

**Florida Arbovirus Surveillance**  
**Week 14: April 4-10, 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 4-10, 2010, the following arboviral activity was recorded in Florida:

**EEEV activity:** One sentinel chicken in Flagler County tested positive for antibodies to EEEV. In 2010, positive samples from six sentinel chickens and four live wild birds have been received from five of Florida’s 67 counties.

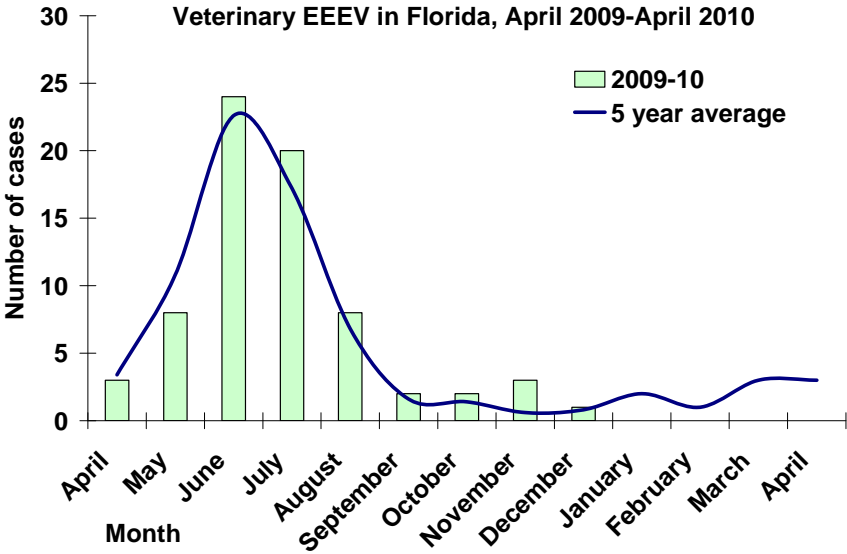
**WNV activity:** Twelve sentinel chickens from Walton, Hillsborough, and Palm Beach counties tested positive for antibodies to WNV. In 2010, positive samples from 22 sentinel chickens have been received from four counties.

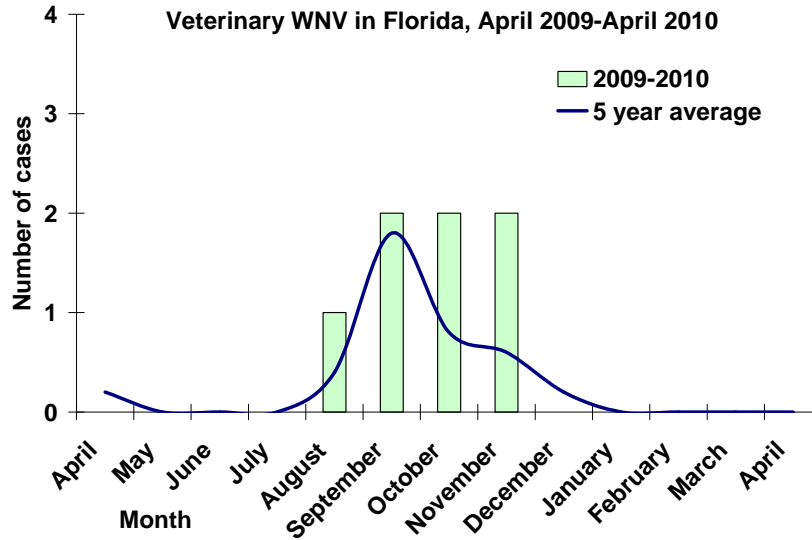
**HJV activity:** No HJV activity has been reported in 2010.

**Advisories/Alerts:** No counties are currently under mosquito-borne illness advisory or alert.

**Veterinary Cases**

No positive horses were reported this week.

