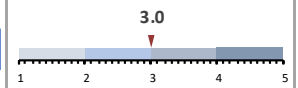


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥3.0)

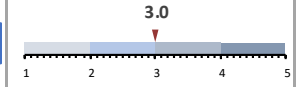
Highly Pathogenic Avian Influenza

- Over the last week, **Canada** has reported outbreaks of HPAI in commercial poultry in: **British Columbia(10), Quebec(1), and Alberta(2)**; in non-commercial poultry in: **Manitoba(1) and Alberta(2)**
- Finland** has reported HPAI H5N1 in four additional fur farms, bringing the total number of affected farms to 60, with 18 of them reported in the past two weeks; non-mink farms (foxes) appear to be testing positive at a higher rate than mink farms

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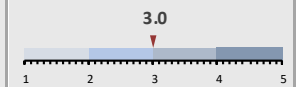
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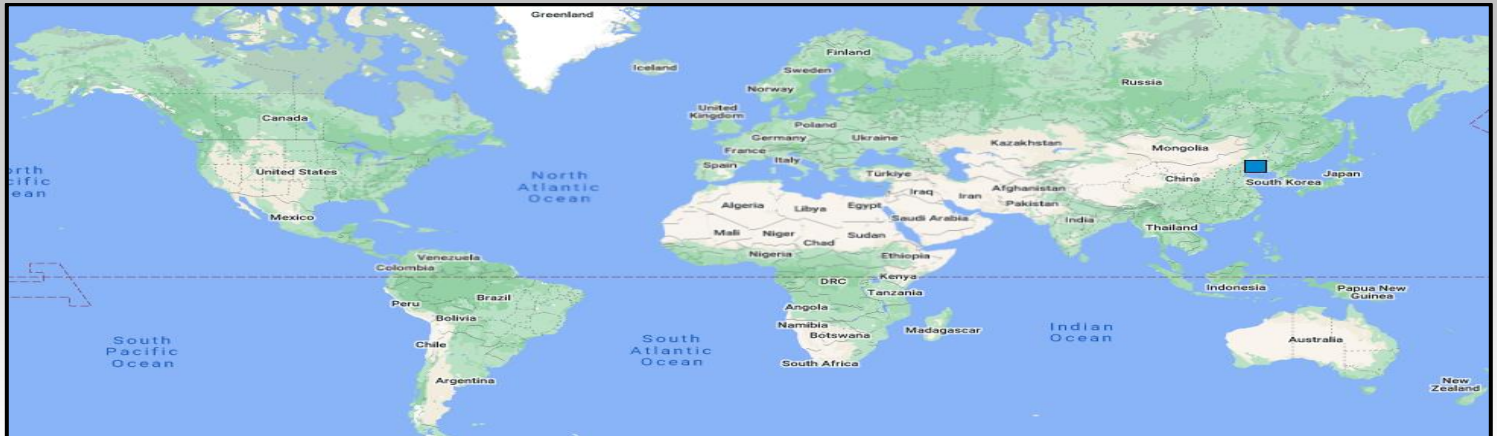
Influenza A (H5N1)

- Cambodia** has reported two additional human cases of avian influenza H5N1 in **Kampot Province**; the first reported infection occurred in a 21 year-old female and the second in a 4 year-old girl who lived next to the first case
 - These are the 5th and 6th cases of Influenza A H5N1 to be reported from **Cambodia** in 2023; the previous four cases have all been confirmed as clade 2.3.2.1c, which has circulated in **Cambodia** among birds/poultry for many years

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NEW EVENTS: (events rated > 2)



Multiple respiratory pathogens circulating in China **Pathogen:** multiple; **Transmission:** multiple; **Species affected in event:** human

① Early last week, unconfirmed media reports were circulating regarding an undiagnosed pneumonia outbreak in children in China. With hospital locations in Beijing and Liaoning being described as overwhelmed with children. The main symptoms mentioned were a high fever, with some kids developing pulmonary nodules.

The WHO met with Chinese health officials and were informed of an increase in outpatient consultations and hospital admissions of children due to *Mycoplasma pneumoniae* since May, and respiratory syncytial virus, adenovirus, and influenza virus since October. Some of these increases are earlier in the season than historically experienced, but not unexpected given the lifting of COVID-19 restrictions, as similarly experienced in other countries.

