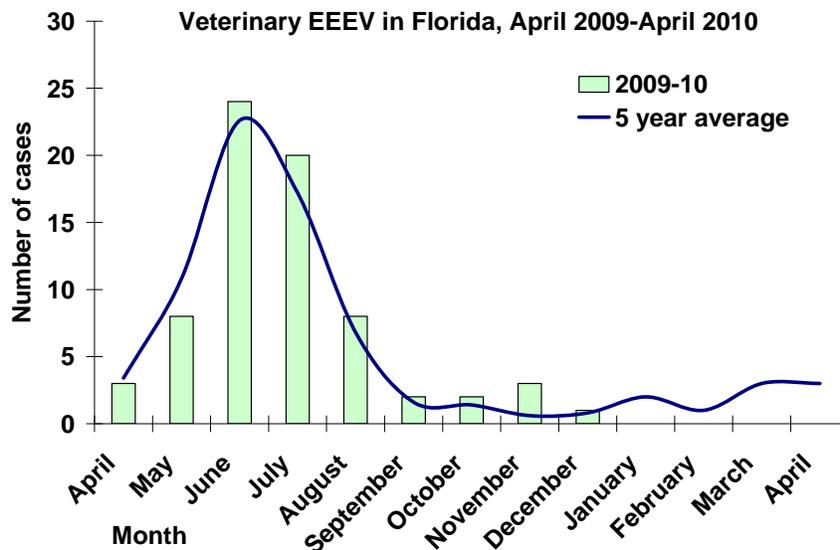
**WNV activity:** Two sentinel chickens from Walton County tested positive for antibodies to WNV. In 2010, positive samples from 27 sentinel chickens have been received from four counties.

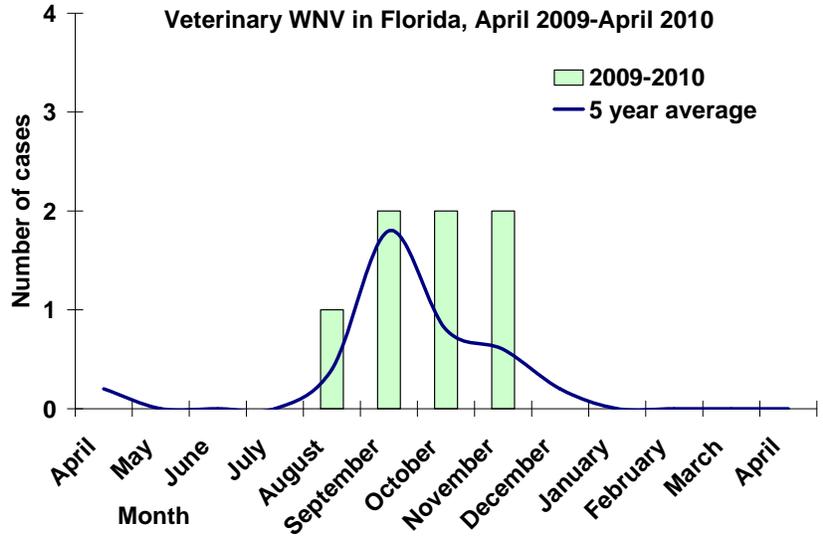
**HJV activity:** No HJV activity was reported this week. In 2010, positive samples from two sentinel chickens have been received from one county.

**Advisories/Alerts:** Monroe County is currently under a mosquito-borne disease advisory. No other counties are currently under mosquito-borne disease advisory or alert.

### Veterinary Cases

No positive horses were reported this week.

