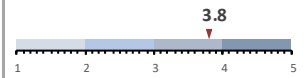


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

Foot and Mouth Disease

- ◆ **Slovakia** has reported three outbreaks of FMD in the south of the country, close to where Hungary recently reported an outbreak; serotype is still pending

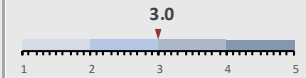
[Read More](#)



Highly Pathogenic Avian Influenza

- ◆ Over the last week, Canada has reported outbreaks of HPAI in non-commercial poultry in: **Nova Scotia**(1); and in non-commercial non-poultry in: **Newfoundland**(1)
- ◆ New Brunswick has reported an HPAI preliminary positive in a red-breasted Merganser found in **Shediac** in late February
- ◆ As of March 24, 2025, the USDA has reported influenza A(H5N1) in 989 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**(41), **Colorado**(64), and **California**(755)
 - All recent outbreaks were reported from **Idaho**(3)
- ◆ In **Minnesota**, a dairy farm in **Stearns County** is under quarantine for HPAI after milk testing found H5N1 last week; this is the first reported dairy cow infection in Minnesota since last summer and the first detection from the state milk testing program
- ◆ The **UK** has confirmed a case of avian influenza H5N1 in a single sheep in **Yorkshire** following repeat positive milk testing; the case was identified following routine surveillance of co-located livestock on a premises where avian influenza had been confirmed in captive birds

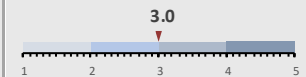
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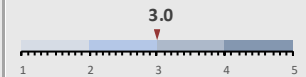
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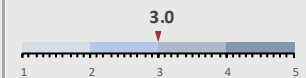
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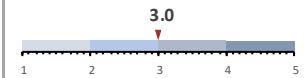
[Read More](#)



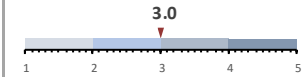
Influenza A (H5N1)

- ◆ CDC sequencing of the human influenza A(H5N1) case from the **Ohio** poultry worker, reported in mid February, was identified the genotype as D1.3
- ◆ **Cambodia** has reported its third human case of influenza A(H5N1) for 2025; the case is a 3-year-old boy from Kratie province, whose family had backyard poultry and reported consuming some dead/sick chickens

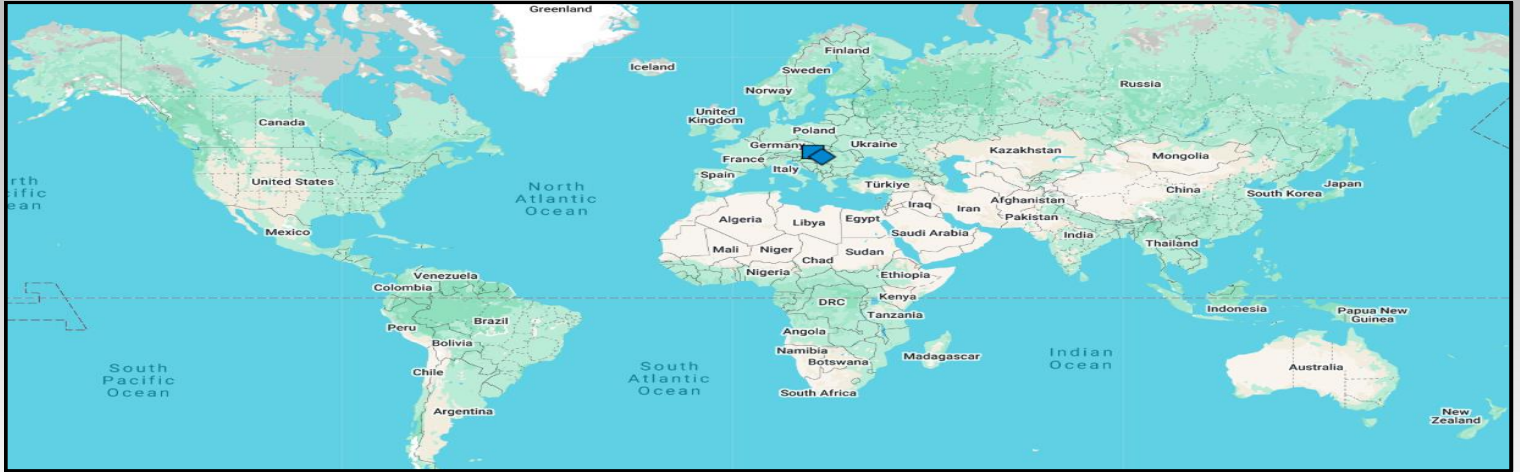
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NEW EVENTS: (events rated > 2)



■ Foot and Mouth Disease in Slovakia

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

① On March 21, 2025, Slovakia confirmed three outbreaks of FMD, with ~3000 cattle present across the three affected premises. This is the first confirmation of FMD in Slovakia in over 50 years. Clinical signs of disease were detected on all three premises. The outbreaks are located close to the city of Győr, in Northern Hungary, where FMD was detected in a dairy farm on March 6, 2025. Restriction zones have been established around the outbreaks to control the spread of disease. The serotype is still pending.

