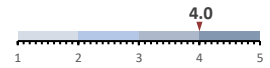


## SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

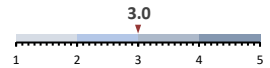
### Monkeypox

- ◆ In **Canada**, **Quebec** has confirmed five cases of monkeypox and is investigating about two dozen more; **Ontario** is also investigating a suspected case of monkeypox in **Toronto**
- ◆ Numerous countries have been reporting cases of monkeypox in the last week, including: the **USA**, the **UK**, the **Netherlands**, **Portugal**, **Spain**, **Italy**, **Belgium**, **Australia**, **Germany**, **France**, **Slovenia**, **Sweden**, **Czech Republic**, **Denmark**, **Austria**, **Israel**, **Switzerland**, **Argentina**, **Greece** (suspected), and **Morocco** (suspected)
- ◆ The majority of cases have been in men who have sex with men and some have been linked to a fetish festival in **Belgium** and an adult sauna in **Spain**

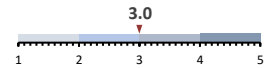
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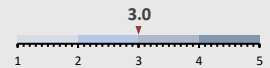
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### Highly Pathogenic Avian Influenza

- ◆ Over the past week, **Canada** has reported additional outbreaks of HPAI in: **British Columbia** (4), **Alberta** (1), and **Ontario** (1)
- ◆ Over the last week, the USDA has reported outbreaks of HPAI H5N1 in commercial poultry (**Minnesota**, **Pennsylvania**) and backyard birds (**New Jersey**, **Illinois**, **Idaho**, **Minnesota**, **Wyoming**, **Indiana**, **South Dakota**, **North Dakota**, **Oregon**, **Utah**, **Washington**)

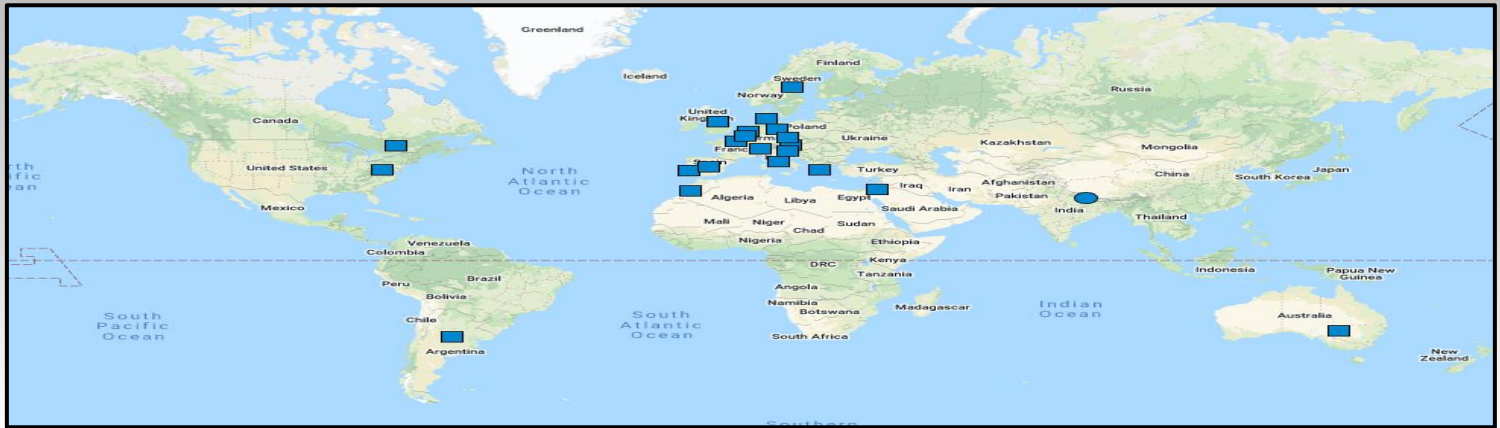
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## NEW EVENTS: (events rated > 2)



### Monkeypox worldwide

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

① Over the last two weeks, >160 cases of monkeypox have been reported from ~21 countries outside of Africa, including: Canada ([Quebec](#), [Ontario](#)), the USA ([New York](#), [Florida](#), [Utah](#), [Washington](#)), the [UK](#), the [Netherlands](#), [Portugal](#), [Spain](#), [Italy](#), [Belgium](#), [Australia](#), [Germany](#), [France](#), [Slovenia](#), [Sweden](#), [Czech Republic](#), [Denmark](#), [Austria](#), [Israel](#), [Switzerland](#), [Argentina](#), [Greece](#) (suspected), and [Morocco](#) (suspected). Many of the people who've gotten monkeypox in the current outbreak have no history of recent travel to Africa. Cases have largely been identified among young men who have sex with men, leading experts to believe that the disease is being spread through skin-to-skin contact, perhaps from exposure to rashes and lesions during sexual activity. Early reports on whole genome sequencing suggest that the outbreak is caused by the milder West African viral clade.

[Read More](#)

Avg. Rating	2.4 - 4.0
No. of Signal	60
No. of Ratings	2 - 26

### African Swine Fever in Nepal

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

① Nepal has reported its first cases of ASF. Six outbreaks of the virus were recorded among farm pigs in the region around Kathmandu, with 934 animals dying of the disease out of 1,364 infections.

