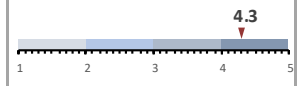


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

Foot and Mouth Disease

◆ In 2023, FMD serotype SAT-2 outbreaks were registered in **Türkiye, Jordan, and Iraq**; **Russia** has released 3.5 million doses of vaccine containing a new strain of FMD virus type SAT-2; a delegation of representatives from **Iran** paid an official visit to **Russia** to negotiate joint cooperation and the supply of veterinary drugs to **Iran**

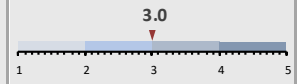
[Read More](#)



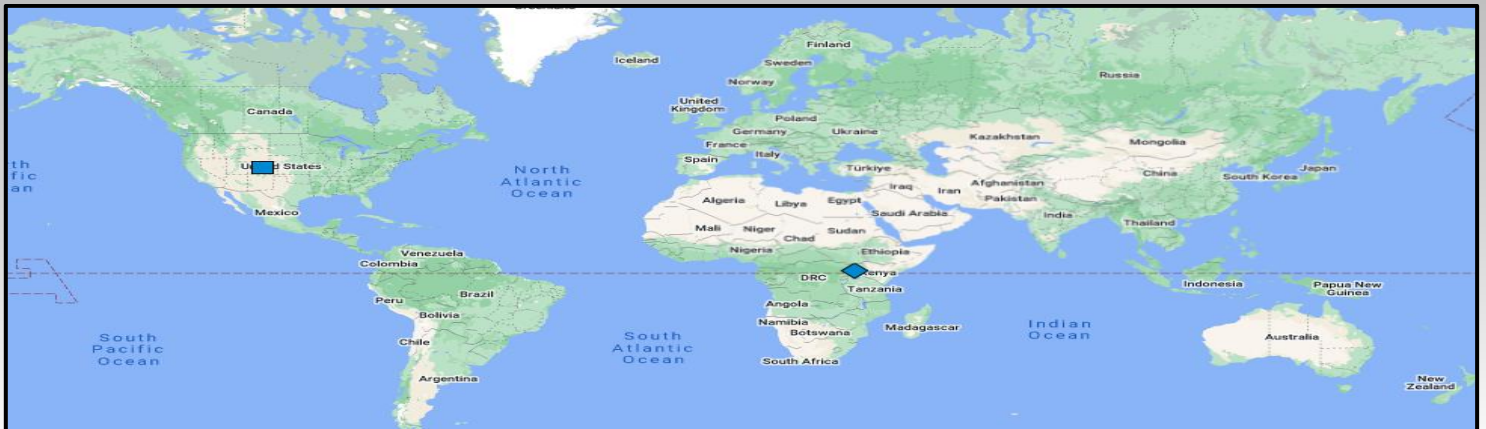
Highly Pathogenic Avian Influenza

◆ Over the last week, **Canada** has reported outbreaks of HPAI H5N1 in commercial poultry in: **British Columbia(1)** and **Quebec(1)**

[Read More](#)



NEW EVENTS: (events rated > 2)



White Nose Syndrome in Colorado

Pathogen: fungus; **Transmission:** direct contact, fomite; **Species affected in event:** bat

① Colorado has reported WNS in a bat for the first time. An adult, female bat was found on the ground and unable to fly at Bent's Old Fort National Historic Site in Otero County outside of La Junta. Tests later confirmed the bat was infected with WNS. The discovery is not unexpected as the fungus that causes WNS (*Pseudogymnoascus destructans*) was found in the same area last July. [Read More](#)

Avg. Rating	2.8
No. of Signal	1
No. of Ratings	6

Undiagnosed Hemorrhagic Fever in Uganda

Pathogen: unknown; **Transmission:** unknown; **Species affected in event:** human

① Ebola virus has been ruled out as the cause of death of a 48 year-old man, who exhibited hemorrhagic fever symptoms before dying, in Jinga, Uganda. Prior to his death, the man reportedly vomited blood for nearly ten minutes before collapsing, prompting the residents to alert the police authorities. The body, with blood coming from the eyes, mouth, nose, and ears, was left in the open for fear of spreading a suspected contagious disease. The authorities cordoned off the scene and prevented dozens of residents, along with family members who had converged in the area, from getting in contact with the deceased. The cause of death has not been reported yet.

