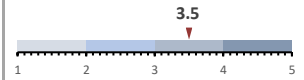


## SUMMARY: RELEVANT SIGNALS (includes all signals rated $\geq 3.0$ )

### Highly Pathogenic Avian Influenza

- ◆ Cows at three **California** dairies located in the **Central Valley** have tested positive for influenza A H5N1; herds began showing clinical signs on August 25, 2024

[Read More](#)



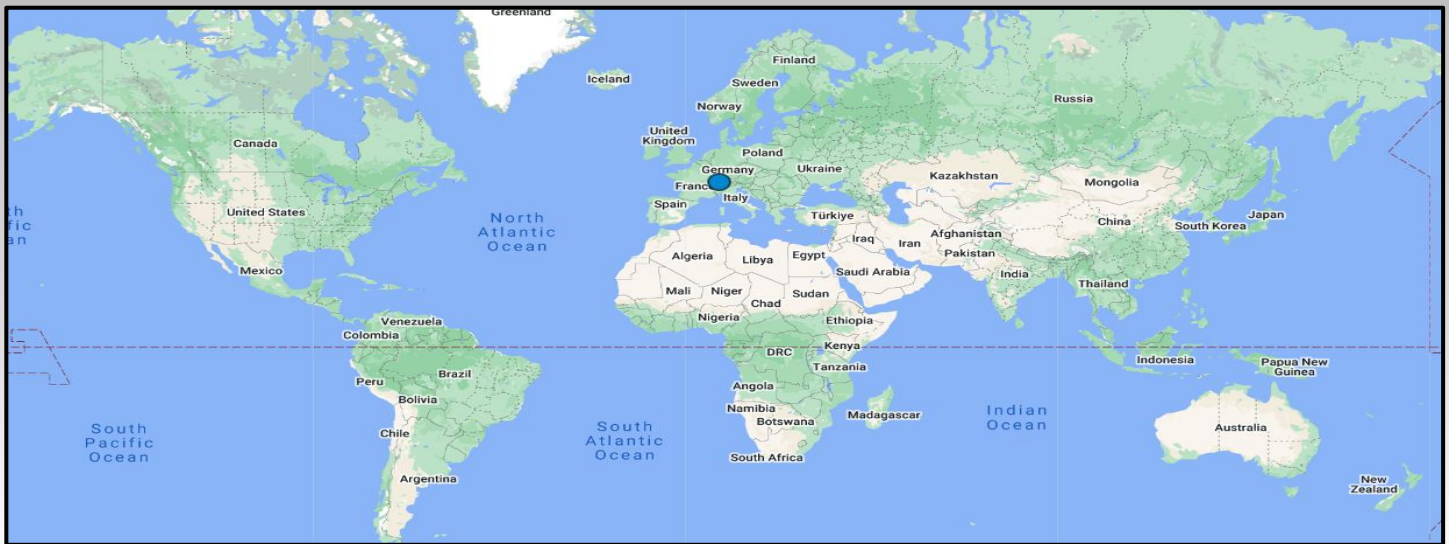
### Bluetongue virus

- ◆ BTV-3 has been reported in the **UK** again, the first occurrence for the 2024/2025 season; as of September 2, 2024, BTV-3 has been confirmed in 41 animals across 13 infected premises in **Norfolk and Suffolk**

[Read More](#)



## NEW EVENTS: (events rated $> 2$ )



### ● Bluetongue virus serotype 3 in Switzerland

**Pathogen:** virus; **Transmission:** vector - culicoides; **Species affected in event:** sheep, cattle

① Switzerland has reported its first cases of BTV-3. Three cases of disease have been confirmed in the country, one sheep in Solothurn and two sheep on a farm in Jura. There is currently no approved vaccine against BTV-3 in Switzerland. Switzerland has also recently reported a case of BTV-8 in one cattle in Vaud.

