

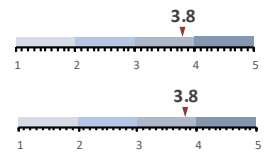
SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

Highly Pathogenic Avian Influenza

- ◆ In Canada, another outbreak of HPAI H5N1 has been confirmed in western **Nova Scotia**, at a mixed farm which includes poultry and products for local sale
- ◆ The USDA has confirmed the presence of HPAI in commercial poultry in **Kentucky** and **Indiana**, backyard mixed species birds in **Virginia**, and wild birds in **New Hampshire** and **Delaware**

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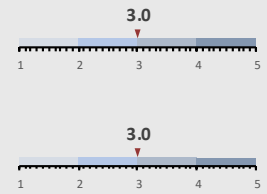


Rabies

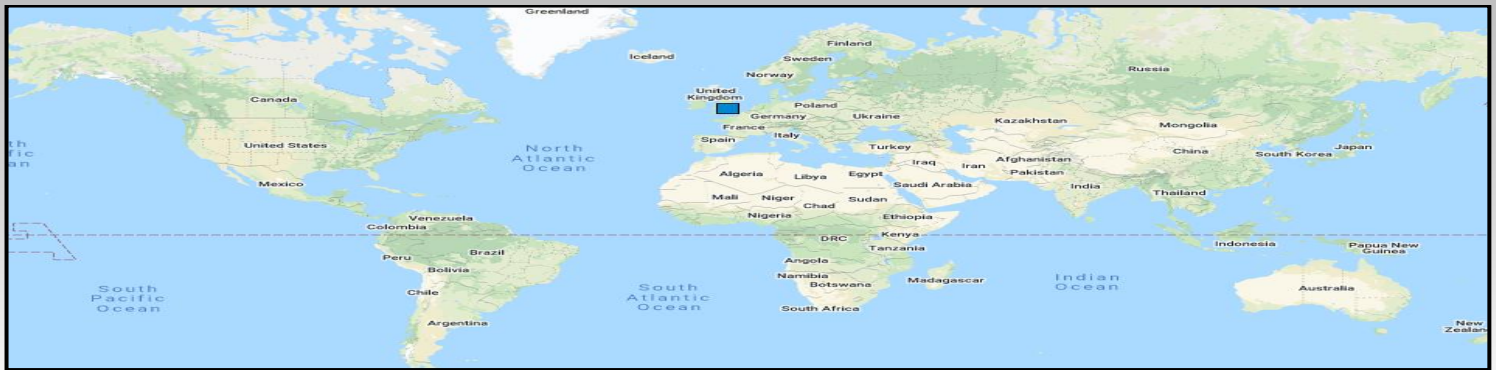
- ◆ **Nunavut** seems to be experiencing a peak year for rabies, however it may be due to an increase in the Arctic fox population as well as changing dynamics (environment and animal movement) as a result of climate change
- ◆ **Newfoundland and Labrador** has confirmed three positive rabies cases in foxes in Nain and is awaiting confirmation on four additional suspect cases, including three in Nain and one in Hopedale

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NEW EVENTS: (events rated > 2)



- **Lassa fever in travelers in England**
Pathogen: Virus ; **Transmission:** Direct contact, fomite ; **Species affected in event:** Human

Ⓞ The UK has reported three cases (one death) of Lassa fever in East England. The cases are related to recent travel to West Africa and all the cases are from the same household. Prior to these cases, there have been eight cases of Lassa fever imported to the UK since 1980, with the last two cases being reported in 2009.

[Read More](#)

Avg. Rating	2.0 - 2.3
No. of Signal	3
No. of Ratings	2 - 4

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America

No. of Signals: 06

No. of weeks in report: 06

Avg. Rating: 2.0 - 3.8

- In [Canada](#), the CFIA has confirmed another outbreak of HPAI H5N1 in western Nova Scotia, this time at a mixed farm which includes poultry and products for local sale
- The [USDA](#) has confirmed the presence of HPAI in commercial poultry in Kentucky and Indiana, backyard mixed species birds in Virginia, and wild birds in New Hampshire and Delaware

