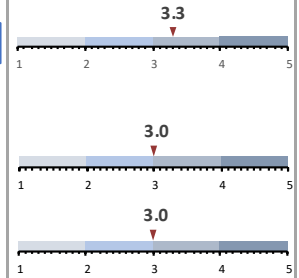


## SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥3.0)

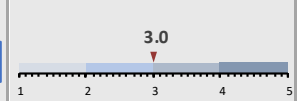
### Highly Pathogenic Avian Influenza

- ◆ The ECDC/**Poland** has reported 24/45 positive Influenza A (H5N1) samples from sick or dead cats across **Poland**, with 13/24 positive cats having been fed raw chicken; the genome of the virus is available on GISAID (EPI\_ISL\_17949824) and exhibits two mutations; molecular markers to mammal adaptation [Read More](#)
- ◆ **Italy** has reported influenza A (H5N1) antibodies in five dogs and a cat from a poultry farm in **Brescia**, which previously experienced an outbreak of HPAI H5N1; the virus exhibited a mutation in the PB2 gene, suggesting potential adaptation to mammals [Read More](#)
- ◆ **Brazil** has reported additional cases of HPAI in wild birds, now found in the state of **Paraná**, the country's main poultry producing state [Read More](#)



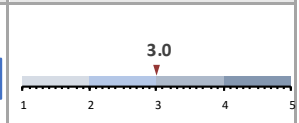
### Anthrax

- ◆ The **Northwest Territories** has confirmed an outbreak of anthrax in the **Slave River Lowlands** bison population; as of July 10, 2023, 28 cases have been confirmed [Read More](#)



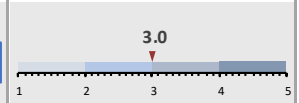
### Malaria

- ◆ **Florida** has reported two additional cases of locally transmitted malaria in **Sarasota County**; three mosquitos from an individual woodlot in the same county have also tested positive for *Plasmodium vivax* [Read More](#)



### African Swine Fever

- ◆ **Greece** has reported an outbreak of ASF in domestic swine in **Skopos**, indicating westward spread of ASF in the country [Read More](#)



## NEW EVENTS: (events rated > 2)



### ■ Anthrax in the Northwest Territories

**Pathogen:** bacteria; **Transmission:** direct contact, vector, aerosol, fomite, injection; **Species affected in event:** bison

① An anthrax outbreak in the Slave River Lowlands Bison Population has been confirmed via laboratory testing, and therefore, all bison carcasses will be treated as confirmed anthrax cases. As of July 10, 2023, twenty-eight cases have been confirmed. Carcasses have not been found in public access areas. [Read More](#)

Avg. Rating	3.0
No. of Signal	4
No. of Ratings	4 - 5

### ◆ Anthrax in Minnesota & Texas

**Pathogen:** bacteria; **Transmission:** direct contact, vector, aerosol, fomite, injection; **Species affected in event:** cattle, horse

① Minnesota has reported the state's first anthrax outbreak since 2013, in Kittson county. The outbreak is affecting multiple cattle and a horse. The affected property has been quarantined. [Read More](#)

① Texas has reported its first case of anthrax this year, in a hair sheep in Crockett County [Read More](#)

Avg. Rating	2.0 - 2.4
No. of Signal	4
No. of Ratings	5

### ● New World Screwworm in Panama

**Pathogen:** parasite; **Transmission:** obligatory wound parasites; **Species affected in event:** cattle

① Panama has declared an animal health emergency across the entire country in response to the increasing outbreaks of cattle screwworms. There has been a rise in cases of the disease affecting cattle, which is being attributed to factors such as the ongoing pandemic and climate variability. [Read More](#)

Avg. Rating	2.2
No. of Signal	1
No. of Ratings	5

## CONTINUED EVENTS: (events rated ≥ 2.4)

### Highly Pathogenic Avian Influenza in Europe

**No. of Signals: 32**

**No. of weeks in report: 133**

**Avg. Rating: 2.0–3.3**

- The [ECDC update](#) on the HPAI situation in cats in Poland reports 24/45 positive Influenza A (H5N1) samples from sick or dead cats across Poland, with 13/24 positive cats having been fed raw chicken; the genome of the virus is available on GISAID (EPI\_ISL\_17949824) and exhibits two mutations, molecular markers to mammal adaptation
- [Italy](#) has reported influenza A (H5N1) antibodies in five dogs and a cat from a poultry farm in Brescia, which previously experienced an outbreak of HPAI H5N1; the virus exhibited a mutation in the PB2 gene, suggesting potential adaptation to mammals
- [Norway](#), [Sweden](#), [Svalbard and Jan Mayen Islands](#), [Germany](#), [Latvia](#), [Hungary](#), [Belgium](#), [Poland](#), and [Ireland](#) have reported HPAI H5N1 in wild birds
- [Poland](#), [England](#), and [France](#) have reported HPAI H5N1 in domestic poultry
- A summary of the overall HPAI situation in Europe is available [here](#)

