

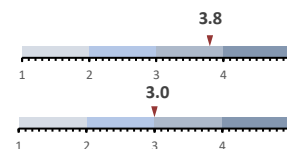
SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

Highly Pathogenic Avian Influenza

- Over the last week, **Canada** has reported outbreaks of HPAI in commercial poultry in: **British Columbia**(7), **Manitoba**(2), and **Saskatchewan**(2)
- In **Alberta**, visitors and symptomatic workers at Butterfield Acres Petting Farm are being tested for influenza A after nine cases of HPAI H5N1 were identified in poultry

[Read More](#)

[Read More](#)



Theileriosis

- Canada** has reported its first case of *Theileria orientalis* Ikeda, in the **Kawartha lakes** area, in a dairy cow that was imported from the USA

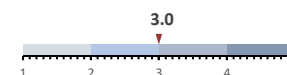
[Read More](#)



Influenza A (H5N1)

- Cambodia** has reported another human case (the 17th of 2025) of avian influenza A(H5N1), in a 14-year-old girl from **Takeo province**; no additional information on her illness or exposure has been provided

[Read More](#)



African Swine Fever

- Taiwan** has reported its first outbreak of ASF, in a pig farm in **Taichung**; initial sequencing suggested the strain is similar to those found in Vietnam

[Read More](#)



NEW EVENTS: (events rated > 2)



- Theileria orientalis* Ikeda in Canada**
Pathogen: protozoan parasite; **Transmission:** vector; **Species affected in event:** cattle

① The CFIA was notified on October 8, 2025, of a suspicion of Theileriosis in a dairy cow with regenerative anemia located in Kawartha Lakes, Ontario. The cow was imported from the USA on July 15, 2025. The CFIA National Centre for Foreign Animal Disease has confirmed the sample to be positive for *Theileria orientalis* Ikeda through metagenomic sequencing and genotype identification. This is the first detection of Theileriosis in Canada. No control measures are undertaken to control the disease.

[Read More](#)

Avg. Rating	3.8
No. of Signal	1
No. of Ratings	5

- African Swine Fever in Taiwan**

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

① On October 25, 2025, Taiwan [confirmed](#) its first case of ASF on a pig farm in Taichung. Samples were sent to the National Reference Laboratory for diagnosis on October 21, 2025 after reports of increased mortality. Initial sequencing suggests that the strain is genetically similar to those found in Vietnam.

[Read More](#)

Avg. Rating	2.4 - 3.0
No. of Signal	5
No. of Ratings	3 - 5

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America

No. of Signals: 07

No. of weeks in report: 189

Avg. Rating: 2.0 - 3.8

- Over the last week, [Canada](#) has reported outbreaks of HPAI in commercial poultry in: British Columbia(7), Manitoba(2), Saskatchewan(2),
- In [Alberta](#), visitors and symptomatic workers at Butterfield Acres Petting Farm are being tested for influenza A after nine cases of HPAI H5N1 were identified in poultry
- Over the last week, the [USDA](#) has reported outbreaks of HPAI in commercial poultry in: Minnesota(3), South Dakota(1), Georgia(1), and California(1); in WOAHP poultry in: Pennsylvania(5), Idaho(1), Indiana(1); and in WOAHP Non-poultry in: Montana(3), Minnesota(1), Michigan(1), Idaho(1), and Wyoming(1)
- As of October 27, 2025, the [USDA](#) has reported influenza A (H5N1) in 1081 dairy herds across 18 states; Nebraska(1), Wyoming(1), North Carolina(1), Ohio(1), Oklahoma(2), Kansas(4), Arizona(5), South Dakota(7), [Minnesota](#)(9), New Mexico(9), Nevada(11), Iowa(13), Utah(13), Texas(30), [Michigan](#)(31), [Colorado](#)(64), Idaho(108), and California(771); no new outbreaks were reported in the past week
- The [USDA](#) has reported 364 detections of HPAI in wild birds between September 21 - October 21, 2025, with Michigan making up the majority with 119 detections
- The [USDA](#) has also recently reported HPAI H5 in a black bear in Colorado
- Wastewater surveillance dashboards for influenza can be found at the [CDC](#) and Stanford University's [WastewaterSCAN](#)

Influenza A(H5N1) in Cambodia

No. of Signals: 01

No. of weeks in report: 28

Avg. Rating: 3.0

- [Cambodia](#) has reported another human case (the 17th of 2025) of avian influenza A(H5N1), in a 14-year-old girl from Takeo province; no additional information on her illness or exposure has been provided

Influenza A(H9N2) in China

No. of Signals: 01

No. of weeks in report: 74

Avg. Rating: 2.8

- [China](#) has reported four additional human cases of influenza A(H9N2), all reported retrospectively from February 2025

Influenza A(H5) in Bangladesh

No. of Signals: 01

No. of weeks in report: 07

Avg. Rating: 2.8

- [Bangladesh](#) has confirmed a human case of avian influenza A(H5) in a boy in Sylhet Division, who developed fever and cough on July 27, was admitted to hospital on August 1, and released on August 7; the child had no history of travel and no reported exposure to backyard poultry, however the family purchased chickens from a local market in the days preceding the child's illness

New World Screwworm in Central America & Mexico

No. of Signals: 02

No. of weeks in report: 42

Avg. Rating: 2.0 - 2.8

- The [USDA](#) has released a response playbook on the NWS, including information on surveillance, quarantine, treatment, sterile insect technique, wildlife management, and maintaining business continuity
- [Mexico](#) has reported 67 human cases of NWS infestation (Chiapas = 60, Campeche = 3, Yucatan = 3, Tabasco = 1)

