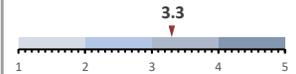


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

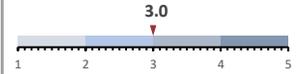
Highly Pathogenic Avian Influenza

- ◆ In **Saskatchewan**, hundreds of dead geese were found this spring in fields near **Lipton**; tests have confirmed that the birds died from HPAI H5
- ◆ As of May 26, 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)**
 - The recent outbreaks were reported from **Idaho(7)**

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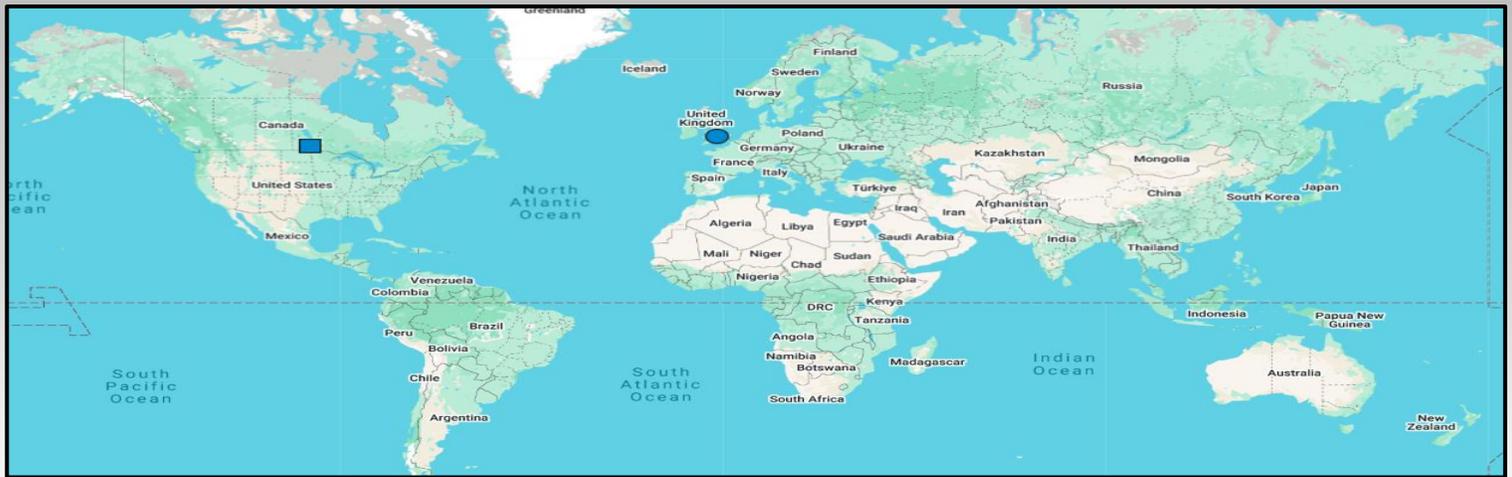
Influenza A (H3N2)

- ◆ Pre-print: Fatal infection of a novel canine/human reassortant H3N2 influenza A virus in the zoo-housed golden monkeys
 - In June 2022, seven golden monkeys developed flu-like symptoms at a zoo in **Jiangsu Province, China**, two of which died of respiratory distress
 - One strain of H3N2 virus, named A/golden monkey/Jiangsu/1/2022 (Gm-1), was isolated from the lungs of dead golden monkeys
 - Sequence and phylogenetic analysis revealed that its PB1 gene is most closely related to an influenza isolate obtained from human (A/Hong Kong/4801/2014), while the remaining 7 genes show 100% sequence identity with those of canine H3N2 virus (A/canine/Jiangsu/06/2010, JS06)

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NEW EVENTS: (events rated > 2)



Rabies in a dog in Manitoba

Pathogen: virus; **Transmission:** direct contact; **Species affected in event:** canine

① A 1.5-year-old dog that was moved from Nunavut to Winnipeg, Manitoba, subsequently developed rabies. The dog was seen chasing a fox, along with some other dogs, in a community in Nunavut on February 27. The dog was moved by a dog rescue group from Nunavut to Winnipeg on March 31, 2025 where it was quarantined for 2 weeks. After arrival in Winnipeg, the dog was vaccinated against rabies and then spayed a couple of weeks later. The dog began showing signs of rabies on April 18, 2025, two days after the spay. Signs included hypersalivation, stargazing and aggression. It died two days later and tested positive for rabies.

[Read More](#)

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

West Nile virus in UK mosquitos

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

① The UK has identified fragments of WNV genetic material in mosquitoes collected in Britain for the first time. The fragments were detected in 2 samples of *Aedes vexans* mosquitoes collected from wetlands on the River Idle near Gamston, Nottinghamshire, during July 2023. The mosquitoes were pooled into groups of 10 for testing, and fragments of WNV genetic material were identified in 2 of the pools. The other 198 were negative. This is the first evidence of WNV detected in a mosquito in the UK.

