

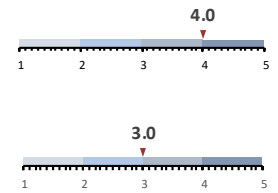
SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

Highly Pathogenic Avian Influenza

- Over the past week, Canada has reported an outbreak of HPAI in **Manitoba** poultry, and additional outbreaks in: **British Columbia** (1), **Saskatchewan** (3), **Quebec** (1), **Alberta** (6), and **Ontario** (2)
- Mexico** has reported HPAI H7N3 in two commercial poultry production buildings in **Coahuila**

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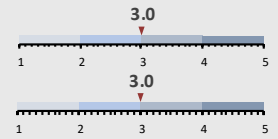


African Swine Fever

- Haiti** has reported additional outbreaks of ASF in domestic swine
- Bhutan** has reported an outbreak of ASF in a semi-commercial pig farm in the **Chhukha** district, near its border with India

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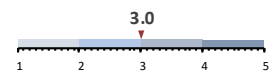
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Influenza A (H5N6)

- China** has reported an additional human case of avian influenza A(H5N6) in a 56-year-old male living in **Sichuan** Province, the 13th of 2022 and the 77th since 2014

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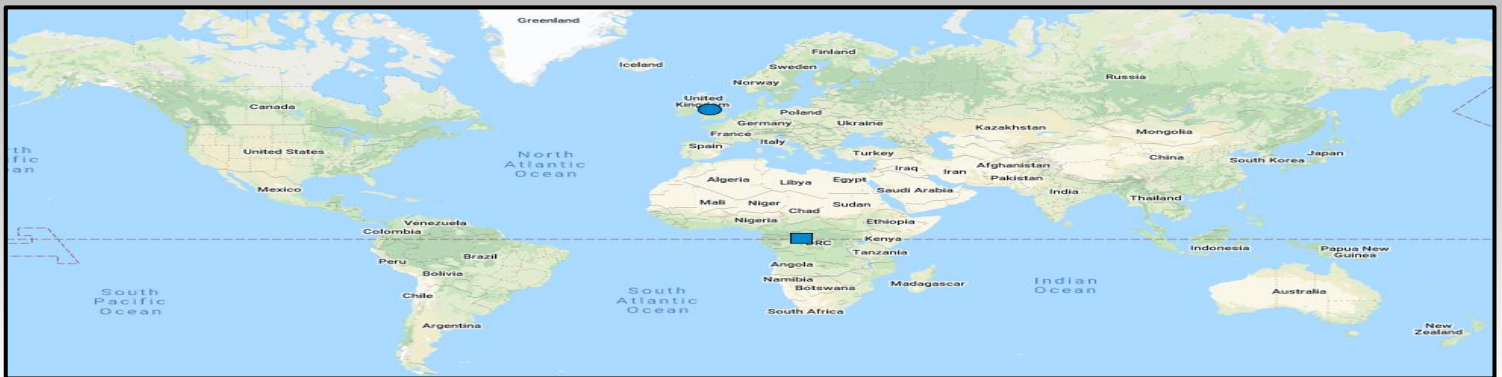
Japanese Encephalitis

- Australia** has reported 37 human cases (25 confirmed, 12 suspected) of JEV, the virus has affected more than 70 piggeries across four states; experts say JEV will impact Australian pork supply as infected piggeries experience production losses of up to 80%

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NEW EVENTS: (events rated > 2)



■ Ebola in the Democratic Republic of Congo

Pathogen: Virus ; **Transmission:** Direct contact, fomite ; **Species affected in event:** Human

① The DRC has declared an outbreak of Ebola after a case was confirmed in Mbandaka, a city in the north-western Equateur Province. This is the third outbreak in the province since 2018. Genetic testing showed the infection confirmed last week was a new "spillover event", a transmission from an infected animal, and not linked to the last outbreak, which was declared over in December.

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

● Hepatitis of Unknown Etiology

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

① Three weeks ago the UK raised an alarm over a large number of young children presenting to hospitals with acute hepatitis of unknown etiology. A few of the children were sick enough to require liver transplants. As of April 21, acute cases of hepatitis of unknown origin have been reported in the United Kingdom of Great Britain and Northern Ireland (the United Kingdom) (114), Spain (13), Israel (12), the United States of America (9), Denmark (6), Ireland (<5), The Netherlands (4), Italy (4), Norway (2), France (2), Romania (1), and Belgium (1). Information gathered through investigations suggests that the rise in severe cases of hepatitis may be linked to a adenovirus infection but other causes are still being actively investigated.

