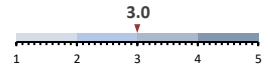


SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

Highly Pathogenic Avian Influenza

- Over the past week, **Canada** has reported four additional outbreaks of HPAI in: **British Columbia (2)** and **Manitoba (2)**

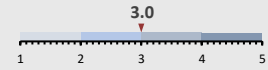
[Read More](#)



Rabbit Hemorrhagic Disease Virus 2

- Two cases of RHDV2 have been reported in pet rabbits from a household in **Lambton County, Ontario**; this is the first time RHDV2 has been reported in **Ontario**

[Read More](#)



NEW EVENTS: (events rated > 2)



Rabbit Hemorrhagic Disease Virus 2 in Ontario

Pathogen: Virus ; **Transmission:** Direct contact, fomite; **Species affected in event:** Rabbit

① On June 10, 2022, the CFIA reported two cases of RHDV2 in a household of domestic companion rabbits in Lambton County. Ongoing epidemiological work, including strain typing, is being performed. This virus is extremely contagious to domestic and wild rabbits and hares and may have a significant mortality rate. This is the first time RHDV2 has been reported in Ontario.

[Read More](#)

Avg. Rating	2.8 - 3.0
No. of Signal	3
No. of Ratings	4 - 5

Theileria orientalis Ikeda in Tennessee

Pathogen: Parasite ; **Transmission:** Vector borne; **Species affected in event:** Cattle

① *Theileria orientalis* Ikeda has been reported in a herd of cattle in Maury County, Tennessee. The affected herd showed signs of illness and lethargy, and despite veterinary attention and antibiotic treatments, some animals died. The presence of the Asian long-horned tick (ALHT) has not yet been confirmed in Maury County, however it is present in several other Tennessee counties. The Department of Agriculture is collecting tick and blood samples from cattle to help identify the presence of the ALHT and *Theileria orientalis* Ikeda in Tennessee.

[Read More](#)

Avg. Rating	2.4
No. of Signal	1
No. of Ratings	4

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America No. of Signals: 07 No. of weeks in report: 24 Avg. Rating: 2.0 – 3.0

- Over the last week, [Canada](#) has reported additional outbreaks of HPAI in: British Columbia (2) and Manitoba (2)
- In Canada, over 4,000 northern gannets have been found washed up on beaches in the [Gulf of St. Lawrence](#) since HPAI hit the species in May; more than 300 of those have been collected on P.E.I. shores
- [P.E.I.](#) has reported a preliminary positive HPAI detection in fox kit that was found in Augustine Cove
- Over the last week, the [USDA](#) has reported outbreaks of HPAI H5N1 in backyard birds in Washington and a petting zoo in Utah
- In the USA, [Washington](#) has confirmed a case of HPAI in a baby raccoon at Sacajawea Historical State Park in Pasco; this is the first case of HPAI confirmed in a raccoon in North America
- [Utah](#) has reported HPAI in 2 foxes, a red fox found dead in a homeowner's yard in Murray on 24 May 2022, and another red fox discovered dead 2 days later in a yard in Taylorsville

African Swine Fever in Europe No. of Signals: 09 No. of weeks in report: 135 Avg. Rating: 2.0 – 2.5

- The findings of ASF in a domestic pig farm in southwest [Germany](#), distant from the 3 infected German states in the northeast; this may be due to contaminated food, as there have been no reports of ASF in surrounding regional wild boar, and gene sequencing showed no similarities to virus subtypes found in Mecklenburg-Western Pomerania, Brandenburg, or Saxony
- [Italy](#), [Hungary](#), [Latvia](#), [Russia](#), and [Romania](#) have reported cases of ASF in wild boar
- [Ukraine](#) has reported outbreaks of ASF in domestic swine

Monkeypox worldwide No. of Signals: 31 No. of weeks in report: 06 Avg. Rating: 1.3 – 2.4

- As of June 17 2022, the [CDC](#) is reporting 2525 confirmed cases of monkeypox across 37 different countries, with 168 reported in Canada. (2 cases in British Columbia, 4 in Alberta, 21 in Ontario, and 141 in Quebec)
- The [WHO](#) is investigating whether reports from Germany and Italy (which showed a small number of patients had monkeypox DNA in semen samples) mean the disease could be transmitted through sexual intercourse

Highly Pathogenic Avian Influenza in Europe No. of Signals: 11 No. of weeks in report: 79 Avg. Rating: 2.0 – 2.3

- [Norway](#) has reported HPAI H5N5 in domestic poultry
- [Bulgaria](#) has reported HPAI H5 in domestic poultry
- The [Netherlands](#), [Germany](#), and [Hungary](#) have reported HPAI H5N1 in domestic poultry
- [Spain](#), [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 Asia No. of Signals: 02 No. of weeks in report: 65 Avg. Rating: 2.0

- [Vietnam](#) has reported HPAI H5N1 in a poultry farm in Quang Tri

SCIENTIFIC FINDINGS & REPORTS:

Influenza

- ◆ Natural Reassortment of Eurasian Avian-Like Swine H1N1 and Avian H9N2 Influenza Viruses in Pigs, China [Read More](#)
- ◆ Evidence for Water-Borne Transmission of Highly Pathogenic Avian Influenza H5N1 Viruses [Read More](#)

African Swine Fever

- ◆ Direct and indirect pathways for the spread of African swine fever and other porcine infectious diseases: An application of the mental models approach [Read More](#)

Vectors & Vector borne Diseases

- ◆ Combining host and vector data informs emergence and potential impact of an Usutu virus outbreak in UK wild birds [Read More](#)
- ◆ Domestic Dogs as Sentinels for West Nile Virus but not *Aedes*-borne Flaviviruses, Mexico [Read More](#)
- ◆ Susceptibility of *Aedes albopictus* and *Culex quinquefasciatus* to Japanese encephalitis virus [Read More](#)

Other

- ◆ Zoonotic Transmission of Diphtheria from Domestic Animal Reservoir, Spain [Read More](#)
- ◆ Notes from the Field: Diagnosis and Investigation of Pneumonic Plague During a Respiratory Disease Pandemic — Wyoming, 2021 [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.