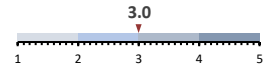


**SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)**

**Highly Pathogenic Avian Influenza**

◆ Svalbard has reported HPAI H5N5 in a polar gull found dead at the quay in Longyearbyen in June; this is the first detection of the virus in the Arctic

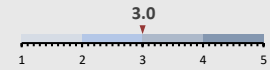
[Read More](#)



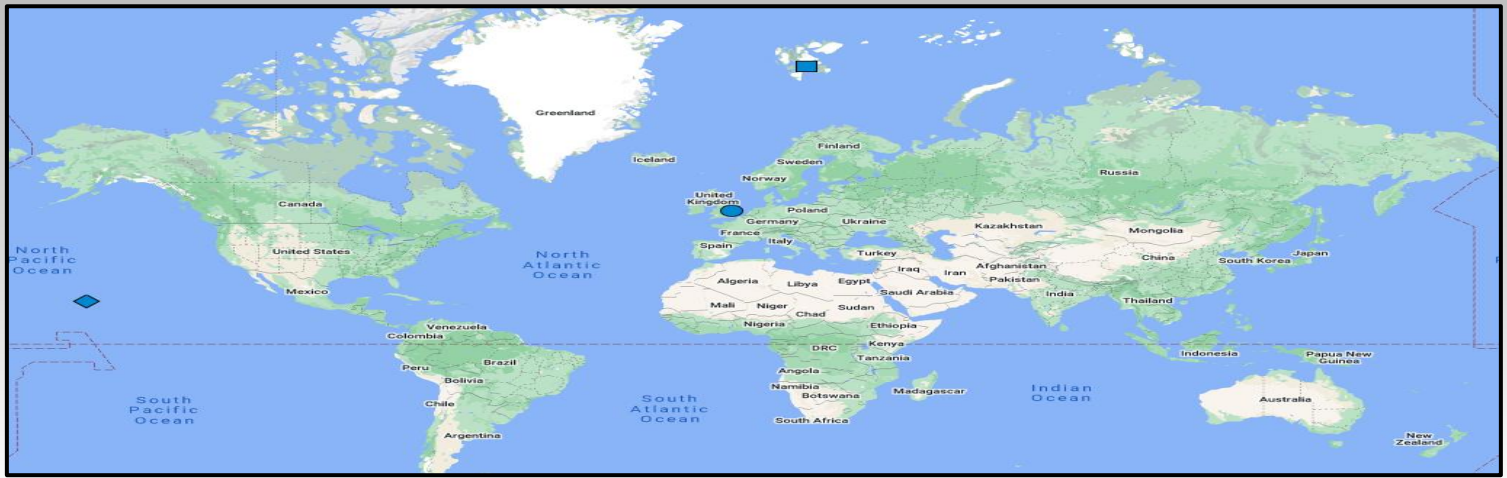
**Unknown Vesicular Disease**

◆ Having ruled out both foot-and-mouth disease and swine vesicular disease, the UK continues to investigate the cause of lesions in pigs at premises near Feltwell, Kings Lynn, and West Norfolk in Norfolk

[Read More](#)



**NEW EVENTS: (events rated > 2)**



■ **Highly Pathogenic Avian Influenza H5N5 in Svalbard**

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

① The Norwegian Veterinary Institute has detected HPAI H5N5 in a polar gull that was found dead at the quay in Longyearbyen in June. Bird flu has never been detected in Svalbard before, and as far as the Veterinary Institute is aware, this is the first detection of the virus in the Arctic. [Read More](#)

Avg. Rating	3.0
No. of Signal	1
No. of Ratings	4

● **Undiagnosed Vesicular Disease in Norfolk, UK**

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

① Following official testing at the UK national reference laboratory, the UK Chief Veterinary Officer has negated suspicion of foot-and-mouth disease and swine vesicular disease in pigs at a premises near Feltwell, Kings Lynn and West Norfolk, Norfolk. The Temporary Control Zone has been revoked, but the farm remains under restrictions as further tests are carried out to establish the cause of the infection. [Read More](#)

Avg. Rating	2.8 - 3.0
No. of Signal	2
No. of Ratings	4

◆ **Rabbit Hemorrhagic Disease Virus 2 in Hawaii**

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

① The USDA has confirmed the presence of RHDV-2 on a farm in Kula, Maui, the first confirmed detection of the disease in Hawaii. On June 14, the state's Animal Industry Division learned that 9 out of 12 rabbits had died on a Maui farm, prompting a hold order to prevent movement of rabbits and associated cages and materials from the farm. On June 17, state Department of Agriculture received confirmation of the infection and a formal quarantine order on the premises was issued. The duration of the quarantine is expected to be 120 days after cleaning and disinfection are completed at the farm. [Read More](#)

