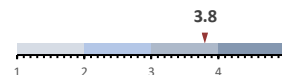


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

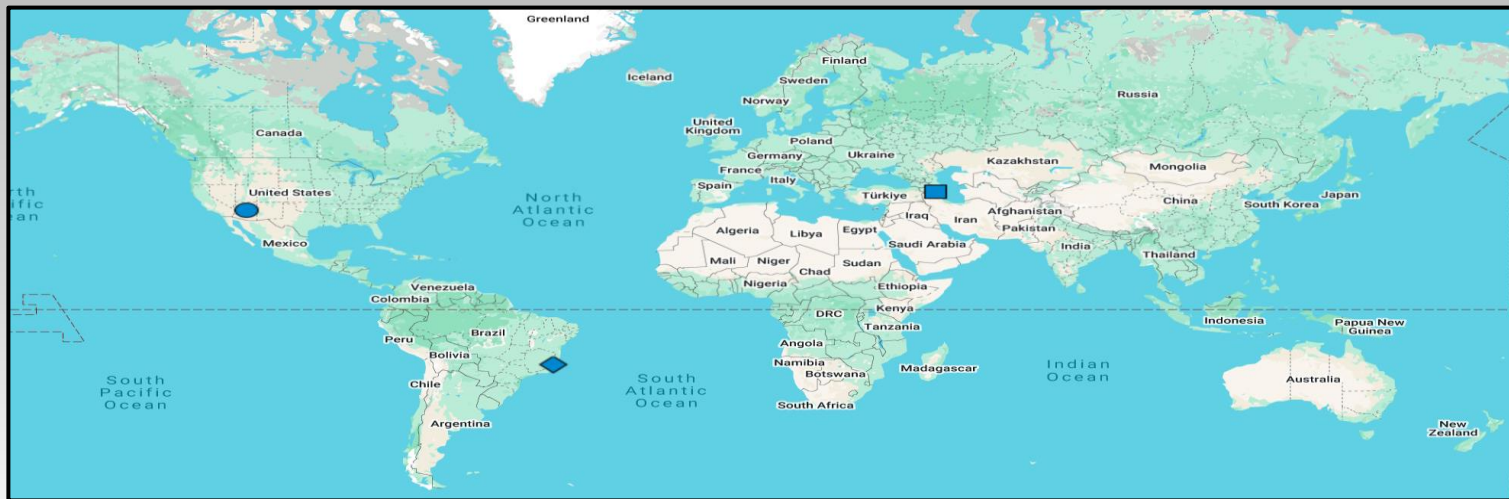
Highly Pathogenic Avian Influenza

- Over the last week, **Canada** has reported outbreaks of HPAI in commercial poultry in: **Alberta(6)**, **British Columbia(6)**; in non-commercial poultry in: **Alberta(2)** and **Saskatchewan(1)**; and in non-commercial non-poultry in: **British Columbia(1)** and **Quebec(1)**

[Read More](#)



NEW EVENTS: (events rated > 2)



Foot and mouth disease SAT-1 in Azerbaijan

Pathogen: virus; **Transmission:** direct contact, aerosol, fomite; **Species affected in event:** cattle

① Azerbaijan has reported its first cases of FMD SAT-1. Two cases were reported in cattle in a farm in Ganja-Qazakh that kept both cattle and small ruminants. Control measures (zoning, monitoring, movement restrictions, culling, and disinfection) have been implemented, however no vaccination has been carried out as the vaccine for this serotype is currently unavailable.

[Read More](#)

Avg. Rating	2.7 - 2.8
No. of Signal	2
No. of Ratings	3 - 4

Vesicular Stomatitis in the USA

Pathogen: virus; **Transmission:** vector; **Species affected in event:** equine

① On October 31, 2025, the USA confirmed two cases of vesicular stomatitis New Jersey virus (VSNJV) in horses on two separate premises in Cochise County, Arizona. A 21-year-old grade mare on the first premises and an 8-year-old Quarter Horse gelding on the second premises. There are 52 additional horses and 120 cattle on the first premises which are not clinically affected and 6 horses and 60 cattle on the second premises not clinically affected.

[Read More](#)

Avg. Rating	2.3
No. of Signal	1
No. of Ratings	3

Unknown illness with pneumonia-like symptoms in Brazil

Pathogen: unknown; **Transmission:** unknown; **Species affected in event:** human

① As of October 30, 2025, an unknown illness that started at the Santa Rita de Cássia Hospital, in Vitória, Brazil, has reached 90 cases; samples are being analysed from 70 employees, 13 companions and 7 patients. Fourteen cases are hospitalized and two are in the ICU. The cause has not yet been identified; however tests have ruled out the possibility of COVID-19 or influenza, and do not point to a virus as the cause of the outbreak.