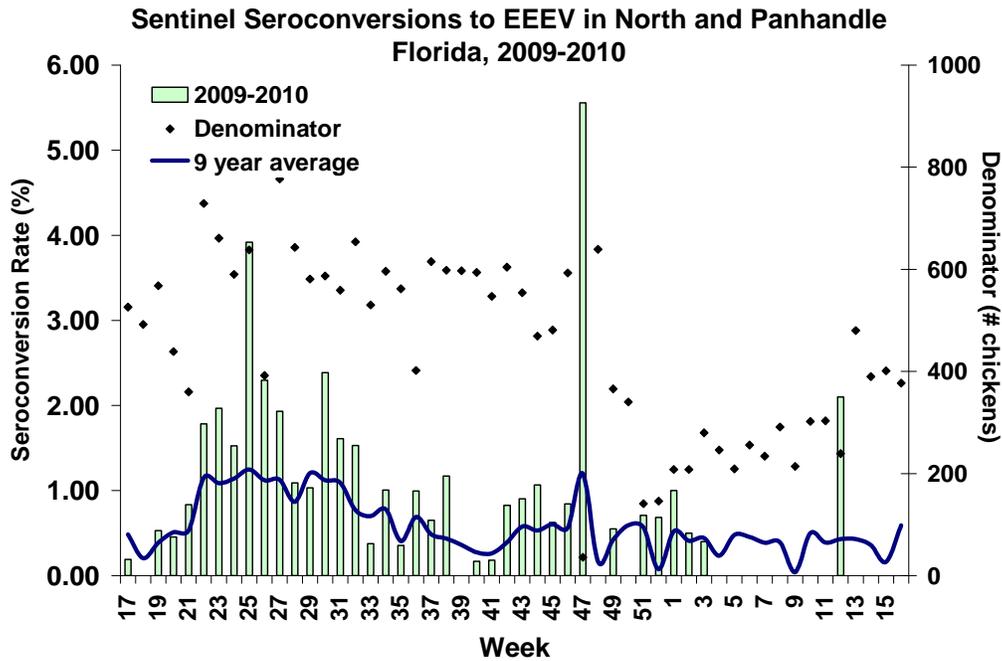


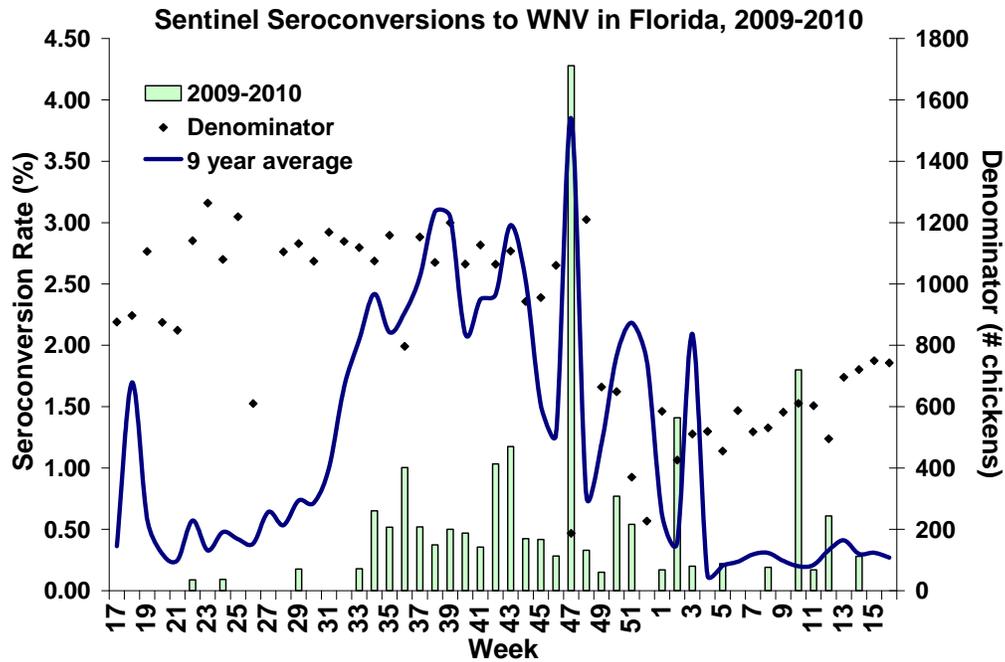


**Sentinel Chickens**

There were two seroconversions to WNV in sentinel chickens from Walton County. 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)	04/07/2010, 04/08/2010		4.8			2 WN	12 WN, 4 EEE, 2 HJ





