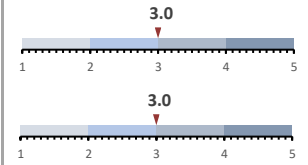


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

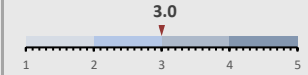
Highly Pathogenic Avian Influenza

- ◆ Over the last week Canada has reported outbreaks of HPAI in commercial poultry in: **Ontario(1)** [Read More](#)
- ◆ As of March 3, 2025, the USDA has reported influenza A(H5N1) in 977 dairy herds across 17 states: **Arizona(1), Wyoming(1), North Carolina(1), Ohio(1), Oklahoma(2), Kansas(4), South Dakota(7), Minnesota(9), New Mexico(9), Nevada(10), Iowa(13), Utah(13), Texas(27), Michigan(31), Idaho(36), Colorado(64), and California(748)**
 - The recent outbreaks were reported from **Idaho(1), California(1), and Nevada(2)** [Read More](#)



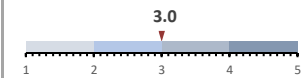
Influenza A(H5N1)

- ◆ **Cambodia** has reported a fatal human case of influenza A(H5N1) in a 2 year-old boy from **Prey Veng** province, who had exposure to sick backyard poultry [Read More](#)



Bovine Tuberculosis

- ◆ A CFIA investigation, following the bTB case in **Saskatchewan** from November 2024, has detected the disease in the birth herd of the infected animal; three additional confirmed cases have been detected in animals tested to date [Read More](#)



NEW EVENTS: (events rated > 2)



Sea Lion Illness in California

Pathogen: unknown; **Transmission:** unknown; **Species affected in event:** sea lions

① More than a dozen sick sea lions have been spotted off the coast of Malibu, California. Due to the animals' behavior and symptoms, the wildlife rescue service believes the sea lions may be suffering from exposure to domoic acid, which can lead to seizures or a comatose state. However, no cause has been confirmed yet. [Read More](#)

Avg. Rating	2.4
No. of Signal	1
No. of Ratings	5

CONTINUED EVENTS: (events rated ≥ 2.4)

Influenza A(H5N1) in Cambodia

No. of Signals: 01

No. of weeks in report: 16

Avg. Rating: 3.0

- [Cambodia](#) has reported a fatal human case of influenza A(H5N1) in a 2-year-old boy from Prey Veng province, who had exposure to sick backyard poultry

Bovine tuberculosis in Canada

No. of Signals: 01

No. of weeks in report: 05

Avg. Rating: 3.0

- A CFIA investigation, following the bTB case in [Saskatchewan](#) from November 2024, has detected the disease in the birth herd of the infected animal; three additional confirmed cases have been detected in animals tested to date

Highly Pathogenic Avian Influenza in North America

No. of Signals: 17

No. of weeks in report: 157

Avg. Rating: 1.5 - 3.0

- Over the last week, [Canada](#) has reported outbreaks of HPAI in commercial poultry in: Ontario(1)
- At least 17 dead Canada geese have been found at [Vernon Bridge](#), P.E.I., preliminary tests on the geese are positive for avian influenza
- Over the last week, the [USDA](#) has reported outbreaks of HPAI in commercial poultry in: Indiana(4) and Ohio(1); in WOA non-poultry in: Indiana(2), New York(2), Michigan(1), Maine(1), Massachusetts(1), Florida(1), North Carolina(1), and Ohio(1); in WOA poultry in: Florida(1) ; and in live-bird markets in: New Jersey(1) and Pennsylvania(1)
- Up to 100 dead geese, swans, and ducks have been recovered along the banks of the Shark River in [Monmouth County](#), New Jersey, with HPAI suspected as the cause of death
- The [USDA](#) has announced plans to invest \$1 billion in an effort to combat HPAI and reduce egg prices
- As of March 3, 2025, the [USDA](#) has reported influenza A (H5N1) in 977 dairy herds across 17 states; Arizona(1), Wyoming(1), North Carolina(1), Ohio(1), Oklahoma(2), Kansas(4), South Dakota(7), [Minnesota](#)(9), New Mexico(9), Nevada(10), Iowa(13), Utah(13), Texas(27), [Michigan](#)(31), Idaho(36), [Colorado](#)(64), and California(748); the recent outbreaks were reported from Idaho(1), California(1), and Nevada(2)
- The [USDA](#) has added 10 more domestic cat findings to its HPAI in mammals list, bringing the total number of domestic cat findings to 99
- [New Jersey](#) has confirmed HPAI in a feral cat from Hunterdon County, with other cats on the same property also reported ill
- [Washington](#) has reported HPAI in two domestic, indoor cats, who consumed Wild Coast Raw pet food, in King and Snohomish counties; more cats are being tested
- The USA is also conducting HPAI H5 [surveillance in horses](#), so far all 457 equine serum samples from Kentucky and Ohio were negative for H5 antibodies
- Wastewater surveillance dashboards for influenza can be found at the [CDC](#) and Stanford University's [WastewaterSCAN](#)

