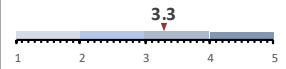


SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

Monkeypox

- ◆ A recent report from **France**, published in Lancet, has reported the first possible human-to-dog transmission of monkeypox; the dog had close contact (sleeping in the same bed) with his owners (who were infected with monkeypox) and developed mucocutaneous lesions and pustules - gene sequencing of the virus from one of the owners and dogs showed they had the same virus strain

[Read More](#)



Highly Pathogenic Avian Influenza

- ◆ HPAI has been confirmed in wild birds in the city of Sherbrooke, **Quebec**

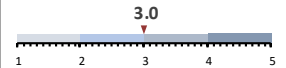
[Read More](#)



Theileriosis

- ◆ In **Kentucky**, *Theileria orientalis* Ikeda has caused the death of one beef breed bull in Hart County and another in Fleming County; the Asian longhorned tick is known to carry the disease and a passive surveillance system is being set up to identify the presence of the tick

[Read More](#)



NEW EVENTS: (events rated > 2)

No new events to report this week

CONTINUED EVENTS: (events rated ≥ 2.4)

Monkeypox worldwide

No. of Signals: 23

No. of weeks in report: 14

Avg. Rating: 1.5 – 3.3

- As of August 14 2022, the [CDC](#) is reporting 31,799 confirmed cases of monkeypox across 89 different countries
- [Canada](#) has reported 1059 cases of monkeypox to date (2 in the Yukon, 98 cases in British Columbia, 19 in Alberta, 3 in Saskatchewan, 511 in Ontario, and 426 in Quebec)
- [New Brunswick](#) has confirmed its first case of monkeypox in an individual with no recent travel outside of the province
- The US continues to report sporadic cases of monkeypox in children (most recently one in [Maine](#)) and in settings where children gather ([day-care](#), [high school](#), [camp](#), [children's hospital](#))

Theileriosis in the USA

No. of Signals: 01

No. of weeks in report: 02

Avg. Rating: 3.0

- In [Kentucky](#), *Theileria orientalis* Ikeda has caused the death of one beef breed bull in Hart County and another in Fleming County; the Asian longhorned tick is known to carry the disease and a passive surveillance system is being set up to identify the presence of the tick

Highly Pathogenic Avian Influenza in North America

No. of Signals: 03

No. of weeks in report: 31

Avg. Rating: 2.4 – 3.0

- HPAI has been confirmed in wild birds in the city of Sherbrooke, [Quebec](#)
- Over the last week, the [USDA](#) has reported outbreaks of HPAI H5N1 in backyard birds in California and Pennsylvania

Influenza A H3N2 in the USA

No. of Signals: 02

No. of weeks in report: 02

Avg. Rating: 2.7

- Two additional human infections with a novel influenza A H3N2 variant virus have been reported in [West Virginia](#); both patients are <18 years of age, were not hospitalized, have recovered from their illness, and attended the same agricultural fair as the first case reported last week – no person-to-person spread of this virus has been confirmed to date

West Nile Virus in Canada

No. of Signals: 02

No. of weeks in report: 04

Avg. Rating: 2.3 – 2.5

- In Ontario, [Toronto](#) has reported WNV in five pools of infected mosquitoes from Etobicoke, North York, and west Toronto; a batch of mosquitoes trapped in southeast [Oakville](#) has also tested positive for WNV

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 11

No. of weeks in report: 87

Avg. Rating: 2.0

- [France](#), [Belgium](#), [Moldova](#), [Spain](#), and [Russia](#) have reported outbreaks of HPAI H5N1 in domestic poultry
- [Germany](#) has reported an outbreak of HPAI H5N8 on a farm in Lower Saxony, ~110,000 chickens will be culled
- [France](#), [Sweden](#), [Ireland](#), and [Wales](#) have reported cases of HPAI in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)



WEEKLY INTELLIGENCE REPORT

August 8th – August 14th 2022

SCIENTIFIC FINDINGS & REPORTS:

Monkeypox

- ◆ Evidence of human-to-dog transmission of monkeypox virus [Read More](#)
- ◆ Environmental Persistence of Monkeypox Virus on Surfaces in Household of Person with Travel-Associated Infection, Dallas, Texas, USA, 2021 [Read More](#)
- ◆ Clinical presentation and virological assessment of confirmed human monkeypox virus cases in Spain: a prospective observational cohort study [Read More](#)
- ◆ Ophthalmic manifestation of monkeypox infection [Read More](#)

Coronavirus

- ◆ A strategy to assess spillover risk of bat SARS-related coronaviruses in Southeast Asia [Read More](#)

Other

- ◆ Experimental Infection of Peromyscus Species Rodents with Sin Nombre Virus [Read More](#)
- ◆ First detection of porcine circovirus type 2e in Europe [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.