

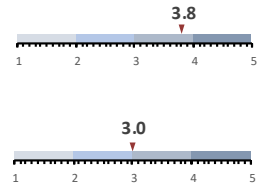
SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

Highly Pathogenic Avian Influenza

- ◆ Canada has confirmed the presence of HPAI H5N1 in two poultry flocks in southern Ontario
- ◆ Over the last week, the USDA has reported outbreaks of HPAI in commercial poultry (South Dakota, Minnesota, Iowa, Nebraska, New York), in backyard birds (South Dakota, Missouri, Nebraska, Kansas, Maine, New York, Minnesota, Michigan), and wild birds (Pennsylvania, South Dakota, Colorado, Iowa, New York, North Dakota, Illinois, Tennessee)

[Read More](#)

[Read More](#)



Japanese Encephalitis Virus

- ◆ In Australia, as of March 27, there have been 33 human cases (22 confirmed, 11 suspected) of JEV and 3 deaths, the virus has also been found in 38 piggeries across four states: Queensland, NSW, Victoria, and South Australia

[Read More](#)



NEW EVENTS: (events rated > 2)

No new events to report this week

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America

No. of Signals: 15

No. of weeks in report: 12

Avg. Rating: 2.0 – 3.8

- Canada has confirmed the presence of HPAI H5N1 in two poultry flocks in southern Ontario
- The USDA has reported outbreaks of HPAI in commercial poultry (South Dakota, Minnesota, Iowa, Nebraska, New York), in backyard birds (South Dakota, Missouri, Nebraska, Kansas, Maine, New York, Minnesota, Michigan), and wild birds (Pennsylvania, South Dakota, Colorado, Iowa, New York, North Dakota, Illinois, Tennessee)

Japanese Encephalitis in Australia

No. of Signals: 05

No. of weeks in report: 03

Avg. Rating: 2.0 – 3.0

- In Australia, as of March 27, there have been [33 human cases](#) (22 confirmed, 11 suspected) of JEV and 3 deaths, the virus has also been found in [38 piggeries](#) across four states: Queensland, NSW, Victoria, and South Australia

Chronic Wasting Disease in the USA

No. of Signals: 02

No. of weeks in report: 19

Avg. Rating: 2.5 – 2.8

- In Minnesota, CWD has been identified in a wild white-tailed deer found within the city of Grand Rapids; this is the first time CWD has been detected in wild deer in this deer permit area

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 08

No. of weeks in report: 67

Avg. Rating: 2.0 – 2.8

- Scotland and Romania have reported outbreaks of HPAI H5N1 in domestic poultry
- Ireland, Russia, Greece, Scotland, and Romania have reported cases of HPAI H5N1 in wild birds
- As of March 28, 2022, France has 1057 outbreaks of HPAI in farms, 39 cases in wildlife and 22 cases in backyards
- A summary of the overall HPAI situation in Europe is available [here](#)

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 03

No. of weeks in report: 54

Avg. Rating: 2.0 – 2.6

- Japan has reported HPAI H5 in a large-billed crow in Iwate
- Nepal has reported an outbreak of HPAI H5N1 in domestic poultry
- The Philippines have reported an outbreak of HPAI H5N8 in domestic poultry in Central Luzon

SCIENTIFIC FINDINGS & REPORTS:

Severe Acute Diarrhea Syndrome Coronavirus (SADS-CoV)

- ◆ First evidence that an emerging mammalian alphacoronavirus is able to infect an avian species [Read More](#)

Avian Influenza

- ◆ Characterization of two chicken origin highly pathogenic H7N9 viruses isolated in northern China [Read More](#)

SARS-CoV-2

- ◆ High Seroprevalence of SARS-CoV-2 in White-Tailed Deer (*Odocoileus virginianus*) at One of Three Captive Cervid Facilities in Texas [Read More](#)
- ◆ From Deer-to-Deer: SARS-CoV-2 is efficiently transmitted and presents broad tissue tropism and replication sites in white-tailed deer [Read More](#)

Other

- ◆ Assessing the risk of human-to-wildlife pathogen transmission for conservation and public health [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.