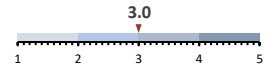


## SUMMARY: RELEVANT EVENTS (includes all events rated $\geq 3.0$ )

### Highly Pathogenic Avian Influenza

- Over the past week, **Canada** has reported two additional outbreaks of HPAI in commercial poultry in **Quebec**

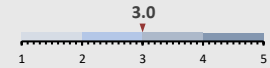
[Read More](#)



### African Swine Fever

- Two additional cases of ASF have been confirmed in farmed pigs in **Germany**, one in **Lower Saxony** (previously free of the disease) and the other in **Brandenburg**

[Read More](#)



## NEW EVENTS: (events rated $> 2$ )



### Diphtheria in Australia

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

Ⓞ Australia has reported 2 cases of diphtheria in children in New South Wales. The first case is in a 2-year-old unvaccinated child who was admitted to ICU and has received diphtheria antitoxin, antibiotics and respiratory support. The second case is in a 6-year-old unvaccinated child who is a close family contact of the first case. These are the first cases of diphtheria in NSW since the 1990s.

[Read More](#)

Avg. Rating	2.3
No. of Signal	1
No. of Ratings	3

## CONTINUED EVENTS: (events rated $\geq 2.4$ )

### African Swine Fever in Europe

**No. of Signals: 08**

**No. of weeks in report: 137**

**Avg. Rating: 2.0 – 3.0**

- Germany** has reported two additional cases of ASF in farmed pigs, one in Lower Saxony, which was previously free of the disease, and the other in Brandenburg
- Germany, Hungary, Latvia, Macedonia, and Romania** have reported cases of ASF in wild boar

### Highly Pathogenic Avian Influenza in North America

**No. of Signals: 04**

**No. of weeks in report: 25**

**Avg. Rating: 2.0 – 3.0**

- Over the last week, **Canada** has reported additional outbreaks of HPAI in: Quebec (2)
- Over the last week, the **USDA** has reported outbreaks of HPAI H5N1 in backyard birds in Washington and Maine

### Monkeypox worldwide

**No. of Signals: 27**

**No. of weeks in report: 08**

**Avg. Rating: 1.8 – 2.8**

- As of July 3 2022, the **CDC** is reporting 5783 confirmed cases of monkeypox across 52 different countries
- Canada** has reported 300 cases of monkeypox to date (4 cases in British Columbia, 8 in Alberta, 77 in Ontario, and 211 in Quebec)
- In the USA, traces of monkeypox have been found in **San Francisco's** waste water, and recent **reports** suggest case numbers in the USA are underestimated and the testing system/guidelines are ineffective

### Influenza A (H5N6) in China

**No. of Signals: 04**

**No. of weeks in report: 33**

**Avg. Rating: 2.2 – 2.7**

- China** has reported an additional human case of influenza A (H5N6) in a 58-year-old male from Jiangxi, who had exposure to poultry from the market; from 2014 to date, 79 human cases of avian influenza A(H5N6) have been reported

### Porcine Epidemic Diarrhea in Canada

**No. of Signals: 01**

**No. of weeks in report: 10**

**Avg. Rating: 2.4**

- On June 9 2022, an outbreak of PED was reported in a farrow-to-finish farm in Oxford County, **Ontario**

### Highly Pathogenic Avian Influenza in Europe

**No. of Signals: 10**

**No. of weeks in report: 81**

**Avg. Rating: 2.0**

- Slovakia** has reported HPAI H5N1 in domestic poultry
- Scotland, England, Lithuania, Denmark, Sweden, Finland, and Belgium** have reported HPAI H5N1 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

### Highly Pathogenic Avian Influenza in Asia

**No. of Signals: 02**

**No. of weeks in report: 67**

**Avg. Rating: 2.0**

- Kazakhstan** has reported HPAI H5 in wild birds

## SCIENTIFIC FINDINGS & REPORTS:

### Influenza

- ◆ Epidemiologic, Clinical, and Genetic Characteristics of Human Infections with Influenza A(H5N6) Viruses, China [Read More](#)
- ◆ Pre-print: Human infection with a novel reassortment avian influenza A H3N8 virus: an epidemiological investigation study [Read More](#)

### Lumpy Skin Disease

- ◆ Recombinant LSDV Strains in Asia: Vaccine Spillover or Natural Emergence? [Read More](#)

### Vectors & Vector borne Diseases

- ◆ Bagaza Virus in Wild Birds, Portugal, 2021 [Read More](#)

### Monkeypox

- ◆ Demographic and clinical characteristics of confirmed human monkeypox virus cases in individuals attending a sexual health centre in London, UK: an observational analysis [Read More](#)
- ◆ Evidence of surface contamination in hospital rooms occupied by patients infected with monkeypox, Germany, June 2022 [Read More](#)
- ◆ Epidemiological, clinical and virological characteristics of four cases of monkeypox support transmission through sexual contact, Italy, May 2022 [Read More](#)
- ◆ Estimated incubation period for monkeypox cases confirmed in the Netherlands, May 2022 [Read More](#)

### Other

- ◆ Correspondence: Detection of Marburg Virus Disease in Guinea [Read More](#)
- ◆ Novel *Mycobacterium tuberculosis* Complex Genotype Related to *M. caprae* [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.