[Read More](#)

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

## CONTINUED EVENTS: (events rated ≥ 2.4)

<b><u>Highly Pathogenic Avian Influenza in North America</u></b>	<b><u>No. of Signals: 13</u></b>	<b><u>No. of weeks in report: 20</u></b>	<b><u>Avg. Rating: 2.3 – 3.0</u></b>
<ul style="list-style-type: none"> <li>Over the last week, <a href="#">Canada</a> has reported additional outbreaks of HPAI in: British Columbia (4), Alberta (1), and Ontario (1)</li> <li>In Canada, <a href="#">Quebec</a> has reported HPAI H5N1 in a wild bird in Gaspésie</li> <li>Over the last week, the <a href="#">USDA</a> has reported outbreaks of HPAI H5N1 in commercial poultry (Minnesota, Pennsylvania) and backyard birds (New Jersey, Illinois, Idaho, Minnesota, Wyoming, Indiana, South Dakota, North Dakota, Oregon, Utah, Washington)</li> <li>In the USA, <a href="#">Iowa</a> has also reported findings of HPAI in wild fox kits</li> </ul>			
<b><u>Hepatitis of Unknown Etiology Worldwide</u></b>	<b><u>No. of Signals: 03</u></b>	<b><u>No. of weeks in report: 04</u></b>	<b><u>Avg. Rating: 2.0 – 2.7</u></b>
<ul style="list-style-type: none"> <li>The investigation into the cases of severe and unexplained hepatitis in children continues, with &gt;600 cases being reported from <a href="#">~30 countries</a></li> <li><a href="#">Canada</a> has confirmed 10 cases of acute severe hepatitis in children, including: three cases in Alberta, two in Manitoba, four in Ontario, and one in Quebec</li> </ul>			
<b><u>Highly Pathogenic Avian Influenza in Europe</u></b>	<b><u>No. of Signals: 09</u></b>	<b><u>No. of weeks in report: 75</u></b>	<b><u>Avg. Rating: 2.0 – 2.5</u></b>
<ul style="list-style-type: none"> <li>The <a href="#">Czech Republic</a>, <a href="#">Portugal</a>, and <a href="#">Hungary</a> have reported HPAI H5N1 in domestic poultry</li> <li>The <a href="#">Czech Republic</a>, <a href="#">Hungary</a>, and <a href="#">Germany</a> have reported HPAI H5N1 in wild birds</li> <li><a href="#">Norway</a> has reported HPAI H5N5 in wild birds</li> <li>HPAI may be responsible for dozens of dead birds at a Highland reserve in <a href="#">Scotland</a></li> <li>A summary of the overall HPAI situation in Europe is available <a href="#">here</a></li> </ul>			
<b><u>Japanese Encephalitis in Australia</u></b>	<b><u>No. of Signals: 01</u></b>	<b><u>No. of weeks in report: 10</u></b>	<b><u>Avg. Rating: 2.4</u></b>
<ul style="list-style-type: none"> <li>In Australia, there have been <a href="#">42 human cases</a> (29 confirmed, 13 suspected) of JEV and 4 deaths</li> </ul>			
<b><u>Influenza A (H5N6) in China</u></b>	<b><u>No. of Signals: 03</u></b>	<b><u>No. of weeks in report: 30</u></b>	<b><u>Avg. Rating: 2.0 – 2.4</u></b>
<ul style="list-style-type: none"> <li><a href="#">China</a> has reported an additional human case of avian influenza A(H5N6) in a 49-year-old male living in Baise City in Guangxi, the 13th of 2022; from 2014 to date, 78 human cases of influenza A(H5N6) have been reported by Mainland health authorities</li> </ul>			
<b><u>Highly Pathogenic Avian Influenza in Asia</u></b>	<b><u>No. of Signals: 04</u></b>	<b><u>No. of weeks in report: 62</u></b>	<b><u>Avg. Rating: 2.3</u></b>
<ul style="list-style-type: none"> <li><a href="#">Taiwan</a>, <a href="#">Nepal</a>, and <a href="#">Japan</a> have reported outbreaks of HPAI H5N1 in domestic poultry</li> <li><a href="#">Israel</a> has reported HPAI H5N8 in wild birds</li> </ul>			
<b><u>Highly Pathogenic Avian Influenza in Africa</u></b>	<b><u>No. of Signals: 04</u></b>	<b><u>No. of weeks in report: 29</u></b>	<b><u>Avg. Rating: 2.0 – 2.2</u></b>
<ul style="list-style-type: none"> <li><a href="#">Gabon</a> has reported its first outbreak of HPAI H5N1 in domestic poultry in Estuaire</li> <li><a href="#">South Africa</a> has reported an outbreak of HPAI H5N1 in domestic poultry in Gauteng</li> </ul>			

## SCIENTIFIC FINDINGS & REPORTS:

### Influenza

- ◆ HPAI H5N1 clade 2.3.4.4b [A/American wigeon/South Carolina/AH0195145/2021] added to CDC Influenza Risk Assessment Tool [Read More](#)

### Monkeypox

- ◆ First draft genome sequence of Monkeypox virus associated with the suspected multi-country outbreak, May 2022 (confirmed case in Portugal) [Read More](#)
- ◆ Monkeypox virus isolate MPXV\_USA\_2022\_MA001, complete genome [Read More](#)

### Other

- ◆ Genetic characterization of porcine sapoviruses identified from pigs during a diarrhoea outbreak in Iowa, 2019 [Read More](#)
- ◆ Swine Health Information Centre investigates canine parvovirus 2 potential risk to U.S. swine [Read More](#)
- ◆ Whole genome sequencing shows 2019 and 2021 Strep Zoo. outbreaks caused by different strains [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.