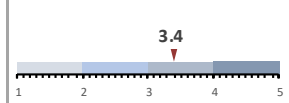


## SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥3.0)

### Highly Pathogenic Avian Influenza

- Over the last week, **Canada** has reported one outbreak of HPAI in non-commercial poultry in **British Columbia**

[Read More](#)



## NEW EVENTS: (events rated > 2)



### Brucellosis in Taiwan

**Pathogen:** bacteria; **Transmission:** direct contact, ingestion, vertical, inhalation; **Species affected in event:** sheep

Taiwan has reported its first case of brucellosis in more than 30 years. Three sheep raised at a farm in Jiouru Township were confirmed to have the disease during a routine annual inspection for brucellosis. The farm was disinfected and the infected animals culled. The source of infection is being investigated and it is unclear what species of brucella is involved.

[Read More](#)

Avg. Rating	2.3
No. of Signal	1
No. of Ratings	6

## CONTINUED EVENTS: (events rated ≥ 2.4)

### Highly Pathogenic Avian Influenza in North America

**No. of Signals: 10**

**No. of weeks in report: 95**

**Avg. Rating: 1.5 - 3.4**

- Over the last week, **Canada** has reported one outbreak of HPAI in non-commercial poultry in British Columbia
- Over the last week, the **USA** has reported outbreaks of HPAI in commercial poultry in: California(3), Minnesota(1), South Dakota(1), Kansas(1), and Ohio(1); in WOAH poultry in: New York(1), Kansas(1), and Idaho(1); in WOAH non-poultry in: Missouri(1), Alabama(1), Colorado(1), Oregon(1), Arkansas(1), and Minnesota(1)
- The **USA** has also recently reported HPAI H5N1 in feral domestic cats found on HPAI infected premises in South Dakota and Montana
- Based on the results of the HPAI vaccine trial, the vaccination of California condors in **Arizona** will move forward with vaccinations of captive and free-flying condors

### Highly Pathogenic Avian Influenza in South America

**No. of Signals: 03**

**No. of weeks in report: 55**

**Avg. Rating: 2.7 - 2.9**

- In southern **Brazil**, in the State of Rio Grande do Sul, nearly 1000 seals and sea lions have died due to HPAI H5N1
- Uruguayan** authorities have buried 2,780 sea lions in an effort to mitigate the spread of HPAI; not all buried sea lions were tested for HPAI, however of those tested, 40.2% returned positive results

### Highly Pathogenic Avian Influenza in Asia

**No. of Signals: 11**

**No. of weeks in report: 121**

**Avg. Rating: 2.0 - 2.3**

- South Korea** has reported additional outbreaks of HPAI H5N1 in domestic poultry, bringing the total number of outbreaks this winter to 10
- Cambodia** and **Taiwan** have reported outbreaks of HPAI H5N1 in domestic poultry
- China** and **Japan** have reported HPAI H5N1 in wild birds
- Hong Kong** has reported finding HPAI H5N1 in wild bird fecal droppings at the Mai Po Nature Reserve

### Highly Pathogenic Avian Influenza in Europe

**No. of Signals: 12**

**No. of weeks in report: 156**

**Avg. Rating: 2.0**

- Hungary**, **Poland**, and **Germany** have reported HPAI H5N1 in domestic poultry
- Germany**, **Belgium**, the **Netherlands**, **Sweden**, and **Austria** have reported HPAI H5N1 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

## SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

### African Swine Fever

- ◆ African Swine Fever: A Review of Current Disease Management Strategies and Risks Associated with Exhibition Swine in the United States [Read More](#)

### Influenza

- ◆ Avian Influenza A(H5N1) Neuraminidase Inhibition Antibodies in Healthy Adults after Exposure to Influenza A(H1N1)pdm09 [Read More](#)
- ◆ Highly pathogenic avian influenza H5N1 virus infection of companion animals [Read More](#)
- ◆ ECDC/EFSA Avian Influenza Overview September – December 2023 [Read More](#)
- ◆ Genetically Related Avian Influenza H7N9 Viruses Exhibit Different Pathogenicity in Mice [Read More](#)
- ◆ UKHSA - Influenza A(H1N2)v: rapid technical assessment [Read More](#)

### Vectors and Vector-borne Disease

- ◆ *Theileria orientalis* Ikeda in Cattle, Alabama, USA [Read More](#)
- ◆ PAHO - Risk Assessment for public health related to Dengue in the Americas Region - 12 December 2023 [Read More](#)

### Other

- ◆ Hantavirus Disease Cluster Caused by Seoul Virus, Germany [Read More](#)
- ◆ Novel Ozark Orthohantavirus in Hispid Cotton Rats (*Sigmodon hispidus*), Arkansas, USA [Read More](#)
- ◆ ECDC - Communicable disease threats report, 10-16 December 2023, week 50 [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.