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Navigation

- [Home](#)
- [Search Archives](#)
- [Announcements](#)
- [Recalls/Alerts](#)
- [Calendar of Events](#)
- [Maps of Outbreaks](#)
- [Submit Info](#)
- [Subscribe/Unsubscribe](#)
- [FAQs](#)
- [About ProMED-mail](#)
- [Who's Who](#)
- [Awards](#)
- [Citing ProMED-mail](#)
- [Links](#)

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WEST NILE VIRUS UPDATE 2002 - USA (30)

A ProMED-mail post

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[There is some overlap between some of these reports, but they are
reproduced on account of their different emphasis. - Mod.CP]

In these updates:

- [1] Equids - vaccines regulatory authority: correction
- [2] WHO report (as of Thu 14 Nov 2002)
- [3] USDA-APHIS report (as of Tue 12 Nov 2002)
- [4] ERAP report (latest news, as of Wed 13 Nov 2002)
- [5] MMWR-ArboNET report (USA, 7 Nov to 13 Nov 2002)

[1]

Date: Thu 7 Nov 2002

From: Thomas E Walton <Thomas.E.Walton@usda.gov>

[Dr Tom Walton has sent the following correction which refers to part (3)
"Equids, vaccine performance (Texas)" of "West Nile virus update 2002 -
(USA) (28) [20021031.5674](#)", posted on 31 Oct 2002. - Mod.CP]

Re: West Nile virus: some horses need booster: CORRECTION

In a recent ProMED-mail posting of a media release from the Texas Animal Health Commission, it was stated that "WNV vaccine is produced by Fort Dodge Animal Health and is conditionally licensed by the Food and Drug Administration (FDA), explained veterinarian Terry Conger, TAHC's state epidemiologist."

In fact, veterinary vaccines, diagnostic kits, and other veterinary biologics are regulated by the USDA's Center for Veterinary Biologics, Ames, Iowa. These products are regulated by the United States Department of Agriculture (USDA) under the regulations developed to support the Virus-Serum-Toxin Act of 1913, as amended in 1985."

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[2]

Date: Thu 14 Nov 2002

From: Marianne Hopp <mjhopp12@yahoo.com>

Source: World Health Organisation (WHO), Disease Outbreaks Report, Thu 14 Nov 2002 [edited]

<<http://www.who.int/disease-outbreak-news/n2002/november/14november2002.html>>

West Nile Virus in the United States - WHO update 9

As of Wed 13 Nov 2002, the WHO Collaborating Centre for Arthropod Borne Viruses - Western Hemisphere, at the Centers for Disease Control and Prevention (CDC) has reported 3587 human cases of West Nile virus infection, with 211 deaths occurring in 39 states and the District of Columbia.

During 2002, West Nile virus activity (evidence of infections in birds, humans, mosquitoes, and other animals -- primarily horses -- has been documented in 43 states and the District of Columbia (see previous report: <<http://www.who.int/disease-outbreak-news/n2002/october/30october2002.html>>).

[3]

Date: Thu 4 Nov 2002

From: ProMED-mail <promed@promedmail.org>

Source: United States Department of Agriculture, Animal and Plant Inspection Service, Update on the Current Status of West Nile Virus, as of Tue 12 Nov 2002 [edited]

<<http://www.aphis.usda.gov/oa/wnv/wnvstats.html>>

Equine cases of West Nile virus illness in 2002: 1 Jan to 12 Nov 2002

The total number of equine cases of illness caused by West Nile virus (WNV) confirmed at the USDA's National Veterinary Services Laboratories (NVSL) or reported by state officials so far this year is 13 577. That is an increase of 734 cases from 9 days ago.

The cases are from 39 states: Alabama (88), Arkansas (141), Colorado (378), Connecticut (3), Delaware (8), Florida (353), Georgia (89), Idaho (1), Illinois (1056), Indiana (688), Iowa (1039), Kansas (673), Kentucky (507), Louisiana (358), Maryland (16), Massachusetts (2), Michigan (342), Minnesota (964), Mississippi (288), Missouri (809), Montana (134), Nebraska (1099), New Jersey (47), New Mexico (61), New York (32), North Carolina (13), North Dakota (569), Ohio (647), Oklahoma (733), Pennsylvania (83), South Carolina (7), South Dakota (672), Tennessee (134), Texas (1269), Vermont (5), Virginia (42), West Virginia (3), Wisconsin (127), and Wyoming (96).

[4]

Date Sat 2 Nov 2002

From: ProMED-mail <promed@promedmail.org>

Source: Environmental Risk Analysis Program, Cornell University Center for the Environment, Wed 13 Nov 2002 [edited]

<<http://www.cfe.cornell.edu/erap/WNV/>>

West Nile virus latest news - as of Wed 13 Nov 2002

In 2002 West Nile virus (WNV) has been detected in 43 states across the US and 5 provinces in Canada, from Saskatchewan to Nova Scotia. In the US the only states where it has not been detected are Alaska, Arizona (several cases imported from elsewhere), Hawaii, Idaho (though detected in a raven in a bordering county in Washington), Nevada, Oregon (human case contracted elsewhere), and Utah. In many states WNV has been detected in all, or nearly all, counties, including several on the Mexican border.