Influenza A(H5N1) in the USA

No. of Signals: 01

No. of weeks in report: 40

Avg. Rating: 2.8

- The [CDC](#) has issued more details on the three recent human cases of influenza A(H5N1) genotype D1.1, one mild case was reported in Nevada (linked to dairy cattle), and two severe cases were reported from Ohio and Wyoming (linked to poultry exposure); partial laboratory analysis of the Nevada and Wyoming cases identified mammalian adaptations (PB2 D701N in Nevada and PB2 E627K in Wyoming), with sequencing on the Ohio case still pending

Unknown Illness in the Democratic Republic of the Congo

No. of Signals: 03

No. of weeks in report: 02

Avg. Rating: 2.5 - 2.8

- As of February 25, 2025, the [DRC](#) has reported 53 human deaths due to an unknown febrile illness, with 1318 suspected cases in Equateur province; initial samples tested negative for Ebola and Marburg virus, however 50% of malaria tests were positive

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 06

No. of weeks in report: 177

Avg. Rating: 1.7 - 2.2

- [South Korea](#) and [India](#) have reported HPAI H5N1 in domestic poultry
- [Taiwan](#) has reported HPAI H5N1 in wild birds

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 05

No. of weeks in report: 213

Avg. Rating: 1.8 - 2.0

- [Hungary](#), [Albania](#), [Ireland](#), [Germany](#), [Sweden](#), and [Poland](#) have reported outbreaks of HPAI H5N1 in domestic poultry
- [Ireland](#), the [Netherlands](#), [Sweden](#), [Poland](#), and [Finland](#) have reported cases of HPAI H5N1 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

Coronavirus

- ◆ Novel human coronavirus in an infant patient with pneumonia, Republic of Korea [Read More](#)
- ◆ Respiratory Shedding of Infectious SARS-CoV-2 Omicron XBB.1.41.1 Lineage among Captive White-Tailed Deer, Texas, USA [Read More](#)

Influenza

- ◆ Pre-print: Identification of Amino Acid Residues Responsible for Differential Replication and Pathogenicity of Avian Influenza Virus H5N1 Isolated from Human and Cattle in Texas, US [Read More](#)
- ◆ Pandemic risk stemming from the bovine H5N1 outbreak: an account of the knowns and unknowns [Read More](#)
- ◆ Exposure and survival of wild raptors during the 2022–2023 highly pathogenic influenza A virus outbreak [Read More](#)
- ◆ Prediction models show differences in highly pathogenic avian influenza outbreaks in Japan and South Korea compared to Europe [Read More](#)
- ◆ WOAH - New Global Strategy for the Prevention and Control of High Pathogenicity Avian Influenza [Read More](#)
- ◆ Genetic characterization of an H3N2 canine influenza virus strain in China in 2023—acquisition of novel human-like amino acid substitutions [Read More](#)
- ◆ Genomics of novel influenza A virus (H18N12) in bats, Caribe Colombia [Read More](#)
- ◆ Development of a zoonotic influenza distribution assessment and ranking system (ZIDAR): Technical application in Nepal to support cross-sectoral risk-based surveillance [Read More](#)

Vectors and Vector Borne Diseases

- ◆ Equine Encephalomyelitis Outbreak, Uruguay, 2023–2024 [Read More](#)

Other

- ◆ Phylogenetic analysis and immunogenicity comparison of porcine genotype G9 rotavirus in China from 2020-2023 [Read More](#)
- ◆ New York State - Global Health Update Report - 02/27/2025 [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 04/03/2025 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 22 - 28 February 2025, week 9 [Read More](#)
- ◆ SHIC Domestic Disease Monitoring Report – March 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.