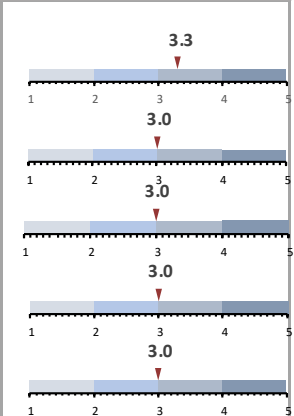


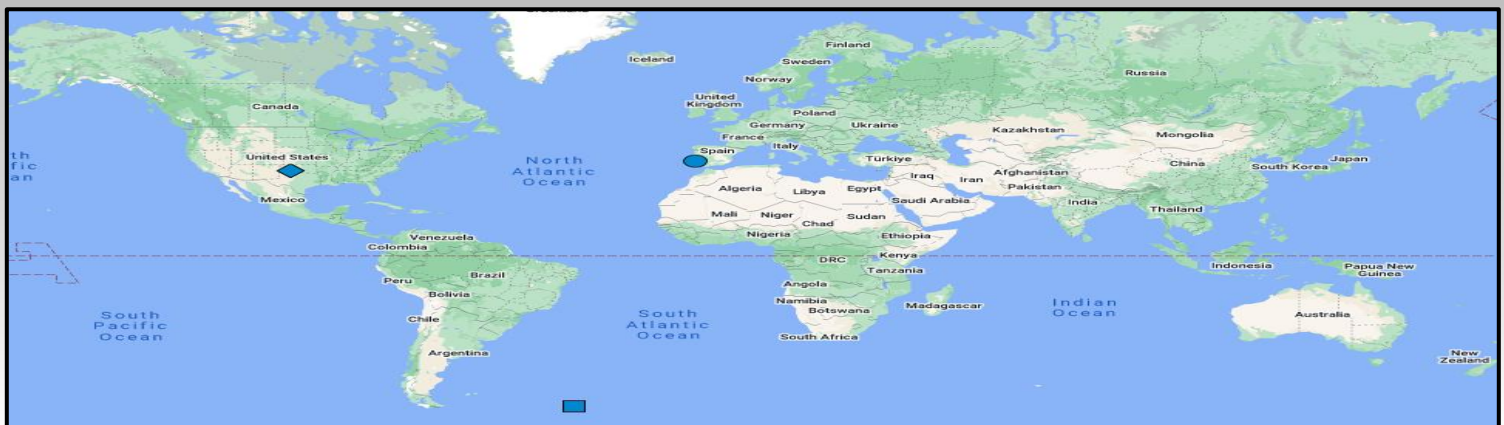
SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥3.0)

Highly Pathogenic Avian Influenza

- ◆ Over the last week, **Canada** has reported outbreaks of HPAI in commercial poultry in: **Alberta(1), British Columbia(3), and Quebec(1)** [Read More](#)
- ◆ HPAI H5N1 has been confirmed in 3 brown skua on **Bird Island, South Georgia and South Sandwich Islands**, the first case in the **Antarctic** region [Read More](#)
- ◆ **Mexico** has reported the first case of HPAI H5 this season in farmed poultry in **Cajeme, Sonora** [Read More](#)
- ◆ **Brazilian** authorities are investigating the deaths of ~550 sea lions in different parts **Rio Grande do Sul** in less than a month due to suspected HPAI [Read More](#)
- ◆ **Argentina** is investigating a mortality event of ~1,300 elephant seals in **Valdes Peninsula** due to suspected HPAI [Read More](#)



NEW EVENTS: (events rated > 2)



Highly Pathogenic Avian Influenza H5N1 in Bird Island, South Georgia and South Sandwich Islands

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

① Following reports of several potentially symptomatic birds and unexplained mortality by British Antarctic Survey staff, testing at the Animal and Plant Health Agency laboratories in Weybridge has confirmed the presence of HPAI H5N1 in three brown skua populations on Bird Island, South Georgia. These are the first confirmed cases of HPAI in the Antarctic region. The primary means of spread of HPAI is through natural pathways, likely from birds returning from their migration on the South American continent where the disease is widespread. [Read More](#)

Avg. Rating	2.6 - 3.0
No. of Signal	3
No. of Ratings	5 - 7

Cutaneous Leishmaniasis in the USA

Pathogen: parasite; **Transmission:** vector; **Species affected in event:** human

① An analysis of 2,133 human tissue samples sent to the CDC for testing between 2005 and 2019 for leishmaniasis found that most of the positive samples came from people who had traveled to countries where cutaneous leishmaniasis was endemic, however 86 people who were infected had not traveled outside the United States. Genetic sequencing then revealed two distinct strains and found that one was present in an overwhelming majority of patients who had travelled abroad, while the other predominated in people who had not. The analysis indicates that a parasitic strain circulating in the U.S. for years is slightly different from the parasite *Leishmania mexicana* typically found in Mexico and Central America. [Read More](#)