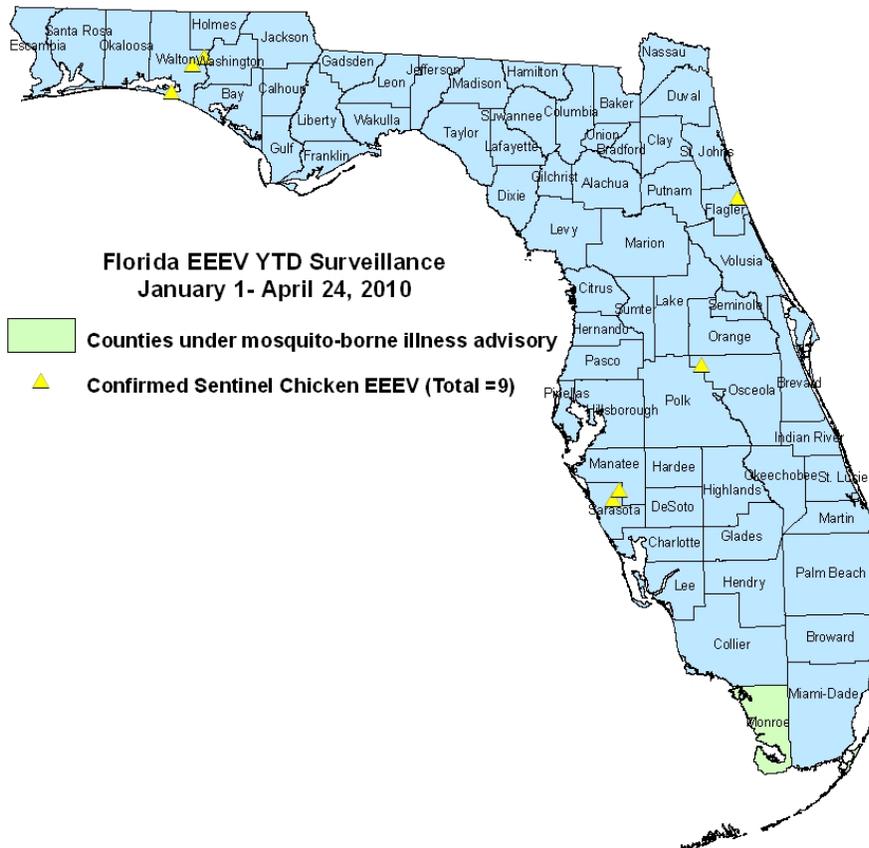
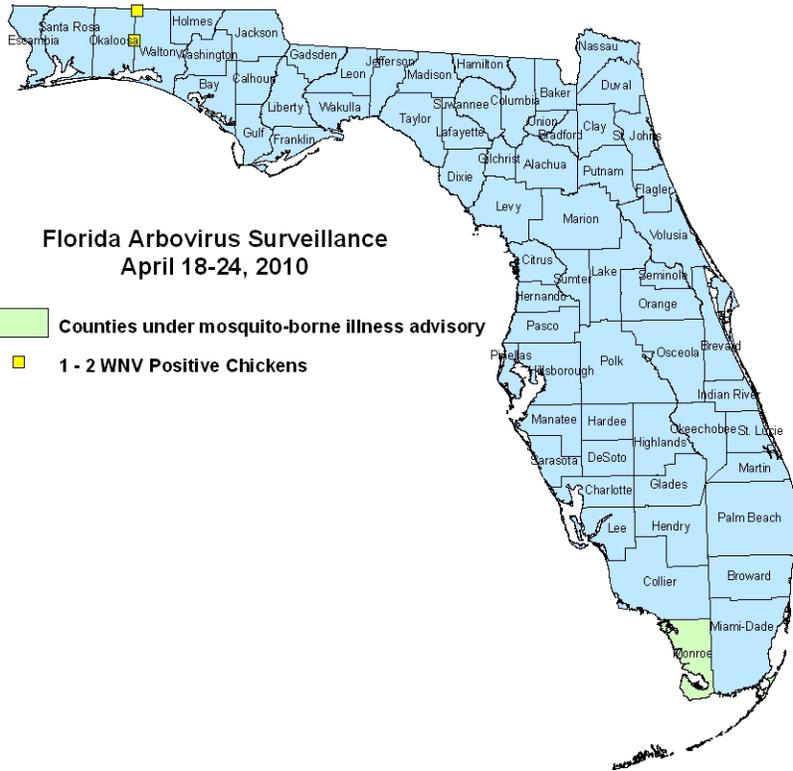
**Live Wild Birds**

