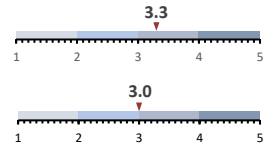


SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

Monkeypox

- As of 26 May, a cumulative total of 257 laboratory confirmed cases and around 120 suspected cases, from 23 member states that are not endemic for monkeypox virus, have been reported to WHO, no deaths have been reported
- Finland**, the **United Arab Emirates** (female traveller), and **Mexico** have all reported their first cases of monkeypox

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Highly Pathogenic Avian Influenza

- Alberta** has confirmed HPAI in 5 skunks in the Vegreville-Wainwright-Lloydminster area
- Over the past week, **Canada** has reported additional outbreaks of HPAI in: **British Columbia** (1) and **Saskatchewan** (1)
- Over the last week, the USDA has reported outbreaks of HPAI H5N1 in commercial poultry (**Pennsylvania**) and backyard birds (**Washington, Idaho, Wisconsin**)

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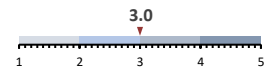
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African Swine Fever

- ASF has been reported on a small outdoor pig farm in the state **Baden-Württemberg**, in the south of **Germany**, close to the border of **France**

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Influenza A (H3N8)

- China** has retrospectively reported another case of influenza A (H3N8), in a 5-year-old boy from **Changsa City** who developed symptoms on May 9

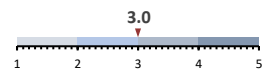
[Read More](#)



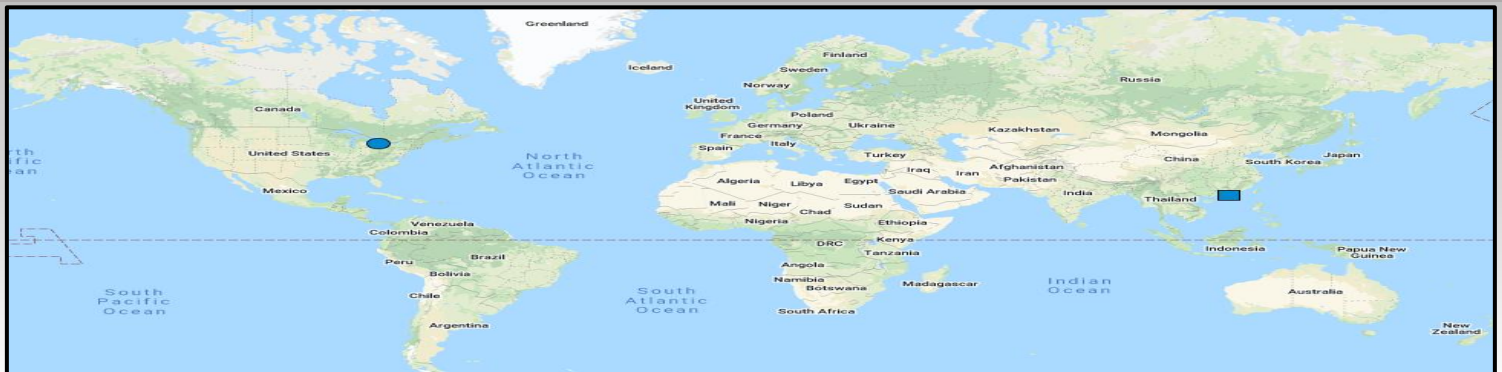
Alpha-gal syndrome

- Lone star ticks, which can cause a rare allergy to red meat called alpha-gal syndrome, are expanding into **Canada** as temperatures rise; there have been two reports of alpha-gal syndrome in **Canada** in recent years

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NEW EVENTS: (events rated > 2)



Lone star tick causing red meat allergy in Canada

Pathogen: N/A ; **Transmission:** Vector ; **Species affected in event:** Human

Lone star ticks, which can cause a rare allergy to red meat called alpha-gal syndrome, are expanding into Canada as temperatures rise. So far, there have only been two reports of cases of alpha-gal syndrome in Canada: a woman from Windsor and a man from Eastern Ontario. The location of the tick bites that led to the two cases is unknown and could have occurred during travel to the US. Data from etick.ca shows the number of lone star ticks reported in Canada is roughly ten each year, with seven lone star ticks reported in the country this year, mostly in Ontario and one in Nova Scotia. These numbers may increase, as migration patterns of ticks are changing due to warmer temperatures, deforestation and the building of highways.

