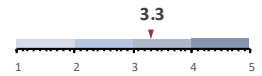


SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

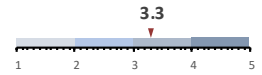
Highly Pathogenic Avian Influenza

- ◆ **Canada** has confirmed the presence of HPAI H5N1 in a sample taken from a red-tailed hawk that was found in the Region of Waterloo (**Ontario**); and in a non-commercial flock in southern **Nova Scotia** that does not produce birds or eggs for sale
- ◆ Over the last week, the **USDA** has reported outbreaks of HPAI in commercial poultry (**South Dakota, Iowa, Maryland, Delaware**), in backyard birds (**Nebraska, Missouri, Maine, Kansas, New Hampshire, Iowa**), and wild birds (**Florida, New Hampshire, Michigan, Iowa, Illinois, Massachusetts**)

[Read More](#)



[Read More](#)



Japanese Encephalitis Virus

- ◆ In **Australia**, as of March 21, there have been 20 confirmed human cases of JEV, the virus has also been found in ~28 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: 17

No. of weeks in report: 11

Avg. Rating: 2.0 – 3.3

- Canada has confirmed the presence of HPAI H5N1 in a sample taken from a red-tailed hawk that was found in the Region of Waterloo ([Ontario](#)); and in a non-commercial flock in southern [Nova Scotia](#) that does not produce birds or eggs for sale
- The [USDA](#) has reported outbreaks of HPAI in commercial poultry (South Dakota, Iowa, Maryland, Delaware), in backyard birds (Nebraska, Missouri, Maine, Kansas, New Hampshire, Iowa), and wild birds (Florida, New Hampshire, Michigan, Iowa, Illinois, Massachusetts)

Japanese Encephalitis in Australia

No. of Signals: 05

No. of weeks in report: 02

Avg. Rating: 2.0 – 3.0

- In [Australia](#), there are 20 confirmed human cases of JEV; the virus has also been found in ~28 piggeries across four states: Queensland, NSW, Victoria, and South Australia

African Swine Fever in Asia

No. of Signals: 03

No. of weeks in report: 142

Avg. Rating: 2.4 – 2.8

- [Thailand](#), [Malaysia](#), and the [Philippines](#) have reported additional outbreaks of ASF in domestic swine

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 14

No. of weeks in report: 66

Avg. Rating: 2.0 – 2.8

- [France](#), the [Netherlands](#), [Germany](#), [Belgium](#), [Scotland](#), and [Portugal](#) have reported outbreaks of HPAI H5N1 in domestic poultry
- [England](#), [Scotland](#), [Ireland](#), [Portugal](#), [Romania](#), and [Belgium](#) have reported cases of HPAI H5N1 in wild birds
- [Albania](#) has reported HPAI H5N8 in commercial poultry in Durres
- A summary of the overall HPAI situation in Europe is available [here](#)

Influenza A (H5N6) in China

No. of Signals: 04

No. of weeks in report: 27

Avg. Rating: 2.4 – 2.6

- [China](#) has reported another human cases of avian influenza A(H5N6), in a 51-year-old female living in Jiangxi Province, who had exposure to live domestic poultry; from 2014 to date, 74 human cases of influenza A(H5N6) have been reported by Mainland health authorities

Illegal Meat Products/Imports

No. of Signals: 02

No. of weeks in report: 06

Avg. Rating: 2.4

- The seizures of prohibited meat products from China continues to increase at the [Los Angeles/Long Beach](#) seaport; in the first quarter of fiscal year 2022 (October-December 2021) U.S. Customs and Border Protection intercepted 262,237 pounds of prohibited pork, chicken, beef, and duck products (a 33% increase from same period the year before)
- U.S. Customs and Border Protection officers also recently seized more than 120 pounds of prohibited fresh pork and poultry meat at the [Laredo Port of Entry](#), when a white minivan arrived at the Juarez-Lincoln Bridge and the driver was referred for a secondary examination

Rabies in Canada

No. of Signals: 01

No. of weeks in report: 04

Avg. Rating: 2.4

- A fox and a dog have both tested positive for rabies in Iqaluit, [Nunavut](#)

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 02

No. of weeks in report: 53

Avg. Rating: 2.0 – 2.4

- [Japan](#) has reported HPAI H5 in a goose in Hukusima
- [Nepal](#) has reported an outbreak of HPAI H5N1 in domestic poultry

SCIENTIFIC FINDINGS & REPORTS:

Porcine Deltacoronavirus

- ◆ Porcine Deltacoronaviruses: Origin, Evolution, Cross-Species Transmission and Zoonotic Potential [Read More](#)
- ◆ First isolation and whole genome characterization of porcine deltacoronavirus from pigs in Peru [Read More](#)

Avian Influenza

- ◆ Multiple Introductions of Reassorted Highly Pathogenic Avian Influenza H5Nx Viruses Clade 2.3.4.4b Causing Outbreaks in Wild Birds and Poultry in The Netherlands, 2020-2021 [Read More](#)

Adenovirus

- ◆ Adenovirus surveillance in wild carnivores from Brazil [Read More](#)

Vectors & Vector Borne Disease

- ◆ Transovarial Transmission of Heartland Virus by Invasive Asian Longhorned Ticks under Laboratory Conditions [Read More](#)
- ◆ Ticks and Tick-Borne Pathogens in Domestic Animals, Wild Pigs, and Off-Host Environmental Sampling in Guam, USA [Read More](#)
- ◆ Isolation of Heartland Virus from Lone Star Ticks, Georgia, USA, 2019 [Read More](#)

Other

- ◆ Virome characterization of game animals in China reveals a spectrum of emerging pathogens [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.