

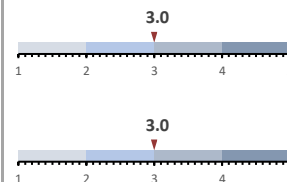
SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

Highly Pathogenic Avian Influenza

- ◆ Over the past week, Canada has reported outbreaks of HPAI in non-commercial poultry in: **Alberta(1)** and **Prince Edward Island(1)**
- ◆ As of May 19, 2025, the USDA has reported influenza A(H5N1) in 1065 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(100)** and **California(766)**
 - The recent outbreaks were reported from **Idaho(10)** and **Texas(2)**

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NEW EVENTS: (events rated > 2)



Foot and Mouth Disease SAT-1 in Türkiye

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

① Türkiye has reported outbreaks of FMD SAT-1 for the first time in ~60 years. Three outbreaks of FMD were reported in the southeast of the country, close to its border with Iraq. Wind is thought to be the source of introduction, due to the fact that the villages are close to the Iraq border and the weather conditions have been windy and stormy in recent periods. Probability of illegal animal movements is also being investigated.

[Read More](#)

Avg. Rating	2.8
No. of Signal	1
No. of Ratings	4

Anthrax in Saskatchewan

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

① Saskatchewan has reported anthrax in dead cattle in the northwestern region of the province. Lab results have confirmed anthrax as the cause of livestock death in the Rural Municipality of Paynton, northwest of North Battleford.

[Read More](#)

Avg. Rating	2.8
No. of Signal	1
No. of Ratings	4

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America

No. of Signals: 05

No. of weeks in report: 168

Avg. Rating: 1.8 - 3.0

- Over the past week, [Canada](#) has reported outbreaks of HPAI in non-commercial poultry in: Alberta(1) and Prince Edward Island(1)
- The federal court of Canada has [dismissed both applications](#) for judicial review of CFIA's cull order regarding the 400 ostriches on a British Columbia farm
- Over the last week, the [USDA](#) has reported outbreaks of HPAI in commercial poultry in: Arizona(1) and South Dakota(1); in WOA non-poultry in: Maryland(1) and Pennsylvania(1); and in live bird market in: New Jersey(1)
- As of May 19, 2025, the [USDA](#) has reported influenza A (H5N1) in 1065 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(100), and California(766); the recent outbreaks were reported from Idaho(10) and Texas(2)
- Wastewater surveillance dashboards for influenza can be found at the [CDC](#) and Stanford University's [WastewaterSCAN](#)

Highly Pathogenic Avian Influenza in South America

No. of Signals: 03

No. of weeks in report: 87

Avg. Rating: 2.0 - 2.5

- [Brazil](#) has reported its first outbreak of HPAI H5N1 in domestic poultry, in a breeder farm in Montenegro, Rio Grande do Sul
- [Brazil](#) has also reported HPAI H5N1 in swans at a zoo in Rio Grande do Sul

Influenza A (H10N3, H9N2) in China

No. of Signals: 01

No. of weeks in report: 68

Avg. Rating: 2.4

- [China](#) has reported its fifth human case of avian influenza A(H10N3) since 2021; the case is a 68-year-old woman from Guangxi Zhuang whose symptoms began in April 2025
- [China](#) has also reported eight additional human cases of avian influenza A(H9N2), across four regions (Guizhou, Hunan, Yunnan, and Chongqing Municipality); all cases experienced symptom onset in April 2025, the majority of cases (7) are children ages 1-7, and one case is a 67-year-old man

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 03

No. of weeks in report: 224

Avg. Rating: 2.0

- The [Czech Republic](#) has reported an outbreak of HPAI H5N1 in domestic birds
- [Belgium](#) has reported HPAI H5 in wild birds
- [Sweden](#) and [Greenland](#) have reported HPAI H5N5 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 02

No. of weeks in report: 188

Avg. Rating: 2.0

- The [Philippines](#) have reported outbreaks of HPAI H5N1 in domestic poultry
- In [India](#), a zoo has closed down after four animals (a tiger, tigress, leopard, and female wolf) have died and HPAI was confirmed in the tigress

Highly Pathogenic Avian Influenza in Africa

No. of Signals: 01

No. of weeks in report: 81

Avg. Rating: 2.0

- [Nigeria](#) has reported HPAI H5N1 in domestic poultry in Kaduna

SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

African Swine Fever

- ◆ Contact between soft tick vectors of African swine fever virus and invasive wild pigs in the southeastern USA [Read More](#)
- ◆ Phylogenomic analysis of African swine fever virus from the Philippines [Read More](#)

Coronavirus

- ◆ Infectious potential and circulation of SARS-CoV-2 in wild rats [Read More](#)

Influenza

- ◆ Clade 2.3.4.4b Highly pathogenic H5N1 influenza viruses from birds in China replicate effectively in bovine cells and pose potential public health risk [Read More](#)
- ◆ Characterization and health, productivity, and economic effects of highly pathogenic avian influenza hemagglutinin type 5 and neuraminidase type 1 outbreak in dairy cattle [Read More](#)
- ◆ Vaccination and surveillance for high pathogenicity avian influenza in poultry-current situation and perspectives [Read More](#)
- ◆ The emergence of highly pathogenic avian influenza H5N1 in dairy cattle: implications for public health, animal health, and pandemic preparedness [Read More](#)
- ◆ Emergence of Antigenic Variants in Bovine H5N1 Influenza Viruses [Read More](#)
- ◆ Investigation of Influenza A(H5N1) Virus Neutralization by Quadrivalent Seasonal Vaccines, United Kingdom, 2021–2024 [Read More](#)
- ◆ PAHO - Epidemiological Update Avian Influenza A(H5N1) in the Americas Region [Read More](#)
- ◆ Human infections with Eurasian avian-like swine influenza virus detected by coincidence via routine respiratory surveillance systems, the Netherlands, 2020 to 2023 [Read More](#)
- ◆ Epitope-optimized vaccine elicits enduring immunity against swine influenza A virus [Read More](#)
- ◆ Vaccine dosage haemagglutinin concentration required to protect birds against highly pathogenic avian influenza A(H7N3) virus and reduce viral replication [Read More](#)
- ◆ Characterization of the avian influenza viruses distribution in the environment of live poultry market in China, 2019–2023 [Read More](#)
- ◆ Adaptive selection of quasispecies during in vivo passaging in chickens, mice, and ferrets results in host-specific strains for the H9N2 avian influenza virus [Read More](#)

Mpox

- ◆ Air and surface sampling for clade Ib monkeypox virus in United Kingdom hospitals, 2024 to 2025 separator [Read More](#)

Other

- ◆ Global distribution and health impact of infectious disease outbreaks, 1996–2023: a worldwide retrospective analysis of World Health Organization emergency event reports [Read More](#)
- ◆ Cave-Associated Histoplasmosis Outbreak Among Travelers Returning from Costa Rica — Georgia, Texas, and Washington, December 2024–January 2025 [Read More](#)
- ◆ Worldwide Trend Observation and Analysis of Sheep Pox and Goat Pox Disease: A Descriptive 18-Year Study [Read More](#)
- ◆ New York State - Global Health Update Report - 05/15/2025 [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 20/05/2025 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 10 - 16 May 2025, week 20 [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.