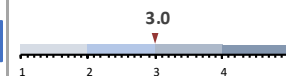


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

Highly Pathogenic Avian Influenza

- ◆ **Finland** has reported HPAI H5N1 in a total of 12 fur farms, together holding >120,000 susceptible animals; they have also established and expanded an infection control zone in order to prevent further spread of the disease

[Read More](#)



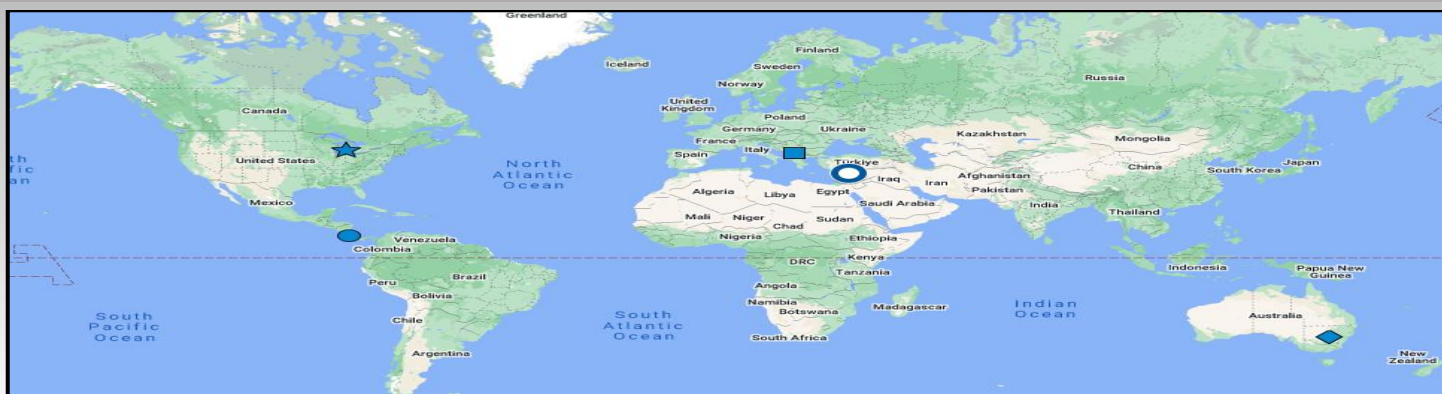
Anthrax

- ◆ The **Northwest Territories** has confirmed 30 cases of anthrax; the disease has also been confirmed in the woods along a 10-kilometre stretch of **NWT Highway 5** in **Wood Buffalo National Park** with nine carcasses observed and two cases confirmed

[Read More](#)



NEW EVENTS: (events rated > 2)



■ African Swine Fever in Kosovo

Pathogen: virus; **Transmission:** direct contact, vector, fomite; **Species affected in event:** swine

① The first case of ASF has been confirmed in the municipality of Klllokot, Kosovo. The Food and Veterinary Agency announced that the affected female pigs have been destroyed and the farm disinfected. An epidemiological investigation of the farms in the 3km perimeter has started.

[Read More](#)

Avg. Rating	2.7
No. of Signal	1
No. of Ratings	6

● New World Screwworm in Costa Rica

Pathogen: parasite; **Transmission:** obligatory wound parasites; **Species affected in event:** cattle

① Costa Rica has reported a recurrence of New World Screwworm. A case of New World Screwworm was reported in a dog in Corredores, near the southern border of the country. Samples were taken and New World Screwworm (*Cochliomyia hominivorax*) was confirmed.

[Read More](#)

Avg. Rating	2.6
No. of Signal	1
No. of Ratings	5

◆ Unexplained Horse Deaths in Australia

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

① Agriculture Victoria is investigating the sudden deaths of a number of horses on separate properties. There is no evidence to suggest these horse deaths are related or caused by an infectious disease. All affected horses have been reported to have died relatively quickly, within hours to one day from the first sign of illness. There has been a confirmed case of Hendra virus in New South Wales, however, Hendra virus has not been detected in Victoria as part of the current investigation, nor is there thought to be any connection between these incidents.

