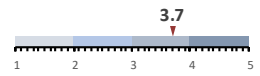


SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

Highly Pathogenic Avian Influenza

- ◆ The USDA has confirmed the presence of HPAI in **Michigan** (backyard birds) and **Delaware** (commercial poultry), additional cases in backyard and captive birds in **New York** and **Maine**, additional commercial poultry operations in **Indiana**, as well as wild bird findings in a new state (**Alabama**)

[Read More](#)



NEW EVENTS: (events rated > 2)

No new events to report this week

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America

No. of Signals: 21

No. of weeks in report: 08

Avg. Rating: 2.3 - 3.7

- The [USDA](#) has confirmed the presence of HPAI in Michigan (backyard birds) and Delaware (commercial poultry), additional cases in backyard and captive birds in New York and Maine, additional commercial poultry operations in Indiana, as well as wild bird findings in a new state (Alabama)

African Swine Fever in Asia

No. of Signals: 04

No. of weeks in report: 139

Avg. Rating: 2.0 – 2.8

- [Thailand](#) has reported an outbreak of ASF in domestic swine in Ranong
- In [South Korea](#), ASF cases have mostly been reported in the country's northern and eastern regions but recently have shown signs of spreading south
- [Cambodia](#) has reported an outbreak of ASF in domestic swine in Kampong Cham

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 11

No. of weeks in report: 63

Avg. Rating: 2.0 – 2.8

- The [Netherlands](#) have reported another outbreak of HPAI, this one on a commercial poultry farm where 77000 chickens will be culled
- [Portugal](#) has reported another outbreak of HPAI bringing the total to 15 (11 in domestic poultry, 4 in wild birds)
- [Macedonia](#) and [Germany](#) have reported cases of HPAI H5N1 in wild birds
- As of February 24, 2022, [France](#) has had 369 outbreaks of HPAI in livestock, 34 cases in wildlife, and 17 cases in backyards
- The [Welsh](#) government has confirmed the presence of HPAI on two separate commercial premises in Powys
- A summary of the overall HPAI situation in Europe is available [here](#)

Brucellosis in the USA

No. of Signals: 02

No. of weeks in report: 02

Avg. Rating: 2.5

- [Montana](#) has reported a case of brucellosis in an animal from a herd in Gallatin County; the ranch has been quarantined and the animal killed; this is Montana's second case of brucellosis for 2022

African Swine Fever in Europe

No. of Signals: 08

No. of weeks in report: 128

Avg. Rating: 2.0 – 2.5

- [Romania](#) and [Russia](#) have reported outbreaks of ASF in domestic swine
- [Italy](#), [Moldova](#), [Hungary](#), and [Latvia](#) have reported cases of ASF in wild boar

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 05

No. of weeks in report: 51

Avg. Rating: 2.0 – 2.5

- The [Philippines](#) have reported four outbreaks of HPAI H5N1, three in quail farms in Pampanga, and one in a duck farm in Bulacan
- [India](#) has reported an outbreak of HPAI H5N1 in domestic poultry in Bihar

Highly Pathogenic Avian Influenza in Africa

No. of Signals: 02

No. of weeks in report: 25

Avg. Rating: 2.0 – 2.3

- [Ghana](#) has reported outbreaks of HPAI in 12 regions of the country, with close to 800,00 birds affected

SCIENTIFIC FINDINGS & REPORTS:

SARS-CoV-2

- ◆ Pre-print: Highly divergent white-tailed deer SARS-CoV-2 with potential deer-to-human transmission [Read More](#)
- ◆ Pre-print: Evolutionary Trajectories of SARS-CoV-2 Alpha and Delta Variants in White-Tailed Deer in Pennsylvania [Read More](#)
- ◆ The Huanan market was the epicenter of SARS-CoV-2 emergence [Read More](#)

Vectors & Vector Borne Diseases

- ◆ Widespread Detection of Multiple Strains of Crimean-Congo Hemorrhagic Fever Virus in Ticks, Spain [Read More](#)
- ◆ Aedes mosquitoes in the emerging threat of urban yellow fever transmission [Read More](#)
- ◆ Lizards Are Important Hosts for Zoonotic Flavivirus Vectors, Subgenus *Culex*, in the Southern USA [Read More](#)
- ◆ Record Longevity and Reproduction of an African Tick, *Argas brumpti* (Ixodida: Argasidae) [Read More](#)
- ◆ Study finds ticks widespread in San Juan islands [Read More](#)

Rabies

- ◆ Whole Genome Sequencing and Phylogenetic Analysis of Rabies Viruses from Bats in Connecticut, USA, 2018–2019 [Read More](#)

Other

- ◆ The costs and benefits of primary prevention of zoonotic pandemics [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.