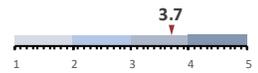


SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

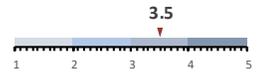
Highly Pathogenic Avian Influenza

- ◆ The USDA has reported outbreaks of HPAI in commercial poultry (**Iowa, Missouri, Maryland, South Dakota, Indiana**), in backyard birds (**Connecticut, Iowa, Missouri**), and wild bird findings in new states (**Massachusetts, Tennessee**)
- ◆ **Canada** has confirmed the presence of HPAI H5 in a bald eagle that had died in the metropolitan area of **Vancouver, British Columbia**, marking the first case of HPAI in the Pacific Flyway
- ◆ **Canada** has also confirmed the presence of HPAI H5N1 in a bald eagle found on **P.E.I.'s North Shore**

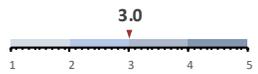
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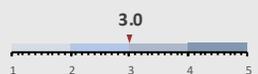
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Influenza A (H9N2 & H5N6)

- ◆ **China** has reported six additional human cases of avian influenza A(H9N2); five of which were in young children and four cases had an onset date of 2021
- ◆ **China** is also monitoring four human cases of avian influenza A(H5N6), all with onset dating January 2022; from 2014 to date, 71 human cases of influenza A(H5N6) have been reported by Mainland health authorities

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NEW EVENTS: (events rated > 2)



■ Lumpy skin disease in Indonesia

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

① For the first time, Indonesia has confirmed outbreaks of LSD. The 1st case was reported in Indragiri Hulu District on 7 Feb 2022, and since then 174 cases have been reported in 31 villages in 5 districts.

[Read More](#)

Avg. Rating	2.0 - 2.4
No. of Signal	2
No. of Ratings	2 - 3

● Lumpy skin disease in Pakistan

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

① Pakistan has also reported outbreaks of LSD for the first time, at farms in Sanghar, Jamshoro, Thatta, Sukkur, Mirpurkhas, Hyderabad, Khairpur and Karachi.

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Avg. Rating	2.0 - 2.3
No. of Signal	3
No. of Ratings	2 - 3

CONTINUED EVENTS: (events rated ≥ 2.4)

<u>Highly Pathogenic Avian Influenza in North America</u>	<u>No. of Signals: 16</u>	<u>No. of weeks in report: 09</u>	<u>Avrg. Rating: 2.5 - 3.7</u>
<ul style="list-style-type: none"> • The USDA has reported outbreaks of HPAI in commercial poultry (Iowa, Missouri, Maryland, South Dakota, Indiana), in backyard birds (Connecticut, Iowa, Missouri), and wild bird findings in new states (Massachusetts, Tennessee) • Canada has confirmed the presence of HPAI H5 in a bald eagle that had died in the metropolitan area of Vancouver, British Columbia, marking the first case of HPAI in the Pacific Flyway; as well as HPAI H5N1 in a bald eagle found on P.E.I.'s North Shore 			
<u>Influenza A (H9N2 & H5N6) in China</u>	<u>No. of Signals: 05</u>	<u>No. of weeks in report: 25</u>	<u>Avrg. Rating: 2.6 – 3.0</u>
<ul style="list-style-type: none"> • China has reported six additional human cases of avian influenza A(H9N2); five of which were in young children and four cases had an onset date of 2021 • China is also monitoring four human cases of avian influenza A(H5N6), all with onset dating January 2022; from 2014 to date, 71 human cases of influenza A(H5N6) have been reported by Mainland health authorities 			
<u>African Swine Fever in Asia</u>	<u>No. of Signals: 05</u>	<u>No. of weeks in report: 140</u>	<u>Avrg. Rating: 2.0 – 2.8</u>
<ul style="list-style-type: none"> • Vietnam, China, and Thailand have reported outbreaks of ASF in domestic swine • In Malaysia, ~4,452 pigs (backyard, wild, and commercial) throughout Sabah have been affected by ASF as of March 1 • In Hong Kong, after a number of wild pig deaths found in Stanley, samples taken from three wild pig carcasses have tested positive for ASF 			
<u>Porcine Deltacoronavirus in Canada</u>	<u>No. of Signals: 01</u>	<u>No. of weeks in report: 02</u>	<u>Avrg. Rating: 2.5</u>
<ul style="list-style-type: none"> • A nursery to finisher hog operation in Huron County, Ontario, has reported an outbreak of PDCoV, this is the first report of PDCoV in Ontario this year 			
<u>African Swine Fever in Europe</u>	<u>No. of Signals: 05</u>	<u>No. of weeks in report: 129</u>	<u>Avrg. Rating: 2.0 – 2.5</u>
<ul style="list-style-type: none"> • Romania and Russia have reported outbreaks of ASF in domestic swine • Romania, Hungary, and Latvia have reported cases of ASF in wild boar 			
<u>Highly Pathogenic Avian Influenza in Europe</u>	<u>No. of Signals: 14</u>	<u>No. of weeks in report: 64</u>	<u>Avrg. Rating: 2.0 – 2.5</u>
<ul style="list-style-type: none"> • Germany, Spain, the Netherlands, and the UK have reported outbreaks of HPAI H5N1 in domestic poultry • Poland has reported an outbreak of HPAI H5N2 in backyard birds in Rowne • Macedonia, Germany, Lithuania, Spain, the UK, and Belgium 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 Asia</u>	<u>No. of Signals: 03</u>	<u>No. of weeks in report: 52</u>	<u>Avrg. Rating: 2.0 – 2.5</u>
<ul style="list-style-type: none"> • The Philippines have reported an outbreak of HPAI H5N1 in domestic poultry in Central Luzon • Taiwan has reported an outbreak of HPAI H5N2 in commercial poultry • Nepal has reported HPAI H5N1 in wild crows 			

SCIENTIFIC FINDINGS & REPORTS:

SARS-CoV-2

- ◆ SARS-CoV-2 Delta Variant (AY.3) in the Feces of a Domestic Cat [Read More](#)

Avian Influenza

- ◆ Intra- and inter-host evolution of H9N2 influenza A virus in Japanese quail [Read More](#)
- ◆ Lessons learned from three avian influenza simulation exercises in the southwest of France [Read More](#)

Ebolavirus

- ◆ Pre-print: Characterization of Bombali Virus, a New Bat Filovirus [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.