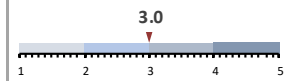


## SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

### Highly Pathogenic Avian Influenza

- Over the last week, **Canada** has reported outbreaks of HPAI H5N1 in commercial poultry in: **British Columbia(1)**; and in non-commercial poultry in: **British Columbia(2)**

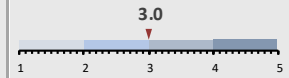
[Read More](#)



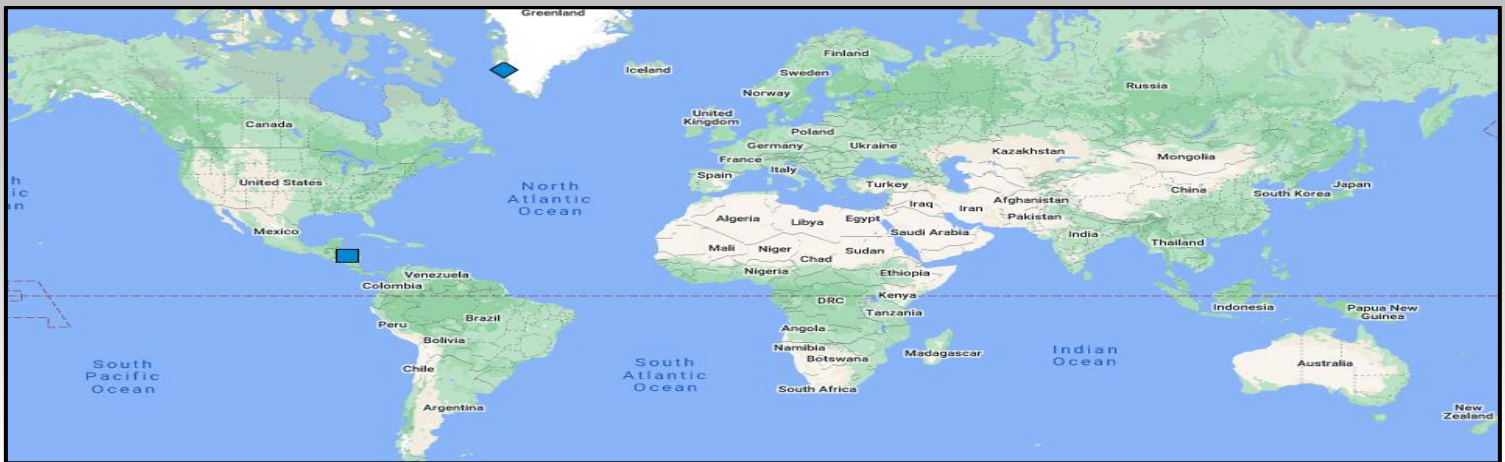
### Influenza A H5N6

- China** has reported another human case of influenza A H5N6 in a 54-year-old man living in **Hunan**, who developed symptoms on November 2, 2022, and was admitted for treatment on November 5, 2022 in critical condition

[Read More](#)



## NEW EVENTS: (events rated > 2)



### Highly Pathogenic Avian Influenza H5N1 in Honduras

**Pathogen:** Virus; **Transmission:** Direct contact, aerosol, fomite; **Species affected in event:** Brown Pelican

① On December 27, 2022, the Institute for Forest Conservation and Development, Protected Areas and Wildlife was notified of the presence of sick and dead *Pelecanus occidentalis* on the beach of the municipality of La Ceiba, in the department of Atlántida. Samples were collected and sent to the national reference laboratory, the Honduran Institute of Veterinary Medical Research. The results were positive for influenza A H5N1 clade 2.3.4.4b on December 28, 2022. This is the first time that HPAI H5N1 is officially reported in Honduras.

[Read More](#)

Avg. Rating	2.3
No. of Signal	1
No. of Ratings	4

### Highly Pathogenic Avian Influenza H5N1 in Greenland

**Pathogen:** Virus; **Transmission:** Direct contact, aerosol, fomite; **Species affected in event:** Common Murre

① On March 28, 2022, two common murre were found dead at Fyllas Bank, west of Nuuk. On December 30, 2022, Statens Serum Institute confirmed HPAI H5N1 in the samples from the two common murre. This is the first occurrence of HPAI H5N1 in the country.