[Read More](#)

Avg. Rating	3.0 - 3.8
No. of Signal	2
No. of Ratings	1 - 4

◆ Unknown disease in Hungary

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

① More than 600 people have fallen ill due to an unknown illness in Nagykőrös, Hungary. Symptoms include vomiting, diarrhea, and abdominal pain. An investigation into the source of disease is underway.

[Read More](#)

Avg. Rating	2.5
No. of Signal	1
No. of Ratings	4

CONTINUED EVENTS: (events rated ≥ 2.4)

Influenza A(H5N1) in the USA

No. of Signals: 02 **No. of weeks in report: 41** **Avg. Rating: 3.0**

- [CDC](#) sequencing of the human influenza A(H5N1) case from the Ohio poultry worker, reported in mid February, was identified the genotype as D1.3

Influenza A(H5N1) in Cambodia

No. of Signals: 01 **No. of weeks in report: 17** **Avg. Rating: 3.0**

- [Cambodia](#) has reported its third human case of influenza A(H5N1) for 2025; the case is a 3-year-old boy from Kratie province, whose family had backyard poultry and reported consuming some dead/sick chickens

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 15 **No. of weeks in report: 216** **Avg. Rating: 2.0 - 3.0**

- The [UK](#) has confirmed a case of avian influenza H5N1 in a single sheep in Yorkshire following repeat positive milk testing; the case was identified following routine surveillance of co-located livestock on a premises where avian influenza had been confirmed in captive birds
- [Germany](#), [Hungary](#), [Poland](#), [Bulgaria](#), and [Scotland](#) have reported outbreaks of HPAI in domestic poultry
- [Sweden](#), [Finland](#), [Germany](#), [Poland](#), and [Belgium](#) have reported cases of HPAI in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

Highly Pathogenic Avian Influenza in North America

No. of Signals: 22 **No. of weeks in report: 160** **Avg. Rating: 1.7 - 3.0**

- Over the last week, [Canada](#) has reported outbreaks of HPAI in non-commercial poultry in: Nova Scotia(1); and in non-commercial non-poultry in: Newfoundland(1)
- [New Brunswick](#) has reported an HPAI preliminary positive in a red-breasted Merganser found in Shediac in late February
- Over the last week, the [USDA](#) has reported outbreaks of HPAI in commercial poultry in: Indiana(2), Iowa(1), Illinois(1), and Pennsylvania(1); in WOAHP poultry in: New Jersey(1); in WOAHP non-poultry in: Kansas(2), Oklahoma(1), Montana(1), Illinois(1), New Mexico(1), New York(1), and Missouri(1); and in live-bird markets in: New York(1)
- In [North Carolina](#), ~400 birds, mostly brown pelicans, were found dead in late February from suspected HPAI
- As of March 24, 2025, the [USDA](#) has reported influenza A (H5N1) in 989 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(41), [Colorado](#)(64), and California(755); the recent outbreaks were reported from Idaho(3)
- In [Minnesota](#), a dairy farm in Stearns County is under quarantine for HPAI after milk testing found H5N1 last week; this is the first reported dairy cow infection in Minnesota since last summer and the first detection from the state milk testing program
- Interim results from the [FDA](#) 60-day aged raw milk cheese research have not detected H5N1 in any samples collected to date; as of March 10, 2025, 110 samples have been collected, 96 of which were negative by PCR, with 14 still in progress
- Wastewater surveillance dashboards for influenza can be found at the [CDC](#) and Stanford University's [WastewaterSCAN](#)

African Swine Fever in the Caribbean

No. of Signals: 01 **No. of weeks in report: 21** **Avg. Rating: 2.8**

- The [Dominican Republic](#) has reported a resurgence of ASF in El Pino, in the province of Dajabón; ASF has caused the death of dozens of pigs in recent weeks

Chronic Wasting Disease in Canada

No. of Signals: 01 **No. of weeks in report: 13** **Avg. Rating: 2.8**

- CWD has been detected in a female white-tailed deer in the urban deer population of Cranbrook, [British Columbia](#)

