

## West Virginia Vectorborne Disease Surveillance Report

JANUARY 1 - OCTOBER 4, 2019

## **HUMAN SURVEILLANCE**

Table 1. Summary of human cases of mosquito-borne and tickborne diseases for the current reporting period in West Virginia.

Mosquito-borne disease	# confirmed and probable human cases <sup>a</sup> (through Oct 4, 2019)	# of counties with reported cases
Malaria (imported)	2	2
Dengue (imported)	4	2
La Crosse Encephalitis	1	1
Total		
Tickborne disease	# confirmed and probable human cases <sup>a</sup> (through Oct 4, 2019)	# of counties with reported cases
Babesiosis	0	0
Anaplasmosis	2	2
Ehrlichiosis	9	7
Lyme disease	610	50
Spotted Fever Group Rickettsioses	18	11
Total		

<sup>a</sup> Table includes only confirmed and probable cases that have been reviewed and closed by the Vectorborne Disease

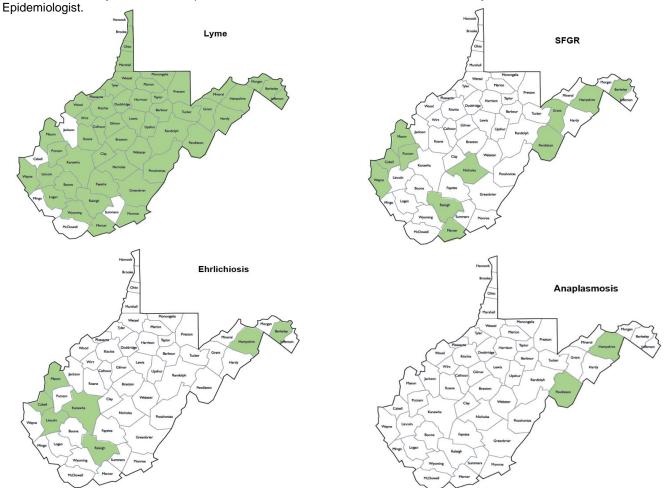


Figure 1. County-level distribution of human tickborne disease cases reported through October 4, 2019 in West Virginia.

## **MOSQUITO SURVEILLANCE**

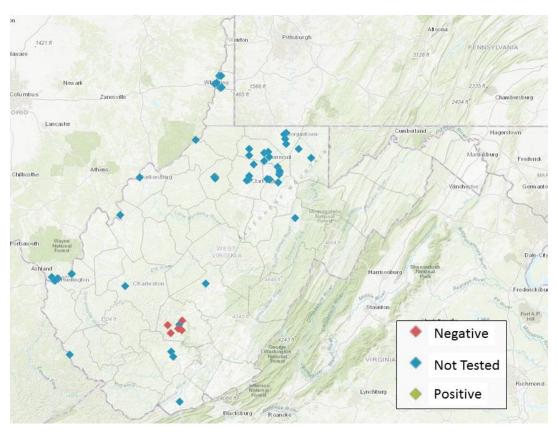
Table 2. Summary of adult mosquito surveillance through September 24, 2019.

Totals through Sep 9, 2019					
Mosquito species	Α	Arbovirus-positive pools			Comments
	WNV	LAC	SLE	ZIKA	
Culex	0	0	0	0	
Non-Culex	0	0	0	0	
Total	0	0	0	0	

WNV=West Nile Virus Infection

LAC= La Crosse Encephalitis

SLE= St. Louis Encephalitis ZIKA= Zika Virus Disease



**Figure 2**. Counties under active mosquito surveillance as of September 24, 2019. 'Positive' means mosquito sample tested positive for virus responsible for WNV, LAC, SLE or ZIKA. 'Negative' means virus responsible for WNV, LAC, SLE, or ZIKA was not detected in the mosquito sample.

## **VETERINARY TICK SURVEILLANCE**

Table 3. West Virginia Veterinary Tick Surveillance Project (WVVSTP) cumulative tick identification as of October 4, 2019.

Tick species	# of ticks submitted and identified	Animal host
Amblyomma americanum	17	Canine, Feline
Amblyomma maculatum	1	Canine
Dermacentor variabilis	270	Canine, feline, equine
Haemaphysalis leporispalustris	5	Rabbit
Haemaphysalis longicornis	46	Canine, feline
lxodes cookei	12	Canine, Feline
Ixodes dentatus	11	Rabbit
Ixodes scapularis	96	Canine, Feline
Total	431	