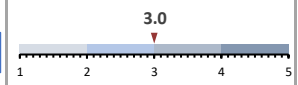


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

White-nose Syndrome

◆ WNS has been confirmed for the first time in **New Mexico**, in deceased bats collected in April 2023 from **Lincoln** and **De Baca**; the fungus causing WNS was previously detected in New Mexico in 2021

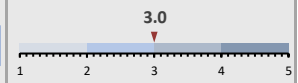
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Vesicular Stomatitis Virus

◆ Additional VSV-affected premises continue to be reported in **California**; as of June 12, a total of 77 VSV-affected premises have been identified (29 confirmed positive, 48 suspect) across five counties: **Los Angeles, Orange, Riverside, San Bernardino, and San Diego**

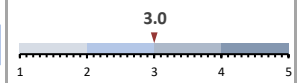
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Rabies

◆ **Alaska** has reported its first case of rabies in a moose, after the animal was noticed acting aggressively around **Teller** and had injuries on its side; 28.8% of red foxes from **Nome** tested positive for rabies this past winter compared to 3-5% normally or 15% during an outbreak

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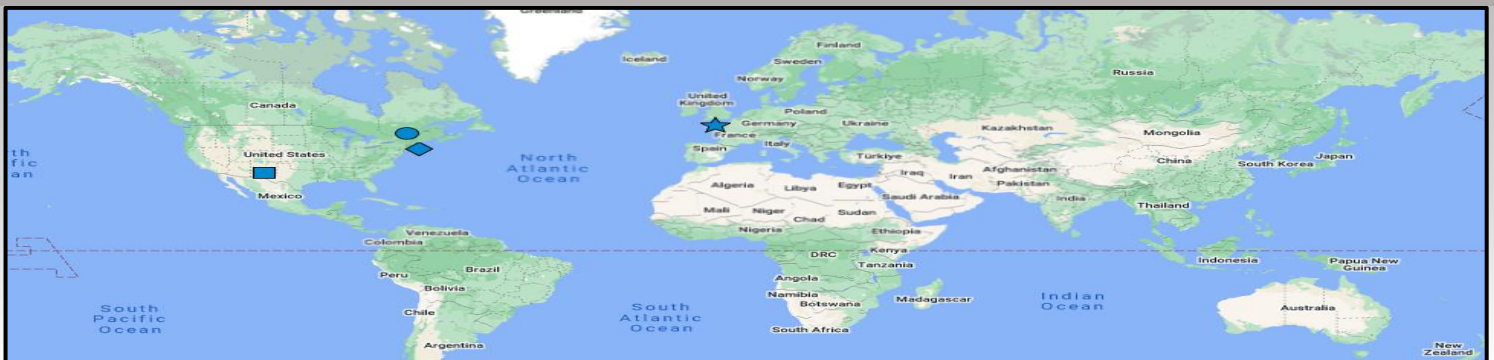
Other

◆ Officials in **Toronto** are advising residents to avoid physical contact with raccoons and other wild animals due to a significant increase in raccoon bites/scratches; as of May 31, there have been 88 reports of people being bitten/scratched by raccoons (a 117% increase) compared to the previous five-year average. In 2023 >80% of exposed people received rabies prophylaxis; while the risk of rabies is low in Toronto, the disease is 100% fatal if untreated.

[Read More](#)



NEW EVENTS: (events rated > 2)



White-nose Syndrome in New Mexico

Pathogen: fungus; **Transmission:** direct contact, fomite; **Species affected in event:** bat

① WNS has been confirmed for the first time in New Mexico. Samples from two live bats and two deceased bats were collected in late April 2023 from caves in Lincoln and De Baca counties. The two dead bats (a fringed myotis in Lincoln County and a cave myotis in De Baca County) confirmed positive for WNS. The fungus causing WNS was previously detected in New Mexico in 2021.

[Read More](#)

Avg. Rating	3.0
No. of Signal	1
No. of Ratings	4

Equine Influenza in Quebec

Pathogen: virus; **Transmission:** direct contact, fomite, aerosol; **Species affected in event:** horse

① Equine influenza has been confirmed in three horses in Quebec. There are another 29 suspected cases at six facilities across southern Quebec. All six affected stables are epidemiologically linked to two Standardbred racing events.