As of Wed 13 Nov 2002, the Centers for Disease Control and Prevention (CDC) reports 3587 human cases (211 fatalities) in 39 states and Washington DC. During the week 24 to 30 Oct 2002, 123 new lab-positive human cases were reported (less than half the number reported the previous week, 10 to 16 Oct 2002). The number of human cases and fatalities continues to increase, while the rate of increase has slowed considerably. Largest numbers of new cases are in Indiana (43), while the largest number of cases in 2002 are in Illinois (719), Michigan (472), Ohio (385), Louisiana (317), Indiana (247), Mississippi (182), Missouri (162), Texas (140), and Nebraska (115).

Sirrus, a 12 year old harbor seal at the New Jersey State Aquarium, is recently confirmed to have died on 22 Sep 2002 from WNV infection (disease onset 12 Sep 2002), the first confirmation of a marine mammal dying from WNV in the US. The seal had no health problems after living in the saltwater exhibit for 10 years and how he became infected is unclear. Test results are also pending on the cause of the 2 Sep 2002 death of a 23 year old gray seal at the National Zoo in Washington DC.

Equine cases are up to 11 957 in 38 states, as reported to USDA APHIS by state health officials as of 27 Oct 2002. This is an increase of 431 cases from one week ago. Nebraska and Iowa each have more than 1000 cases, and Illinois and Texas have nearly as many. In Texas the 817 cases represent about 0.1 per cent of the million horses in the state. WNV has now been associated with illness and death in several other mammal species including reindeer, mountain goats, and squirrels.

[5]

Date: Thu 14 Nov 2002

From: ProMED-mail <promed@promedmail.org>

Source: MMWR Morb Mortal Wkly Rep 2002; 51(45); 1026-7 (Fri 15 Nov). West Nile virus activity [edited]

<<http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5145a5.htm>>

West Nile virus activity; United States, Thu 7 Nov to Wed 13 Nov 2002

This report summarizes West Nile virus (WNV) surveillance data reported to CDC through ArboNET and by states and other jurisdictions as of Wed 13 Nov 2002.

During the period Thu 7 Nov to Wed 13 Nov 2002, a total of 80 laboratory positive human cases of WNV associated illness were reported from Michigan (21), Illinois (19), the District of Columbia (7), Alabama (5), Missouri (4), New York (4), Kansas (3), Maryland (3), Virginia (3), Wisconsin (3), Colorado (2), Louisiana (2), Tennessee (2), Montana (1), and New Jersey (1). During this period, Montana reported its first-ever human case of WNV infection.

Also, during the same period, WNV infections were reported in 210 dead crows and 294 other dead birds. A total of 169 veterinary cases and 79 WNV positive mosquito pools were reported.

During 2002, a total of 3587 human cases with laboratory evidence of recent WNV infection has been reported from Illinois (738), Michigan (504), Ohio (413), Louisiana (323), Indiana (247), Mississippi (182), Missouri (169), Texas (148), Nebraska (115), New York (78), Kentucky (67), Pennsylvania (59), Tennessee (54), Iowa (48), Alabama (46), Minnesota (42), Wisconsin (42), South Dakota (37), the District of Columbia (34), Georgia (30), Maryland (28), Virginia (27), Massachusetts (22), Arkansas (21), Florida (18), Connecticut (17), North Dakota (17), Oklahoma (16), Colorado (12), New Jersey (12), Kansas (9), West Virginia (3), North Carolina (2), California (1), Delaware (1), Montana (1), Rhode Island (1), South Carolina (1), Vermont (1), and Wyoming (1).

Among the 3226 patients for whom data were available, the median age was 56 years (range: 1.5 months to 99 years); 1719 (54 per cent) were male, and the dates of illness onset ranged from 10 Jun to 21 Oct 2002. A total of 196 human deaths have been reported. The median age of decedents was 78 years (range: 24 to 99 years); 119 (61 per cent) deaths were among men.

In addition, 7522 dead crows and 5730 other dead birds with WNV infection were reported from 42 states and the District of Columbia; 8312 WNV infections in mammals (8299 equines, three canines, and 10 other species) have been reported from 37 states (Alabama, Arkansas, Colorado, Connecticut, Delaware, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, Montana, Nebraska, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Vermont, Virginia, Wisconsin, and Wyoming).

During 2002, WNV seroconversions have been reported in 366 sentinel chicken flocks from Florida, Iowa, Nebraska, North Carolina, Pennsylvania, Texas, and New York City; 4906 WNV positive mosquito pools have been reported from 27 states (Alabama, Arkansas, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Massachusetts, Mississippi, Missouri, Nebraska, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, South Dakota, Texas, Vermont, and Virginia), New York City, and the District of Columbia.

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[see also:

West Nile virus update 2002 - (USA) (29)	20021107.5747
West Nile virus update 2002 - USA (20)	20020907.5252
West Nile virus update 2002 - USA (19): non-human	20020901.5213
West Nile virus update 2002 - USA (18): human	20020901.5212
West Nile virus update 2002 - USA (17)	20020823.5124
West Nile virus - USA 2001: final report	20020613.4491
West Nile virus update 2002 - USA (01)	20020506.4109
West Nile virus, predicted spread in 2002 - USA	20020109.3206
2001	

West Nile virus surveillance 2001 - USA (34)	20011130.2914
West Nile virus surveillance - USA 2000 final report	20010423.0792
West Nile virus surveillance - USA	20010129.0207]

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