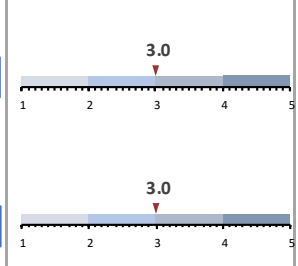


## SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

### Highly Pathogenic Avian Influenza

- ◆ In the **USA**, at the end of May 2023, HPAI H5N5 fully Eurasian lineage goose/Guangdong clade 2.3.4.4b virus was confirmed in wild great black-backed gulls in **Suffolk County, New York** (1 sampled March 2023) and **Barnstable and Plymouth Counties, Massachusetts** (4 sampled January-February 2023); on June 5, 2023, HPAI H5N6 was confirmed in a wild bald eagle from **Washington County, Minnesota** (1 sampled May 2023)
- ◆ **Chile** has closed The Humboldt Penguin National Reserve in **Damas** due to avian influenza, after ~10% of penguins have already died

[Read More](#)



[Read More](#)

## NEW EVENTS: (events rated > 2)

No new events to report this week

## CONTINUED EVENTS: (events rated ≥ 2.4)

### Highly Pathogenic Avian Influenza in North America

**No. of Signals: 01**

**No. of weeks in report: 73**

**Avg. Rating: 3.0**

- [Canada](#) has not reported any outbreaks of HPAI H5N1 in domestic poultry since early May 2023
- The [USDA](#) has not reported any outbreaks of HPAI H5N1 in domestic poultry since mid-May 2023
- In the [USA](#), at the end of May 2023, HPAI H5N5 fully Eurasian lineage goose/Guangdong clade 2.3.4.4b virus was confirmed in wild great black-backed gulls in Suffolk County, New York (1 sampled March 2023) and Barnstable and Plymouth Counties, Massachusetts (4 sampled January-February 2023); on June 5, 2023, HPAI H5N6 was confirmed in a wild bald eagle from Washington County, Minnesota (1 sampled May 2023)

### Highly Pathogenic Avian Influenza in South America

**No. of Signals: 06**

**No. of weeks in report: 30**

**Avg. Rating: 2.0 – 3.0**

- [Chile](#) has closed The Humboldt Penguin National Reserve in Damas due to avian influenza, after ~10% of penguins have already died
- [Argentina](#) has reported an outbreak of HPAI H5N1 in domestic poultry
- [Brazil](#) has reported one new case of HPAI H5N1 in a wild bird, bringing the total confirmed HPAI cases to 31
- [Paraguay](#) has declared a nationwide animal sanitary emergency due to the spread of HPAI; the emergency officially started on May 20, 2023 and will last for six months

### Influenza A (H9N2) in China

**No. of Signals: 02**

**No. of weeks in report: 47**

**Avg. Rating: 1.8 – 2.8**

- [China](#) has reported another human case of avian influenza A (H9N2); the case involves a 7-month-old boy from Jiangxi province whose symptoms began on May 1, 2023; this marks the mainland's third H9N2 case in the past 6 months

### Streptococcus zooepidemicus in North America

**No. of Signals: 01**

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

**Avg. Rating: 2.5**

- *Strep. zoo.* outbreaks have been reported in western [Canada](#), affecting mainly sow barns but also market age hogs; the Swine Health Information Center has recently added *Strep. zoo.* to its list of the most important agents that should be focused on

### Vesicular Stomatitis in the USA

**No. of Signals: 02**

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

**Avg. Rating: 2.3 – 2.4**

- [Texas](#) has reported its first case of VSV this year, in a 15-year-old Quarter Horse gelding in Maverick County
- Since the start of the outbreak, 96 VSV-affected premises have been identified (33 confirmed positive, 63 suspect) in two states, California and Texas

### Highly Pathogenic Avian Influenza in Europe

**No. of Signals: 12**

**No. of weeks in report: 130**

**Avg. Rating: 1.5 – 2.2**

- [Russia](#) has reported HPAI H5N1 in domestic poultry
- [Luxembourg](#), the [Czech Republic](#), [England](#), [Hungary](#), [Switzerland](#), [France](#), [Russia](#), [Latvia](#), [Germany](#), and [Poland](#) 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: 02**

**No. of weeks in report: 105**

**Avg. Rating: 2.0**

- [Nepal](#) and [South Korea](#) have reported outbreaks of HPAI H5N1 in domestic poultry

### Highly Pathogenic Avian Influenza in Africa

**No. of Signals: 01**

**No. of weeks in report: 47**

**Avg. Rating: 2.0**

- [South Africa](#) has reported HPAI H5 in wild birds in Western Cape

## SCIENTIFIC FINDINGS & REPORTS:

### Influenza

- ◆ Highly Pathogenic Avian Influenza Virus (H5N1) Clade 2.3.4.4b Introduced by Wild Birds, China, 2021 [Read More](#)
- ◆ Low Susceptibility of Pigs against Experimental Infection with HPAI Virus H5N1 Clade 2.3.4.4b [Read More](#)
- ◆ Diverse infectivity, transmissibility, and pathobiology of clade 2.3.4.4 H5Nx highly pathogenic avian influenza viruses in chickens [Read More](#)
- ◆ Long-term Epidemiology and Evolution of Swine Influenza Viruses, Vietnam [Read More](#)

### Vectors and Vector-borne Diseases

- ◆ PAHO - Epidemiological Update - Dengue, chikungunya and Zika - 10 June 2023 [Read More](#)

### Other

- ◆ Exposure to diverse sarbecoviruses indicates frequent zoonotic spillover in human communities interacting with wildlife [Read More](#)
- ◆ Sarbecoviruses of British horseshoe bats; sequence variation and epidemiology [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.