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Avg. Rating	3.0
No. of Signal	1
No. of Ratings	3

Human Rat Hepatitis E in Hong Kong

Pathogen: Virus ; **Transmission:** Unknown, direct contact; **Species affected in event:** Human

Hong Kong has reported a case of human infection of rat Hepatitis E virus (HEV). The patient is a 55-year-old man with underlying illnesses from Tai Po. He did not have contact with rodents or rats, and had no travel history during the incubation period. Based on the available epidemiological information, the source and the route of infection could not be determined and the investigation is ongoing. The exact mode of transmission of rat HEV to humans is unknown at the moment.

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

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America	No. of Signals: 07	No. of weeks in report: 21	Avg. Rating: 2.0 – 3.3
<ul style="list-style-type: none"> Over the last week, Canada has reported additional outbreaks of HPAI in: British Columbia (1) and Saskatchewan (1) In Canada, Alberta has confirmed HPAI in 5 skunks in the Vegreville-Wainwright-Lloydminster area; all five had the same symptoms: blindness, seizures, and cloudy eyes Over the last week, the USDA has reported outbreaks of HPAI H5N1 in commercial poultry (Pennsylvania) and backyard birds (Washington, Idaho, Wisconsin) 			
Monkeypox Worldwide	No. of Signals: 52	No. of weeks in report: 03	Avg. Rating: 1.7 – 3.3
<ul style="list-style-type: none"> As of 26 May, a cumulative total of 257 laboratory confirmed cases and around 120 suspected cases, from 23 member states that are not endemic for monkeypox virus, have been reported to WHO, no deaths have been reported Finland, the United Arab Emirates (female traveller), and Mexico have all reported their first cases of monkeypox In Canada, monkeypox has been confirmed in one Toronto resident, with four suspected cases undergoing testing; Quebec has reported a total of 25 confirmed cases of monkeypox and will begin administering the Imvamune vaccine to close contacts of confirmed or suspected cases 			
Influenza A (H3N8) in China	No. of Signals: 03	No. of weeks in report: 31	Avg. Rating: 2.7 – 3.0
<ul style="list-style-type: none"> China has retrospectively reported another case of influenza A (H3N8), in a 5-year-old boy from Changsa City who developed symptoms on May 9 			
African Swine Fever in Europe	No. of Signals: 06	No. of weeks in report: 133	Avg. Rating: 2.0 – 3.0
<ul style="list-style-type: none"> ASF has been reported on a small outdoor pig farm in the state Baden-Württemberg, in the south of Germany, close to the border of France Moldova and Romania have reported outbreaks of ASF in domestic swine Romania, Hungary, and Latvia have reported cases of ASF in wild boar 			
African Swine Fever in Asia	No. of Signals: 05	No. of weeks in report: 145	Avg. Rating: 2.0 – 2.7
<ul style="list-style-type: none"> South Korea has reported an outbreak of ASF in a farm containing ~1500 animals in Hongcheon, as well as additional cases in wild boar The Philippines, India, and Thailand have reported outbreaks of ASF in domestic swine 			
Chronic Wasting Disease in Canada	No. of Signals: 01	No. of weeks in report: 05	Avg. Rating: 2.4
<ul style="list-style-type: none"> In Saskatchewan, CWD has now been found in 59 of the province's 83 wildlife management zones; in the South Saskatchewan River Valley, the province estimates roughly 87%(±9%) of male mule deer are infected along with 34% (±14%) of female deer 			
Highly Pathogenic Avian Influenza in Europe	No. of Signals: 09	No. of weeks in report: 76	Avg. Rating: 2.0
<ul style="list-style-type: none"> France, Hungary, and Slovakia have reported HPAI H5N1 in domestic poultry Finland, France, and Ireland have reported cases of HPAI H5N1 in wild birds A summary of the overall HPAI situation in Europe is available here 			

SCIENTIFIC FINDINGS & REPORTS:

Influenza

- ◆ Adaptation of the H7N2 Feline Influenza Virus to Human Respiratory Cell Culture [Read More](#)
- ◆ Genetically Diverse Highly Pathogenic Avian Influenza A(H5N1/H5N8) Viruses among Wild Waterfowl and Domestic Poultry, Japan, 2021 [Read More](#)

Monkeypox

- ◆ Clinical features and management of human monkeypox: a retrospective observational study in the UK [Read More](#)

Other

- ◆ Network embedding unveils the hidden interactions in the mammalian virome [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.