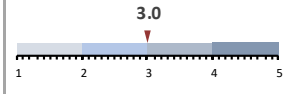


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

Influenza A

- ◆ **Cambodia** has reported two additional, unconnected, human cases of avian influenza A(H5N1), the first in a [3-year-old boy](#) and the second in a [69-year-old man](#), in which both cases had contact with poultry and live ~240km apart in different provinces; these are the 7th and 8th cases of influenza A(H5N1) to be reported by **Cambodia** in less than a year

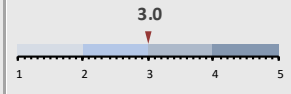
[Read More](#)



Highly Pathogenic Avian Influenza

- ◆ The **Falkland Islands** have confirmed HPAI in swabs from 3 dead Gentoo penguins living on **Sea Lion Island** and have restricted public access; ~20-30 Gentoo chicks and a few adult penguins were observed dead or with clinical signs of disease

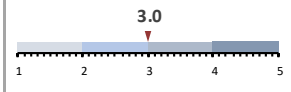
[Read More](#)



Alveolar Echinococcosis

- ◆ Journal article: first case report of a human infection with *Echinococcus multilocularis* in **Ontario**, in a 70-year-old man who owned a dog and frequented hiking trails in **York Region**

[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 South America

No. of Signals: 01

No. of weeks in report: 60

Avg. Rating: 3.0

- The [Falkland Islands](#) have confirmed HPAI in swabs from 3 dead Gentoo penguins living on Sea Lion Island and have restricted public access; ~20-30 Gentoo chicks and a few adult penguins were observed dead or with clinical signs of disease

Influenza A(H5N1) in Cambodia

No. of Signals: 03

No. of weeks in report: 07

Avg. Rating: 2.8 - 3.0

- **Cambodia** has reported two additional, unconnected, human cases of avian influenza A(H5N1), the first in a [3-year-old boy](#) and the second in a [69-year-old man](#), in which both cases had contact with poultry and live ~240km apart in different provinces; these are the 7th and 8th cases of influenza A(H5N1) to be reported by Cambodia in less than a year

Porcine Deltacoronavirus in Canada

No. of Signals: 01

No. of weeks in report: 04

Avg. Rating: 2.5

- Four outbreaks of PDCoV have been reported across [southwestern Ontario](#) since mid-January

Chronic Wasting Disease in Canada

No. of Signals: 01

No. of weeks in report: 09

Avg. Rating: 2.5

- [Manitoba](#) has reported CWD in a female white-tailed deer in the southern-central region near Winkler; this is the first case in this region

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 10

No. of weeks in report: 161

Avg. Rating: 2.0 - 2.3

- [Ukraine](#) and [Hungary](#) have reported HPAI H5N1 in domestic poultry
- [Germany](#) has reported HPAI H5N5 in wild birds
- The [UK](#) and [Sweden](#) have reported HPAI H5N1 in wild birds
- [Sweden](#) and [Finland](#) have reported HPAI H5 in wild birds
- [Germany](#) has reported HPAI in a fox
- A summary of the overall HPAI situation in Europe is available [here](#)

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 08

No. of weeks in report: 126

Avg. Rating: 2.0

- [Japan](#) has reported HPAI H5N5 in wild birds
- [South Korea](#) has reported additional cases of HPAI H5N6 in wild birds
- [Japan](#) and [Israel](#) have reported HPAI H5N1 in wild birds
- [Taiwan](#) has reported HPAI H5N1 in domestic poultry

Highly Pathogenic Avian Influenza in North America

No. of Signals: 03

No. of weeks in report: 100

Avg. Rating: 2.0

- Over the last week, [Canada](#) did not report any outbreaks of HPAI
- Over the last week, the [USA](#) has reported outbreaks of HPAI in commercial poultry in: Kansas(1), South Dakota(1), and Indiana(1); and in WOH non-poultry in: South Carolina(1) and Maine(1)

Highly Pathogenic Avian Influenza in Africa

No. of Signals: 01

No. of weeks in report: 63

Avg. Rating: 2.0

- [South Africa](#) has reported HPAI H7N6 in domestic poultry in Gauteng

SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

Coronavirus

- ◆ SARS-CoV-2 Infection in Beaver Farm, Mongolia, 2021 [Read More](#)
- ◆ SARS-CoV-2 infection in animals: Patterns, transmission routes, and drivers [Read More](#)
- ◆ Predicting potential SARS-CoV-2 spillover and spillback in animals [Read More](#)

Influenza

- ◆ Evolution and Spread of Highly Pathogenic Avian Influenza A(H5N1) Clade 2.3.4.4b Virus in Wild Birds, South Korea, 2022–2023 [Read More](#)
- ◆ Targeted genomic sequencing of avian influenza viruses in wetland sediment from wild bird habitats [Read More](#)
- ◆ Has avian influenza virus H9 originated from a bat source? [Read More](#)
- ◆ Genetic Analysis of H5N1 High-Pathogenicity Avian Influenza Virus following a Mass Mortality Event in Wild Geese on the Solway Firth [Read More](#)
- ◆ Pre-print: Wild bird mass mortalities in eastern Canada associated with the Highly Pathogenic Avian Influenza A(H5N1) virus, 2022 [Read More](#)
- ◆ Germany - Rapid Risk Assessment on highly pathogenic avian influenza H5 (HPAI H5) clade 2.3.4.4B, Version of January 12, 2024 [Read More](#)
- ◆ The panzootic spread of highly pathogenic avian influenza H5N1 sublineage 2.3.4.4b: a critical appraisal of One Health preparedness and prevention [Read More](#)

Vectors and Vector-borne Diseases

- ◆ *Borrelia turicatae* from Ticks in Peridomestic Setting, Camayeca, Mexico [Read More](#)
- ◆ Tick-Borne Encephalitis, Lombardy, Italy [Read More](#)
- ◆ Mosquitoes provide a transmission route between possums and humans for Buruli ulcer in southeastern Australia [Read More](#)
- ◆ *Aedes albopictus* in a recently invaded area in Spain: effects of trap type, locality, and season on mosquito captures [Read More](#)

Other

- ◆ Alveolar Echinococcus in a 70-year-old man in Ontario [Read More](#)
- ◆ Confirmed Autochthonous Case of Human Alveolar Echinococcosis, Italy, 2023 [Read More](#)
- ◆ Using Insurance Claims Data to Estimate Blastomycosis Incidence, Vermont, USA, 2011–2020 [Read More](#)
- ◆ Domestic pigs are susceptible to experimental infection with non-human primate-derived Reston virus without the need for adaptation [Read More](#)
- ◆ Emerging zoonotic diseases in Southeast Asia in the period 2011–2022: a systematic literature review [Read More](#)
- ◆ *Salmonella* Vitkin Outbreak Associated with Bearded Dragons, Canada and United States, 2021–2022 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 21-27 January 2024, week 4 [Read More](#)
- ◆ The guide to implementing the One Health Joint Plan of Action at national level [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.