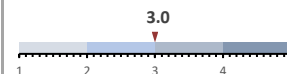


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

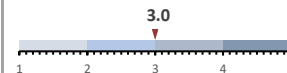
Highly Pathogenic Avian Influenza

- ◆ The CFIA has identified the HPAI H5N1 infection reported in **British Columbia** ostriches as genotype D1.3, a novel reassortment not seen elsewhere in **Canada**
- ◆ Journal article: Evidence of Viremia in Dairy Cows Naturally Infected with Influenza A Virus, **California, USA**
 - Study results suggest that a percentage of lactating cows on H5N1 affected dairies experience viremia before or during the peak of clinical cases in the herd
 - Viral presence in bloodstream suggests that multiple exposure pathways might be possible, including oral and respiratory routes
 - Viremia enables the virus to reach many tissues in the body, including the kidneys, and raises concern for food safety and whether viremia could lead to the presence of H5N1 virus in meat from culled dairy cows

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Influenza A (H5N1)

- ◆ **Cambodia** has reported a fatal human case of avian influenza A(H5N1) in an 11-year-old boy from **Kampong Spue province** who had contact with sick/dying poultry

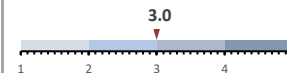
[Read More](#)



Erhlichia chaffeensis

- ◆ Journal article: *Ehrlichia chaffeensis* DNA in *Haemaphysalis longicornis* Ticks, **Connecticut, USA**
 - One *Haemaphysalis longicornis* nymph tested positive for *E. chaffeensis* in **Stratford** county, **Connecticut** from a sample collected in May 2021

[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: 02

No. of weeks in report: 19

Avg. Rating: 3.0

- [Cambodia](#) has reported a fatal human case of avian influenza A(H5N1) in an 11-year-old boy from Kampong Spue province who had contact with sick/dying poultry

Highly Pathogenic Avian Influenza in North America

No. of Signals: 06

No. of weeks in report: 170

Avg. Rating: 1.5 - 3.0

- [Canada](#) has not reported any outbreaks of HPAI in domestic poultry over the past week
- The CFIA has identified the HPAI H5N1 infection reported in [British Columbia](#) ostriches as genotype D1.3, a novel reassortment not seen elsewhere in Canada
- Over the last week, the [USDA](#) has reported outbreaks of HPAI in domestic poultry in: Arizona(2); and in live bird markets in: New Jersey(1)
- As of June 2, 2025, the [USDA](#) has reported influenza A (H5N1) in 1072 dairy herds across 17 states; Wyoming(1), North Carolina(1), Ohio(1), Oklahoma(2), Arizona(4), Kansas(4), South Dakota(7), [Minnesota](#)(9), New Mexico(9), Nevada(11), Iowa(13), Utah(13), Texas(29), [Michigan](#)(31), [Colorado](#)(64), Idaho(107), and California(766); no new outbreaks were reported in the last week
- Wastewater surveillance dashboards for influenza can be found at the [CDC](#) and Stanford University's [WastewaterSCAN](#)

Lyme Disease and Anaplasmosis in the USA

No. of Signals: 01

No. of weeks in report: 06

Avg. Rating: 2.8

- In [Michigan](#), cases of Lyme disease have increased by 165% within the last five years and cases of anaplasmosis are also on the rise; the state recorded 452 cases of Lyme disease in 2020 and 1,215 cases in 2024 and for anaplasmosis, cases increased from 17 cases in 2020 to 82 cases in 2024

Influenza A(H5N1) in Bangladesh

No. of Signals: 01

No. of weeks in report: 03

Avg. Rating: 2.7

- UPDATE: The human case of influenza A(H5N1) in Jessore, [Bangladesh](#) has been reassessed and confirmed as IAV H5N1 clade 2.3.2.1a; a second sample collected via sentinel surveillance in February 2025 from a 10-month-old infant in Jhikargach was also submitted to GISAID on May 26, 2025

Influenza A(H5N1) in China

No. of Signals: 01

No. of weeks in report: 69

Avg. Rating: 2.5

- [China](#) has reported a human case of avian influenza A(H5N1), imported from Vietnam, in a 53-year-old woman from Guangxi Autonomous Region; she has recovered and was discharged on April 11, 2025

Highly Pathogenic Avian Influenza in South America

No. of Signals: 09

No. of weeks in report: 88

Avg. Rating: 1.8 - 2.5

- [Brazil](#) has reported additional cases HPAI H5N1 in non-poultry birds, most recently cases in captive ornamental birds on 280-hectare farm in the rural area of Mateus Leme, Minas Gerais (~20km from one of the largest poultry production centers in the state)
- [Brazil](#) has not yet tested cattle for HPAI

