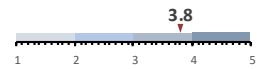


SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

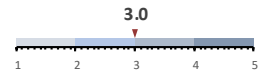
Highly Pathogenic Avian Influenza

- Canada has reported four additional outbreaks of HPAI H5N1 in southern **Ontario**, bringing the total to six; three cases of HPAI H5N1 have recently been reported in wild birds in **Quebec**
- Over the last week, the USDA has reported outbreaks of HPAI in commercial poultry (**North Dakota, Texas, Iowa, Minnesota, North Carolina, South Dakota, Missouri**), in backyard birds (**Wyoming, Ohio, Massachusetts, Wisconsin, Illinois, Minnesota, Maine, North Dakota**), and wild birds (**Oklahoma, Ohio, Minnesota, South Dakota, North Dakota, Vermont, Wisconsin, Minnesota, Ohio**)

[Read More](#)



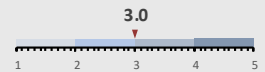
[Read More](#)



Chronic Wasting Disease

- CWD has been confirmed in a hunter-harvested white-tailed deer in Yadkin County, **North Carolina**; this is the first case of CWD detected in **North Carolina's** deer herd

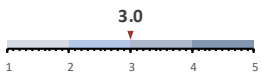
[Read More](#)



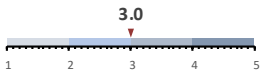
SARS-CoV-2

- Utah** has confirmed SARS-CoV-2 in a mule deer; this is the first finding of SARS-CoV-2 in mule deer
- Saskatchewan** has reported finding SARS-CoV-2 in four white-tailed deer, sampled last December

[Read More](#)



[Read More](#)



Unknown

- A die-off of common murres has been reported along the northeast coast of **Newfoundland and Labrador**

[Read More](#)



NEW EVENTS: (events rated > 2)



Die-off of common murres in Newfoundland and Labrador

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

Ⓛ A die-off of common murres has been reported along the northeast coast of Newfoundland and Labrador as far as Southern Labrador. Starvation events are not unusual around this time of year but they tend to be localized within a bay, however this is affecting multiple large bays. Samples are being collected and necropsies conducted to figure out why the murres are dying. Preliminary results into the cause of the death may be available sometime this week. The birds will also be tested for avian influenza which is a longer process.

[Read More](#)

Avg. Rating	3.0
No. of Signal	1
No. of Ratings	2

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America **No. of Signals: 22** **No. of weeks in report: 13** **Avg. Rating: 2.3 – 3.8**

- [Canada](#) has reported four additional outbreaks of HPAI H5N1 in southern Ontario, bringing the total to six, and [primary control zones](#) have been established in areas where HPAI has been identified; three cases of HPAI H5N1 have recently been reported in wild birds in [Quebec](#)
- Over the last week, the [USDA](#) has reported outbreaks of HPAI in commercial poultry (North Dakota, Texas, Iowa, Minnesota, North Carolina, South Dakota, Missouri), in backyard birds (Wyoming, Ohio, Massachusetts, Wisconsin, Illinois, Minnesota, Maine, North Dakota), and wild birds ([Oklahoma](#), Ohio, Minnesota, South Dakota, North Dakota, Vermont, Wisconsin, Minnesota, Ohio)

Chronic Wasting Disease in the USA **No. of Signals: 02** **No. of weeks in report: 20** **Avg. Rating: 2.7 – 3.0**

- CWD has been confirmed in a hunter-harvested white-tailed deer in Yadkin County, [North Carolina](#); this is the first case of CWD detected in North Carolina's deer herd

COVID-19 Worldwide (as of April 3, 2022) **No. of Signals: 09** **No. of weeks in report: 63** **Avg. Rating: 1.0 – 3.0**

- [Worldwide](#), there have been 489,779,062 confirmed cases of COVID-19 with 6,152,095 deaths reported
- In [Canada](#), there have been 3,510,335 cases of COVID-19 with 37,721 deaths reported
- [Utah](#) has confirmed SARS-CoV-2 in a mule deer; this is the first finding of SARS-CoV-2 in mule deer
- [Saskatchewan](#) has reported finding SARS-CoV-2 in four white-tailed deer, sampled last December

African Swine Fever in Asia **No. of Signals: 03** **No. of weeks in report: 143** **Avg. Rating: 2.8**

- The [Philippines](#), [Thailand](#), and [Vietnam](#) have reported outbreaks of ASF in domestic swine

Highly Pathogenic Avian Influenza in Europe **No. of Signals: 12** **No. of weeks in report: 68** **Avg. Rating: 2.0 – 2.8**

- [Germany](#), [Belgium](#), [England](#) have reported outbreaks of HPAI H5N1 in domestic poultry
- [Bulgaria](#) has reported an outbreak of HPAI at an industrial poultry farm in Asenovgrad
- [Greece](#) has reported a mass mortality event in Dalmatian pelicans at the Prespa National Park due to HPAI
- [England](#), [Scotland](#), [Wales](#), and [Albania](#) have reported cases of HPAI H5N1 in wild birds
- [Belgium](#) has reported HPAI H5 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

Highly Pathogenic Avian Influenza in Asia **No. of Signals: 04** **No. of weeks in report: 55** **Avg. Rating: 2.0 – 2.8**

- [Vietnam](#) has reported an outbreak of HPAI H5N1 in domestic poultry in Kon Tum; this is the first H5N1 outbreak to appear in the province since the beginning of 2021
- [Taiwan](#) has reported an outbreak of HPAI H5N2 in domestic poultry
- [South Korea](#) has reported HPAI H5N1 in wild birds
- The [Philippines](#) have reported outbreaks of HPAI H5N8 and H5N1 in domestic poultry

Japanese Encephalitis in Australia **No. of Signals: 05** **No. of weeks in report: 04** **Avg. Rating: 2.0 – 2.7**

- In Australia, as of April 3, there have been [35 human cases](#) (24 confirmed, 11 suspected) of JEV and 3 deaths; [Victoria](#) and [South Australia](#) have also reported additional detections of JEV in piggeries

Highly Pathogenic Avian Influenza in Africa **No. of Signals: 02** **No. of weeks in report: 26** **Avg. Rating: 2.0**

- [Mali](#) has reported HPAI following high poultry mortalities observed in poultry farms in the peri-urban area of Kati
- [South Africa](#) has reported cases of HPAI H5N1 in wild birds

SCIENTIFIC FINDINGS & REPORTS:

SARS-CoV-2

- ◆ Serological Evidence That SARS-CoV-2 Has Not Emerged in Deer in Germany or Austria during the COVID-19 Pandemic [Read More](#)
- ◆ Neuropathology and virus in brain of SARS-CoV-2 infected non-human primates [Read More](#)
- ◆ Possible Cross-Reactivity of Feline and White-Tailed Deer Antibodies against the SARS-CoV-2 Receptor Binding Domain [Read More](#)

Avian Influenza

- ◆ Highly Pathogenic Avian Influenza Virus (H5N8) Outbreak In A Wild Bird Rescue Center, The Netherlands: Consequences And Recommendations [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.