

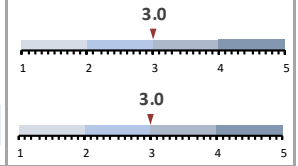
SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥3.0)

Highly Pathogenic Avian Influenza

- ◆ In **Ontario**, HPAI has been confirmed in dead waterfowl found in/around **Professor's Lake** and the **Duncan Valley Foster South** area of the city of **Brampton**
- ◆ In **Newfoundland**, HPAI is suspected as the cause of bird deaths in **Bowring Park, Quidi Vidi**, and **Virginia Lake** in **St. John's**

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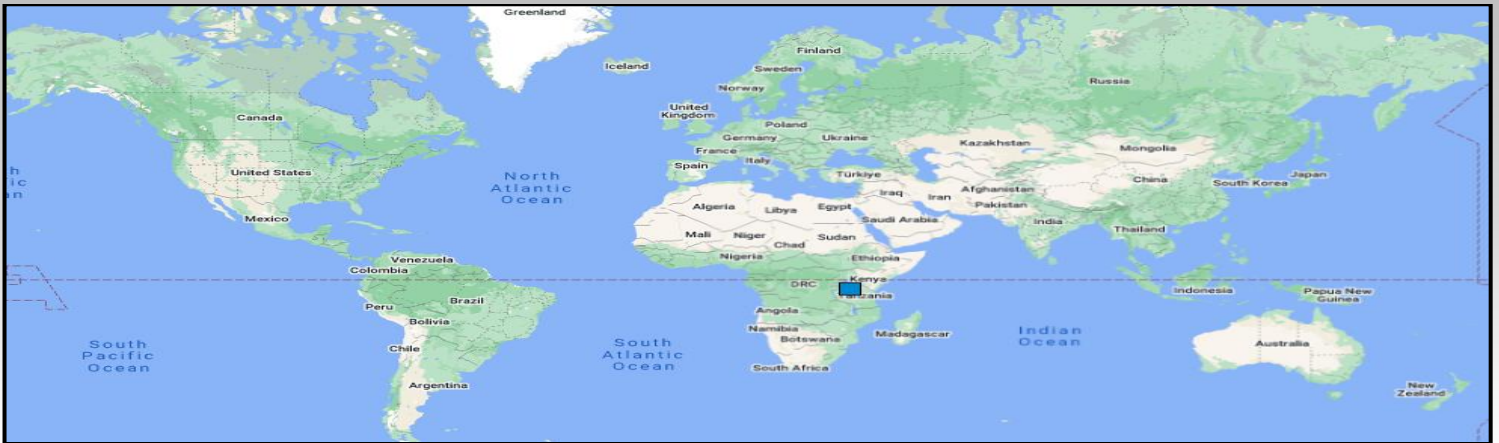
Marburg virus

- ◆ On 21 March 2023, **Tanzania** declared its first outbreak of Marburg virus disease in the country; a total of eight cases, including five deaths, have been reported from two villages in **Bukoba** district, two of these cases were healthcare workers, one of whom has died

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NEW EVENTS: (events rated > 2)



Marburg virus in Tanzania

Pathogen: virus; **Transmission:** direct contact, fomite; **Species affected in event:** human

① On 21 March 2023, the Ministry of Health of the United Republic of Tanzania declared an outbreak of Marburg virus disease in the country. As of 22 March, a total of eight cases, including five deaths (case fatality ratio [CFR]: 62.5%) have been reported from two villages in Bukoba district, Kagera region. Two of these cases were healthcare workers, one of whom has died. This is the first Marburg virus disease outbreak reported in the country.

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Avg. Rating	2.0 - 3.0
No. of Signal	4
No. of Ratings	4 - 6

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America **No. of Signals: 06** **No. of weeks in report: 62** **Avg. Rating: 2.0 – 3.0**

- Over the last week, [Canada](#) has not reported any outbreaks of HPAI
- In [Ontario](#), HPAI has been confirmed in the dead waterfowl found in/around Professor's Lake and the Duncan Valley Foster South area of the city of Brampton
- In [Newfoundland](#), HPAI is suspected as the cause of bird deaths in Bowring Park, Quidi Vidi, and Virginia Lake in St. John's
- Over the last week, the [USDA](#) has reported outbreaks of HPAI H5N1 in commercial poultry in: South Dakota; in WOAHP poultry in: New York and Michigan; in WOAHP non-poultry in: New York, Texas, Oregon, Kansas, and Colorado; and in a live bird market in Florida
- [Texas](#) has reported its first case of HPAI in mammals, in a striped skunk recovered from Carson County
- In [Mexico](#), sources close to farms in the Yucatan say that companies have disposed of the dead chickens in unsanitary and potentially dangerous ways (i.e. disposing heaps of dead birds in nearby woods)

