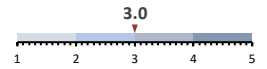


SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

Eastern Equine Encephalitis

◆ Three horses in Lambton County, **Ontario**, were confirmed on Oct. 9 as having contracted EEE

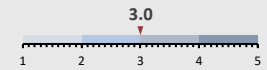
[Read More](#)



African Swine Fever

◆ In **Germany**, a total of 70 ASF infected wild boar has been reported to date; a herd of what appeared to be sick and dead wild boar has vanished suggesting that they may have instead been sleeping and it is unclear if they are infected with ASF

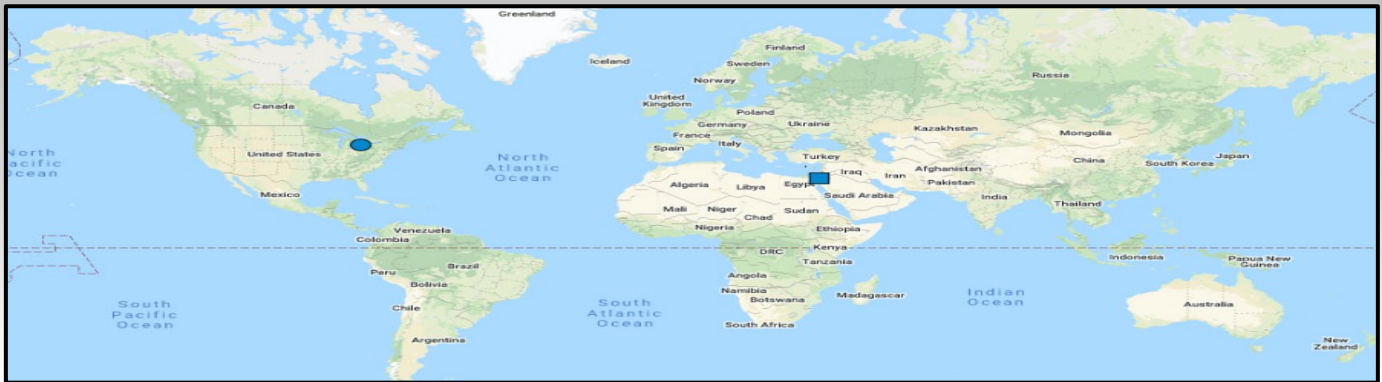
[Read More](#)



◆ **China** has confirmed the first reported outbreak of ASF since July 25 in piglets illegally transported to the southwestern city of Chongqing

[Read More](#)

NEW EVENTS: (events rated > 2)



Eastern Equine Encephalitis in Lambton County, Ontario

Pathogen: Virus; **Transmission:** Vector borne; **Species affected in event:** Equine

① Three horses in Lambton County, Ontario, were confirmed as having contracted EEE. OMAFRA reported that the three horses (two Quarter Horse geldings, 20 and 11 years old; and a yearling filly) began to display the signs of the disease on Sept. 22 and were confirmed as positive for encephalitis on Oct. 9. All three horses succumbed to the illness.

[Read More](#)

Avg. Rating	2.8 - 3.0
No. of Signal	2
No. of Ratings	4 - 7

Highly Pathogenic Avian Influenza H5N8 in Israel

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

① Several cases of HPAI H5N8 were reported from Israel last week. Initially, an outbreak of HPAI H5N8 was reported at a poultry farm with about 35,000 birds in Kibbutz Ma'anit. Then HPAI H5N8 was confirmed in black swans at the Jerusalem Biblical Zoo (5 dead birds were found). A third case of HPAI H5N8 was identified in a turkey farm at Revadim (Southern Israel) where ~19,000 birds will be culled. The fourth case occurred in a black swan at the National Park in Ramat Gan (Central Israel). The fifth outbreak was discovered in a broiler breeder farm at Ram On (Northern Israel), where 34,000 birds will be culled.

[Read More](#)

Avg. Rating	2.1 - 2.3
No. of Signal	6
No. of Ratings	5 - 7

CONTINUED EVENTS: (events rated \geq 2.4)

African Swine Fever in Europe

No. of Signals: 03

No. of weeks in report: 73

Avg. Rating: 2.3 - 3.0

- In [Germany](#), a total of 70 ASF infected wild boar have been reported; a herd of what appeared to be sick and dead wild boar has vanished suggesting that they may have instead been sleeping and it is unclear if they are infected with ASF
- [Poland](#) has confirmed ASF outbreak in domestic swine

African Swine Fever in Asia

No. of Signals: 03

No. of weeks in report: 83

Avg. Rating: 2.2 - 3.0

- [China](#) confirmed the first reported outbreak of ASF since July 25 in 70 piglets illegally transported to the southwestern city of Chongqing
- [Vietnam](#) has reported an outbreak of ASF in domestic swine
- [South Korea](#) has reported additional cases of ASF in wild boar

Epizootic Hemorrhagic Disease in the US

No. of Signals: 01

No. of weeks in report: 03

Avg. Rating: 2.7

- The [New York](#) State Department has received numerous reports of dead and sick deer this fall; tissue samples have been sent to the diagnostic center at Cornell University to confirm the presence of EHD

Rabies in Canada

No. of Signals: 01

No. of weeks in report: 05

Avg. Rating: 2.5

- Bats are the most frequent sufferers of rabies in [western Canada](#); with 17 cases reported in British Columbia so far this year, 4 in Alberta and 6 in Saskatchewan
- In Ontario, 37 rabid bats have been identified so far in 2020, along with 3 raccoons and 6 skunks

COVID-19 Worldwide (as of October 18, 2020)

No. of Signals: 38

No. of weeks in report: 37

Avg. Rating: 1.3 - 2.4

- Worldwide, there were 40,343,986 confirmed cases of [COVID-19](#) with 1,118,968 deaths reported
- In [Canada](#), the National Microbiology Laboratory has reported 198,148 cases of COVID-19 and 9760 deaths: British Columbia (11,189 confirmed, 251 deaths), Alberta (21,775 confirmed, 288 deaths), Saskatchewan (2330 confirmed, 25 deaths), Manitoba (3302 confirmed, 40 deaths), Ontario (64,371 confirmed, 3046 deaths), Quebec (93,391 confirmed, 6038 deaths), Newfoundland and Labrador (287 confirmed, 4 deaths), New Brunswick (310 confirmed, 3 deaths), Nova Scotia (1097 confirmed, 65 deaths), Prince Edward Island (63), Yukon (15), Northwest Territories (5), Nunavut (0), repatriated Canadians (13)
- In [Denmark](#), the total number of SARS-CoV-2 infected mink holdings has reached 89; veterinarians and farmers have begun culling 2.5 million mink

SCIENTIFIC FINDINGS/REPORTS:

- ◆ Swine acute diarrhea syndrome coronavirus replication in primary human cells reveals potential susceptibility to infection

[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.