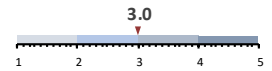


SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

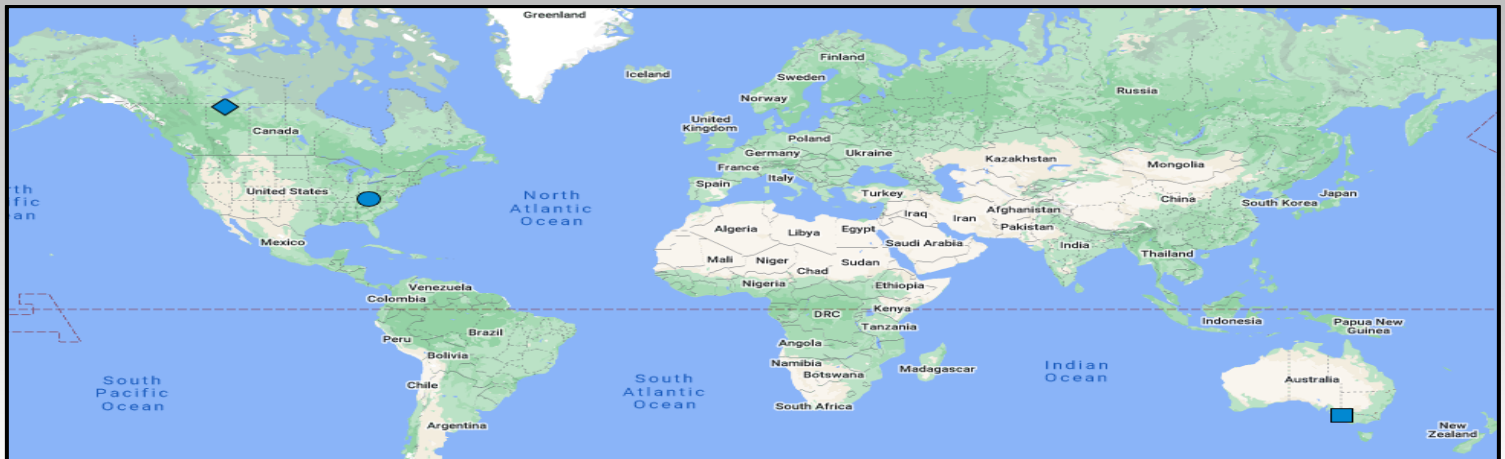
Foot and Mouth Disease & African Swine Fever

- ◆ Viral fragments of FMD and ASF have been detected in pork products at a **Melbourne** central business district retailer in **Australia**, and are believed to be imported from China; FMD fragments were also detected at the **Adelaide** Airport in an undeclared beef product brought in by a passenger from Indonesia

[Read More](#)



NEW EVENTS: (events rated > 2)



Foot and Mouth Disease Fragments in Australia

Pathogen: Viral fragments ; **Transmission:** N/A ; **Species affected in event:** N/A

① Viral fragments of FMD and ASF have been detected in pork products at a Melbourne retailer. The products, believed to be imported from China, were detected in the Melbourne central business district as part of routine surveillance and have been seized. It's the first time viral fragments have been detected in a retail setting.

[Read More](#)

Viral fragments of FMD have also been found in beef brought in by a passenger at Adelaide Airport from Indonesia. The only flights into Adelaide from Indonesia are from Bali, where there has been an outbreak of the disease, which affects cattle, goats, sheep and pigs. While it rarely affects humans, people can carry the virus for up to 24 hours and be a source of infection for animals.

[Read More](#)

Avg. Rating	2.7 - 3.0
No. of Signal	2
No. of Ratings	2 - 3

Suspected Anthrax in Wood Buffalo National Park, Northwest Territories

Pathogen: Bacteria ; **Transmission:** Direct contact, fomite, aerosol ; **Species affected in event:** Bison

① Parks Canada says 47 bison carcasses have so far been collected as an outbreak of anthrax continues inside Wood Buffalo National Park. Not all carcasses observed may necessarily be part of the outbreak. Parks Canada says two field-tested cases have been identified to date and none have been confirmed in a laboratory. Anthrax outbreaks have been reported previously in NWT, however, they don't happen every summer and are triggered by conditions similar to those experienced over the past couple of years (fluctuations in the water table followed by heat). The Wood Buffalo National Park has an outbreak of note every five to ten years.

