

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

Highly Pathogenic Avian Influenza	<ul style="list-style-type: none"> An outbreak of HPAI H5N1 was confirmed in a commercial turkey flock (~12000 birds) in western Nova Scotia 	Read More	
Rabies	<ul style="list-style-type: none"> A second case of canine variant rabies has been reported in Ontario in January 2022 in a dog that was imported (in June 2021) from Iran; follow up investigation identified 42 human contacts, of which 37 were given post-exposure prophylaxis 	Read More	
Equine Infectious Anemia	<ul style="list-style-type: none"> There was a marked increase in the number of cases of EIA in Canada in 2021 compared to previous years 	Read More	
African Swine Fever	<ul style="list-style-type: none"> Haiti has reported additional outbreaks of ASF in domestic backyard swine 	Read More	
Chronic Wasting Disease	<ul style="list-style-type: none"> A case of CWD has been confirmed for the first time in Louisiana, in a white-tailed deer in Tensas Parish 	Read More	

NEW EVENTS: (events rated > 2)

No new events to report this week

CONTINUED EVENTS: (events rated ≥ 2.4)

<u>Highly Pathogenic Avian Influenza in North America</u>	<u>No. of Signals: 09</u>	<u>No. of weeks in report: 05</u>	<u>Avg. Rating: 2.8 – 3.8</u>
<ul style="list-style-type: none"> In Canada, the CFIA has confirmed an outbreak of HPAI H5N1 in a commercial turkey flock with ~12000 birds in western Nova Scotia The USDA has updated their list of HPAI findings in wild birds, it now includes 91 wild bird HPAI H5 detections since the middle of January, with findings reported from Florida and Maryland for the first time 			
<u>Rabies in Canada</u>	<u>No. of Signals: 03</u>	<u>No. of weeks in report: 02</u>	<u>Avg. Rating: 2.3 – 3.3</u>
<ul style="list-style-type: none"> A second case of canine variant rabies has been reported in Ontario in January 2022 in a dog that was imported (in June 2021) from Iran, follow up investigation identified 42 human contacts, of which 37 were given post-exposure prophylaxis; the first case was identified in July 2021 in an adult dog that developed clinical signs within 10 days of arrival in Canada; both cases had been vaccinated for rabies in Iran prior to importation with a vaccine that is not licensed in Canada 			
<u>African Swine Fever in the Caribbean</u>	<u>No. of Signals: 02</u>	<u>No. of weeks in report: 13</u>	<u>Avg. Rating: 3.0</u>
<ul style="list-style-type: none"> Haiti has reported additional outbreaks of ASF in domestic backyard swine 			
<u>Equine Infectious Anemia in Canada</u>	<u>No. of Signals: 01</u>	<u>No. of weeks in report: 02</u>	<u>Avg. Rating: 3.0</u>
<ul style="list-style-type: none"> There was a marked increase in the number of cases of EIA in Canada in 2021 compared to previous years 			
<u>Chronic Wasting Disease in the USA</u>	<u>No. of Signals: 02</u>	<u>No. of weeks in report: 17</u>	<u>Avg. Rating: 2.8 – 3.0</u>
<ul style="list-style-type: none"> A case of CWD has been confirmed for the first time in Louisiana, in a white-tailed deer in Tensas Parish 			
<u>African Swine Fever in Asia</u>	<u>No. of Signals: 05</u>	<u>No. of weeks in report: 136</u>	<u>Avg. Rating: 2.0 – 2.8</u>
<ul style="list-style-type: none"> Thailand has reported additional outbreaks of ASF in domestic swine The Philippines have reported additional outbreaks of ASF in domestic swine South Korea continues to report cases of ASF in wild boar 			
<u>African Swine Fever in Europe</u>	<u>No. of Signals: 11</u>	<u>No. of weeks in report: 125</u>	<u>Avg. Rating: 2.0 – 2.6</u>
<ul style="list-style-type: none"> Moldova, Romania, Russia, and Bulgaria have reported outbreaks of ASF in domestic swine Romania, Latvia, Hungary, Ukraine, Russia, and Italy have reported cases of ASF in wild boar 			

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 14

No. of weeks in report: 60

Avg. Rating: 2.0 – 2.6

- [Moldova](#), [Germany](#), the [Netherlands](#), and [Bulgaria](#) reported outbreaks of HPAI H5N1 in domestic poultry
- [Germany](#), [Sweden](#), [Finland](#), [Slovenia](#), [Hungary](#), [Romania](#), [Austria](#), [Ireland](#), and [Poland](#) have reported cases of HPAI H5N1 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 07

No. of weeks in report: 48

Avg. Rating: 2.0 – 2.6

- [South Korea](#) has reported an additional case of HPAI at a chicken farm, bringing the total number of cases in poultry to 25 this winter season
- [Taiwan](#) has reported an outbreak of HPAI on a chicken farm in Erlin Town; more than 20,000 chickens were culled
- [Nepal](#) has reported an outbreak of the HPAI H5N1 on a poultry farm in Morang; the virus killed 3,510/5,160 birds on the farm, the rest were culled
- [Israel](#) has reported cases of HPAI H5N1 in wild birds

Highly Pathogenic Avian Influenza in Africa

No. of Signals: 03

No. of weeks in report: 23

Avg. Rating: 2.0 – 2.6

- [South Africa](#) has reported outbreaks of HPAI H5N1 in domestic poultry in Gauteng
- The [Ivory Coast](#) has reported two outbreaks of HPAI H5N1 in domestic poultry, one in Grand-Bassam and the other in Abidjan
- [Namibia](#) has reported cases of HPAI H5N1 in wild birds

Bovine Tuberculosis in the USA

No. of Signals: 01

No. of weeks in report: 05

Avg. Rating: 2.5

- [Michigan](#) has reported two cases of bTB at privately-owned (farmed) cervid facilities in Sanilac and Alcona counties; the cases were found through routine surveillance testing and are the fifth and sixth farmed cervid facilities to be identified with bTB

Foot and Mouth Disease in Africa

No. of Signals: 01

No. of weeks in report: 03

Avg. Rating: 2.4

- [Tunisia](#) has reported cases of FMD serotype O in cattle in Jarraya

SCIENTIFIC FINDINGS & REPORTS:

- ◆ First Evidence of Natural SARS-CoV-2 Infection in Domestic Rabbits [Read More](#)
- ◆ Susceptibility of sheep to experimental co-infection with the ancestral lineage of SARS-CoV-2 and its alpha variant [Read More](#)
- ◆ Zoonotic Infection with Oz Virus, a Novel Thogotovirus [Read More](#)
- ◆ Spillover of Canine Parvovirus Type 2 to Pigs, South Dakota, USA, 2020 [Read More](#)
- ◆ Factors Influencing Distribution of *Coccidioides immitis* in Soil, Washington State, 2016 [Read More](#)
- ◆ Host Correlates of Avian Influenza Virus Infection in Wild Waterfowl of the Sacramento Valley, California [Read More](#)
- ◆ Pre-print: Environmental risk factors associated with the presence of *Mycobacterium ulcerans* in Victoria, Australia [Read More](#)
- ◆ Rickettsiosis Caused by *Rickettsia parkeri*, Mexico [Read More](#)
- ◆ Molecular Evolution and Amino Acid Characteristics of Main Antigen Genes of Clinical Duck-Derived H5N6 Subtype Avian Influenza Virus in East China from 2015 to 2019 [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.