New World Screwworm in Central & North America

No. of Signals: 06

No. of weeks in report: 29

Avg. Rating: 1.5 - 2.5

- A research model has predicted that the NWS may arrive in Sonora, [Mexico](#), by September 2025 or potentially earlier as the fly can travel ~4km a day by flying or up to 400km a day on transport trucks
- The [USDA](#) is investing \$21 million to renovate an existing fruit fly production facility in Metapa, Mexico to further the long-term goal of eradicating the NWS; current restrictions on live animal imports from Mexico remain in place and will be re-evaluated every 30 days
- [Mexico](#) has reported two additional human cases of NWS bringing the total number of human cases to six (5 in Chiapas, 1 in Campeche); [Mexico](#) has also reported a total of 1676 animal cases of NWS
- [Guatemala](#) has reported four additional human cases of NWS

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 01

No. of weeks in report: 190

Avg. Rating: 2.2

- In [India](#), all poultry shops in Gorakhpur, Uttar Pradesh, have been shut down for 21 days following the detection of HPAI H5N1 and LPAI H9N2 in bird samples from five city localities

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 08

No. of weeks in report: 226

Avg. Rating: 2.0 - 2.2

- [England](#) and [Latvia](#) have each reported an outbreak of HPAI H5N1 in domestic birds
- [England](#), [Spain](#), [Germany](#), and the [Netherlands](#) have reported HPAI H5N1 in wild birds
- [Lithuania](#) has reported HPAI H5N1 in captive birds in a backyard farm
- The [UK](#) has recognized France's HPAI vaccination program for commercial ducks and will permit meat products obtained from commercial ducks vaccinated against HPAI
- A summary of the overall HPAI situation in Europe is available [here](#)

Influenza A(H5) in the USA

No. of Signals: 01

No. of weeks in report: 42

Avg. Rating: 1.5

- The [US HHS](#) has notified [Moderna](#) that it will terminate the funding for the late-stage development and right to purchase pre-pandemic mRNA H5 influenza vaccines

SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

African Swine Fever

- ◆ Prospective Case-Control Study of Determinants for African Swine Fever Introduction in Commercial Pig Farms in Poland, Romania, and Lithuania [Read More](#)

Coronavirus

- ◆ Update on the Epidemiology of Middle East Respiratory Syndrome Coronavirus — Worldwide, 2017–2023 [Read More](#)

Foot and Mouth Disease

- ◆ Foot-and-mouth disease virus O/ME-SA/SA-2018: A new emerging threat posed by viruses circulating in Asia? [Read More](#)

Influenza

- ◆ Evidence of Viremia in Dairy Cows Naturally Infected with Influenza A Virus, California, USA [Read More](#)
- ◆ Pre-print: Novel Highly Pathogenic Avian Influenza (A)H5N1 Triple Reassortant in Argentina, 2025 [Read More](#)
- ◆ Evolution, spread and impact of highly pathogenic H5 avian influenza A viruses [Read More](#)
- ◆ Environmental monitoring and spatiotemporal trend analysis of avian influenza virus in Xinjiang, 2021-2023 [Read More](#)
- ◆ Surveillance of avian influenza through bird guano in remote regions of the global south to uncover transmission dynamics [Read More](#)
- ◆ Evaluation of country preparedness for Nipah and avian influenza zoonotic viral threats in Bangladesh [Read More](#)

Mpox

- ◆ Characteristics of the first confirmed case of human infection with mpox virus clade Ib in China [Read More](#)

Vectors and Vector-borne Diseases

- ◆ *Ehrlichia chaffeensis* DNA in *Haemaphysalis longicornis* Ticks, Connecticut, USA [Read More](#)
- ◆ Re-emergence of Oropouche virus as a novel global threat [Read More](#)
- ◆ *Francisella tularensis* Subspecies *holarctica* in Stranded Beluga Whales, Cook Inlet, Alaska, USA [Read More](#)

Other

- ◆ Viral Families with Pandemic Potential [Read More](#)
- ◆ Two distinct host-specialized fungal species cause white-nose disease in bats [Read More](#)
- ◆ Proliferative arrest induces neuronal differentiation and innate immune responses in normal and Creutzfeldt-Jakob Disease agent (CJ) infected rat septal neurons [Read More](#)
- ◆ Severe *Capnocytophaga Canimorsus* Purpura Fulminans After a Cat Bite in an Asplenic Patient: Diagnostic and Therapeutic Challenges [Read More](#)
- ◆ New York State - Global Health Update Report - 05/29/2025 [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 03/06/2025 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 24 - 30 May 2025, week 22 [Read More](#)
- ◆ SHIC Global Disease Monitoring Report – June 2025 [Read More](#)
- ◆ SHIC Domestic Disease Monitoring Report – June 2025 [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.