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Avg. Rating	2.0 - 2.4
No. of Signal	9
No. of Ratings	2 - 21

CONTINUED EVENTS: (events rated ≥ 2.4)

<u>Highly Pathogenic Avian Influenza in North America</u>	<u>No. of Signals: 12</u>	<u>No. of weeks in report: 16</u>	<u>Avg. Rating: 2.0 – 4.0</u>
<ul style="list-style-type: none"> Over the last week, Canada has reported an outbreak of HPAI in Manitoba poultry, and additional outbreaks in: British Columbia (1), Saskatchewan (3), Quebec (1), Alberta (6), and Ontario (2) Over the last week, the USDA has reported outbreaks of HPAI H5N1 in commercial poultry (Minnesota, Utah, Pennsylvania, Iowa, North Dakota, Indiana, Colorado), in backyard birds (Michigan, Wisconsin, North Dakota, Idaho, Montana, Colorado), and wild birds (New Hampshire, Wisconsin, Vermont, Minnesota, North Dakota) Mexico has reported HPAI H7N3 in two commercial poultry production buildings in Coahuila 			
<u>Influenza A (H5N6) in China</u>	<u>No. of Signals: 02</u>	<u>No. of weeks in report: 29</u>	<u>Avg. Rating: 3.0</u>
<ul style="list-style-type: none"> China has reported an additional human case of avian influenza A(H5N6) in a 56-year-old male living in Sichuan Province, the 13th of 2022; from 2014 to date, 77 human cases of influenza A(H5N6) have been reported by Mainland health authorities 			
<u>African Swine Fever in the Caribbean</u>	<u>No. of Signals: 01</u>	<u>No. of weeks in report: 15</u>	<u>Avg. Rating: 3.0</u>
<ul style="list-style-type: none"> Haiti has reported additional outbreaks of ASF in domestic swine 			
<u>Japanese Encephalitis in Australia</u>	<u>No. of Signals: 03</u>	<u>No. of weeks in report: 07</u>	<u>Avg. Rating: 3.0</u>
<ul style="list-style-type: none"> In Australia, there have been 37 human cases (25 confirmed, 12 suspected) of JEV and 3 deaths, the virus has affected more than 70 piggeries across four states; experts say JEV will impact Australian pork supply as infected piggeries experience production losses of up to 80%. 			
<u>African Swine Fever in Asia</u>	<u>No. of Signals: 05</u>	<u>No. of weeks in report: 144</u>	<u>Avg. Rating: 2.0 – 3.0</u>
<ul style="list-style-type: none"> Bhutan has reported an outbreak of ASF in a semi-commercial pig farm in the Chhukha district, near its border with India India has reported outbreaks of ASF in Mizoram and Tripura Thailand has reported ASF in domestic swine in Trang 			
<u>Highly Pathogenic Avian Influenza in Europe</u>	<u>No. of Signals: 12</u>	<u>No. of weeks in report: 71</u>	<u>Avg. Rating: 2.0 – 2.5</u>
<ul style="list-style-type: none"> Bulgaria, the Netherlands, Hungary, UK, and the Czech Republic have reported outbreaks of HPAI H5N1 in domestic poultry Montenegro, Germany, and Belgium have reported cases of HPAI H5N1 in wild birds Bulgaria has reported cases of HPAI (not typed) in wild birds Denmark has reported one case of HPAI in a harbour seal from 2021 A summary of the overall HPAI situation in Europe is available here 			
<u>Highly Pathogenic Avian Influenza in Asia</u>	<u>No. of Signals: 04</u>	<u>No. of weeks in report: 58</u>	<u>Avg. Rating: 2.0 – 2.5</u>
<ul style="list-style-type: none"> In Japan, HPAI has been reported in an emu farm in Hokkaido Taiwan has reported HPAI H5N2 in domestic turkeys India has reported HPAI H5N1 in domestic poultry in Bihar 			
<u>Classical Swine Fever in Japan</u>	<u>No. of Signals: 01</u>	<u>No. of weeks in report: 19</u>	<u>Avg. Rating: 2.5</u>
<ul style="list-style-type: none"> Japan has reported an outbreak of CSF in domestic swine 			
<u>Monkeypox in Africa</u>	<u>No. of Signals: 02</u>	<u>No. of weeks in report: 03</u>	<u>Avg. Rating: 2.5</u>
<ul style="list-style-type: none"> The DRC has tallied 1,088 case of monkeypox (52 fatalities) during the first three months of 2022, comparable to the number of cases reported during the same period in 2021 (1,126) 			

SCIENTIFIC FINDINGS & REPORTS:

Angiostrongylus cantonensis

- ◆ [Angiostrongylus cantonensis](#) in a Red Ruffed Lemur at a Zoo, Louisiana, USA [Read More](#)

Clostridium difficile

- ◆ Study finds superbug *C. difficile* can jump between pigs and humans, providing evidence of zoonotic spread [Read More](#)

Avian Influenza

- ◆ Intercontinental Movement of Highly Pathogenic Avian Influenza A(H5N1) Clade 2.3.4.4 Virus to the United States, 2021 [Read More](#)

Lumpy Skin Disease

- ◆ Molecular Characterization and Phylogenetic Analysis of Lumpy Skin Disease Virus Collected from Outbreaks in Northern Thailand in 2021 [Read More](#)

Vectors & Vector borne disease

- ◆ Usutu Virus Africa 3 Lineage, Luxembourg, 2020 [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.