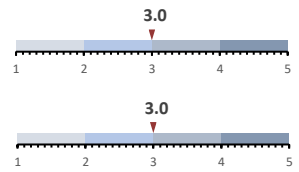


## SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

### Highly Pathogenic Avian Influenza

- ◆ Over the last week, **Canada** has reported outbreaks of HPAI in commercial poultry in: **Quebec(1)**
- ◆ As of February 3, 2025, the USDA has reported influenza A(H5N1) in 957 dairy herds across 16 states: **Wyoming(1), North Carolina(1), Ohio(1), Oklahoma(2), Kansas(4), Nevada(5), South Dakota(7), Minnesota(9), New Mexico(9), Iowa(13), Utah(13), Texas(27), Michigan(30), Idaho(35), Colorado(64), and California(736)**
  - The recent outbreaks were reported from **California(9)** and [Nevada\(4\)](#)

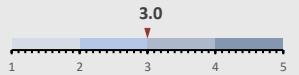
[Read More](#)



### Influenza A (H5N1)

- ◆ The **UK** has confirmed a human case of influenza A(H5N1) in a person in the **West Midlands** region who acquired the infection on a farm and had prolonged contact with a large number of infected birds (infected with the DI.2 genotype)

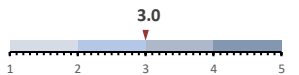
[Read More](#)



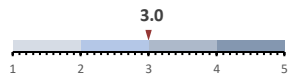
### Bovine Tuberculosis

- ◆ **Michigan** has confirmed a case of bTB in a beef herd from **Alcona County**, identified during routine surveillance; this is first case of bTB identified in **Michigan** since 2022
- ◆ **South Dakota** has confirmed a case of bTB in a cow/calf herd in **Kingsbury County**, identified through traceback efforts on a steer from a **Hamlin County** feedlot that tested positive in October 2024

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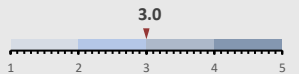
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### Sudan Ebola Virus

- ◆ **Uganda** has confirmed a new outbreak of Ebola in **Kampala**; one health care worker has died and two family members have tested positive, bringing the total number of confirmed cases to three

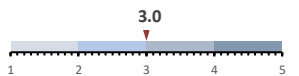
[Read More](#)



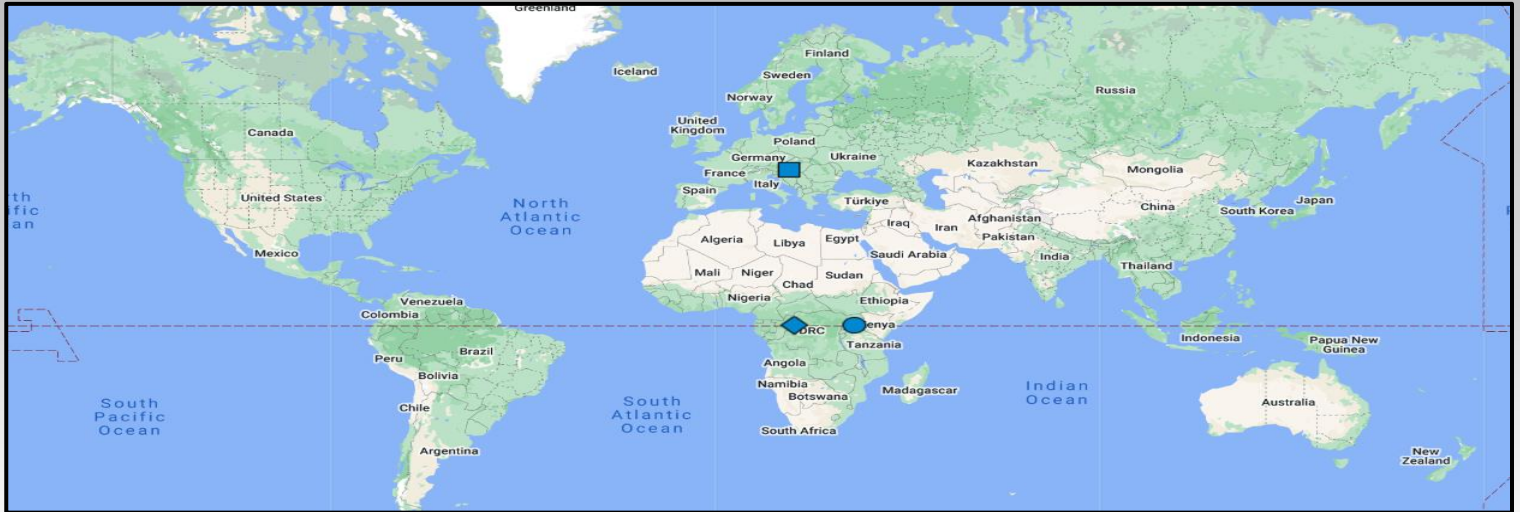
### Peste des Petits Ruminants

- ◆ **Hungary** has reported its first outbreak of PPR, with 12 cases reported in a sheep herd in **Szentgyörgyvölgy**, close to its border with **Slovenia**