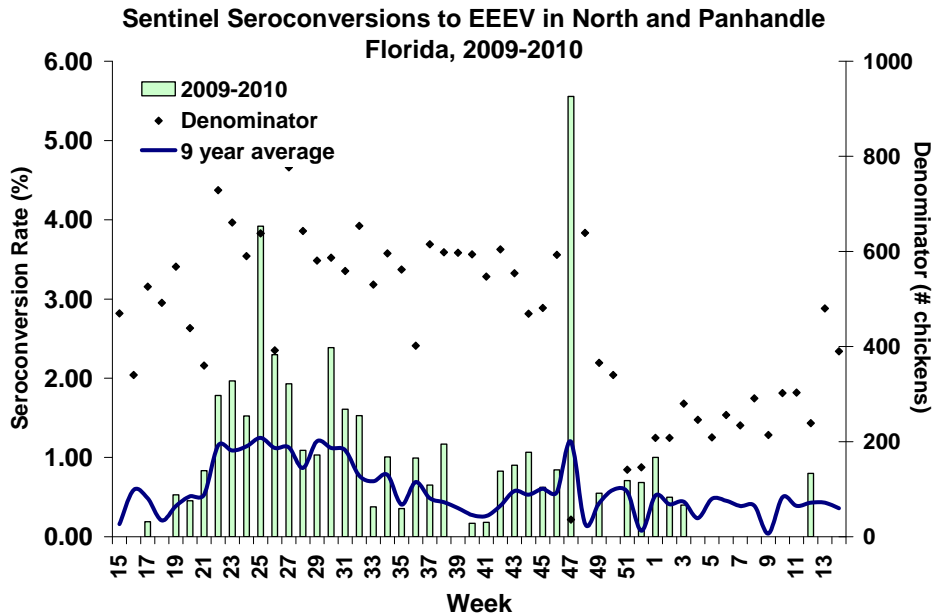


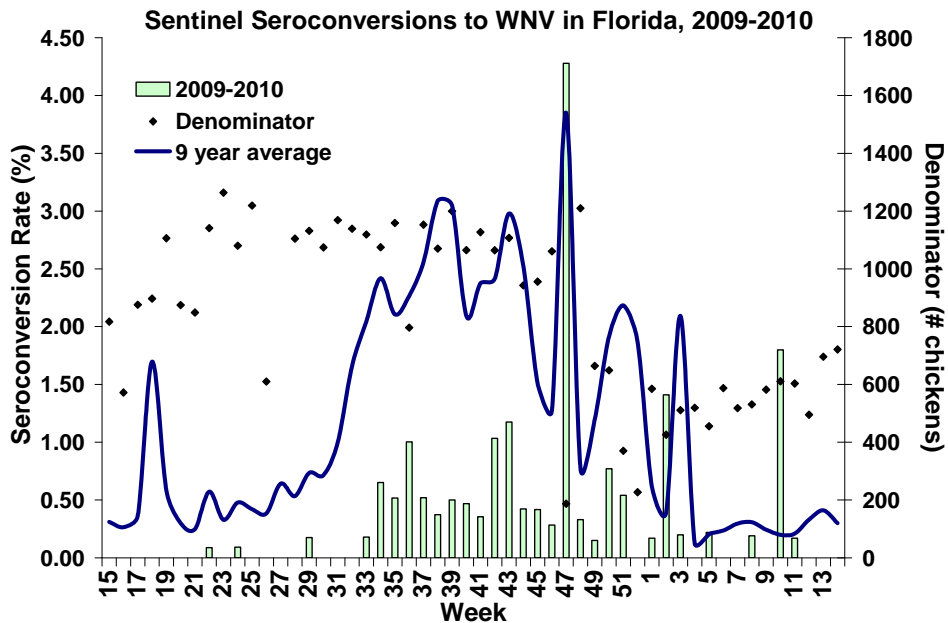


**Sentinel Chickens**

There was one seroconversion to EEEV in a sentinel chicken from Flagler County and twelve to WNV in sentinels from Walton, Hillsborough, and Palm Beach 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
Flagler	03/22/2010			7.7		1 EEE	1 EEE
Palm Beach	03/15/2010		2.4			1 WN	1 WN
Walton (North)	03/12/2010		16.7			6 WN	10 WN, 1 EEE
Hillsborough	03/09/2010		5.4			4 WN	9 WN
Walton (South)	03/08/2010		1.3			1 WN	1 WN, 1 EEE