Influenza A (H3N8) in China **No. of Signals: 01** **No. of weeks in report: 43** **Avg. Rating: 2.7**

- [China](#) has reported a human case of influenza A H3N8 virus in a 56-year-old female from Zhongshan City, Guangdong province; the woman had exposure to live poultry before the onset of the disease

Highly Pathogenic Avian Influenza in Europe **No. of Signals: 18** **No. of weeks in report: 118** **Avg. Rating: 2.0 – 2.7**

- [Germany](#) has reported HPAI in four foxes in Lower Saxony
- [Belgium](#), [Switzerland](#), [Poland](#), [Denmark](#), and [Sweden](#) have reported HPAI H5N1 in domestic poultry
- [Serbia](#), [Austria](#), [Switzerland](#), [Italy](#), [England](#), [Poland](#), and [Slovenia](#) have reported HPAI H5N1 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

Highly Pathogenic Avian Influenza in South America **No. of Signals: 06** **No. of weeks in report: 19** **Avg. Rating: 2.0 – 2.7**

- [Chile](#) has reported a new HPAI outbreak at an industrial facility in the Maule region in the southern part of the country
- [Argentina](#) has reported additional outbreaks of HPAI H5 in domestic poultry

Japanese Encephalitis in Australia **No. of Signals: 01** **No. of weeks in report: 14** **Avg. Rating: 2.6**

- In [Western Australia](#), two feral pigs from northern Kimberley, sampled in October 2022, displayed evidence of previous JEV infection; no active human or animal cases of JE have ever been reported in Western Australia

Porcine Reproductive and Respiratory Syndrome in the USA **No. of Signals: 02** **No. of weeks in report: 15** **Avg. Rating: 2.3 – 2.5**

- Swine Health Information Center reports that swine farms in the [eastern U.S. states](#) are now at imminent risk of contracting the PRRS Lineage 1C variant

Marburg virus in Equatorial Guinea **No. of Signals: 02** **No. of weeks in report: 02** **Avg. Rating: 2.3 – 2.5**

- The WHO has reported eight additional laboratory-confirmed cases of Marburg virus disease in [Equatorial Guinea](#) bringing the total to nine laboratory-confirmed cases and 20 probable cases; of the eight new confirmed cases, two were reported from the province of Kié-Ntem, four from the Littoral, and two from Centre-Sur provinces (suggesting wider transmission of the virus)

Highly Pathogenic Avian Influenza in Asia **No. of Signals: 03** **No. of weeks in report: 95** **Avg. Rating: 2.0**

- [Nepal](#) has reported HPAI H5N1 in domestic poultry
- [Indonesia](#) has reported HPAI in poultry in Sumedang

SCIENTIFIC FINDINGS & REPORTS:

Coronavirus

- ◆ Stability of SARS-CoV-2 in Biological Fluids of Animals [Read More](#)

Influenza

- ◆ Highly Pathogenic Avian Influenza A(H5N1) Virus in a Harbor Porpoise, Sweden [Read More](#)

Vectors and Vector Borne Diseases

- ◆ Molecular evidence of *Rickettsia rickettsii* and *Rickettsia felis* in ticks collected in cattle off the coast of Chiapas [Read More](#)

Other

- ◆ A One Health approach revealed the long-term role of *Mycobacterium caprae* as the hidden cause of human tuberculosis in a region of Spain, 2003 to 2022 [Read More](#)
- ◆ Newly detected, virulent *Toxoplasma gondii* COUG strain causing fatal steatitis and toxoplasmosis in southern sea otters (*Enhydra lutris nereis*) [Read More](#)
- ◆ Genetic characterization of four strains porcine circovirus-like viruses in pigs with diarrhea in Hunan Province of China [Read More](#)
- ◆ PRRS and Porcine Circovirus Shown to Disrupt Thyroid Hormone Levels [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.