[Read More](#)

Avg. Rating	2.0 - 2.6
No. of Signal	3
No. of Ratings	5 - 6

★ Influenza A in Michigan

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

① Michigan has reported that several pigs present at the Oakland County Fair have tested positive for influenza A virus. The pigs began displaying symptoms on July 14 at the fair, which took place July 7-16 at Springfield Oaks County Park in Davisburg. No human cases of swine flu have been reported in Michigan this year. Additional subtyping will be performed, with an expected turnaround of approximately three weeks.

[Read More](#)

Avg. Rating	2.4
No. of Signal	1
No. of Ratings	5

● Feline Infectious Peritonitis in Cyprus

Pathogen: virus; **Transmission:** fecal-oral, fomite; **Species affected in event:** cat

① An estimated 300,000 cats have died in Cyprus due to a more virulent strain of feline infectious peritonitis. This is a rough calculation based on an estimated 20-30% mortality among the island's ~1 million cats. Veterinarians in Lebanon, Turkey, and Israel, which also have large stray cat populations, were anecdotally reporting similar increases. Officials are advising that cats being imported from Cyprus should be tested before travel and not moved if they test positive.

[Read More](#)

Avg. Rating	2.2
No. of Signal	1
No. of Ratings	5

CONTINUED EVENTS: (events rated ≥ 2.4)

Anthrax in Canada

No. of Signals: 01

No. of weeks in report: 04

Avg. Rating: 3.0

- The [Northwest Territories](#) has confirmed 30 cases of anthrax; the disease has also been confirmed in the woods along a 10-kilometre stretch of NWT Highway 5 in Wood Buffalo National Park with nine carcasses observed and two cases confirmed

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 25

No. of weeks in report: 135

Avg. Rating: 1.2 – 3.0

- [Finland](#) has reported HPAI H5N1 in a total of 12 fur farms, together holding >120,000 susceptible animals; they have also established and expanded an infection control zone in order to prevent further spread of the disease
- The [CDC](#) has released a summary and risk assessment on the HPAI H5N1 situation in Polish cats
- [Scotland](#), [Germany](#), [Belgium](#), [Estonia](#), [Poland](#), [Norway](#), [Isle of Man](#), [Ireland](#), and [Hungary](#) have reported HPAI H5N1 in wild birds
- [Italy](#) has reported HPAI H5N1 in domestic poultry
- [Latvia](#) has reported HPAI H5N1 in a red fox
- A summary of the overall HPAI situation in Europe is available [here](#)

Porcine Reproductive and Respiratory Syndrome in the USA

No. of Signals: 01

No. of weeks in report: 17

Avg. Rating: 2.6

- In the [USA](#), PRRS Lineage 1C variant has shown some region increases in Ohio as well as an increase in the number of sequence detections during summer, possibly due to longer shedding, a higher viral load in the animals, or increased survivability in the environment

Influenza A (H3) in China

No. of Signals: 01

No. of weeks in report: 43

Avg. Rating: 2.4

- [China](#) has reported a severe paediatric case of influenza A in 22-month-old girl; it is unclear if this is a swine/avian variant or seasonal influenza

Highly Pathogenic Avian Influenza in South America

No. of Signals: 03

No. of weeks in report: 35

Avg. Rating: 2.0

- [Colombia](#) has reported HPAI H5N1 in brown pelicans
- [Argentina](#) has reported HPAI H5N1 in domestic poultry in Guemes

SCIENTIFIC FINDINGS & REPORTS:

African Swine Fever

- ◆ Epidemiological analysis of African swine fever in the European Union during 2022 [Read More](#)

Influenza

- ◆ Opinion: Mink farming poses risks for future viral pandemics [Read More](#)

Other

- ◆ Novel molecular diagnostic (PCR) diagnosis and outcome of intestinal *Echinococcus multilocularis* in a dog from western Canada [Read More](#)
- ◆ Emergence of canine hookworm treatment resistance: Novel detection of *Ancylostoma caninum* anthelmintic resistance markers by fecal PCR in 11 dogs from Canada [Read More](#)
- ◆ A Machine Learning and Optimization Framework for the Early Diagnosis of Bovine Respiratory Disease [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.