

## ZOONOTIC AND OTHER ANIMAL DISEASES OF CONCERN IN MARYLAND

**Table 1. New or Ongoing Morbidity or Mortality Animal or Zoonotic Disease Events**

Estimated first onset	Estimated end date	Jurisdiction affected	Species affected	Diagnosis	Estimated # of cases to date	Lead agency	Comment
June 29, 2014	Open	Wicomico	Goat-kids	Unknown	12	MDA	Toxin suspected, bacteriology pending

**For questions regarding specific disease events, please contact the lead agency noted. This contact information is for use by Maryland veterinarians and health professionals:**

MDA - Maryland Department of Agriculture: [ahops.mda@maryland.gov](mailto:ahops.mda@maryland.gov), 410-841-5810

DHMH - Maryland Department of Health and Mental Hygiene, Center for Zoonotic and Vector-borne Diseases: [dhmh.czvbd@maryland.gov](mailto:dhmh.czvbd@maryland.gov), 410-767-5649

DNR - Maryland Department of Natural Resources, Fish & Wildlife Health Program, [FWHP@dnr.state.md.us](mailto:FWHP@dnr.state.md.us), 410-226-5193

### ***West Nile Virus and Eastern Equine Encephalitis Virus Confirmed in Maryland***

West Nile virus (WNV) and Eastern equine encephalitis (EEE) infections have been detected in humans, equines and mosquitoes in Maryland. In 2013, 16 human cases of WNV infection were reported in Maryland. The MDA submitted 710 mosquito pools to DHMH Laboratories Administration for arboviral testing, of which three tested positive for WNV and eight tested positive for Eastern Equine encephalitis (EEE). A single pool tested positive for both WNV and EEE. An additional six WNV-positive pools were reported by Department of Defense (DOD) facilities in Montgomery County, for a total of 18 mosquito pools positive for arboviruses statewide. In addition, two horses, one in Montgomery Co. and one in Worcester Co., were confirmed with WNV and EEE respectively. An alpaca in Caroline County tested positive for WNV—the first confirmed WNV infection in a camelid in Maryland.

Because WNV is endemic in Maryland wildlife, birds are no longer routinely tested for WNV in the State; however, sick or injured birds can be reported to a local wildlife rehabilitator, which can be found on the DNR web site [http://dnr.maryland.gov/wildlife/Plants\\_Wildlife/rehab.asp](http://dnr.maryland.gov/wildlife/Plants_Wildlife/rehab.asp). Instructions on what to do when you find a sick or dead bird can be found on the DHMH web site. Veterinarians are reminded that equine neurologic syndromes and any of the equine encephalitides are reportable to MDA Animal Health and that equine arboviral testing is available at the DHMH Laboratories Administration. Veterinarians are reminded to vaccinate horses against WNV, EEE, and rabies.

Arboviral surveillance for 2014 began on July 1, 2014. To date, no arboviral activity has been detected in Maryland.

To report cases of disease in:	Contact:
<b>Domestic animals</b>	MDA Animal Health Program Office 410-841-5810 <a href="http://mda.maryland.gov/animalHealth/Pages/Diseases.aspx">http://mda.maryland.gov/animalHealth/Pages/Diseases.aspx</a>
<b>Wild animals</b>	MD DNR / USDA Wildlife Service Call Center 1-877-463-6497 <a href="http://www.wher.org">http://www.wher.org</a>
<b>Humans</b>	DHMH Center for Zoonotic and Vector-borne Diseases 410-767-5649 <a href="http://phpa.dhmh.maryland.gov/OIDEOR/CZVBD/SitePages/Home.aspx">http://phpa.dhmh.maryland.gov/OIDEOR/CZVBD/SitePages/Home.aspx</a>

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### ***Guidance on Management of Domestic Animals with Expired Rabies Vaccinations***

It has come to the attention of the Center for Zoonotic and Vector-borne Diseases that many practitioners are administering a 3-year rabies vaccine to either a dog or cat and stating that it is protective for only one year because the animal is overdue in receiving its booster dose. **Once an animal has received its primary rabies vaccination, then any subsequent vaccinations are protective for the amount of time listed on the package label (i.e. if a 3-yr product is administered, it is protective for 3 years), regardless of the amount of time elapsed since the previous rabies vaccine expired.**

The CZVBD follows the recommendations of the National Association of State Public Health Veterinarians (NASPHV), which state that *“if a previously vaccinated animal is overdue for a booster, it should be revaccinated. Immediately after the booster, the animal is considered currently vaccinated and should be placed on a booster schedule depending on the labeled duration of the vaccine used.”*

Please be aware that this practice is only recognized for those overdue dogs and cats requiring a routine booster dose of rabies vaccine. It is not applicable to overdue animals facing a quarantine or isolation procedure following an exposure to a potentially rabid animal; such situations should be evaluated on a case-by-case basis. If you have any questions, please call our office at 410-767-5649. Please visit the National Association of State Public Health Veterinarians (NASPHV) website at <http://www.nasphv.org/> for a copy of the current *Compendium of Animal Rabies Prevention and Control*, which provides guidance on vaccination and other rabies prevention and control topics.

