

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

### Highly Pathogenic Avian Influenza

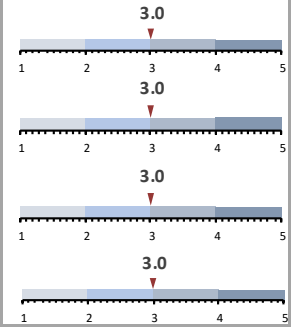
- ◆ Over the last week, **Canada** has reported one outbreak of HPAI in commercial poultry in **Quebec**
- ◆ **France** has reported an outbreak of HPAI in the commune of **Notre Dame de Riez**, at a duck farm that had previously been vaccinated against HPAI
- ◆ In **Alaska**, a polar bear found dead in October 2023, was confirmed positive for HPAI on December 6<sup>th</sup>, 2023; the bear is suspected to have acquired the virus by consuming infected birds
- ◆ Following visual observations near the end of December 2023, HPAI is suspected in Antarctic Skuas in the **Antarctic Treaty Area** near **Argentina's** Orcadas Station

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## NEW EVENTS: (events rated > 2)



### Argentine Hemorrhagic Fever in Santa Fe, Argentina

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

① A 42-year-old man who worked in the rural area of Santa Fe, died on January 1, after contracting Argentine hemorrhagic fever (AHF) and spending more than 10 days hospitalized in a sanatorium in Rosario. The man lived in the town of Funes and worked in Cañada de Gómez. Before his infection, he had traveled to Santiago del Estero for agricultural work. AHF is endemic in three provinces of Argentina: Santa Fe, Buenos Aires, and La Pampa. It is usually transmitted by rodents in the countryside, however cases have been reported in urban and peri-urban areas. Vaccination is available and recommended to people residing in rural areas.

[Read More](#)

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

## CONTINUED EVENTS: (events rated ≥ 2.4)

### Highly Pathogenic Avian Influenza in North America

**No. of Signals: 02**

**No. of weeks in report: 97**

**Avg. Rating: 3.0**

- Over the last week, [Canada](#) has reported one outbreak of HPAI in commercial poultry in Quebec
- In [Alaska](#), a polar bear found dead in October 2023, was confirmed positive for HPAI on December 6<sup>th</sup>, 2023; the bear is suspected to have acquired the virus by consuming infected birds

### Highly Pathogenic Avian Influenza in South America

**No. of Signals: 01**

**No. of weeks in report: 57**

**Avg. Rating: 3.0**

- Following visual observations near the end of December 2023, HPAI is suspected in Antarctic Skuas in the Antarctic Treaty Area near [Argentina's](#) Orcadas Station

### Highly Pathogenic Avian Influenza in Europe

**No. of Signals: 14**

**No. of weeks in report: 158**

**Avg. Rating: 2.0 - 3.0**

- [France](#) has reported an outbreak of HPAI in the commune of Notre Dame de Riez, at a duck farm that had previously been vaccinated against HPAI
- [Belgium](#), [Hungary](#), [Czech Republic](#), and [Moldova](#) have reported HPAI H5N1 in domestic poultry
- The [UK](#), [Romania](#), [Moldova](#), [Ukraine](#), [Spain](#), and [Germany](#) have reported HPAI H5N1 in wild birds
- [Sweden](#) has reported HPAI H5 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

### Western Equine Encephalitis in South America

**No. of Signals: 03**

**No. of weeks in report: 02**

**Avg. Rating: 2.0 - 2.4**

- [Argentina](#) has reported over 1,000 cases of WEE in horses, affecting 15/24 provinces so far; the human case count remains at 12 confirmed cases
- [Argentina](#) is currently experiencing a large increase/peak of *Aedes albifasciatus* mosquitos in the Buenos Aires Metropolitan Area, the mosquito is known to transmit WEE
- [Paraguay](#) is currently analyzing a dozen (implied - human) suspected cases of WEE; 15 cases have already been ruled out

### Highly Pathogenic Avian Influenza in Asia

**No. of Signals: 02**

**No. of weeks in report: 123**

**Avg. Rating: 2.0**

- In addition to the recent H5N1 outbreaks, [South Korea](#) has also reported 18 outbreaks of HPAI H5N6 in domestic poultry and four cases in wild birds, with the risk of further spread classified as high
- [Kazakhstan](#) has reported HPAI H5N1 in wild birds

### Highly Pathogenic Avian Influenza in Africa

**No. of Signals: 01**

**No. of weeks in report: 62**

**Avg. Rating: 2.0**

- [South Africa](#) has reported HPAI H5 in domestic poultry in KwaZulu-Natal

## SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

### Coronavirus

- ◆ SARS-CoV-2 Outbreaks on Mink Farms — A Review of Current Knowledge on Virus Infection, Spread, Spillover, and Containment

[Read More](#)

### Mpox

- ◆ Clinical Manifestations of an Outbreak of Monkeypox Virus in Captive Chimpanzees in Cameroon, 2016

[Read More](#)

### Other

- ◆ SHIC Domestic Disease Monitoring Report – January 2024 [Read More](#)
- ◆ SHIC Global Disease Monitoring Report – January 2024 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 31-6 January 2024, week 1 [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.