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Avg. Rating	2.0 - 2.2
No. of Signal	3
No. of Ratings	5

CONTINUED EVENTS: (events rated ≥ 2.4)

Influenza A (H5N1) in Cambodia

No. of Signals: 02

No. of weeks in report: 05

Avg. Rating: 3.0

- [Cambodia](#) has reported two additional human cases of avian influenza H5N1 in Kamptot Province; the first reported infection occurred in a 21 year-old female and the second in a 4 year-old girl who lived next to the first case
- These are the 5th and 6th cases of Influenza A H5N1 to be reported from Cambodia in 2023; the previous four cases have all been confirmed as clade 2.3.2.1c, which has circulated in Cambodia among birds/poultry for many years

Highly Pathogenic Avian Influenza in North America

No. of Signals: 08

No. of weeks in report: 92

Avg. Rating: 2.0 - 3.0

- Over the last week, [Canada](#) has reported outbreaks of HPAI in commercial poultry in: British Columbia(10), Quebec(1), and Alberta(2); in non-commercial poultry in: Manitoba(1) and Alberta(2)
- Over the last week, the [USA](#) has reported outbreaks of HPAI in commercial poultry in: South Dakota(7), Minnesota(8), California(1), Ohio(1), Maryland(1), and Wisconsin(1); in WOAHP poultry in: South Dakota(1) and Georgia(1); in WOAHP non-poultry in: Minnesota(1), Oregon(1), Florida(1), Texas(1), Wisconsin(1), and New Mexico(1)

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 21

No. of weeks in report: 153

Avg. Rating: 2.0 - 3.0

- [Finland](#) has reported HPAI H5N1 in four additional fur farms, bringing the total number of affected farms to 60, with 18 of them reported in the past two weeks; non-mink farms (foxes) appear to be testing positive at a higher rate than mink farms
- [Italy](#), [Germany](#), [Croatia](#), [Scotland](#), the [Netherlands](#), [Denmark](#), and [Hungary](#) have reported HPAI H5N1 in domestic birds
- The [Netherlands](#), [Portugal](#), and [Italy](#) have reported HPAI H5N1 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

Mpox worldwide (Democratic Republic of Congo)

No. of Signals: 02

No. of weeks in report: 23

Avg. Rating: 2.0 - 2.5

- The WHO has released a report on the first confirmed cluster of sexually transmitted Mpox clade I in the [DRC](#), with another outbreak in the country being reported among sex workers, raising concerns it may follow Clade II which caused a worldwide outbreak in 2022

Bluetongue virus in Europe

No. of Signals: 04

No. of weeks in report: 06

Avg. Rating: 2.0 - 2.5

- The [UK](#) has reported four additional cases of BTV serotype 3 in cattle on two additional farms in Kent
- [Germany](#) has reported additional cases of BTV serotype 3 in sheep

Highly Pathogenic Avian Influenza in South America

No. of Signals: 03

No. of weeks in report: 53

Avg. Rating: 2.0 - 2.4

- [Ecuador](#) has reported a mortality event of 7000 frigatebirds due to HPAI H5N1
- [Colombia](#) has reported HPAI H5 in domestic birds in Magdalena

SCIENTIFIC FINDINGS & REPORTS:

Influenza

- ◆ Emergence of novel reassortant H3N3 avian influenza viruses with increased pathogenicity in chickens in 2023

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Vectors and Vector-borne Disease

- ◆ Detection of *Anopheles stephensi* Mosquitoes by Molecular Surveillance, Kenya

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Other

- ◆ New Geographic Records for *Trichinella nativa* and *Echinococcus canadensis* in Coyotes (*Canis latrans*) from Insular Newfoundland
- ◆ Dynamics of CWD prion detection in feces and blood from naturally infected white-tailed deer
- ◆ Fatal Human Neurologic Infection Caused by Pigeon Avian Paramyxovirus-1, Australia
- ◆ ECDC - Communicable disease threats report, 19 - 25 November 2023, week 47

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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.