[Read More](#)

Avg. Rating	2.5
No. of Signal	1
No. of Ratings	4

Sowerby's Beaked Whale Mortality in Massachusetts

Pathogen: unknown; **Transmission:** unknown; **Species affected in event:** whale

① A juvenile female Sowerby's beaked whale (*Mesoplodon bidens*), one of the deepest diving animals in the ocean, has died after an unusual stranding in Gloucester, Massachusetts. Necropsy results indicated that the beaked whale had a viral infection that caused its brain to become inflamed and swollen. Scientists are still testing the cerebral tissue to determine the cause of infection, with avian influenza being a top consideration.

[Read More](#)

Avg. Rating	2.3
No. of Signal	1
No. of Ratings	4

Hepatitis E Virus in Jersey

Pathogen: virus; **Transmission:** fecal-oral, ingestion; **Species affected in event:** human

① Jersey is investigating hepatitis E virus (HEV) infections in adults linked to the consumption undercooked pork. Since 2010, England and Wales have reported an increase in human HEV infections caused by genotype 3, which is zoonotic. The increase is associated with the emergence of a new phylotype, HEV G3-group 2; however, HEV G3-2 has not been detected in indigenous UK pigs, suggesting human infections could be the result of consumption of pork products originating outside the UK.

[Read More](#)

Avg. Rating	2.2
No. of Signal	1
No. of Ratings	6

CONTINUED EVENTS: (events rated ≥ 2.4)

<u>Vesicular Stomatitis in the USA</u>	<u>No. of Signals: 02</u>	<u>No. of weeks in report: 03</u>	<u>Avg. Rating: 2.7 – 3.0</u>
<ul style="list-style-type: none"> Additional VSV-affected premises continue to be reported in California; as of June 12, a total of 77 VSV-affected premises have been identified (29 confirmed positive, 48 suspect) across five counties: Los Angeles, Orange, Riverside, San Bernardino, and San Diego 			
<u>Rabies in North America</u>	<u>No. of Signals: 05</u>	<u>No. of weeks in report: 06</u>	<u>Avg. Rating: 2.0 – 3.0</u>
<ul style="list-style-type: none"> Alaska has reported its first case of rabies in a moose, after the animal was noticed acting aggressively around Teller and had injuries on its side; 28.8% of red foxes from Nome tested positive for rabies this past winter compared to 3-5% normally or 15% during an outbreak Between January and May of 2023, Maine confirmed 30 cases of rabies in raccoons, skunks, bats, a fox, and a woodchuck; Maine reported a total of 35 rabies cases in all of 2022 Various US states (Florida, Nevada, Arizona, Colorado, Virginia, and Utah) have reported rabies cases in: bats, cats, dogs, and foxes (as well as some human exposure) throughout May and early June 2023 In Nunavut, two foxes and a domestic dog having tested positive for rabies in Pond Inlet Ontario reported an additional case of rabies in a skunk in St. Catharines at the end of May 2023 			
<u>Porcine Epidemic Diarrhea in Canada</u>	<u>No. of Signals: 01</u>	<u>No. of weeks in report: 12</u>	<u>Avg. Rating: 2.7</u>
<ul style="list-style-type: none"> Ontario has reported eight outbreaks of PED from May 29 – June 9 2023 in various farm types, from nurseries, to farrow-to-wean, and finisher operations 			
<u>Influenza A (H5N6) in China</u>	<u>No. of Signals: 04</u>	<u>No. of weeks in report: 46</u>	<u>Avg. Rating: 2.2 – 2.7</u>
<ul style="list-style-type: none"> China has reported another human case of avian influenza A (H5N6), the case involves a 54-year-old female from Sichuan, who had exposure to live domestic poultry before the onset of symptoms From 2014 to date, 84 human cases of avian influenza A(H5N6) have been reported by Mainland health authorities; with 59 of the 84 cases reported in the past three years 			
<u>African Swine Fever in the Caribbean</u>	<u>No. of Signals: 02</u>	<u>No. of weeks in report: 20</u>	<u>Avg. Rating: 2.0 – 2.5</u>
<ul style="list-style-type: none"> The Dominican Republic will be starting to apply the NAVET-ASFVAC vaccine, developed by Vietnamese and US scientists, to meat pigs (8 to 10 weeks of age) initially on a smaller scale as part of the vaccination plan, before scaling larger to cover 100% of the country's pigs The USDA has pulled back ASF eradication funding from Hispaniola, shifting their focus from an eradication strategy to more of a chronic management strategy as the disease is now viewed as endemic on the island; the USDA will use the remaining funds to protect U.S. borders from ASF 			
<u>Highly Pathogenic Avian Influenza in South America</u>	<u>No. of Signals: 14</u>	<u>No. of weeks in report: 29</u>	<u>Avg. Rating: 2.0 – 2.2</u>
<ul style="list-style-type: none"> Chile and Paraguay have reported HPAI H5N1 in domestic poultry Brazil has reported five new cases of HPAI H5N1 in wild bird across the country, bringing the total confirmed HPAI cases to 30 Brazil has decided to ban all tourists from the islands of Vitória, Espírito Santo, after confirming 20 cases of HPAI 			
<u>Highly Pathogenic Avian Influenza in Europe</u>	<u>No. of Signals: 14</u>	<u>No. of weeks in report: 129</u>	<u>Avg. Rating: 2.0</u>
<ul style="list-style-type: none"> Germany and England have reported HPAI H5N1 in domestic poultry Hungary, France, Latvia, Italy, Germany, Slovenia, Austria, Lithuania, and Sweden have reported HPAI H5N1 in wild birds Finland has reported HPAI H5 in wild birds In Ireland, the Belfast nature reserve has been closed to the public after a number of gulls were found dead, testing is underway to determine cause of death Spain has reported HPAI in aquatic birds in Valencia; six people who have come into contact with the contaminated birds are in good health, show no symptoms of infection, and are being actively monitored A summary of the overall HPAI situation in Europe is available here 			
<u>Highly Pathogenic Avian Influenza in Asia</u>	<u>No. of Signals: 01</u>	<u>No. of weeks in report: 104</u>	<u>Avg. Rating: 2.0</u>
<ul style="list-style-type: none"> Japan has reported HPAI H5N1 in wild birds 			

