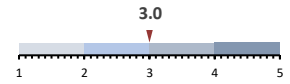


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

Influenza A(H5N1)

- ◆ The CDC has issued an update on the human cases of Influenza A (H5N1) in **Cambodia**, indicating that the genetic sequencing of the first and third patients' specimens identified the virus as clade 2.3.2.1c, and that there is currently no indication of person-to-person spread associated with the four cases

[Read More](#)



NEW EVENTS: (events rated > 2)

No new events to report this week

CONTINUED EVENTS: (events rated ≥ 2.4)

Influenza A(H5N1) in Cambodia

No. of Signals: 01

No. of weeks in report: 09

Avg. Rating: 3.0

- The CDC has issued an update on the human cases of Influenza A (H5N1) in [Cambodia](#), indicating that the genetic sequencing of the first and third patients' specimens identified the virus as clade 2.3.2.1c, and that there is currently no indication of person-to-person spread associated with the four cases

Highly Pathogenic Avian Influenza in Antarctica

No. of Signals: 01

No. of weeks in report: 05

Avg. Rating: 2.7

- The [Falkland Islands](#) have confirmed another case of HPAI, this time in a dead hawk found on Stanley Common; a total of 37 cases (22 suspected and 15 confirmed) have now been reported in the sub-Antarctic and Antarctica

African Swine Fever in Europe

No. of Signals: 10

No. of weeks in report: 152

Avg. Rating: 2.0 – 2.7

- Italy has reported an increase of ASF positive wild boar in recent weeks, in the province of [Pavia](#); ASF has also been detected close to [Italy's](#) border with Switzerland
- [Poland](#), [Romania](#), [Italy](#), [Greece](#), [Latvia](#), [Ukraine](#), and [Hungary](#) have reported cases of ASF in wild boar
- Between May 2023 and January 2024, there were 2,920 reports of ASF across 13 [European countries](#), with the majority coming from Eastern Europe (Bosnia and Herzegovina, Serbia, Romania, and Croatia)

Western Equine Encephalitis in South America

No. of Signals: 04

No. of weeks in report: 04

Avg. Rating: 2.0 – 2.7

- [Uruguay](#) has confirmed three additional human cases of WEE, bringing the total to four; there are also 17 suspected cases of the disease
- [Argentina](#) has reported 42 confirmed positive human cases of WEE, 15 probable cases and 176 suspected cases, distributed across 30 municipalities of Buenos Aires
- According to a [PAHO update](#), as of 5 February 2024 there were 2,438 outbreaks of WEE in animals (1,419 in Argentina, 1,018 in Uruguay, and one in Brazil)

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 22

No. of weeks in report: 164

Avg. Rating: 2.0

- [Finland](#) has reported six additional outbreaks of HPAI in fur farms, bringing the total number of outbreaks to 71
- [Moldova](#), the [Czech Republic](#), [Poland](#), [Russia](#), [Bulgaria](#), the [UK](#), [Germany](#), and [Denmark](#) have reported HPAI H5N1 in domestic poultry
- [Denmark](#), the [Czech Republic](#), [Lithuania](#), [Romania](#), [Sweden](#), [Italy](#), and [Bosnia and Herzegovina](#) have reported HPAI H5N1 in wild birds
- [Germany](#) has reported HPAI at the Cologne Zoo
- A summary of the overall HPAI situation in Europe is available [here](#)

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 07

No. of weeks in report: 129

Avg. Rating: 2.0

- [Japan](#) has reported HPAI H5N6 in domestic poultry
- [Israel](#) has reported HPAI H5N1 in cranes found dead or dying along the Hula Valley

Highly Pathogenic Avian Influenza in North America

No. of Signals: 05

No. of weeks in report: 103

Avg. Rating: 2.0

- [Canada](#) did not report any outbreaks of HPAI over the last week
- Over the last week, the [USA](#) has reported outbreaks of HPAI in WOH non-poultry in: Pennsylvania(1) and Idaho(1)
- In [Vermont](#), a bobcat and two hawks have tested preliminary positive for HPAI; awaiting secondary confirmation

