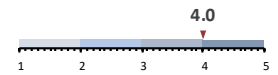


SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

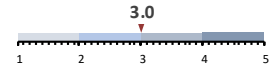
Highly Pathogenic Avian Influenza

- ◆ Over the past week, Canada has reported two outbreaks of HPAI in **Saskatchewan**, one in **British Columbia**, four in **Quebec**, an additional six outbreaks in **Alberta**, and an additional four in **Ontario**
- ◆ Over the past week, the USDA has reported outbreaks of HPAI in commercial poultry (**Wisconsin, Pennsylvania, Indiana, Minnesota, Kansas, South Dakota, Nebraska, North Carolina**) and in backyard birds (**Michigan, Utah, Wisconsin, North Dakota, Idaho, Minnesota, Michigan, Montana**)
- ◆ **Japan** has reported HPAI H5N1 in a raccoon dog in Sapporo, which is the same area where HPAI H5 was found in a dead fox and where crow mortalities were reported last week

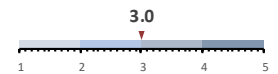
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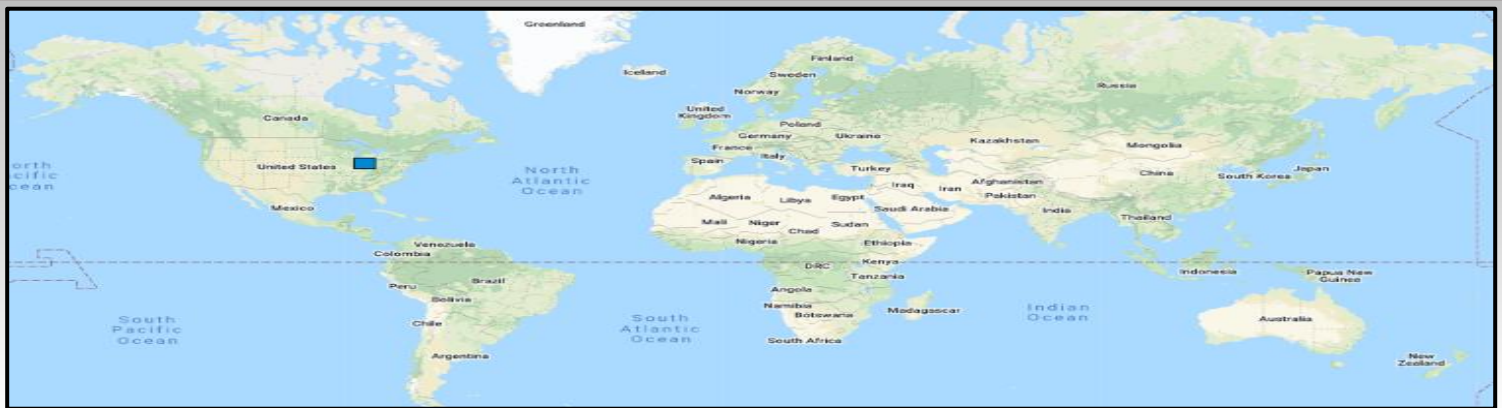
Porcine Epidemic Diarrhea & Porcine Deltacoronavirus

- ◆ An outbreak of PED has been reported in a finisher farm in Wellington county, **Ontario**
- ◆ An outbreak of PDCoV has been reported in a finisher farm in Halidmand county, **Ontario**

[Read More](#)



NEW EVENTS: (events rated > 2)



■ Egg drop syndrome in Indiana, USA

Pathogen: Virus ; **Transmission:** Vertically (by eggs), Orally ; **Species affected in event:** Avian

① About 20 farms in northern Indiana are reporting signs of a virus in their chickens called egg drop syndrome. What causes the egg drop syndrome virus in chickens isn't clear. It's not harmful to humans and it's not fatal to the chickens, but it does cause hens to lay eggs with extremely thin shells or no shell at all. So far, this virus has been seen only on farms in the northern part of the state. [Read More](#)

Avg. Rating	2.8
No. of Signal	1
No. of Ratings	20

CONTINUED EVENTS: (events rated ≥ 2.4)

