

ZOONOTIC AND OTHER ANIMAL DISEASES OF CONCERN IN MARYLAND

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

Estimated first onset	Estimated end date	Counties affected	Species affected	Diagnosis	Estimated # of cases to date	Lead agency	Comment
2011		Montgomery (MD)	Fish, Reptiles & Amphibians	Ranavirus		DNR	See below

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.state.md.us, 410-841-5810
- DHMH - Maryland Department of Health and Mental Hygiene, Center for Zoonotic and Vector-borne Diseases: czvbd@dhhm.state.md.us, 410-767-5649
- DNR - Maryland Department of Natural Resources, Fish & Wildlife Health Program, FWHP@dnr.state.md.us, 410-226-5193

ERRATUM:

In the MOHB Volume 2, Issue 3 (April 25, 2012), we incorrectly listed the case of bovine spongiform encephalopathy (BSE) in a California cow in Table 1, which lists events in Maryland. The text correctly stated that no cases of BSE have ever been identified in Maryland. We apologize for any confusion.

Ranavirus:

In 2011, researchers found an increase in mortality from ranavirus infections in box turtles, young salamanders and tadpoles in Montgomery County, Maryland. Ranaviruses are non-zoonotic DNA viruses limited to fish, reptiles and amphibians. Occasional ranavirus infections have been documented in Maryland reptiles and amphibians since the 1990s. The USGS National Wildlife Health Center has received reports of this virus in 25 states in more than 20 species of amphibians and two turtle species. Additional states reporting confirmed infections include Pennsylvania, New York, New Jersey, Georgia and Florida. Ranavirus infections are present worldwide; they have been reported in Europe, Asia, North and South America. During spring emergence in wetlands, illness in amphibians can begin with an explosive event with mortality rates reaching 90% over a 1-5 day period in larval frogs and salamanders. Signs include hemorrhages of the ventral skin, lethargy, erratic swimming and subcutaneous fluid accumulation. Affected box turtles may

To report cases of disease in:	Contact:
Domestic animals	MDA Animal Health Program Office 410-841-5810 www.mda.state.md.us/animal_health/diseases/reportable.php
Wild animals	MD DNR / USDA Wildlife Service Call Center 1-877-463-6497 http://www.whmn.org/wher/
Humans	DHMH Center for Zoonotic and Vector-borne Diseases 410-767-5649 http://ideha.dhmm.maryland.gov/OIDEOR/CZVBD/SitePages/Home.aspx

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New or Ongoing Morbidity or Mortality Animal or Zoonotic Disease Events in Maryland (continued).

Ranavirus (continued):

exhibit weakness, swollen eyelids, discharge from the nose and mouth and thick white to yellow plaques in the oral cavity. The mechanism of spread and transmission are unclear at this time.

It is not wise to buy and release reptiles or amphibians to the wild as it may spread disease in unaffected areas. As a reminder, always practice good hygiene when handling all animals. In 2012 MD DNR will meet with federal and private partners to determine the best way forward to monitor populations for ranavirus infections.

For more information on ranavirus in reptiles and amphibians please visit:

The USGS / National Wildlife Health Center website: http://www.nwhc.usgs.gov/disease_information/other_diseases/ranavirus.jsp

The MD DNR website: http://dnr.maryland.gov/wildlife/plants_wildlife/herps/catalogue_frogs.asp

The Global Ranavirus Consortium website: <http://fwf.ag.utk.edu/mgray/ranavirus/ranavirus.htm>

MARYLAND ANIMAL RABIES CASES, 2012

Table 2. New Confirmed and Cumulative Rabies Cases, Week Ending April 28, 2012

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										0
Anne Arundel	1				1		4	1		7
Baltimore							7			7
Baltimore City										0
Calvert	1							1		2
Caroline							2		1	3
Carroll					1		4			5
Cecil		1(1)					4(1)	1		6(2)
Charles	1						4(1)			5(1)
Dorchester		1								1
Frederick							10		1	11
Garrett							2			2
Harford							7			7
Howard							1			1
Kent										0
Montgomery	1						6			7
Prince George's					1			1		2
Queen Anne's					1		4	1		6
Somerset		1					1			2
St. Mary's							1	1		2
Talbot							3			3
Washington		1					1			2
Wicomico							3	1		4
Worcester							7			7
Total (New)	4	4(1)	0	0	4	0	71(2)	7	2	92(3)

Other: Sheep 1; Opossum 1

For complete animal rabies and other human zoonotic and vector-borne disease case counts, please visit:

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

To review additional disease reports:

Maryland Department of Health and Mental Hygiene Weekly Biosurveillance Report:

<http://preparedness.dhmh.maryland.gov/Pages/Programs/Biosurveillance>

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

http://www.nwhc.usgs.gov/mortality_events?ongoing.jsp

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

http://www.aphis.usda.gov/animal_health

Maryland Department of Health and Mental Hygiene Weekly Influenza Report:

<http://www.marylandfluwatch.org/>