

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	Counties affected	Species affected	Diagnosis	Estimated # of cases to date	Lead agency	Comment
August 2011	ongoing	28 States	Human - Linked to small turtles	<i>Salmonella</i> Sandiego, Pomona, Poona	149 Maryland (6)	DHMH	See below
February 2012	ongoing	20 States	Human - Linked to live poultry	<i>Salmonella</i> Montevideo	66	DHMH	Page 2
March 2012	ongoing	25 States	Human - Linked to live poultry	<i>Salmonella</i> Infantis, Newport, Lille	123 Maryland (1)	DHMH	Page 2
October 2011	ongoing	13 States	Human - Linked to dry dog food	<i>Salmonella</i> Infantis	22	DHMH	Page 2

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@dhmh.state.md.us, 410-767-5649
- DNR - Maryland Department of Natural Resources, Fish & Wildlife Health Program, FWHP@dnr.state.md.us, 410-226-5193

Salmonella, Salmonella, and more Salmonella...

As reported in MOHB Volume 2, Issues 5 and 6, there are numerous ongoing national outbreaks of salmonellosis as a result of zoonotic transmission. To date, Maryland has confirmed cases of outbreak-associated salmonellosis linked with small turtle exposure and live poultry exposure. The following summarizes these ongoing national investigations:

Six Multistate Outbreaks of Human *Salmonella* Infections Linked to Small Turtles

CDC is collaborating with public health officials in multiple states to investigate overlapping, multistate outbreaks of human *Salmonella* infections linked to exposure to turtles or their environments (e.g., water from a turtle habitat). Overall, 6 multistate outbreaks of human *Salmonella* infection are linked with exposure to small turtles. A total of 149 persons infected with outbreak strains of *Salmonella* Sandiego, *Salmonella* Pomona, and *Salmonella* Poona have been reported from 28 states, including 6 patients in Maryland.

Additional information is available at: <http://www.cdc.gov/salmonella/small-turtles-03-12/index.html>

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.dhmh.maryland.gov/OIDEOR/CZVBD/SitePages/Home.aspx

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***Salmonella*, *Salmonella* and more *Salmonella* (continued):**

Multistate Outbreak of Human *Salmonella* Montevideo Infections Linked to Live Poultry

CDC is collaborating with public health and agriculture officials in many states (at this time not Maryland) and the U.S. Department of Agriculture's (USDA) Animal and Plant Health Inspection Service, National Poultry Improvement Plan, and Veterinary Services to investigate an outbreak of human *Salmonella* Montevideo infections linked to chicks and ducklings from Estes Hatchery in Springfield, Missouri. A total of 66 persons infected with the outbreak strain of *Salmonella* Montevideo have been reported from 20 states.

Additional information is available at: <http://www.cdc.gov/salmonella/montevideo-06-12/index.html>

Multistate Outbreak of Human *Salmonella* Infections Linked to Live Poultry

CDC is collaborating with public health and agriculture officials in many states and the U.S. Department of Agriculture's (USDA), Animal and Plant Health Inspection Service, National Poultry Improvement Plan (NPIP) and Veterinary Services to investigate an outbreak of human *Salmonella* infections linked to chicks and ducklings. A total of 123 persons infected with outbreak strains of *Salmonella* Infantis, *Salmonella* Newport, and *Salmonella* Lille have been reported from 25 states, including one patient in Maryland. Epidemiologic, laboratory and traceback findings have linked this outbreak of human *Salmonella* infections to exposure to chicks and ducklings from Mt. Healthy Hatchery in Ohio. This is the same mail-order hatchery that was associated with the 2011 outbreak of *Salmonella* Altona and [Salmonella](#) Johannesburg infections. In May 2012, veterinarians from the Ohio Department of Agriculture inspected the mail-order hatchery and made recommendations for improvement.

Additional information is available at: <http://www.cdc.gov/salmonella/live-poultry-05-12/index.html>

Multistate Outbreak of Human *Salmonella* Infantis Infections Linked to Dry Dog Food

CDC is collaborating with public health and agriculture officials in multiple states and the US Food and Drug Administration (FDA) to investigate an ongoing multistate outbreak of human *Salmonella* Infantis infections. Multiple brands of dry pet food produced by Diamond Pet Foods at a single manufacturing facility in South Carolina have been linked to some of the human *Salmonella* infections. A total of 22 individuals infected with the outbreak strain of *Salmonella* Infantis have been reported, none from Maryland. Twenty ill persons have been reported from 13 states and two ill persons have been reported from Canada.

Additional information is available at: <http://www.cdc.gov/salmonella/dog-food-05-12/index.html>

General recommendations to prevent *Salmonella* infection:

Washing hands is the most important step to prevent illness. Wash hands for at least 20 seconds with water and soap right after handling or cleaning up after pets (including birds and turtles), pet food and treats, and especially before preparing, serving or eating food, drinks or preparing baby bottles.

People who think they might have become ill after contact with pets (including birds and turtles) or dry pet food should consult their health care providers. Infants, older adults, and persons with impaired immune systems are more likely than others to develop severe illness.

Turtle derbies in Maryland

Turtle races and derbies have a long history in many Maryland communities, often in conjunction with Fourth of July celebrations. While turtle races may appear to be a form of harmless family entertainment, they actually present a potential health risk to the turtles involved, the wild turtle populations into which derby turtles may be released, and the human participants. Please see above for information about turtle-associated salmonellosis. MOHB Volume 2, Issue 4 describes the risk to reptile and amphibian populations posed by ranavirus.

MARYLAND ANIMAL RABIES CASES, 2012

Table 2. New (confirmed within the last four weeks) and Cumulative Rabies Cases, Week Ending June 30, 2012

Jurisdiction	Bat Total (New)	Cat Total (New)	Cow Total (New)	Dog Total (New)	Fox Total (New)	Total	Groundhog Total (New)	Raccoon Total (New)	Skunk Total (New)	Other Total (New)	Total (New)
Allegany											0
Anne Arundel	5(2)				1			5	1		12(2)
Baltimore	1				1			8			10
Baltimore City	4(3)							1(1)			5(4)
Calvert		1							1		2
Caroline					1(1)			2		1	4(1)
Carroll					2(1)			5			7(1)
Cecil		2(1)						5	1		8(1)
Charles	2							4			6
Dorchester		1									1
Frederick		1(1)						15(3)		1	17(4)
Garrett								2			2
Harford	1(1)							12(1)			13(2)
Howard								1			1
Kent											0
Montgomery	3				1			10(2)			14(2)
Prince George's	2				1			2(1)	2		7(1)
Queen Anne's					1			4	1		6
Somerset		1						3(2)			4(2)
St. Mary's								3(1)	3(2)		6(3)
Talbot								4(1)	1(1)		5(2)
Washington		1			1			3(1)			5(1)
Wicomico					1(1)			5(2)	1		7(3)
Worcester								12(1)			12(1)
Total (New)	18(6)	7(2)	0	0	10(3)	0	0	107(16)	11(3)	2	154(30)

Other: Sheep 1; Opossum 1

For complete animal rabies data:

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

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

http://mda.maryland.gov/animal_health/diseases/bulletin.php

Maryland Department of Health and Mental Hygiene Weekly Biosurveillance Report:

<http://preparedness.dhmv.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/>