[Read More](#)

Avg. Rating	2.5
No. of Signal	1
No. of Ratings	2

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

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

**No. of Signals: 08**

**No. of weeks in report: 131**

**Avg. Rating: 1.2 - 3.5**

- [Canada](#) has not reported any outbreaks of HPAI in domestic poultry over the last week
- The [USDA](#) has not reported any outbreaks of HPAI in domestic poultry over the last week
- Cows at three [California](#) dairies located in the Central Valley have tested positive for influenza A H5N1; herds began showing clinical signs on August 25, 2024
- As of September 1, 2024, the [USDA](#) has reported influenza A H5N1 in a total of 197 dairy herds across 14 states: Wyoming(1), North Carolina(1), Ohio(1), Oklahoma(2), California(3), Kansas(4), South Dakota(7), [Minnesota](#)(9), New Mexico(9), Iowa(13), Texas(24), [Michigan](#)(28), Idaho(31), and [Colorado](#)(64)
- Aside from the three new detections in California, New Mexico and Michigan have reported one additional outbreak of influenza A H5N1 in dairy cattle over the past week
- The [USDA](#) has announced the first field trial of an influenza A H5N1 vaccine for dairy cattle
- Wastewater surveillance dashboards for influenza can be found at the [CDC](#) and Stanford University's [WastewaterSCAN](#)

### **Bluetongue virus in Europe**

**No. of Signals: 02**

**No. of weeks in report: 11**

**Avg. Rating: 2.8 - 3.0**

- BTV-3 has been reported in the [UK](#) again, the first occurrence for the 2024/2025 season; as of September 2, 2024, BTV-3 has been confirmed in 41 animals across 13 infected premises in Norfolk and Suffolk
- In [Belgium](#), BTV-3 has been reported across 1,192 farms, approximately three times more than three weeks ago; the [BTV-3 dashboard](#) shows cases reported across the entire country

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

**No. of Signals: 03**

**No. of weeks in report: 152**

**Avg. Rating: 2.0 - 2.3**

- [India](#) has reported an outbreak of HPAI H5N1 in domestic poultry in Odisha, Puri district; ~20,000 birds will be culled
- Testing of two suspected human cases of influenza A H5N1, in individuals involved in the culling of poultry in Odisha, has returned [negative](#) results

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

**No. of Signals: 04**

**No. of weeks in report: 188**

**Avg. Rating: 2.0 - 2.1**

- [Poland](#) has reported an outbreak of HPAI H5N1 in domestic poultry
- [France](#) has reported an outbreak of HPAI H5 in domestic poultry
- [Spain](#) has reported HPAI H5N1 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

## SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

### Influenza

- ◆ Pre-print: Exposure and Survival of Wild Raptors During the 2022-2023 Highly Pathogenic Influenza A Virus Outbreak [Read More](#)
- ◆ Pre-print: Highly pathogenic avian influenza H5 virus exposure in goats and sheep [Read More](#)
- ◆ Cluster of Influenza A(H5) Cases Associated with Poultry Exposure at Two Facilities — Colorado, July 2024 [Read More](#)
- ◆ Highly pathogenic avian influenza virus H5N1 clade 2.3.4.4b in wild rats in Egypt during 2023 [Read More](#)
- ◆ Highly Pathogenic Avian Influenza A Virus in Wild Migratory Birds, Qinghai Lake, China, 2022 [Read More](#)
- ◆ WHO - Practical interim guidance to reduce the risk of infection in people exposed to avian influenza viruses [Read More](#)

### Mpox

- ◆ ECDC - Epidemiological update: Mpox due to monkeypox virus clade I [Read More](#)
- ◆ Mpox Epidemiology and Vaccine Effectiveness, England, 2023 [Read More](#)
- ◆ WHO - Mpox global strategic preparedness and response plan [Read More](#)

### Vectors and Vector borne Diseases

- ◆ The impact of the bluetongue serotype 3 outbreak on sheep and goat mortality in the Netherlands in 2023 [Read More](#)

### Other

- ◆ CDC - Notes from the Field: Tularemia Associated with Harbor Seal Necropsy — Kitsap County, Washington, October 2023 [Read More](#)
- ◆ Human infection with IsrRAPXV, a novel zoonotic bat-derived poxvirus [Read More](#)
- ◆ Serosurveillance of *Coxiella burnetii* in feral swine populations of Hawai'i and Texas identifies overlap with human Q fever incidence [Read More](#)
- ◆ Evaluating the transmission dynamics and host competency of aoudad (*Ammotragus lervia*) experimentally infected with *Mycoplasma ovipneumoniae* and leukotoxigenic *Pasteurellaceae* [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 03/09/2024 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 24 - 30 August 2024, week 35 [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.