Rabies in Ontario

No. of Signals: 01 **No. of weeks in report: 03** **Avg. Rating: 2.8**

- In late February 2025, a case of Arctic fox variant rabies was detected in a red fox in northern [Ontario](#); arctic fox variant rabies is endemic across arctic and sub-arctic habitats in Canada, however surveillance is very limited due to the lack of veterinary services and small dispersed communities

New World Screwworm in Central/North America

No. of Signals: 02 **No. of weeks in report: 25** **Avg. Rating: 2.0 - 2.8**

- [Honduras](#) has reported 765 cases of NSW in various animal species, including: cattle, sheep, dogs, horses, and pigs; cases have been reported across the entire country with the exception of the Islas de la Bahía
- [Honduras](#) has also confirmed its sixth human case of NWS, in a 82-year-old woman from Tegucigalpa

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 06 **No. of weeks in report: 180** **Avg. Rating: 1.8 - 2.6**

- [South Korea](#) has reported HPAI in a wild mammal for the first time; HPAI was reported in a leopard that was discovered dead near a reservoir in Hwasun County, South Jeolla Province, thought to have become infected by eating infected wild birds

Highly Pathogenic Avian Influenza in Africa

No. of Signals: 02 **No. of weeks in report: 79** **Avg. Rating: 2.3 - 2.5**

- [Togo](#) has reported multiple outbreaks of HPAI H5N1 in domestic birds
- [Saint Helena](#) Island, in the south Atlantic Ocean, has reported HPAI H5N1 in wild birds (from September 2024)

Foot and Mouth Disease in South Korea

No. of Signals: 05 **No. of weeks in report: 02** **Avg. Rating: 2.3 - 2.5**

- [South Korea](#) has reported additional cases of FMD, bringing the total number of cases this year to 14; with the latest case found at a farm in Yeongam, ~300 km south of Seoul

SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

Coronavirus

- ◆ Novel Rodent Coronavirus-like Virus Detected Among Beef Cattle with Respiratory Disease in Mexico [Read More](#)

Influenza

- ◆ CDC - Human Cases of Highly Pathogenic Avian Influenza A(H5N1) — California, September–December 2024 [Read More](#)
- ◆ ECDC/EFSA - Avian influenza overview December 2024-March 2025 [Read More](#)
- ◆ Baloxavir improves disease outcomes in mice after intranasal or ocular infection with Influenza A virus H5N1-contaminated cow's milk [Read More](#)
- ◆ Large-scale computational modelling of H5 influenza variants against HA1-neutralising antibodies [Read More](#)
- ◆ H5N1 avian flu is spreading rapidly in Antarctica [Read More](#)
- ◆ Highly Pathogenic Avian Influenza Virus Exposure and Infection in Free-Ranging Bobcats (*Lynx rufus*) in New York, USA [Read More](#)
- ◆ FluMut: a tool for mutation surveillance in highly pathogenic H5N1 genomes [Read More](#)
- ◆ USGS - Winter 2025 Update on Highly Pathogenic Avian Influenza H5 [Read More](#)
- ◆ PAHO - Recommendations for the Early Detection of Human Cases of Avian Influenza A(H5N1) [Read More](#)
- ◆ A novel reassorted swine H3N2 influenza virus demonstrates an undetected human-to-swine spillover in Latin America and highlights zoonotic risks [Read More](#)
- ◆ Seroprevalence of influenza A H1N1 and influenza D viruses in ruminants in Qatar [Read More](#)

Mpox

- ◆ ECDC - Mpox worldwide overview [Read More](#)
- ◆ Case series of the first five human infections with monkeypox virus clade Ib and report on the public health response, United Kingdom, October to November 2024 [Read More](#)

Vectors and Vector Borne Diseases

- ◆ Onset of Alpha-Gal Syndrome after Tick Bite, Washington, USA [Read More](#)
- ◆ Alpha-Gal Syndrome after *Ixodes scapularis* Tick Bite and Statewide Surveillance, Maine, USA, 2014–2023 [Read More](#)
- ◆ Seroprevalence and risk factors of bluetongue virus infection in sheep and goats in West Gondar zone, Northwest Ethiopia [Read More](#)

Other

- ◆ A survey of Irish red foxes (*Vulpes vulpes*) to establish the prevalence of *Mycobacterium bovis* [Read More](#)
- ◆ New York State - Global Health Update Report - 03/20/2025 [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 25/03/2025 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 15 - 21 March 2025, week 12 [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.