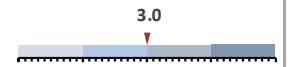


## SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥3.0)

### Influenza A (H5N1)

◆ **Cambodia** has reported two fatal human infections of influenza A (H5N1), one in a 50-year-old man from **Svay Rieng** and the other in a 2-year-old girl from **Prey Veng**; it's unclear whether the virus belongs to the 2.3.2.1c clade known to circulate in the country's poultry or if the deaths involve the 2.3.4.4b clade circulating more globally

[Read More](#)



### Highly Pathogenic Avian Influenza

- ◆ Over the last week, **Canada** has reported outbreaks of HPAI in commercial poultry in **Alberta** (2)
- ◆ Over the last week, the **USA** has reported outbreaks of HPAI in commercial poultry in: **Utah** and **South Dakota**, as well as WOAHP non-poultry in: **Idaho**
- ◆ **Finland** has reported two additional mink farms infected with HPAI H5N1 located in the municipalities of **Vöyri** and **Pedersöre**, as a result of active avian influenza surveillance
- ◆ **Brazil** has reported its first cases of HPAI H5N1 in marine mammals, in south American sea lions on **Cassion beach** in **Rio Grande do Sul**
- ◆ **Iceland** has reported its first cases of HPAI H5N5 in a sea eagle and eider found in mid-late September 2023; this is a non-common strain that has previously been detected in a few wild birds in **Norway** and **Sweden**, and in wild birds, red foxes and skunks in eastern **Canada**

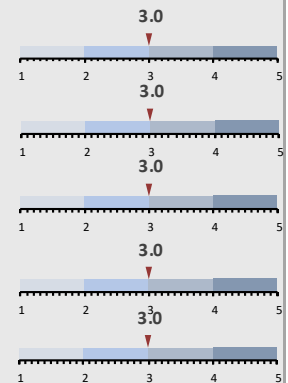
[Read More](#)

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## NEW EVENTS: (events rated > 2)

No new events to report this week

## CONTINUED EVENTS: (events rated ≥ 2.4)

### Influenza A (H5N1) in Cambodia

**No. of Signals: 01**

**No. of weeks in report: 03**

**Avg. Rating: 3.0**

- ◆ **Cambodia** has reported two fatal human infections of influenza A (H5N1), one in a 50-year-old man from Svay Rieng and the other in a 2-year-old girl from Prey Veng; it's unclear whether the virus belongs to the 2.3.2.1c clade known to circulate in the country's poultry or if the deaths involve the 2.3.4.4b clade circulating more globally

### Highly Pathogenic Avian Influenza in Europe

**No. of Signals: 11**

**No. of weeks in report: 146**

**Avg. Rating: 2.0 - 3.0**

- ◆ **Finland** has reported two additional mink farms infected with HPAI H5N1 located in the municipalities of Vöyri and Pedersöre, as a result of active avian influenza surveillance
- ◆ **Iceland** and **Norway** have reported HPAI H5N5 in wild birds
- ◆ The **Faroe Islands** have reported HPAI H5 in domestic birds
- ◆ **Serbia**, **Slovenia**, and **Germany** have reported HPAI H5N1 in wild birds
- ◆ A summary of the overall HPAI situation in Europe is available [here](#)

### Highly Pathogenic Avian Influenza in North America

**No. of Signals: 08**

**No. of weeks in report: 85**

**Avg. Rating: 2.0 - 3.0**

- ◆ Over the last week, **Canada** has reported outbreaks of HPAI in commercial poultry in Alberta (2)
- ◆ Over the last week, the **USA** has reported outbreaks of HPAI in commercial poultry in: Utah and South Dakota, as well as WOAHP non-poultry in: Idaho
- ◆ **Mexico** confirmed a case of HPAI H5N1 in clinically healthy migratory duck in Jalisco, on the same day it declared the country's poultry farms free of the virus

### Highly Pathogenic Avian Influenza in South America

**No. of Signals: 04**

**No. of weeks in report: 46**

**Avg. Rating: 2.0 - 3.0**

- ◆ **Brazil** has reported its first cases of HPAI H5N1 in marine mammals, in south American sea lions on Cassion beach in Rio Grande do Sul
- ◆ **Brazil** has reported five additional cases of HPAI H5N1 in wild birds bringing the total number of wild bird cases to 111

### Malaria in the USA

**No. of Signals: 01**

**No. of weeks in report: 05**

**Avg. Rating: 2.4**

- ◆ **Arkansas** has reported a locally acquired case of malaria in a person who resides in Saline County and has not traveled out of the country; Arkansas is the fourth state this year to report locally transmitted malaria infections

### Salmonella in the USA

**No. of Signals: 01**

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

**Avg. Rating: 2.4**

- ◆ The **CDC** has updated its information on a Salmonella outbreak linked to pet turtles, which includes 33 new cases and 7 more affected states, bringing the total number of cases to 59 with 23 hospitalizations across 18 states; no deaths have been reported

### Highly Pathogenic Avian Influenza in Asia

**No. of Signals: 01**

**No. of weeks in report: 112**

**Avg. Rating: 2.0**

- ◆ **Taiwan** has reported HPAI H5N1 on a chicken farm in Tainan

### Highly Pathogenic Avian Influenza in Africa

**No. of Signals: 04**

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

**Avg. Rating: 2.0**

- ◆ **South Africa** continues to report outbreaks of HPAI H7N6 in domestic poultry; some retailers have started [rationing](#) how many eggs customers can buy

## SCIENTIFIC FINDINGS & REPORTS:

### African Swine Fever

- ◆ Pathogenicity and Pathological Characteristics of African Swine Fever Virus Strains from Pig Farms in South Korea from 2022 to January 2023 [Read More](#)

### Influenza

- ◆ CDC Technical Report: Highly Pathogenic Avian Influenza A(H5N1) Viruses [Read More](#)
- ◆ Rational approach to vaccination against highly pathogenic avian influenza in Nigeria: a scientific perspective and global best practice [Read More](#)
- ◆ Potential for transmission of naturally mutated H10N1 avian influenza virus to mammalian hosts and causing severe pulmonary disease [Read More](#)

### Other

- ◆ First Case of Zoonotic Transmission of Streptococcus equi Subspecies zooepidemicus From Cat to Human [Read More](#)
- ◆ SHIC Domestic Disease Monitoring Report – October 2023 [Read More](#)
- ◆ SHIC Global Disease Monitoring Report – October 2023 [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.*