[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: 05

No. of weeks in report: 169

Avg. Rating: 2.3 - 3.3

- [Canada](#) has not reported any outbreaks of HPAI in domestic poultry over the past week
- In [Saskatchewan](#), hundreds of dead geese were found this spring in fields near Lipton; tests have confirmed that the birds died from HPAI H5
- The [USDA](#) has not reported any outbreaks of HPAI in domestic poultry over the past week
- As of May 26, 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); the recent outbreaks were reported from Idaho(07)
- [Wisconsin](#) has announced that it will soon initiate mandatory monthly milk sampling for HPAI
- The [USA](#) conducted a nationwide serosurveillance study involving 1,462 equine serum samples that were collected between July 2024 and February 2025; only one serum sample was positive for H5 antibodies
- Wastewater surveillance dashboards for influenza can be found at the [CDC](#) and Stanford University's [WastewaterSCAN](#)

Influenza A (H5N1) in Bangladesh

No. of Signals: 01

No. of weeks in report: 02

Avg. Rating: 2.8

- The suspected human case of influenza A(H5N1) in Jessore, [Bangladesh](#) has been confirmed as IAV H5N1 clade 2.2.2.1; the case is an eight-year-old male from Ramnagar, Jessor who has since recovered (GSAID code: EPI_ISL_19875512)

Lyme Disease in Canada

No. of Signals: 01

No. of weeks in report: 06

Avg. Rating: 2.6

- In [Quebec](#), From January 1, 2025 to May 14, 2025, 61 human cases of Lyme disease were reported, including: 26 in Estrie, 12 in Outaouais, and 9 in Montérégie; these number are similar to those reported in 2024

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 06

No. of weeks in report: 225

Avg. Rating: 2.0 - 2.5

- [Norway](#) has detected antibodies against influenza A virus in two sheep, one of which had antibodies against HPAI H5; the sheep were sampled in 2024 and likely infected in the summer 2023 while grazing on a pasture with dead/sick birds
- [Bulgaria](#) has reported an outbreak of HPAI H5N1 in domestic birds
- [Sweden](#) and Belgium have reported HPAI H5N1 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

Coccidiomycosis in the USA

No. of Signals: 01

No. of weeks in report: 02

Avg. Rating: 2.4

- In the first quarter of 2025, [California](#) reported 3,123 human cases of Valley Fever, nearly double the 10-year average for this period; this is the highest number reported for Q1 on record, surpassing the previous record of 3,011 cases in 2024

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 04

No. of weeks in report: 189

Avg. Rating: 2.0

- [Cambodia](#) has reported an outbreak of HPAI H5N1 in backyard poultry in a village in Kampong Speu province
- [South Korea](#) has report HPAI H5N3 in a wild bird from October 2024
- In [India](#), all major zoos in Uttar Pradesh have been ordered to remain closed for an additional seven days, due to animal deaths associated with avian influenza reported at two zoos

SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

Coronavirus

- ◆ Novel Coronaviruses Identified in Livestock: The Urgent Need to Enhance Coronavirus Surveillance to Mitigate Zoonotic Risks [Read More](#)
- ◆ Bovine Coronavirus and SARS-CoV-2 in Red Deer (*Cervus elaphus*) in Southern Bavaria, Germany: Genomic Evidence in Individual Cases [Read More](#)

Foot and Mouth Disease

- ◆ World Reference Lab for FMD – Quarterly Report Jan-Mar 2025 [Read More](#)
- ◆ Eastern Africa Origin of SAT2 Topotype XIV Foot-and-Mouth Disease Virus Outbreaks, Western Asia, 2023 [Read More](#)

Influenza

- ◆ Highly Pathogenic Avian Influenza A(H5N1) in Wild Birds and a Human, British Columbia, Canada, 2024 [Read More](#)
- ◆ Pre-print: Assessment of cross-reactive neutralizing antibodies induction against H5N1 clade 2.3.4.4b by prior seasonal influenza immunization in retail workers [Read More](#)
- ◆ Pre-print: H5 influenza virus mRNA-lipid nanoparticle (LNP) vaccination elicits adaptive immune responses in Holstein calves [Read More](#)
- ◆ Pre-print: Fatal infection of a novel canine/human reassortant H3N2 influenza A virus in the zoo-housed golden monkeys [Read More](#)
- ◆ Characterization of emerging H3N3 avian influenza viruses in poultry in China [Read More](#)
- ◆ Evaluation of global outbreak surveillance performance for high pathogenicity avian influenza and African swine fever [Read More](#)
- ◆ Major change in swine influenza virus diversity in France owing to emergence and widespread dissemination of a newly introduced H1N2 1C genotype in 2020 [Read More](#)

Mpox

- ◆ Genomics reveals zoonotic and sustained human Mpox spread in West Africa [Read More](#)

Vectors and Vector-borne Diseases

- ◆ Sheep serve as amplifying hosts of Japanese encephalitis virus, increasing the risk of human infection [Read More](#)
- ◆ Impact of climate and *Aedes albopictus* establishment on dengue and chikungunya outbreaks in Europe: a time-to-event analysis [Read More](#)
- ◆ Three Cases of Human Babesiosis, Italy, 2017–2020 [Read More](#)

Other

- ◆ WOA - The State of the World's Animal Health [Read More](#)
- ◆ Waterbirds in the UK 2023-2024 [Read More](#)
- ◆ Cadaveric Human Growth Hormone–Associated Creutzfeldt-Jakob Disease with Long Latency Period, United States [Read More](#)
- ◆ Multidrug-resistant *Shigella flexneri* outbreak affecting humans and non-human primates in New Mexico, USA [Read More](#)
- ◆ New York State - Global Health Update Report - 05/22/2025 [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 27/05/2025 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 17 - 23 May 2025, week 21 [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.