[Read More](#)

Avg. Rating	2.3
No. of Signal	1
No. of Ratings	3

CONTINUED EVENTS: (events rated ≥ 2.4)

Foot and Mouth Disease in Eurasia

No. of Signals: 01

No. of weeks in report: 02

Avg. Rating: 4.3

- In 2023, FMD serotype SAT-2 outbreaks were registered in Türkiye, Jordan, and Iraq; [Russia](#) has released 3.5 million doses of vaccine containing a new strain of FMD virus type SAT-2; a delegation of representatives from Iran paid an official visit to Russia to negotiate joint cooperation and the supply of veterinary drugs to Iran

Highly Pathogenic Avian Influenza in North America

No. of Signals: 05

No. of weeks in report: 67

Avg. Rating: 1.6 – 3.0

- Over the last week, [Canada](#) has reported outbreaks of HPAI H5N1 in commercial poultry in: British Columbia(1) and Quebec(1)
- Over the last week, the [USDA](#) has reported outbreaks of HPAI H5N1 in WOA non-poultry in: Colorado
- [Update](#) on the California Condor HPAI situation in Arizona – no additional deceased/distressed birds found since April 11

Lyme Disease (& other tick borne diseases) in the US

No. of Signals: 02

No. of weeks in report: 04

Avg. Rating: 2.0 – 2.8

- [Michigan](#) is reporting an increase in Lyme disease incidence in dogs, with one in six dogs testing positive for Lyme disease in Benzie County; out of 479 tests, 76 came back positive for Lyme disease, 48 were positive for anaplasmosis and 3 were positive for ehrlichiosis
- [Maine](#) is reporting an increase in tick-borne diseases in dogs; however this may be in part due to more sensitive testing (additional species included in test) as well as an increase in awareness leading to more screening

Highly Pathogenic Avian Influenza in South America

No. of Signals: 05

No. of weeks in report: 23

Avg. Rating: 1.3 – 2.8

- [PAHO](#) has warned that the outbreaks of HPAI across South America can affect the supply of chicken meat, increasing prices and impacting the diet of thousands of people
- [Argentina](#) has reported HPAI H5 in wild birds
- [Uruguay](#) has reported an outbreak of HPAI H5 in backyard poultry

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 10

No. of weeks in report: 123

Avg. Rating: 2.0 – 2.7

- The [Farne Islands](#), that make up one of the UK's most important bird sanctuaries, are to remain closed after new cases of AI were detected
- [Hungary](#), [Denmark](#), [France](#), [Wales](#), and [Norway](#) have reported outbreaks of HPAI in domestic poultry
- [Italy](#), [Hungary](#), and [Belgium](#) have reported HPAI H5N1 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

Highly Pathogenic Avian Influenza in Africa

No. of Signals: 02

No. of weeks in report: 44

Avg. Rating: 2.2 – 2.6

- [South Africa](#) has reported outbreaks of HPAI (strain to be determined) on two farms in the Paardeberg area, Western Cape affecting ~120 000 birds

Lumpy Skin Disease in Asia

No. of Signals: 02

No. of weeks in report: 14

Avg. Rating: 2.0 – 2.5

- LSD has resurfaced in Assam, [India](#), affecting ~40,000 cows in at least seven districts of the state
- In [Sri Lanka](#), LSD has spread further in the North Central province

Influenza A (H9N2) in China

No. of Signals: 01

No. of weeks in report: 45

Avg. Rating: 2.2

- The WHO has confirmed three new human cases on influenza A H9N2 in [China](#), all involving children living in or with connections to Hunan province

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 03

No. of weeks in report: 100

Avg. Rating: 2.0 – 2.2

- Japan has reported HPAI [H5N1](#) and [H5N8](#) in wild birds
- [Taiwan](#) has reported an outbreak of HPAI H5N1 in domestic poultry in Yunlin County

SCIENTIFIC FINDINGS & REPORTS:

African Swine Fever

- ◆ Viability of African Swine Fever Virus with the Shallow Burial with Carbon Carcass Disposal Method [Read More](#)
- ◆ Characterization of a Novel African Swine Fever Virus p72 Genotype II from Nigeria [Read More](#)

Coronavirus

- ◆ SARS-CoV-2 Seroprevalence and Cross-Variant Antibody Neutralization in Cats, United Kingdom [Read More](#)

Influenza

- ◆ The Role of Airborne Particles in the Epidemiology of Clade 2.3.4.4b H5N1 High Pathogenicity Avian Influenza Virus in Commercial Poultry Production Units [Read More](#)
- ◆ Replication of Novel Zoonotic-Like Influenza A(H3N8) Virus in Ex Vivo Human Bronchus and Lung [Read More](#)
- ◆ Risk for Infection in Humans after Exposure to Birds Infected with Highly Pathogenic Avian Influenza A(H5N1) Virus, United States, 2022 [Read More](#)
- ◆ Mammalian ANP32A and ANP32B Proteins Drive Differential Polymerase Adaptations in Avian Influenza Virus [Read More](#)

Other

- ◆ Virus diversity, wildlife-domestic animal circulation and potential zoonotic viruses of small mammals, pangolins and zoo animals [Read More](#)
- ◆ A Novel Dependoparvovirus Identified in Cloacal Swabs of Monk Parakeet (*Myiopsitta monachus*) from Urban Areas of Spain [Read More](#)
- ◆ Detection of Novel Poxvirus from Gray Seal (*Halichoerus grypus*), Germany [Read More](#)
- ◆ Network embedding unveils the hidden interactions in the mammalian virome [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.