[Read More](#)

Avg. Rating	2.5
No. of Signal	1
No. of Ratings	2

Salmonellosis in the USA

Pathogen: Bacteria ; **Transmission:** Direct contact, fomite ; **Species affected in event:** Human

① The CDC is investigating a multistate outbreak of *Salmonella* infections linked to small turtles purchased online. To date, fifteen people infected with the outbreak strain of *Salmonella* have been reported from 11 states. Five people have been hospitalized. No deaths have been reported. Many people in this outbreak are children.

[Read More](#)

Avg. Rating	2.0 - 2.1
No. of Signal	3
No. of Ratings	2 - 3

CONTINUED EVENTS: (events rated ≥ 2.4)

Porcine Circovirus in the USA

No. of Signals: 01

No. of weeks in report: 02

Avg. Rating: 2.7

- An increased detection of Porcine circovirus type 2 was identified in the [USA](#) in June, specifically in the wean to market population (in May the % positive rate was 36.7 percent and in June it went up to 50.9%)

Monkeypox worldwide

No. of Signals: 28

No. of weeks in report: 11

Avg. Rating: 2.0 – 2.7

- As of July 25 2022, the [CDC](#) is reporting 18 095 confirmed cases of monkeypox across 75 different countries
- [Canada](#) has reported 681 cases of monkeypox to date (48 cases in British Columbia, 12 in Alberta, 2 in Saskatchewan, 288 in Ontario, and 331 in Quebec)
- The [WHO](#) has announced that the multi-country monkeypox outbreak is now a global public health emergency
- In the [USA](#), two children have been diagnosed with monkeypox; one is a toddler in California and the other an infant (who is not a U.S. resident) that was tested while in Washington, D.C.

Foot and Mouth Disease in Indonesia

No. of Signals: 01

No. of weeks in report: 04

Avg. Rating: 2.5

- In [Indonesia](#), all provinces on Java Island and some provinces on Sumatra Island have been categorized as red zones for FMD; as many as 263 districts and cities in 22 Indonesian provinces have been affected by FMD

Highly Pathogenic Avian Influenza in North America

No. of Signals: 03

No. of weeks in report: 28

Avg. Rating: 2.0 - 2.5

- Over the last week, [Canada](#) has reported an outbreak of HPAI in commercial poultry in Quebec
- Over the last week, the [USDA](#) has reported outbreaks of HPAI H5N1 in commercial poultry (Utah) and backyard birds (Oregon, Washington, Florida)

Marburg Virus in Ghana

No. of Signals: 03

No. of weeks in report: 03

Avg. Rating: 2.0 - 2.5

- In [Ghana](#), one more person has died of the Marburg virus with 40 others quarantined in the Savannah Region; the person died on Thursday, July 21, and is said to be a relative of one of the two people who died from the virus in June

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 14

No. of weeks in report: 84

Avg. Rating: 2.0 – 2.3

- [Germany](#), [Poland](#), and [Hungary](#) have reported outbreaks of HPAI H5N1 in domestic poultry
- [Svalbard and Jan Mayen Islands](#) continue to report HPAI H5N1 in wild birds
- [Germany](#), the [UK](#), the [Netherlands](#), [Ireland](#), [France](#), [Sweden](#), [Finland](#), and [Poland](#) have reported cases of HPAI H5N1 in wild birds
- [Belgium](#) has reported cases of HPAI H5 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

SCIENTIFIC FINDINGS & REPORTS:

Influenza

- ◆ Influenza of avian origin in UK seal populations: qualitative assessment of the risk to the UK human population [Read More](#)

- ◆ Pathogenesis and Transmissibility of North American Highly Pathogenic Avian Influenza A(H5N1) Virus in Ferrets [Read More](#)

Vector and vector borne diseases

- ◆ Horizontal and Vertical Transmission of Powassan Virus by the Invasive Asian Longhorned Tick, *Haemaphysalis longicornis*, Under Laboratory Conditions [Read More](#)

Monkeypox

- ◆ Paediatric monkeypox patient with unknown source of infection, the Netherlands, June 2022 [Read More](#)

- ◆ Frequent detection of monkeypox virus DNA in saliva, semen, and other clinical samples from 12 patients, Barcelona, Spain, May to June 2022 [Read More](#)

SARS-CoV-2

- ◆ Multi-species outbreak of SARS-CoV-2 Delta variant in a zoological institution, with the detection in two new families of carnivores [Read More](#)

- ◆ Pre-print: Experimental infection of Mexican free-tailed bats (*Tadarida brasiliensis*) with SARS-CoV-2 [Read More](#)

Other

- ◆ Chapare Hemorrhagic Fever and Virus Detection in Rodents in Bolivia in 2019 [Read More](#)

- ◆ Understanding Sabiá virus infections (Brazilian mammarenavirus) [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.