

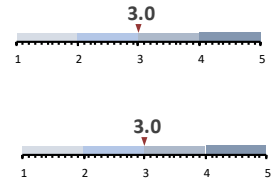
## SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

### Highly Pathogenic Avian Influenza

- Over the last week, Canada has reported outbreaks of HPAI in commercial poultry in: **Saskatchewan(2), Manitoba(5), Ontario(1), and Quebec(1)**; and in non-commercial poultry in: **Alberta(1) and British Columbia(2)**
- Over the last week, the **USDA** has reported outbreaks of HPAI H5N1 in commercial poultry in: **Arkansas, South Dakota, California, and Nebraska**; as well as backyard poultry in: **New Mexico, Kentucky, Alaska, Connecticut, Montana, Pennsylvania, Nebraska, Michigan, California, and Ohio**

[Read More](#)

[Read More](#)



## NEW EVENTS: (events rated > 2)

No new events to report this week

## CONTINUED EVENTS: (events rated ≥ 2.4)

### Highly Pathogenic Avian Influenza in North America

**No. of Signals: 08**

**No. of weeks in report: 39**

**Avg. Rating: 2.0 - 3.0**

- Over the last week, [Canada](#) has reported outbreaks of HPAI in commercial poultry in: Saskatchewan(2), Manitoba(5), Ontario(1), and Quebec(1); and in non-commercial poultry in: Alberta(1) and British Columbia(2)
- Over the last week, the [USDA](#) has reported outbreaks of HPAI H5N1 in commercial poultry in: Arkansas, South Dakota, California, and Nebraska; as well as backyard poultry in: New Mexico, Kentucky, Alaska, Connecticut, Montana, Pennsylvania, Nebraska, Michigan, California, and Ohio

### Influenza A (H10N3) in China

**No. of Signals: 03**

**No. of weeks in report: 35**

**Avg. Rating: 2.0 - 2.7**

- [China](#) has reported a second case of influenza A H10N3 in a 33-year-old man from Zhejiang province, with onset on June 11, 2022

### Highly Pathogenic Avian Influenza in Europe

**No. of Signals: 19**

**No. of weeks in report: 95**

**Avg. Rating: 1.3 - 2.4**

- The [UK](#), the [Netherlands](#), [Portugal](#), and [Germany](#) have reported outbreaks of HPAI H5N1 in domestic poultry
- [Italy](#), [Belgium](#), and [Norway](#) have reported cases of HPAI H5N1 in wild birds
- [Ireland](#) has reported HPAI H5N1 in a red fox
- [Finland](#) has reported HPAI H5N5 in a white-tailed eagle
- A summary of the overall HPAI situation in Europe is available [here](#)

### African Swine Fever in Asia

**No. of Signals: 02**

**No. of weeks in report: 148**

**Avg. Rating: 2.0 - 2.3**

- In [Nepal](#), >15 000 domestic pigs have died from ASF since the 1st outbreak reported in March this year
- [Vietnam](#) has reported ASF in domestic swine in Dien Bien

### Monkeypox worldwide

**No. of Signals: 12**

**No. of weeks in report: 22**

**Avg. Rating: 1.4 - 2.3**

- As of Oct 7, 2022, the [CDC](#) is reporting 71,096 confirmed cases of monkeypox across 107 different countries
- [Canada](#) has reported 1,411 cases of monkeypox to date (2 in the Yukon, 167 cases in British Columbia, 41 in Alberta, 3 in Saskatchewan, 1 in Manitoba, 674 in Ontario, 521 in Quebec, 1 in Nova Scotia, and 1 in New Brunswick)
- [Vietnam](#) has reported its first case of monkeypox, in a 35-year-old woman who began showing symptoms on September 18, 2022 while traveling in Dubai

### Highly Pathogenic Avian Influenza in Africa

**No. of Signals: 02**

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

**Avg. Rating: 2.0**

- [Algeria](#) has reported HPAI H5N1 in domestic poultry in Medea

## SCIENTIFIC FINDINGS & REPORTS:

### Monkeypox

- ◆ Human Monkeypox Virus Infection in the Immediate Period After Receiving Modified Vaccinia Ankara Vaccine [Read More](#)
- ◆ Myocarditis Attributable to Monkeypox Virus Infection in 2 Patients, United States, 2022 [Read More](#)
- ◆ Viral loads in clinical samples of men with monkeypox virus infection: a French case series [Read More](#)

### Vectors & Vector borne Diseases

- ◆ Identification of Jingmen tick virus (JMTV) in *Amblyomma testudinarium* from Fujian Province, southeastern China [Read More](#)

### Other

- ◆ Faecal virome of the Australian grey-headed flying fox from urban/suburban environments contains novel coronaviruses, retroviruses and sapoviruses [Read More](#)
- ◆ Impact of joint interactions with humans and social interactions with conspecifics on the risk of zoonotic outbreaks among wildlife populations [Read More](#)
- ◆ First Genomic Evidence of a Henipa-like Virus in Brazil [Read More](#)
- ◆ Ontario Swine Influenza Industry Update [Read More](#)
- ◆ SHIC - October Global Swine Disease Monitoring Report [Read More](#)
- ◆ SHIC - October Domestic Swine Disease Monitoring Report [Read More](#)
- ◆ SHIC - The Spillover Risk of Pathogenic Bacteria from Wild Mammals into Pigs [Read More](#)
- ◆ Disease control tools to secure animal and public health in a densely populated world [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.