

Ohio Arbovirus Surveillance Update October 27, 2017

Below is the final update on mosquito-borne diseases in Ohio. There are a few arbovirus cases still under investigation, and you will be able to find updated information on the ODH Zoonotic Disease Program website: www.odh.ohio.gov/zdp. Also, feel free to contact us at the number below or at Zoonoses@odh.ohio.gov for any further updates or information you need.

Ohio Mosquito-borne Disease 2017 Numbers-At-A-Glance as of October 27, 2017:

West Nile virus	Notes	
Mosquitoes tested	432,120	Collected in 68 counties, pooled into 16,040 samples
WNV positive mosquito samples	2,234	Ashland (12), Ashtabula (6), Athens (6), Butler (1), Clark (11), Columbiana (4), Coshocton (2), Crawford (6), Cuyahoga (20), Delaware (21), Fairfield (3), Franklin (713), Greene (20), Hamilton (102), Hancock (27), Henry (3), Hocking (22), Huron (1), Jackson (3), Knox (6), Lake (91), Lawrence (1), Licking (79), Lorain (79), Lucas (170), Madison (1), Mahoning (4), Marion (1), Medina (13), Meigs (13), Montgomery (71), Pickaway (28), Portage (185), Richland (50), Ross (12), Scioto (4), Stark (37), Summit (352), Tuscarawas (18), Warren (1), Washington (3) and Wood (32) counties
WNV veterinary cases	11	11 equine cases in Ashtabula (1), Columbiana (1), Holmes (1), Logan (2), Trumbull (1), Tuscarawas (1) and Wayne (4) counties with onsets 08/24/17-09/15/17
WNV asymptomatic viremic blood donors	8	5 females, 3 males ranging in age from 19-67 years (median 50 years) from Fairfield (1), Franklin (2), Hamilton (1), Holmes (1), Medina (1), Mercer (1) and Stark (1) counties
WNV human cases	27	16 females, 11 males ranging in age from 35-82 years (median 59 years) from Butler (1), Clark (1), Clermont (2), Cuyahoga (5), Defiance (1), Franklin (1), Greene (1), Hamilton (3), Huron (1), Lake (1), Logan (1), Lucas (2), Meigs (1), Portage (1), Richland (1), Stark (1), Summit (1), Tuscarawas (1) and Van Wert (1) counties with onset of symptoms 07/24/17-10/02/17
Ohio counties with WNV activity reported	49	Includes counties with WNV positive mosquitoes, equine WNV cases, human WNV cases and human WNV viremic asymptomatic blood donors

Other locally-acquired mosquito-borne disease cases		Notes
La Crosse virus human cases	4	2 females, 2 males ranging in age 4-65 years (median: 9 years) from Delaware (1), Knox (1), Muskingum (1) and Preble (1) counties with onset of symptoms 06/16/17-07/17/17
Jamestown Canyon virus human cases	2	1 female, 1 male ranging in age 2-7 years (median: 4.5 years) from Holmes (1) and Wayne (1) counties with onset of symptoms 08/20/17-09/10/17
Unspecified California serogroup virus human cases	10	4 females, 6 males ranging in age 0-17 years (median: 8.5 years) from Allen (1), Ashland (2), Holmes (1), Medina (1), Ross (1), Summit (2), Trumbull (1) and Williams (1) counties with onset of symptoms 07/04/17-08/29/17
Eastern equine encephalitis virus veterinary cases	1	1 equine case, a 7 year-old gelding, in Ashtabula County with an onset of neurologic disease 07/25/17, euthanized
Travel-associated mosquito-borne disease cases		Notes
Chikungunya virus human cases*	3	2 females, 1 male ranging in age 16-39 years (median 37 years) with travel to India and Mexico with onset of symptoms 03/28/17-08/24/17
Dengue human cases	3	1 female, 2 males ranging in age 17-60 years (median 27 years) with travel to Asian countries with onset of symptoms 01/11/17-02/25/17
Zika virus human cases*	4	2 females, 2 males ranging in age 12-59 years (median 34.5 years) with travel to Caribbean islands with onset of symptoms 01/03/17-06/02/17
Malaria human cases	52	21 females, 31 males ranging in age 1-77 years (median 30 years) with travel to African countries, Afghanistan, Guatemala and Papua New Guinea
* Ohioans traveling to areas where local transmission is occurring should be aware of the ongoing situation and make every effort to avoid mosquito bites. Additional information can be found from the CDC (www.cdc.gov/chikungunya , www.cdc.gov/zika/geo/index.html) and the Pan American Health Organization (www.paho.org/chikungunya , www.paho.org/zika).		

Updated 10/27/17

Mosquito-borne Disease Activity Updates from Neighboring States:

- Indiana: <http://www.in.gov/isdh/23592.htm>
- Illinois: <http://www.dph.illinois.gov/topics-services/diseases-and-conditions/west-nile-virus/surveillance>
- Michigan: http://www.michigan.gov/emergingdiseases/0,4579,7-186-25805_26531---,00.html
- Pennsylvania: <http://www.westnile.state.pa.us/surv.htm>
- West Virginia: <http://www.dhhr.wv.gov/oeps/disease/Zoonosis/Mosquito/Pages/default.aspx>

Please contact the Zoonotic Disease Program at (614) 752-1029 if you have any questions.