Avg. Rating	2.0 - 2.9
No. of Signal	2
No. of Ratings	5 - 10

Epizootic Hemorrhagic Disease in Portugal

Pathogen: virus; **Transmission:** vector; **Species affected in event:** cattle

① Portugal has reported 33 cases of EHD in cattle in Trás-os-Montes. The first cases of the disease were detected in the northern territories in July and early August 2023. Case reports have been more frequent since the beginning of September. [Read More](#)

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

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America No. of Signals: 07 No. of weeks in report: 88 Avg. Rating: 2.2 - 3.3

- Over the last week, [Canada](#) has reported outbreaks of HPAI in commercial poultry in: Alberta(1), British Columbia(3), and Quebec(1)
- Over the last week, the [USA](#) has reported outbreaks of HPAI in commercial poultry in: Iowa (2), South Dakota(3), Minnesota(3), California(1), and Alabama(1); in WOAHP poultry in: Washington(1); in WOAHP non-poultry in: Iowa(1), Oregon(1), Minnesota(1), and Alaska(2)
- HPAI has also been confirmed in domesticated swans in Nueces County, [Texas](#)
- [Mexico](#) has reported the first case of HPAI H5 this season in farmed poultry in Cajeme, Sonora

Highly Pathogenic Avian Influenza in South America No. of Signals: 04 No. of weeks in report: 49 Avg. Rating: 2.0 - 3.0

- [Brazilian](#) authorities are investigating the deaths of ~550 sea lions in different parts Rio Grande do Sul in less than a month due to suspected HPAI
- [Argentina](#) is investigating a mortality event of ~1,300 elephant seals in Valdes Peninsula due to suspected HPAI
- [Brazil](#) has reported additional cases of HPAI H5N1 in wild birds

Lumpy Skin Disease in Asia No. of Signals: 05 No. of weeks in report: 16 Avg. Rating: 2.0 - 2.8

- As of October 29, 2023, [South Korea](#) has reported 60 cases of LSD across six provinces affecting 3,959 animals

Anaplasmosis in the USA No. of Signals: 01 No. of weeks in report: 04 Avg. Rating: 2.7

- [South Dakota](#) has reported anaplasmosis across some of its herds this fall; the number of cases nationwide appears to be increasing as a result of Dermacentor ticks becoming more prevalent due to an increase in land surface temperature and increase in humidity

Bluetongue virus in Europe No. of Signals: 04 No. of weeks in report: 04 Avg. Rating: 2.0 - 2.7

- As of October 31, 2023, the [Netherlands](#) have reported a total of 3,914 cases of BTV, of which 1,372 have noted clinical signs
- The [source of introduction](#) of BTV serotype 3 into the Netherlands is thought to be related to midges present in household waste that was transported via train from Rome to Amsterdam
- [Germany](#) has reported another case of BTV serotype 3, this time in Bad Zwischenahn

Dengue in the USA No. of Signals: 01 No. of weeks in report: 02 Avg. Rating: 2.5

- [California](#) has reported its first locally acquired case of Dengue in Pasadena; all other locally transmitted cases of dengue have previously been reported in Florida

Highly Pathogenic Avian Influenza in Europe No. of Signals: 11 No. of weeks in report: 149 Avg. Rating: 2.0

- [Romania](#), [Scotland](#), and [Bulgaria](#) have reported HPAI H5N1 in domestic birds
- [Sweden](#), [Austria](#), [Norway](#), [Germany](#), and [Finland](#) have reported 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: 04 No. of weeks in report: 115 Avg. Rating: 2.0

- [India](#) has reported HPAI H5N1 in wild birds
- [Japan](#) has reported HPAI H5 in wild birds

SCIENTIFIC FINDINGS & REPORTS:

African Swine Fever

- ◆ WOAHP warns global swine industry of sub-standard ASF vaccines [Read More](#)

Influenza

- ◆ Serological exposure to influenza A in cats from an area with wild birds positive for avian influenza [Read More](#)
- ◆ OFFLU Avian Influenza Matching (Offlu-Aim) Report [Read More](#)

Vectors and Vector-borne Disease

- ◆ Expanding diversity of bunyaviruses identified in mosquitoes [Read More](#)

Other

- ◆ Diversity and independent evolutionary profiling of rodent-borne viruses in Hainan, a tropical island of China [Read More](#)
- ◆ Emerging Infectious Diseases Are Virulent Viruses—Are We Prepared? An Overview [Read More](#)
- ◆ Look What the Cat Dragged in! Recurrent Clostridioides difficile from a Household Cat [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.