<u>Highly Pathogenic Avian Influenza in North America</u>	<u>No. of Signals: 30</u>	<u>No. of weeks in report: 15</u>	<u>Avg. Rating: 1.8 – 4.0</u>
<ul style="list-style-type: none"> Over the last week, Canada has reported two outbreaks of HPAI in Saskatchewan, one in British Columbia, four in Quebec, an additional six outbreaks in Alberta, and an additional four in Ontario Over the last week, the USDA has reported outbreaks of HPAI in commercial poultry (Wisconsin, Pennsylvania, Indiana, Minnesota, Kansas, South Dakota, Nebraska, North Carolina) and in backyard birds (Michigan, Utah, Wisconsin, North Dakota, Idaho, Minnesota, Michigan, Montana) 			
<u>Porcine Epidemic Diarrhea & Porcine Deltacoronavirus in Canada</u>	<u>No. of Signals: 01</u>	<u>No. of weeks in report: 09</u>	<u>Avg. Rating: 3.0</u>
<ul style="list-style-type: none"> Ontario has reported an outbreak of PED n Wellington county and an outbreak of PDCoV in Haldimand county 			
<u>Highly Pathogenic Avian Influenza in Asia</u>	<u>No. of Signals: 04</u>	<u>No. of weeks in report: 57</u>	<u>Avg. Rating: 2.0 - 3.0</u>
<ul style="list-style-type: none"> Japan has reported HPAI H5N1 in a raccoon dog in Sapporo, which is the same area where HPAI H5 was found in a dead fox and where crow mortalities were reported last week; Japan has also reported HPAI H5N1 in poultry farms in Yokohama Nepal has reported an outbreak of HPAI H5N1 in domestic poultry in Chitwon 			
<u>Japanese Encephalitis in Australia</u>	<u>No. of Signals: 03</u>	<u>No. of weeks in report: 06</u>	<u>Avg. Rating: 2.5 – 2.8</u>
<ul style="list-style-type: none"> In Australia, there have been 36 human cases (24 confirmed, 12 suspected) of JEV and 3 deaths; the appearance of JEV in Australia is the latest example of how global warming is contributing to the spread of disease – the record flooding Australia experienced in February and March 2022 created conditions that enabled the virus to travel hundreds of miles south and west via mosquitoes biting water birds, horses, and pigs 			
<u>African Swine Fever in Asia</u>	<u>No. of Signals: 09</u>	<u>No. of weeks in report: 143</u>	<u>Avg. Rating: 2.0 – 2.5</u>
<ul style="list-style-type: none"> Vietnam, Thailand, Malaysia, and the Lao People’s Republic have reported outbreaks of ASF in domestic swine A summary update on the ASF situation in Asia & the Pacific has been released 			
<u>African Swine Fever in Europe</u>	<u>No. of Signals: 12</u>	<u>No. of weeks in report: 130</u>	<u>Avg. Rating: 2.0 – 2.5</u>
<ul style="list-style-type: none"> Romania and Russia have reported outbreaks of ASF in domestic swine Italy, Romania, Hungary, Russia, Germany, Latvia, and Macedonia have reported cases of ASF in wild boar 			
<u>Highly Pathogenic Avian Influenza in Europe</u>	<u>No. of Signals: 11</u>	<u>No. of weeks in report: 70</u>	<u>Avg. Rating: 2.0 – 2.5</u>
<ul style="list-style-type: none"> Hungary and Bulgaria have reported outbreaks of HPAI H5N1 in domestic poultry Norway has reported HPAI H5N5 in two white-tailed eagles England, Scotland, Poland, Germany, Belgium, Finland, and Lithuania have reported cases of HPAI H5N1 in wild birds A summary of the overall HPAI situation in Europe is available here 			
<u>Highly Pathogenic Avian Influenza in Africa</u>	<u>No. of Signals: 02</u>	<u>No. of weeks in report: 27</u>	<u>Avg. Rating: 2.0</u>
<ul style="list-style-type: none"> Mali has reported HPAI H5N1 in a poultry farm in Koulikoro South Africa has reported HPAI H5N1 in wild birds 			

SCIENTIFIC FINDINGS & REPORTS:

SARS-CoV-2

- ◆ NIFA-Funded Study Detects Omicron Variant in White-Tailed Deer on Staten Island [Read More](#)

Avian Influenza

- ◆ Role of wild birds in the spread of clade 2.3.4.4e H5N6 highly pathogenic avian influenza virus into South Korea and Japan [Read More](#)

Chronic Wasting Disease

- ◆ Examination of the interaction between age-specific predation and chronic disease in the Greater Yellowstone Ecosystem [Read More](#)

Japanese Encephalitis

- ◆ High-risk landscapes of Japanese encephalitis virus outbreaks in India converge on wetlands, rain-fed agriculture, wild Ardeidae, and domestic pigs and chickens [Read More](#)

Vectors & Vector borne disease

- ◆ A Zika virus mutation enhances transmission potential and confers escape from protective dengue virus immunity [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.