Highly Pathogenic Avian Influenza in Africa

No. of Signals: 03

No. of weeks in report: 66

Avg. Rating: 2.0

- [Nigeria](#) has reported HPAI H5N1 in domestic poultry in Kebbi
- [South Africa](#) has reported HPAI H5 in domestic birds(ostrich) in Western Cape

Highly Pathogenic Avian Influenza in South America

No. of Signals: 02

No. of weeks in report: 61

Avg. Rating: 2.0

- [Brazil](#) has reported HPAI H5N1 in two wild birds (sandpiper) in Rio Grande do Sul; these are the first confirmations of HPAI in the state for 2024

Influenza A(H10N5) in China

No. of Signals: 01

No. of weeks in report: 51

Avg. Rating: 2.0

- In [China](#), the patient who was coinfecting with Influenza A (H10N5) and (H3N2) had reported exposure to live poultry through the purchase of a duck; from the duck meat stored in the fridge seven samples tested positive for H10N5, and two samples were positive for N5; the patient had no contact with pigs or other mammals and environmental samples collected from her home all tested negative

SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

African Swine Fever

- ◆ African swine fever at the wildlife-livestock interface: challenges for management and outbreak response within invasive wild pigs in the United States [Read More](#)

Coronavirus

- ◆ Pre-print: Emergence and spread of SARS-CoV-2 variants from farmed mink to humans and back during the epidemic in Denmark, June–November 2020 [Read More](#)
- ◆ Biphasic MERS-CoV Incidence in Nomadic Dromedaries with Putative Transmission to Humans, Kenya, 2022–2023 [Read More](#)

Chronic Wasting Disease

- ◆ Prospective fecal microbiomic biomarkers for chronic wasting disease [Read More](#)

Influenza

- ◆ Recent Changes in Patterns of Mammal Infection with Highly Pathogenic Avian Influenza A(H5N1) Virus Worldwide [Read More](#)
- ◆ Highly pathogenic avian influenza virus H5N1 clade 2.3.4.4b from Peru forms a monophyletic group with Chilean isolates in South America [Read More](#)
- ◆ Protection conferred by an H5 DNA vaccine against highly pathogenic avian influenza in chickens: The effect of vaccination schedules [Read More](#)
- ◆ The evolution, pathogenicity and transmissibility of quadruple reassortant H1N2 swine influenza virus in China: A potential threat to public health [Read More](#)
- ◆ Highly Pathogenic Avian Influenza A(H5N1) Virus Clade 2.3.4.4b in Domestic Ducks, Indonesia, 2022 [Read More](#)

Mpox

- ◆ Novel Clade I genome sequences from the ongoing mpox virus outbreak of Kamituga in South Kivu province, Democratic Republic of Congo [Read More](#)

Vectors and Vector-borne Diseases

- ◆ Risk of death following chikungunya virus disease in the 100 Million Brazilian Cohort, 2015–18: a matched cohort study and self-controlled case series [Read More](#)
- ◆ Emergence of a novel reassortant Oropouche virus drives persistent outbreaks in the Brazilian Amazon region from 2022 to 2024 [Read More](#)

Other

- ◆ *Candida auris* detected in the oral cavity of a dog in Kansas [Read More](#)
- ◆ The dog as a sentinel and animal model for coccidioidomycosis [Read More](#)
- ◆ Potentially Zoonotic Enteric Infections in Gorillas and Chimpanzees, Cameroon and Tanzania [Read More](#)
- ◆ *Taenia martis* Neurocysticercosis-Like Lesion in Child, Associated with Local Source, the Netherlands [Read More](#)
- ◆ Emergence of Thelaziosis Caused by *Thelazia callipaeda* in Dogs and Cats, United States [Read More](#)
- ◆ State of the World's Migratory Species Report [Read More](#)
- ◆ ECDC - Communicable disease threats report, 11 – 17 February 2024, week 7 [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.