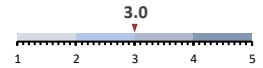


SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

Porcine Epidemic Diarrhea

- ◆ **Manitoba's** first case of PED for 2021 was confirmed on Oct. 25 in a sow barn near Blumenort in southeastern Manitoba, trace-back efforts have begun, but the origin of the infection is currently unknown

[Read More](#)



NEW EVENTS: (events rated > 2)



- **Epizootic Hemorrhagic Disease in Ontario deer**

Pathogen: Virus ; **Transmission:** Vector ; **Species affected in event:** Deer

① At the end of September, approximately 30 deer were found dead on Wolfe Island, 2 were collected for investigation. Additional reports from the Kingston area began to come in of other deer being found dead, and an additional adult buck was collected from Gananoque Lake. All three deer tested positive for EHD. These are not the first cases of EHD in Ontario as EHD was first reported in two white-tailed deer in London in 2017. [Read More](#)

Avg. Rating	2.7
No. of Signal	1
No. of Ratings	3

- **Brucellosis in dog and cat shelter in Wyoming, USA**

Pathogen: Bacteria ; **Transmission:** Direct contact, fomite ; **Species affected in event:** Canine

① The Sheridan Dog and Cat Shelter in Wyoming has confirmed the presence of canine brucellosis after a pregnant dog had a litter of stillbirths. Shelter staff are taking precautionary medications for the next few months and a protocol has been adopted at the shelter to test every dog brought into the shelter from areas that have a high risk of brucellosis (low-income areas where dogs may not receive a lot of veterinarian care). [Read More](#)

Avg. Rating	2.4
No. of Signal	1
No. of Ratings	5

CONTINUED EVENTS: (events rated ≥ 2.4)

<u>Porcine Epidemic Diarrhea in Canada</u> <ul style="list-style-type: none"> Manitoba has reported its first case of PED for 2021 in a sow barn near Blumenort, trace-back efforts have begun, but the origin of the infection is currently unknown 	No. of Signals: 01	No. of weeks in report: 05	Avg. Rating: 3.0
<u>Influenza A (H1N1 & H3N2) in the US</u> <ul style="list-style-type: none"> The CDC has reported 2 previous human infections with novel influenza A viruses; one infection with an H1N1 variant reported by North Dakota that occurred during the 2020-21 influenza season and one infection with H3N2 variant reported by Ohio that occurred during the current 2021-22 season 	No. of Signals: 01	No. of weeks in report: 09	Avg. Rating: 2.8
<u>African Swine Fever in Asia</u> <ul style="list-style-type: none"> Vietnam has reported an outbreak of ASF in domestic swine in Binh Thuan (Empres-i event 305546) 	No. of Signals: 01	No. of weeks in report: 127	Avg. Rating: 2.7
<u>Influenza A (H5N6 & H9N2) in China</u> <ul style="list-style-type: none"> China has reported another 2 human cases of H5N6 avian influenza, one in Hunan and the other in Guangdong; this brings the total number of cases reported in China since 2014 to 50, with 26 reported in the past year A jump in the number of people in China infected with bird flu this year is raising concern among experts, who say a previously circulating strain appears to have changed and may be more infectious to people 	No. of Signals: 06	No. of weeks in report: 16	Avg. Rating: 2.3 – 2.6
<u>Highly Pathogenic Avian Influenza in Europe</u> <ul style="list-style-type: none"> The Netherlands have reported an outbreak of HPAI H5N1 in domestic poultry; due to increasing finds of dead wild birds in northern parts of the Netherlands and of infected wild birds in Germany, a nationwide indoor housing order for commercially kept poultry is being implemented The UK has confirmed a case of H5N1 avian influenza at a wild bird rescue centre in Worcestershire The Czech Republic has reported an outbreak of LPAI H5N1 at a commercial poultry farm in Rohozna Germany has reported an outbreak of HPAI H5N1 at a goose farm in Schleswig-Holstein, and multiple cases in wild birds DEFRA has released its preliminary outbreak assessment of HPAI in the UK and Europe A summary of the overall HPAI situation in Europe is available here 	No. of Signals: 16	No. of weeks in report: 48	Avg. Rating: 2.0 – 2.6
<u>Babesiosis & Lyme disease in the US</u> <ul style="list-style-type: none"> Health authorities in Maine are warning residents of a second peak in tick activity in the state this fall; Maine CDC has recorded more than 1,000 cases of Lyme disease through Oct. 12 and a record high year for babesiosis as well 	No. of Signals: 01	No. of weeks in report: 02	Avg. Rating: 2.5
<u>Bluetongue virus in Canada</u> <ul style="list-style-type: none"> In British Columbia, after the initial dead bighorn sheep were found in Grand Fork this August, a rise in sheep mortalities was recorded near Vaseaux Lake and Okanagan Falls in late September and early October; the total number of South Okanagan bighorn sheep lost is not fully known at this time; majority of deaths were documented south of Penticton between Heritage Hills Estates and Osoyoos 	No. of Signals: 02	No. of weeks in report: 02	Avg. Rating: 2.2 - 2.4
<u>African Swine Fever in Europe</u> <ul style="list-style-type: none"> Russia's biggest pork producer, privately-held Miratorg, has reported another outbreak of ASF at a site in the Belgorod province Poland, Hungary, and Latvia have reported cases of ASF in wild boar 	No. of Signals: 05	No. of weeks in report: 113	Avg. Rating: 2.0 - 2.4
<u>Highly Pathogenic Avian Influenza in Asia</u> <ul style="list-style-type: none"> Israel has reported an outbreak of HPAI H5N1 in commercial turkeys in Maayan-Tziv 	No. of Signals: 02	No. of weeks in report: 36	Avg. Rating: 2.0 – 2.2

SCIENTIFIC FINDINGS:

- ◆ Scientists Identify Proteins in Bacteria Associated with Bovine Respiratory Disease: As Possible Intervention Against the Disease Read More
- ◆ Epidemiological and Genetic Characteristics of the H3 Subtype Avian Influenza Viruses in China 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.