Rabies in Canada

No. of Signals: 02

No. of weeks in report: 03

Avg. Rating: 2.0 - 3.0

- [Nunavut](#) seems to be experiencing a peak year for rabies, however it may be due to an increase in the Arctic fox population as well as changing dynamics of the environment and animal movement as a result of climate change
- [Newfoundland and Labrador](#) has confirmed three positive rabies cases in foxes in Nain and is awaiting confirmation on four additional suspect cases, including three in Nain and one in Hopedale

African Swine Fever in Asia

No. of Signals: 04

No. of weeks in report: 137

Avg. Rating: 2.0 - 2.8

- The [Philippines](#), [Malaysia](#), and [Thailand](#) have reported outbreaks of ASF in domestic swine
- [South Korea](#) continues to report cases of ASF in wild boar

African Swine Fever in Europe

No. of Signals: 08

No. of weeks in report: 126

Avg. Rating: 2.0 - 2.8

- [Ukraine](#), [Bulgaria](#), and [Moldova](#) have reported outbreaks of ASF in domestic swine
- [Italy](#), [Germany](#), [Hungary](#), [Latvia](#), [Romania](#), [Ukraine](#), and [Russia](#) have reported cases of ASF in wild boar

CONTINUED EVENTS: (events rated ≥ 2.4)

<u>Bovine Tuberculosis in the USA</u>	<u>No. of Signals: 02</u>	<u>No. of weeks in report: 06</u>	<u>Avg. Rating: 2.5 – 2.8</u>
<ul style="list-style-type: none"> • In Michigan, bTB was recently confirmed in one animal from an Oscoda County dairy herd, located in Michigan's Modified Accredited Zone • Michigan wildlife scientists have found 16 white-tailed deer infected with bTB among those submitted by hunters for screening in 2021, and more may be found as testing wraps up 			
<u>Highly Pathogenic Avian Influenza in Europe</u>	<u>No. of Signals: 17</u>	<u>No. of weeks in report: 61</u>	<u>Avg. Rating: 2.0 – 2.8</u>
<ul style="list-style-type: none"> • The Czech Republic, Russia, Portugal, Slovakia, and Denmark have reported outbreaks of HPAI H5N1 in domestic poultry • In Spain, authorities have slaughtered more than 130,000 hens after an outbreak of HPAI was detected at an intensive farming operation in the northern region of Castile and Leon • Germany, the Czech Republic, Romania, and Slovakia have reported cases of HPAI H5N1 in wild birds • Germany has also reported HPAI H5N2 in wild birds • Belgium has reported HPAI H5 in wild birds • A summary of the overall HPAI situation in Europe is available here 			
<u>Highly Pathogenic Avian Influenza in Asia</u>	<u>No. of Signals: 03</u>	<u>No. of weeks in report: 49</u>	<u>Avg. Rating: 2.0 – 2.5</u>
<ul style="list-style-type: none"> • Japan has reported HPAI H5N1 in wild birds • South Korea has reported another outbreak of HPAI H5N1 in domestic poultry • The HPAI outbreak reported last week from Taiwan has been serotyped as H5N2 			
<u>Highly Pathogenic Avian Influenza in Africa</u>	<u>No. of Signals: 01</u>	<u>No. of weeks in report: 24</u>	<u>Avg. Rating: 2.0</u>
<ul style="list-style-type: none"> • Cameroon has reported an outbreak of HPAI H5N1 on a poultry farm in Kongso, West region 			

SCIENTIFIC FINDINGS & REPORTS:

- ◆ Asian Longhorned Tick present in 17 US states [Read More](#)
- ◆ DEFRA Updated Outbreak Assessment – HPAI in UK and Europe [Read More](#)
- ◆ Ecological niche modeling predicting the potential distribution of African horse sickness virus from 2020 to 2060 [Read More](#)
- ◆ Situation analysis on the roles and risks of wildlife in the emergence of human infectious diseases [Read More](#)
- ◆ Surveillance and genetic data support the introduction and establishment of Aedes albopictus in Iowa, USA [Read More](#)
- ◆ Riding the Wave: Reactive Vector-Borne Disease Policy Renders the United States Vulnerable to Outbreaks and Insecticide Resistance [Read More](#)
- ◆ Surveillance for potentially zoonotic viruses in rodent and bat populations and behavioral risk in an agricultural settlement in Ghana [Read More](#)
- ◆ Ebola virus persistence and disease recrudescence in the brains of antibody-treated nonhuman primate survivors [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.