[Read More](#)

Avg. Rating	2.2
No. of Signal	1
No. of Ratings	5

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America

No. of Signals: 10

No. of weeks in report: 190

Avg. Rating: 1.5 - 3.8

- Over the last week, [Canada](#) has reported outbreaks of HPAI in commercial poultry in: Alberta(6), British Columbia(6); in non-commercial poultry in: Alberta(2) and Saskatchewan(1); and in non-commercial non-poultry in: British Columbia(1) and Quebec(1)
- In Alberta, the city of [Grande Prairie](#) has confirmed HPAI in wild birds
- Over the last week, the [USDA](#) has reported outbreaks of HPAI in commercial poultry in: California(2), Michigan(1), and South Dakota(1); in WOAHP poultry in: Indiana(2) ; and in WOAHP Non-poultry in: Minnesota(1) and Illinois(1)
- As of November 3, 2025, the [USDA](#) has reported influenza A (H5N1) in 1082 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); one new outbreak was added to the total number this week, however it is not specified where
- The [USDA](#) has reported 237 detections of HPAI in wild birds between September 28 - October 28, 2025, with the majority of cases reported in Michigan
- Wastewater surveillance dashboards for influenza can be found at the [CDC](#) and Stanford University's [WastewaterSCAN](#)

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 30

No. of weeks in report: 247

Avg. Rating: 2.0

- [England](#), [Ireland](#), [France](#), [Sweden](#), [Poland](#), [Germany](#), and [Hungary](#) have reported outbreaks of HPAI in domestic poultry
- [France](#), [Slovenia](#), [Poland](#), [Lithuania](#), [Belgium](#), [Austria](#), [Finland](#), [Luxembourg](#), [Germany](#), [England](#), and [Bulgaria](#) have reported HPAI in wild birds
- 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: 211

Avg. Rating: 2.0

- The [Philippines](#) have reported outbreaks of HPAI in domestic poultry
- [Japan](#) has also reported HPAI H5N1 in wild birds

Highly Pathogenic Avian Influenza in Africa

No. of Signals: 03

No. of weeks in report: 88

Avg. Rating: 2.0

- [South Africa](#) and [Nigeria](#) have reported outbreaks of HPAI in domestic poultry
- [South Africa](#) has also reported HPAI H5N1 in wild birds

SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

African Swine Fever

- ◆ Pathogenicity and pathobiological characterization of a recombinant genotype I/II African swine fever virus in pigs [Read More](#)

Coronavirus

- ◆ Pre-print: A divergent betacoronavirus with a functional furin cleavage site in South American bats [Read More](#)
- ◆ Porcine Deltacoronavirus-Related Viruses in House Sparrows [Read More](#)

Influenza

- ◆ Pre-print: A cattle-derived human H5N1 isolate suppresses innate immunity despite efficient replication in human respiratory organoids [Read More](#)
- ◆ Tiger deaths in Vietnam due to infection with H5N1 highly pathogenic avian influenza virus bearing mutations associated with mammalian host adaptation [Read More](#)
- ◆ Asymptomatic Human Infections With Avian Influenza A(H5N1) Virus Confirmed by Molecular and Serologic Testing [Read More](#)
- ◆ Low levels of influenza H5N1 HA and NA antibodies in the human population are boosted by seasonal H1N1 infection but not by H3N2 infection or influenza vaccination [Read More](#)
- ◆ Outbreak Reports: Epidemiological and Genetic Characterization of Three H9N2 Viruses Causing Human Infections — Changsha City, Hunan Province, China, April 2025 [Read More](#)
- ◆ Genetic and Serological Analysis of H7N3 Avian Influenza Viruses in Mexico for Pandemic Risk Assessment [Read More](#)

Vectors and Vector Borne Diseases

- ◆ Exploring the challenge of diagnosing and tracking Oropouche virus during Brazil's largest recorded dengue epidemic in 2024 [Read More](#)
- ◆ Transmission Routes of Oropouche Virus: Potential Role of European Biting Midges and First Oral Infection Attempt in Wild-Caught Culicoides (Subgenus Avaritia) [Read More](#)

Other

- ◆ FAO - Framework for early warning of animal health threats [Read More](#)
- ◆ WHO - National health emergency alert and response framework [Read More](#)
- ◆ Combination of serology and PCR analysis of environmental samples to assess *Coxiella burnetii* infection status in small ruminant farms [Read More](#)
- ◆ UK HSA - Mpox: technical assessment [Read More](#)
- ◆ New York Global Health Update Report - 10/30/2025 [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 04/11/2025 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 25 - 31 October 2025, week 44 [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.