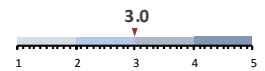


SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

Bovine Spongiform Encephalopathy

On December 17, 2021, the CFIA notified the OIE of a case of atypical BSE in a 8 and a half year old beef cow on a farm in **Alberta**; the detection of this atypical case is Canada's first case of BSE in more than six years

[Read More](#)



African Swine Fever

Malaysia has confirmed the first cases of ASF in wild boar in Bidor and Sungkai in Perak, and Jerantut in Pahang

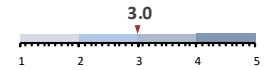
[Read More](#)



Influenza A H5N6

China is monitoring four additional human cases of avian influenza A(H5N6) in the Mainland (3 in Hunan, 1 Guangxi), all reported exposure to live poultry; from 2014 to date, 57 human cases of avian influenza A(H5N6) have been reported by Mainland health authorities

[Read More](#)



NEW EVENTS: (events rated > 2)



Atypical Bovine spongiform encephalopathy in Alberta

Pathogen: Prion ; **Transmission:** Atypical ; **Species affected in event:** Cow

On December 17, 2021, the CFIA notified the OIE of a case of atypical BSE in a 8 and a half year old beef cow on a farm in Alberta. This detection of atypical BSE is Canada's first case in more than six years.

[Read More](#)

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

Undiagnosed respiratory illness in Ohio

Pathogen: Unknown ; **Transmission:** Unknown ; **Species affected in event:** Human

Undiagnosed respiratory illnesses are popping up in the Miami Valley, Cleveland area, and a cross the northern tier of Ohio. Health experts say symptoms are similar to the flu, but patients aren't testing positive for influenza or COVID-19.

[Read More](#)

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

CONTINUED EVENTS: (events rated ≥ 2.4)

African Swine Fever in Asia

No. of Signals: 04

No. of weeks in report: 130

Avrg. Rating: 2.3 - 3.0

- [Malaysia](#) has confirmed the first cases of ASF in wild boar in Bidor and Sungkai in Perak, and Jerantut in Pahang
- [China's](#) Hebei province has confirmed a new ASF outbreak in pigs being transported from other provinces as the virus was found in two trucks, halted in the coastal city of Qinhuangdao

Influenza A (H5N6) in China

No. of Signals: 03

No. of weeks in report: 20

Avrg. Rating: 2.3 - 3.0

- [China](#) is monitoring four additional human cases of avian influenza A(H5N6) in the Mainland (3 in Hunan, 1 Guangxi), all reported exposure to live poultry; from 2014 to date, 57 human cases of avian influenza A(H5N6) have been reported by Mainland health authorities

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 20

No. of weeks in report: 54

Avrg. Rating: 2.0 - 2.5

- [Bulgaria](#) has reported an outbreak of HPAI in a commercial duck farm in the village of Malak Dol
- [Poland](#), [Hungary](#), [France](#), [Russia](#), [Germany](#), [Sweden](#), [Ireland](#), and [Italy](#) have reported outbreaks of HPAI H5N1 in domestic poultry
- [Ukraine](#) has reported HPAI H5 in backyard poultry in Kherson
- [France](#), [Greece](#), [Germany](#), and [Austria](#) have reported HPAI H5N1 in wild birds
- DEFRA has released an updated [Outbreak Assessment](#) for HPAI in the UK, and Europe
- 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: 43

Avrg. Rating: 2.0 - 2.5

- [Japan](#) has reported an outbreak of HPAI in Aomori, with 7,000 birds slated for extermination; Aomori is now the eighth Japanese prefecture with a confirmed bird flu outbreak this season
- [South Korea](#) has reported cases of HPAI H5N1 in wild birds

African Swine Fever in Europe

No. of Signals: 04

No. of weeks in report: 120

Avrg. Rating: 2.0 – 2.5

- [Germany](#) and [Latvia](#) have reported cases of ASF in wild boar
- [Romania](#) has reported outbreaks of ASF in domestic swine

SCIENTIFIC FINDINGS:

- ◆ Tick abundance and life-stage segregation on the American black bear (*Ursus americanus*) [Read More](#)
- ◆ Monoglyceride reduces viability of porcine epidemic diarrhoea virus in feed and prevents disease transmission to post-weaned piglets [Read More](#)
- ◆ Seasonal fishery facilitates a novel transmission pathway in an emerging animal reservoir of Guinea worm [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.