[Read More](#)



## NEW EVENTS: (events rated > 2)



### ■ Peste des petits ruminants in Hungary

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

① Hungary has reported its first outbreak of PPR in the country. Twelve cases/deaths were reported in a herd of 1810 sheep in Szentgyörgyvölgy, close to Hungary's border with Slovenia.

[Read More](#)

Avg. Rating	3.0
No. of Signal	1
No. of Ratings	3

### ● Sudan Ebola Virus in Uganda

**Pathogen:** virus; **Transmission:** direct contact, fomite, vertical; **Species affected in event:** human

① Uganda has confirmed a new outbreak of Sudan Ebola virus in its capital, Kampala. The first recorded victim was a 32-year-old male nurse who died from the disease on January 29, 2025. Two family members of the index case, who were under monitoring at the isolation unit of Mulago National Referral Hospital in Kampala, tested positive for the virus on February 2, 2025. Additional contact tracing is underway. Uganda's previous Sudan Ebola virus outbreak started in September 2022 and ended in January 2023, with 164 cases and 77 deaths.

[Read More](#)

Avg. Rating	3.0
No. of Signal	1
No. of Ratings	3

### ◆ Suspected Ebola Virus in the Democratic Republic of Congo

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

① In the Democratic Republic of the Congo, at least 12 suspected cases of Ebola have been reported in the Boyenge health area, located more than 250 km from the city of Mbandaka, capital of Equateur province. Eight deaths have also been recorded from January 10 to 22, 2025. Samples have been sent to the laboratory in Mbandaka for examination.

[Read More](#)

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

## CONTINUED EVENTS: (events rated $\geq 2.4$ )

### **Bovine Tuberculosis in the USA**

**No. of Signals: 02**

**No. of weeks in report: 09**

**Avg. Rating: 3.0**

- [Michigan](#) has confirmed a case of bTB in a beef herd from Alcona County, identified during routine surveillance; this is first case of bTB identified in Michigan since 2022
- [South Dakota](#) has confirmed a case of bTB in a cow/calf herd in Kingsbury County, identified through traceback efforts on a steer from a Hamlin County feedlot that tested positive in October 2024

### **Influenza A (H5N1) in the UK**

**No. of Signals: 03**

**No. of weeks in report: 04**

**Avg. Rating: 3.0**

- The [UK](#) has confirmed a human case of influenza A(H5N1) in a person in the West Midlands region who acquired the infection on a farm and had prolonged contact with a large number of infected birds (infected with the D1.2 genotype)

### **Highly Pathogenic Avian Influenza in North America**

**No. of Signals: 18**

**No. of weeks in report: 153**

**Avg. Rating: 1.2 - 3.0**

- Over the last week, [Canada](#) has reported outbreaks of HPAI in commercial poultry in: Quebec(1)
- Over the last week, the [USDA](#) has reported outbreaks of HPAI in commercial poultry in: Ohio(18), Missouri(11), California(3), North Carolina(2), Indiana(2), Delaware(1), and Arizona(1); in WOAHP poultry in: Pennsylvania(1); and in WOAHP non-poultry in: Nebraska(2), New York(1), Indiana(1), California(1), Pennsylvania(1), Idaho(1), Florida(1), Virginia(1), Maryland(1), and Oregon(1)
- As of February 3, 2025, the [USDA](#) has reported influenza A (H5N1) in 957 dairy herds across 16 states; Wyoming(1), North Carolina(1), Ohio(1), Oklahoma(2), Kansas(4), Nevada(5), South Dakota(7), [Minnesota](#)(9), New Mexico(9), Iowa(13), Utah(13), Texas(27), [Michigan](#)(30), Idaho(35), [Colorado](#)(64), and California(736); the recent outbreaks were reported from California(9) and Nevada(4)
- Wastewater surveillance dashboards for influenza can be found at the [CDC](#) and Stanford University's [WastewaterSCAN](#)