Mpox Worldwide (North America and Europe)

No. of Signals: 02

No. of weeks in report: 41

Avg. Rating: 2.0 - 2.8

- Cases of mpox clade Ib have recently been reported across [Europe](#), in Spain(1), the Netherlands(1), Italy(2) and Portugal(1), in men who have sex with men, with no recent travel history to mpox-endemic areas
- In the USA, [California](#) has recently reported 3 cases of mpox clade I in individuals with no recent travel history, and no clear link identified between the cases

Rabies in Canada

No. of Signals: 01

No. of weeks in report: 08

Avg. Rating: 2.4

- As of the end of September 2025, [Canada](#) has reported 236 cases of rabies in animals this year, with 100 cases reported in bats in Ontario and 65 cases in raccoons in Quebec

Lumpy Skin Disease in Europe

No. of Signals: 04

No. of weeks in report: 16

Avg. Rating: 2.0 - 2.4

- [Spain](#) has reported additional outbreaks of LSD, bringing the total number of outbreaks to 18
- [France](#) has reported additional outbreaks of LSD, bringing the total number of outbreaks to 94; with additional reports in Occitanie and Bourgogne-Franche-Comté
- [Italy](#) has reported one additional outbreak of LSD in Sardinia, bringing to total number of outbreaks to 76

Highly Pathogenic Avian Influenza in Antarctica

No. of Signals: 01

No. of weeks in report: 13

Avg. Rating: 2.3

- Wildlife scientists believe HPAI has reached the sub-Antarctic [Heard Island](#) after they witnessed unusual levels of mortality in elephant seals

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 27

No. of weeks in report: 246

Avg. Rating: 2.0 - 2.2

- [Bulgaria](#), [France](#), [Germany](#), [England](#), [Slovakia](#), [Belgium](#), [Poland](#), [Denmark](#), and the [Netherlands](#) have reported outbreaks of HPAI in domestic poultry
- [France](#), [Italy](#), [Austria](#), [Denmark](#), [Germany](#) (cranes), and the [South Georgia and the South Sandwich Islands](#) (British Overseas Territory in the Southern Atlantic Ocean) have reported HPAI in wild birds
- [Iceland](#) has reported HPAI H5 in a wild bird, however it was negative for N1 and N5 and is assumed to be a new serotype in the country
- [France](#) has raised its risk level for HPAI from moderate to high
- [Luxembourg](#) authorities have issued a directive for all poultry to be kept indoors to prevent HPAI from spreading to farms
- A summary of the overall HPAI situation in Europe is available [here](#)

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 05

No. of weeks in report: 210

Avg. Rating: 2.0 - 2.2

- [Japan](#), [Cambodia](#), and [South Korea](#) have reported outbreaks of HPAI in domestic poultry
- [Japan](#) has also reported HPAI H5N1 in wild birds

SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

Coronavirus

- ◆ A multi-disciplinary approach to identify spillover interfaces of bat coronaviruses to pig farms in Italy [Read More](#)

Influenza

- ◆ Pre-print: Unexpected Detection of Highly Pathogenic Avian Influenza (HPAI) H5N1 virus in bovine Semen [Read More](#)
- ◆ WOA Statement: High Pathogenicity Avian Influenza (HPAI) in Cattle [Read More](#)
- ◆ RNA replicon vaccination confers long-lasting protection against H5N1 avian influenza in 23 zoo bird species [Read More](#)
- ◆ Predator–Prey Trophic Interactions and Seasonality of Highly Pathogenic Avian Influenza Virus in Denmark, 2016–2023 [Read More](#)
- ◆ Resurgence of Zoonotic Highly Pathogenic Avian Influenza A(H5N1) Virus in Cambodia [Read More](#)
- ◆ WHO - Influenza at the human-animal interface Summary and risk assessment, from 26 August to 29 September 2025 [Read More](#)
- ◆ Enhanced replication of a contemporary avian influenza A H9N2 virus in human respiratory organoids [Read More](#)
- ◆ Antivirals for Novel Influenza A Virus Infections [Read More](#)

Vectors and Vector Borne Diseases

- ◆ First finding of *Rickettsia rickettsii* in *Haemaphysalis longicornis* (Acari: Ixodidae) in North America [Read More](#)
- ◆ Under the scales: Identification of ticks in rehabilitated African pangolins and confiscated scales [Read More](#)
- ◆ *Aedes aegypti* mosquito detected in Dublin first time [Read More](#)
- ◆ *Aedes vittatus* mosquito detected in Yucatan, Mexico first time [Read More](#)
- ◆ First mosquito (*Culiseta annulata*) detection in Iceland [Read More](#)
- ◆ DEFRA Updated Outbreak Assessment 5 - Lumpy Skin Disease (LSD) in Europe [Read More](#)

Other

- ◆ WHO Rapid Risk Assessment - Mpox, Global v.5 [Read More](#)
- ◆ Zoonotic *Escherichia coli* and urinary tract infections in Southern California [Read More](#)
- ◆ New York Global Health Update Report - 10/23/2025 [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 28/10/2025 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 18 - 24 October 2025, week 43 [Read More](#)
- ◆ European Commission Animal Disease Information System – Weekly Outbreak Summary [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.