Avg. Rating	2.4
No. of Signal	1
No. of Ratings	5

## CONTINUED EVENTS: (events rated ≥ 2.4)

<b><u>Highly Pathogenic Avian Influenza in Asia</u></b> <ul style="list-style-type: none"> <li>• <a href="#">Israeli</a> scientists are expressing concern that this worldwide outbreak of HPAI will prove to be a turning point in the survival ability of certain avian species and in the biodiversity of the world's birds</li> <li>• <a href="#">Iraq</a> has reported HPAI H5N8 in domestic poultry</li> <li>• <a href="#">Japan</a> has reported HPAI H5N1 in wild birds</li> </ul>	<b>No. of Signals: 03</b>	<b>No. of weeks in report: 66</b>	<b>Avg. Rating: 2.0 – 2.8</b>
<b><u>Foot and Mouth Disease in Indonesia</u></b> <ul style="list-style-type: none"> <li>• <a href="#">Indonesia</a> has launched a nationwide livestock FMD vaccination programme, as the disease has been found in 19 of the country's 34 provinces, with the number of infected livestock growing quickly from 20 000 last month (May 2022) to 232 549 this week (June 2022)</li> </ul>	<b>No. of Signals: 03</b>	<b>No. of weeks in report: 02</b>	<b>Avg. Rating: 2.4 – 2.5</b>
<b><u>African Swine Fever in Europe</u></b> <ul style="list-style-type: none"> <li>• <a href="#">Italy</a> and <a href="#">Hungary</a> have reported cases of ASF in wild boar</li> <li>• <a href="#">Romania</a>, <a href="#">Moldova</a>, and <a href="#">Ukraine</a> have reported cases of ASF in domestic swine</li> </ul>	<b>No. of Signals: 05</b>	<b>No. of weeks in report: 136</b>	<b>Avg. Rating: 2.0 – 2.5</b>
<b><u>Japanese Encephalitis in Australia</u></b> <ul style="list-style-type: none"> <li>• As of June 22, <a href="#">Australia</a> has reported 40 human cases (30 confirmed, 10 probable) of JEV, with 5 deaths</li> <li>• JEV has also been found for the first time in a small number of feral pigs in the <a href="#">Skardon River area</a>, in north Queensland</li> </ul>	<b>No. of Signals: 01</b>	<b>No. of weeks in report: 11</b>	<b>Avg. Rating: 2.4</b>
<b><u>Porcine Epidemic Diarrhea in the USA</u></b> <ul style="list-style-type: none"> <li>• The Swine Health Information Center reports the number of cases of PED in the <a href="#">U.S.</a> are running about five percent higher than one year ago, they are seeing regional increases in specific states, including: North Carolina, Kansas, Iowa, Missouri, and Minnesota</li> </ul>	<b>No. of Signals: 01</b>	<b>No. of weeks in report: 04</b>	<b>Avg. Rating: 2.4</b>
<b><u>Monkeypox worldwide</u></b> <ul style="list-style-type: none"> <li>• As of June 27 2022, the <a href="#">CDC</a> is reporting 4357 confirmed cases of monkeypox across 48 different countries, with 235 reported in <a href="#">Canada</a> (2 cases in British Columbia, 4 in Alberta, 45 in Ontario, and 184 in Quebec)</li> <li>• France has reported 300+ cases of monkeypox, and most recently its first cases of monkeypox in a <a href="#">women</a> and a primary school <a href="#">child</a> (no information on whether the cases are connected)</li> </ul>	<b>No. of Signals: 32</b>	<b>No. of weeks in report: 07</b>	<b>Avg. Rating: 1.5 – 2.4</b>
<b><u>Highly Pathogenic Avian Influenza in Europe</u></b> <ul style="list-style-type: none"> <li>• The <a href="#">Netherlands</a>, <a href="#">England</a>, and <a href="#">Russia</a> have reported HPAI H5N1 in domestic poultry</li> <li>• <a href="#">Poland</a>, <a href="#">Germany</a>, <a href="#">Scotland</a>, <a href="#">England</a>, <a href="#">Iceland</a>, <a href="#">Belgium</a>, <a href="#">Sweden</a>, <a href="#">Norway</a>, and <a href="#">Finland</a> have reported HPAI H5N1 in wild birds</li> <li>• A summary of the overall HPAI situation in Europe is available <a href="#">here</a></li> </ul>	<b>No. of Signals: 13</b>	<b>No. of weeks in report: 80</b>	<b>Avg. Rating: 2.0</b>
<b><u>Highly Pathogenic Avian Influenza in Africa</u></b> <ul style="list-style-type: none"> <li>• <a href="#">South Africa</a> continues to report outbreaks of HPAI; since the first outbreak of the HPAI in April 2021, 145 outbreaks have been reported in the last year to the end March 2022, with producers in the Western Cape (68 outbreaks) having been the hardest hit, followed by Gauteng (39) and KwaZulu-Natal (18)</li> </ul>	<b>No. of Signals: 02</b>	<b>No. of weeks in report: 31</b>	<b>Avg. Rating: 2.0</b>

## SCIENTIFIC FINDINGS & REPORTS:

### Influenza

- ◆ Global dissemination of H5N1 influenza viruses bearing the clade 2.3.4.4b HA gene and biologic analysis of the ones detected in China [Read More](#)
- ◆ Resurgence of H5N6 avian influenza virus in 2021 poses new threat to public health [Read More](#)
- ◆ Exposure of white-tailed deer in North America to influenza D virus [Read More](#)

### Vectors & Vector borne Diseases

- ◆ Asian Longhorned Tick found to be Established in Fairfield County, Connecticut [Read More](#)
- ◆ Increase in American Dog Ticks in Illinois [Read More](#)
- ◆ Risk assessment recommended for UK cattle as tick numbers due to peak [Read More](#)

### Monkeypox

- ◆ Letter: Is monkeypox another reemerging viral zoonosis with many animal hosts yet to be defined? [Read More](#)

### Other

- ◆ Genomic characterization of *Streptococcus parasuis*, a close relative of *Streptococcus suis* and also a potential opportunistic zoonotic pathogen [Read More](#)
- ◆ SHIC-funded project examines growing-pig site biosecurity gaps [Read More](#)
- ◆ Epidemiology of *Mycobacterium bovis* infection in free-ranging rhinoceros in Kruger National Park, South Africa [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.