

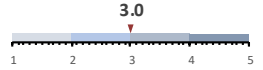
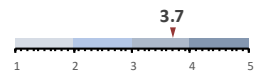
SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

Highly Pathogenic Avian Influenza

- ◆ The USDA has confirmed the presence of HPAI in backyard birds in **New York** and **Maine**, in additional commercial poultry operations in **Indiana** and **Kentucky**, as well as wild birds in **Georgia** and **Connecticut**
- ◆ In **Ireland**, HPAI H5N1 was detected in a barnacle goose and a red fox in **Benduff**

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African Swine Fever

- ◆ The **Dominican Republic**, which now has the capacity to conduct ASF testing within the country, has not reported any new outbreaks of ASF to the OIE since Dec 5 2021; however sources state that ASF continues to spread affecting both large and small farms

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NEW EVENTS: (events rated > 2)



Actinobacillus pleuropneumoniae (APP) serotype 15 in Iowa USA

Pathogen: Bacteria ; **Transmission:** Direct contact, other? ; **Species affected in event:** Swine

① In Iowa, an outbreak of APP 15 has displayed lateral transmission in systems that don't share sow herds. An investigation is currently underway to figure out the potential routes of spread. APP is typically transmitted by direct contact, but given how many sites and systems are affected and the fact these sites and systems are thought to be APP15 negative, it appears to be transmitting via some other mechanism. Rendering trucks, repair crews and packer trucks are all on the list of potential sources. Researchers are also comparing genetic sequences from this outbreak to historical isolates from across North America to help figure out where the strain came from.

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Avg. Rating	2.0 - 2.8
No. of Signal	2
No. of Ratings	4 - 5

CONTINUED EVENTS: (events rated ≥ 2.4)

<u>Highly Pathogenic Avian Influenza in North America</u>	<u>No. of Signals: 11</u>	<u>No. of weeks in report: 07</u>	<u>Avg. Rating: 2.3 – 3.7</u>
<ul style="list-style-type: none"> The USDA has confirmed the presence of HPAI in backyard birds in New York and Maine, in additional commercial poultry operations in Indiana and Kentucky, as well as wild birds in Georgia and Connecticut 			
<u>Highly Pathogenic Avian Influenza in Europe</u>	<u>No. of Signals: 06</u>	<u>No. of weeks in report: 62</u>	<u>Avg. Rating: 2.0 – 3.0</u>
<ul style="list-style-type: none"> Ireland has reported HPAI H5N1 in a barnacle goose and a red fox in Benduff Denmark has reported HPAI H5N8 in a harbour seal found dead on a beach in Southwest Funen in September 2021 Italy has reported another outbreak of HPAI H5N1 in domestic poultry Croatia and Romania have reported cases of HPAI H5N1 in wild birds A summary of the overall HPAI situation in Europe is available here 			
<u>African Swine Fever in the Caribbean</u>	<u>No. of Signals: 02</u>	<u>No. of weeks in report: 14</u>	<u>Avg. Rating: 3.0</u>
<ul style="list-style-type: none"> The Dominican Republic, which now has the capacity to conduct ASF testing within the country, has not reported any new outbreaks of ASF to the OIE since Dec 5 2021; however sources state that ASF continues to spread affecting both large and small farms 			
<u>African Swine Fever in Europe</u>	<u>No. of Signals: 08</u>	<u>No. of weeks in report: 127</u>	<u>Avg. Rating: 2.0 – 2.8</u>
<ul style="list-style-type: none"> Poland and Romania have reported outbreaks of ASF in domestic swine Germany, Hungary, Italy, Latvia, Moldova, and Romania have reported cases of ASF in wild boar 			
<u>African Swine Fever in Asia</u>	<u>No. of Signals: 03</u>	<u>No. of weeks in report: 138</u>	<u>Avg. Rating: 2.3 – 2.7</u>
<ul style="list-style-type: none"> Malaysia and Vietnam have reported outbreaks of ASF in domestic swine 			
<u>Highly Pathogenic Avian Influenza in Asia</u>	<u>No. of Signals: 03</u>	<u>No. of weeks in report: 50</u>	<u>Avg. Rating: 2.0 – 2.7</u>
<ul style="list-style-type: none"> India has reported an outbreak of HPAI H5N1 on a small poultry farm in Thane, Maharashtra South Korea has reported another outbreak of HPAI in domestic poultry, bringing the total number of cases to 33 this winter season Taiwan has reported another outbreak of HPAI H5N2 in domestic poultry 			
<u>Influenza A (H5N6 & H9N2) in China</u>	<u>No. of Signals: 01</u>	<u>No. of weeks in report: 24</u>	<u>Avg. Rating: 2.5</u>
<ul style="list-style-type: none"> China has reported two more human cases of influenza A (H5N6); the first case involves a 50-year-old man living in Guangxi, who had exposure to live poultry; the second involves a 35-year-old man living in Jiangsu Province, who had visited a live poultry market before onset From 2014 to date, 67 human cases of avian influenza A(H5N6) have been reported by Mainland health authorities 			
<u>Influenza A (H1N2) in the USA</u>	<u>No. of Signals: 01</u>	<u>No. of weeks in report: 11</u>	<u>Avg. Rating: 2.4</u>
<ul style="list-style-type: none"> The CDC has reported on a human infection with a novel influenza A (H1N2) variant virus in California in an adult ≥ 18 years of age; the patient was not hospitalized and had direct contact with swine prior to specimen collection This is the third human infection with novel influenza A virus that has occurred during the 2021-22 influenza season in the United States 			

SCIENTIFIC FINDINGS & REPORTS:

- ◆ The changing epidemiology of human monkeypox—A potential threat? A systematic review [Read More](#)
- ◆ Novel Hendra Virus Variant Detected by Senti nel Surveillance of Horses in Australia [Read More](#)
- ◆ First detection of *Hedgehog coronavirus 1* in Poland [Read More](#)
- ◆ The spatial–temporal relationship of blue-winged teal to domestic poultry: Movement state modelling of a highly mobile avian influenza host [Read More](#)
- ◆ Higher Viral Stability and Ethanol Resistance of Avian Influenza A(H5N1) Virus on Human Skin [Read More](#)
- ◆ Infections with highly pathogenic avian influenza A virus (HPAIV) H5N8 in harbor seals at the German North Sea coast, 2021 [Read More](#)
- ◆ Pre-print: Intercontinental movement of H5 2.3.4.4 Highly Pathogenic Avian Influenza A(H5N1) to the United States, 2021 [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.