### **Mpox Worldwide (UK)**

**No. of Signals: 02**

**No. of weeks in report: 39**

**Avg. Rating: 2.3 - 2.5**

- The [UK](#) has reported two additional cases of mpox clade 1b, both in individuals who recently returned from travel to Uganda, bringing the total number of confirmed cases since October 2024 to 8

### **Highly Pathogenic Avian Influenza in Europe**

**No. of Signals: 20**

**No. of weeks in report: 209**

**Avg. Rating: 1.3 - 2.2**

- [Iceland](#) continues to detect HPAI H5N5 in wild birds, and has also recently detected the virus in a wild mink
- [England](#), [Lithuania](#), [Portugal](#), [Hungary](#), and [Poland](#) have reported outbreaks of HPAI H5N1 in domestic poultry
- The [Netherlands](#), [Italy](#), [Lithuania](#), [France](#), [England](#), [Scotland](#), [Germany](#), and [Belgium](#) have reported cases of HPAI H5N1 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

### **Highly Pathogenic Avian Influenza in Asia**

**No. of Signals: 06**

**No. of weeks in report: 173**

**Avg. Rating: 2.0**

- [Japan](#), [South Korea](#), [Cambodia](#), and [India](#) have reported additional outbreaks of HPAI H5N1 in domestic poultry

### **Highly Pathogenic Avian Influenza in South America**

**No. of Signals: 01**

**No. of weeks in report: 82**

**Avg. Rating: 2.0**

- [Panama](#) has reported HPAI H5N1 in a flock of 408 domestic non-poultry birds in El Flor, one bird died and two became sick

## SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

### Coronavirus

- ◆ Evolution of SARS-CoV-2 in white-tailed deer in Pennsylvania 2021–2024 [Read More](#)
- ◆ First Detection of Alphacoronavirus in Bats from the World’s Largest Wetland, the Pantanal, Brazil [Read More](#)

### Influenza

- ◆ Potential for Transmission of Avian Influenza Virus to Humans Associated with Handling, Preparing, and Consuming Contaminated Meat, Organs, Eggs, Milk, and Other Dairy Products from Infected Animals: A Rapid Evidence Synthesis [Read More](#)
- ◆ Human risk of avian influenza A(H5N1) associated with exposure to infected dairy cattle and other livestock [Read More](#)
- ◆ Molecular signatures of mammalian adaptation of avian influenza viruses [Read More](#)
- ◆ Pre-print: Detection of low pre-existing humoral immunity against influenza virus H5N1 clade 2.3.4.4b in unexposed individuals [Read More](#)
- ◆ Pre-exposure antibody prophylaxis protects macaques from severe influenza [Read More](#)
- ◆ New incursions of H5N1 clade 2.3.4.4b highly pathogenic avian influenza viruses in wild birds, South Korea, October 2024 [Read More](#)
- ◆ Mexico’s Laboratory-Confirmed Human Case of Infection with the Influenza A(H5N2) Virus [Read More](#)
- ◆ Emergence of a novel reassortant highly pathogenic avian influenza clade 2.3.4.4b A(H5N2) Virus, 2024 [Read More](#)
- ◆ Highly pathogenic avian influenza virus (H5N5) detected in an Atlantic walrus (*Odobenus rosmarus rosmarus*) in the Svalbard Archipelago, Norway, 2023 [Read More](#)
- ◆ Outbreak Reports: Infection Tracing and Virus Genomic Analysis of Two Cases of Human Infection with Avian Influenza A(H5N6) — Fujian Province, China, April–May 2024 [Read More](#)
- ◆ Isolation and Characterization of H1 Subtype Swine Influenza Viruses Recently Circulating in China [Read More](#)
- ◆ Differences between Influenza H5N1, A/H1N1 2009, and SARS-CoV-2 in a pandemic risk scenario [Read More](#)
- ◆ ECDC - Coordinated One Health investigation and management of outbreaks in humans and animals caused by zoonotic avian influenza viruses [Read More](#)
- ◆ ECDC - Preparedness, prevention and control related to zoonotic avian influenza [Read More](#)

### Mpox

- ◆ WHO - Mpox Multi-country external situation report no. 46, published 28 January 2025 [Read More](#)
- ◆ Epidemiological and clinical features of mpox during the clade Ib outbreak in South Kivu, Democratic Republic of the Congo: a prospective cohort study [Read More](#)

### Other

- ◆ France - Weekly Bulletin for International Animal Health Surveillance 04/02/2025 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 24 - 31 January 2025, week 5 [Read More](#)
- ◆ SHIC Domestic Disease Monitoring Report – February 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.