### African Swine Fever in Europe

**No. of Signals: 07**

**No. of weeks in report: 145**

**Avg. Rating: 2.0–3.0**

- [Greece](#) has reported ASF in domestic swine in Skopos, indicating westward spread of ASF in the country
- [Macedonia](#) and [Serbia](#) have reported cases of ASF in domestic swine
- [Italy](#), [Poland](#), [Macedonia](#), and [Russia](#) have reported cases of ASF in wild boar

### Highly Pathogenic Avian Influenza in South America

**No. of Signals: 04**

**No. of weeks in report: 33**

**Avg. Rating: 2.0–3.0**

- [Brazil](#) has reported additional cases of HPAI in wild birds, now found in the state of Parana, the country's main poultry producing state
- [Chile](#) has confirmed the detection of two sea lions killed by HPAI in its southernmost region near Puerto Williams Bay in June 2023; this is the southernmost report of Eurasian HPAI H5N1

### Malaria in the USA

**No. of Signals: 04**

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

**Avg. Rating: 2.0–3.0**

- [Florida](#) has reported two additional cases of locally transmitted malaria in Sarasota County; [three mosquitos](#) from an individual woodlot in the same county have also tested positive for *Plasmodium vivax*

### Canine Influenza in North America

**No. of Signals: 01**

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

**Avg. Rating: 2.8**

- Veterinarians across [Central Arkansas](#) are warning of a canine influenza outbreak, as some clinics diagnose 8-10 infected dogs per day; there is a current shortage of canine influenza vaccines

### Highly Pathogenic Avian Influenza in Africa

**No. of Signals: 01**

**No. of weeks in report: 49**

**Avg. Rating: 2.4**

- [Togo](#) has reported an outbreak of HPAI H5N1 on a poultry farm near Lome

### Highly Pathogenic Avian Influenza in North America

**No. of Signals: 04**

**No. of weeks in report: 76**

**Avg. Rating: 1.8–2.4**

- [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
- The CDC has issued a new [IRAT Risk Assessment](#) on the Influenza A (H5N1) clade 2.3.4.4b associated with the outbreak among mink in Spain in 2022; the overall risk score remains “moderate”, however the score has risen in 6/10 parameters used to evaluate zoonotic potential

### Influenza A (H9N2) in China

**No. of Signals: 01**

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

**Avg. Rating: 2.0**

- [China](#) has reported two human cases of influenza A(H9N2) in children; one in a 7-month-old boy from Jiangxi with onset on May 1, 2023, and the other in a 6-year-old girl from Sichuan with onset on May 30, 2023

## SCIENTIFIC FINDINGS & REPORTS:

### African Swine Fever

- ◆ Comparison of Attenuated and Virulent Strains of African Swine Fever Virus Genotype I and Serogroup 2

[Read More](#)

### Influenza

- ◆ A Novel Triple Reassortment H3N8 Avian Influenza Virus: Characteristics, Pathogenicity, and Transmissibility

[Read More](#)

- ◆ Biological features of human influenza A(H3N8) viruses in China

[Read More](#)

- ◆ Chimeric H5 influenza virus-like particle vaccine elicits broader cross-clade antibody responses in chickens than in ducks

[Read More](#)

### Other

- ◆ Rising Incidence of *Sporothrix brasiliensis* Infections, Curitiba, Brazil, 2011–2022

[Read More](#)

- ◆ A Novel Simian Adenovirus Associating with Human Adenovirus Species G Isolated from Long-Tailed Macaque Feces

[Read More](#)

- ◆ First report of porcine respirovirus 1 in Brazil

[Read More](#)

- ◆ SHIC Domestic Disease Monitoring Report – July 2023

[Read More](#)

- ◆ SHIC Global Disease Monitoring Report – July 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.