### ***Wicomico County Goat Mortalities***

MDA is investigating the recent mortalities of 12 young goats (under 1 year) in a Wicomico County goat herd. Adult goats along with 40 doelings and 19 bucklings remain healthy in the herd of approximately 120 goats. Goats were reported by owners to be healthy until sudden death. There were no signs reported by owners prior to death. Necropsies were performed on two of the goats at the MDA Frederick Animal Health Diagnostic Laboratory. Necropsy findings are inconclusive, but animals were found to be in good nutritional condition, with pulmonary edema and lymphadenopathy. Follow-up testing is pending, including bacteriology and histology from carcasses, and water and feed sample testing from the farm.

### ***Maryland’s Spay and Neuter Grants Program***

The Spay and Neuter program is designed to reduce the number of unwanted cats and dogs euthanized in shelters across the state. The program’s goal is to reduce these numbers by providing competitive grants to local governments and animal welfare organizations that promote and provide spay and neuter services and educational outreach, emphasizing efforts that serve low income communities and populations. The program is open to government animal control and care facilities and shelters or non-profit animal welfare organizations with 501 (c)(3) status.

**The program is now accepting applications. The deadline is August 6th, 2014.** For more comprehensive information on the program and submission of applications, visit: [http://mda.maryland.gov/spay\\_neuter\\_program/Pages/default.aspx](http://mda.maryland.gov/spay_neuter_program/Pages/default.aspx)

### ***Stress and Health Among Veterinarians - Invitation for Veterinary Participants***

Veterinarians are at an increased risk of suicide. To learn more about veterinarian experiences with psychological distress, the Centers for Disease Control and Prevention (CDC) and Auburn University are working together to survey veterinarians, including in Maryland.

Veterinarians are cordially invited to complete this electronic survey by clicking on the link here [https://auburn.qualtrics.com/SE/?SID=SV\\_9RIOXmumZUDdLxP](https://auburn.qualtrics.com/SE/?SID=SV_9RIOXmumZUDdLxP). The survey takes only about 10 minutes to complete, and is **voluntary** and **anonymous**. Your responses will help inform key stakeholders about the mental health needs of veterinarians.

Thank you very much for contributing to the understanding of how veterinarians in need can be better assisted.

## MARYLAND ANIMAL RABIES CASES, 2014

**Table 2. New (confirmed since the previous Bulletin) and Cumulative Rabies Cases, Week Ending July 5, 2014**

Jurisdiction	Bat Total (New)	Cat Total (New)	Cow Total (New)	Dog Total (New)	Fox Total (New)	Groundhog Total (New)	Raccoon Total (New)	Skunk Total (New)	Other Total (New)	Total (New)
Allegany							2			2
Anne Arundel	9(5)				2(1)		12(2)			23(8)
Baltimore	3(3)						6(1)			9(4)
Baltimore City	1				2		4(2)			7(2)
Calvert							1			1
Caroline							2(2)	1		3(2)
Carroll	1(1)	2					4(1)	1		8(2)
Cecil										
Charles					1		2			3
Dorchester					1(1)		3			4(1)
Frederick		3(1)			1		6(1)	1		11(2)
Garrett							1			1
Harford					1(1)		8(1)			9(2)
Howard		1			1		3			5
Kent										
Montgomery	1				2(1)	1(1)	15(4)			19(6)
Prince George's	4(3)				4		2			10(3)
Queen Anne's	1(1)						3			4(1)
Somerset						1(1)	7(4)			8(5)
St. Mary's										
Talbot							4(1)			4(1)
Washington		1			1		4			6
Wicomico					1(1)		2(1)			3(2)
Worcester	1(1)				1		5			7(1)
<b>Total (New)</b>	<b>21(14)</b>	<b>7(1)</b>			<b>18(5)</b>	<b>2(2)</b>	<b>96(20)</b>	<b>3</b>		<b>147(42)</b>

**Other:**

**For complete animal rabies data:**

<http://phpa.dhmh.maryland.gov/OIDEOR/CZVBD/SitePages/Home.aspx>

**To view previous issues of the Maryland One Health Bulletin (MOHB):**

<http://mda.maryland.gov/animalHealth/Pages/md-one-health.aspx>

**Maryland Department of Health and Mental Hygiene Weekly Public Health and Emergency Preparedness Bulletin:**

<http://preparedness.dhmh.maryland.gov/SitePages/Public%20Health%20And%20Emergency%20Preparedness%20Bulletins.aspx>

**National Wildlife Health Center New and Ongoing Wildlife Mortality Events Nationwide:**

[http://www.nwhc.usgs.gov/mortality\\_events?ongoing.jsp](http://www.nwhc.usgs.gov/mortality_events?ongoing.jsp)

**U.S. Livestock and Poultry Disease Events and Trends:**

[http://www.aphis.usda.gov/wps/portal/banner/help?1dmy&uril=wcm%3apath%3a%2FAPHIS\\_Content\\_Library%2FSA\\_Our\\_Focus%2FSA\\_Animal\\_Health](http://www.aphis.usda.gov/wps/portal/banner/help?1dmy&uril=wcm%3apath%3a%2FAPHIS_Content_Library%2FSA_Our_Focus%2FSA_Animal_Health)

**Maryland Department of Health and Mental Hygiene Weekly Influenza Report:**

<http://phpa.dhmh.maryland.gov/influenza/fluwatch/SitePages/Home.aspx0>