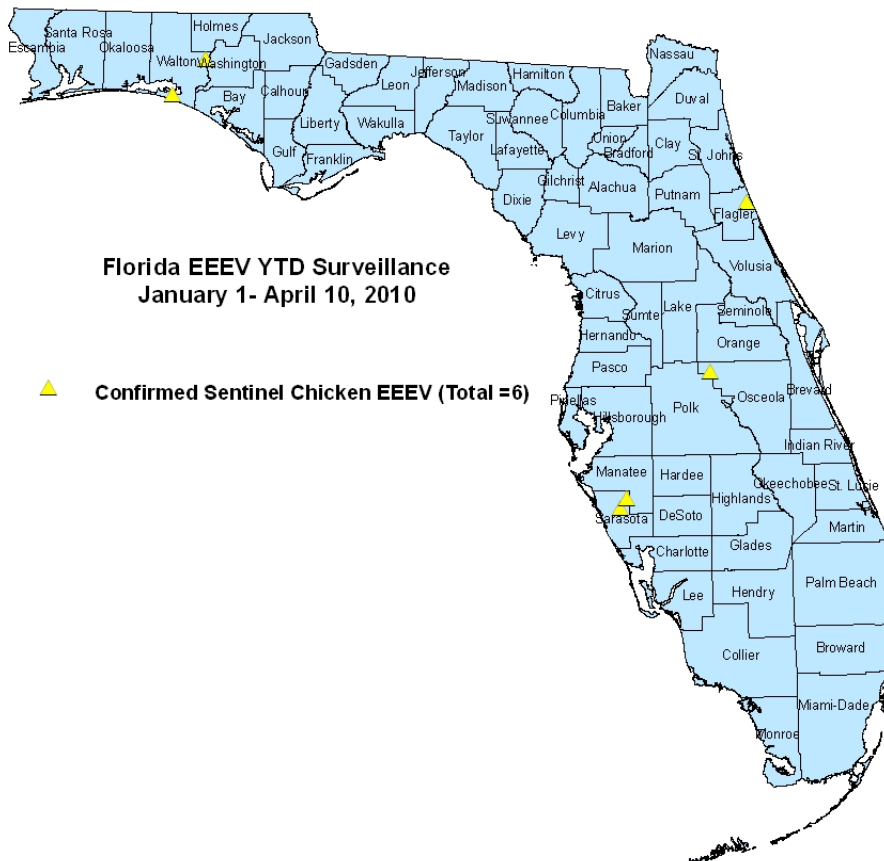
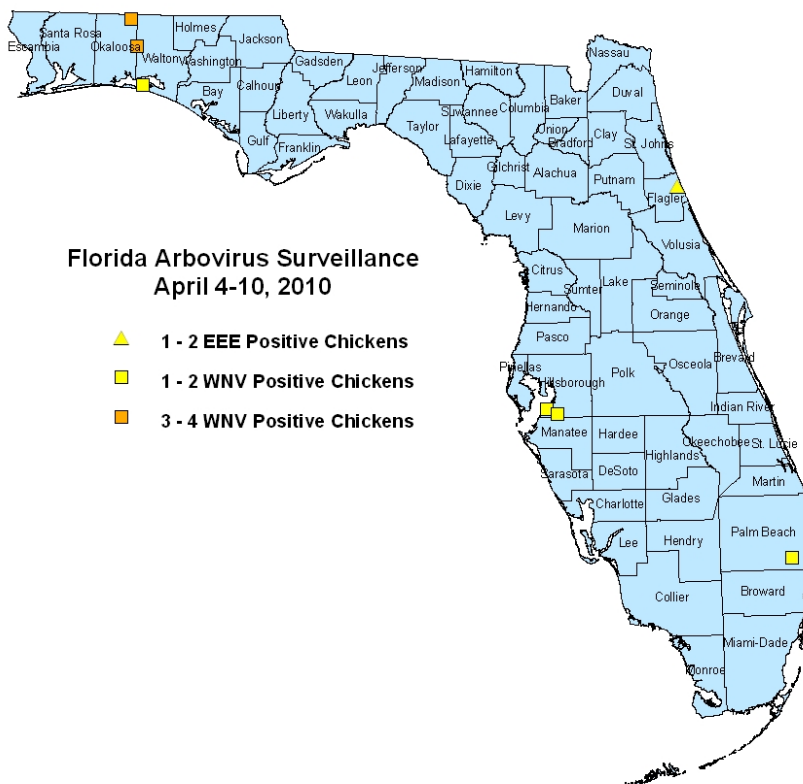
### Live Wild Birds