SCIENTIFIC FINDINGS & REPORTS:

African Swine Fever

- ◆ Pre-print: Estimating the effectiveness of control actions on African swine fever transmission in commercial swine populations in the United States [Read More](#)

Coronavirus

- ◆ Efficient Direct and Limited Environmental Transmission of SARS-CoV-2 Lineage B.1.22 in Domestic Cats [Read More](#)

Influenza

- ◆ Ecogeographic Drivers of the Spatial Spread of Highly Pathogenic Avian Influenza Outbreaks in Europe and the United States, 2016 – Early 2022 [Read More](#)
- ◆ Characterization of an Emergent Chicken H3N8 Influenza Virus in Southern China: a Potential Threat to Public Health [Read More](#)
- ◆ WOA - Animal Health Forum on Avian Influenza – Policy to Action: The case of Avian Influenza – Reflections for Change [Read More](#)
- ◆ PAHO - Epidemiological Alert - Influenza, respiratory syncytial virus and SARS-CoV-2 - 6 June 2023 [Read More](#)

Vectors and Vector-borne Diseases

- ◆ Asian long horned tick discovered in Nantucket for first time [Read More](#)
- ◆ Emergence of ehrlichiosis by a new tick-borne *Ehrlichia* species in China [Read More](#)
- ◆ Long-distance spread of Tembusu virus, and its dispersal in local mosquitoes and domestic poultry in Chongming Island, China [Read More](#)
- ◆ Vector competence of *Anopheles stephensi* for O'nyong-nyong virus: a risk for global virus spread [Read More](#)

Other

- ◆ Intestinal infection with *Echinococcus multilocularis* in a dog [Read More](#)
- ◆ SHIC Domestic Disease Monitoring Report – June 2023 [Read More](#)
- ◆ SHIC Global Disease Monitoring Report – June 2023 [Read More](#)

Disclaimer

This intelligence report is intended to provide information to risk managers about emerging and zoonotic disease events that could pose a threat to Canada. It is based on information signals acquired and selected from twenty-one distinct disease surveillance sources via the Knowledge Integration using Web-based Intelligence (KIWI) tool hosted on the Canadian Network for Public Health Intelligence (CNPHI) informatics platform. The report is based on the activities of the CEZD Community of Practice and subject to change based on evolving user needs.