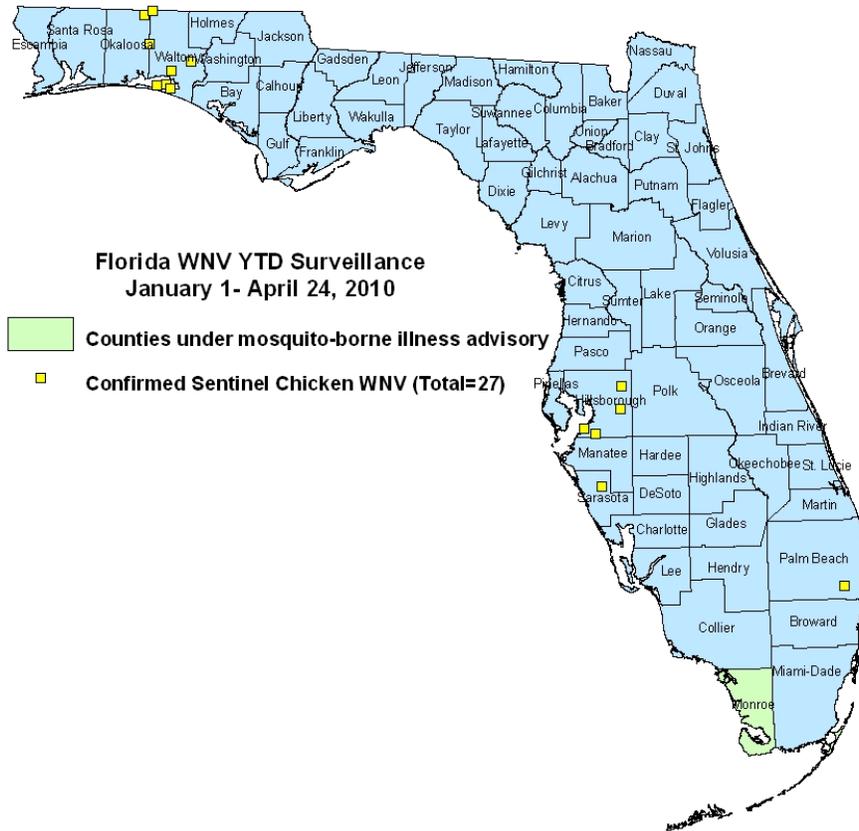
No positive wild birds were reported this week.

**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, four reports representing seven dead birds were received from four counties. None were identified as crows, jays, or raptors. In 2010, 93 reports representing a total of 322 dead birds (1 crow, 5 jays, 16 raptors, 300 others) have been received from 34 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/](http://www.myfwc.com/bird/).

## Maps





### YTD Arbovirus Activity by County

County	Arbovirus Activity
<b>Flagler</b>	EEE : 1 sentinel (3/22)
<b>Hillsborough</b>	WNV : 10 sentinels (1/12, 1/19, 2/22, 3/9, 3/22)
<b>Monroe</b>	DENV: 1 human (4/5)
<b>Okaloosa</b>	EEE : 2 live wild birds (1 house sparrow 1/4, 1 blue jay 1/27)
<b>Orange</b>	EEE : 1 sentinel (1/7)
<b>Palm Beach</b>	WNV: 1 sentinel (3/15)
<b>Santa Rosa</b>	EEE: 2 live wild birds (2 blue jays 2/2, 3/22)
<b>Sarasota</b>	EEE: 2 sentinels (1/5, 1/11) WNV : 1 sentinel (1/8)
<b>Walton</b>	EEE : 5 sentinels (1/19, 3/22) WNV : 15 sentinels (1/14, 2/4, 3/8, 3/12, 3/22, 4/7, 4/8) HJV : 2 sentinels (3/22)

### Acknowledgements and Data Sources

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

For more surveillance information, please see the DOH website at:  
<http://www.doh.state.fl.us/Environment/medicine/arboviral/index.html>

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.