[Read More](#)

Avg. Rating	2.1
No. of Signal	1
No. of Ratings	4

## CONTINUED EVENTS: (events rated ≥ 2.4)

### **Influenza A (H5N6) in China**

**No. of Signals: 02**

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

**Avg. Rating: 3.0**

- [China](#) has reported another human case of influenza A(H5N6) in a 54-year-old man living in Hunan, who developed symptoms on November 2, 2022, and was admitted for treatment on November 5, 2022 in critical condition; from 2014 to date, 82 human cases of avian influenza A(H5N6) have been reported by Mainland health authorities, including 18 cases in 2022

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

**No. of Signals: 04**

**No. of weeks in report: 51**

**Avg. Rating: 2.0 - 3.0**

- Over the last week, [Canada](#) has reported outbreaks of HPAI H5N1 in commercial poultry in: British Columbia(1); and in non-commercial poultry in: British Columbia(2)
- Over the last week, the [USDA](#) has reported outbreaks of HPAI H5N1 in commercial poultry in: Kansas; in WOAHP poultry in: South Dakota; and in WOAHP non-poultry in: Colorado, Washington, Missouri, and Oregon

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

**No. of Signals: 03**

**No. of weeks in report: 08**

**Avg. Rating: 2.0 - 2.4**

- As of January 5, 2023, [Colombia](#) has reported a total of 37 outbreaks of HPAI H5N1 in backyard premises and wild birds
- As of January 5, 2023, [Ecuador](#) has reported two outbreaks of HPAI H5N1 in domestic poultry
- As of January 5, 2023, [Peru](#) has reported five outbreaks of HPAI H5N1 in domestic poultry (two in backyard premises and 3 on commercial farms)
- [Chile](#) has confirmed the presence of HPAI H5N1 in a pelican on the coast of Tunquen from the Valparaiso region, confirming again that the virus continues to move to the south of the country in wild birds

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

**No. of Signals: 04**

**No. of weeks in report: 84**

**Avg. Rating: 2.0 - 2.3**

- HPAI cases in [Japan](#) hit a record high after new infections were confirmed in Chi ba and Fukuoka prefectures; as of January 3, 2023, a total of 54 cases of HPAI have been confirmed across 23 prefectures in Japan this season
- [South Korea](#) has reported HPAI H5N1 on a duck farm in Jeongeup, North Jeolla Province
- [Taiwan](#) has reported HPAI H5N1 at two chicken farms in Yunlin County

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

**No. of Signals: 08**

**No. of weeks in report: 107**

**Avg. Rating: 2.0 - 2.1**

- [Denmark](#), [Scotland](#), the [Czech Republic](#), the [UK](#), [France](#), and [Poland](#) have reported outbreaks of HPAI H5N1 in domestic poultry
- [Austria](#) and [Slovenia](#) have reported HPAI H5N1 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

### **Highly Pathogenic Avian Influenza in Africa**

**No. of Signals: 03**

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

**Avg. Rating: 2.0**

- [Niger](#) has reported another outbreak of HPAI H5N1 in domestic poultry, this time on a farm in Tillabery

## SCIENTIFIC FINDINGS & REPORTS:

### **Coronavirus**

- ◆ Bats-associated *beta-coronavirus* detection and characterization: First report from Pakistan [Read More](#)
- ◆ Molecular surveillance of potential SARS-CoV-2 reservoir hosts in wildlife rehabilitation centers [Read More](#)

### **Influenza**

- ◆ Isolation and Identification of Novel Highly Pathogenic Avian Influenza Virus (H5N8) Subclade 2.3.4.4b from Geese in Northeastern China [Read More](#)
- ◆ The evolution, characterization and phylogeography of avian influenza H9N2 viruses from India [Read More](#)
- ◆ Influenza A viruses circulating in dogs: A review of the scientific literature [Read More](#)

### **Mpox**

- ◆ WHO - Multi-country outbreak of mpox, External situation report #13 [Read More](#)
- ◆ Mpox Cases Among Cisgender Women and Pregnant Persons — United States, May 11–November 7, 2022 [Read More](#)
- ◆ Demographic and Clinical Characteristics of Mpox in Persons Who Had Previously Received 1 Dose of JYNNEOS Vaccine and in Unvaccinated Persons — 29 U.S. Jurisdictions, May 22–September 3, 2022 [Read More](#)
- ◆ Breakthrough Infections after Postexposure Vaccination against Mpox [Read More](#)

### **Other**

- ◆ UK HAIRS - Emerging infections: how and why they arise [Read More](#)
- ◆ SHIC - January Global Swine Disease Monitoring Report [Read More](#)
- ◆ SHIC - January Domestic Swine Disease Monitoring Report [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.