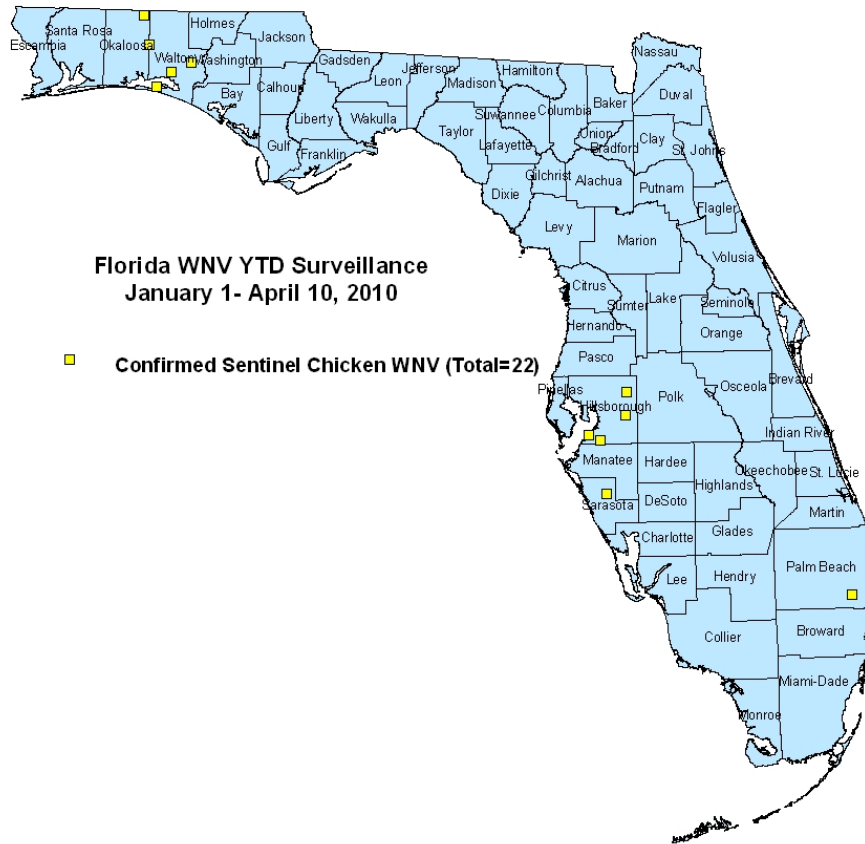
No positive wild birds were reported this week.

### 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, 11 reports representing 20 dead birds were received from nine counties. Two birds were identified as jays and three as raptors; none were identified as crows. In 2010, 87 reports representing a total of 303 dead birds (1 crow, 3 jay, 16 raptors, 283 others) have been received from 33 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
Flagler	EEE : 1 sentinel (3/22)
Hillsborough	WNV : 9 sentinels (1/12, 1/19, 2/22, 3/9)
Okaloosa	EEE : 2 live wild birds (1 house sparrow 1/4, 1 blue jay 1/27)
Orange	EEE : 1 sentinel (1/7)
Palm Beach	WNV: 1 sentinel (3/15)
Santa Rosa	EEE: 2 live wild birds (2 blue jays 2/2, 3/22)
Sarasota	EEE: 2 sentinels (1/5, 1/11) WNV : 1 sentinel (1/8)
Walton	EEE : 2 sentinels (1/19, 3/22) WNV : 11 sentinels (1/14, 2/4, 3/8, 3/12)

### Acknowledgements and Data Sources

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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.