

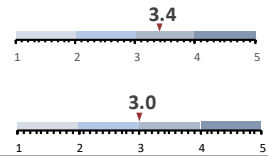
## SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

### Highly Pathogenic Avian Influenza

- Over the last week, Canada has reported one outbreak of HPAI in commercial poultry in **Saskatchewan**
- Dead birds continue to be found along the shores of **Eastern Canada**, with a recent report of hundreds of dead gulls discovered on the shores of **Bear Island** near **Digby, Nova Scotia**

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## 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: 11**

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

**Avg. Rating: 2.0 - 3.4**

- Over the last week, Canada has reported one outbreak of HPAI in commercial poultry in [Saskatchewan](#)
- Hundreds of dead gulls have been discovered on the shores of Bear Island near Digby, [Nova Scotia](#), their deaths likely due to HPAI
- Over the last week, the [USDA](#) has reported outbreaks of HPAI H5N1 in commercial poultry in Minnesota and California, as well as backyard poultry in California
- In [Florida](#), a bottlenose dolphin found dead in Dixie County in March was confirmed positive for HPAI (clade 2.3.4.4b of the Eurasian H5 viral lineage), making it the first cetacean to be found with the virus in America and only the second known case in the world

### Rabbit Hemorrhagic Disease Virus in Canada

**No. of Signals: 01**

**No. of weeks in report: 05**

**Avg. Rating: 2.8**

- In [Calgary](#), over the last week, veterinarians and rescue groups have received dozens of reports of dead feral rabbits from the public; testing is underway to confirm the cause of their deaths, suspected to be RHDV2 (which was confirmed in an indoor rabbit in Calgary in May)

### Highly Pathogenic Avian Influenza in Europe

**No. of Signals: 13**

**No. of weeks in report: 91**

**Avg. Rating: 2.0 - 2.7**

- [Germany](#), [Portugal](#), [England](#), and [Wales](#) have reported outbreaks of HPAI H5N1 in domestic poultry
- [Portugal](#), [Ireland](#), [France](#), [Belgium](#), and [Germany](#) have reported cases of HPAI in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

### Monkeypox worldwide

**No. of Signals: 18**

**No. of weeks in report: 18**

**Avg. Rating: 1.4 - 2.4**

- As of Sept 12 2022, the [CDC](#) is reporting 57,995 confirmed cases of monkeypox across 103 different countries
- [Canada](#) has reported 1,321 cases of monkeypox to date (2 in the Yukon, 143 cases in British Columbia, 34 in Alberta, 3 in Saskatchewan, 1 in Manitoba, 631 in Ontario, 505 in Quebec, 1 in Nova Scotia, and 1 in New Brunswick)

## SCIENTIFIC FINDINGS & REPORTS:

### Influenza

- ◆ Human infection with H3N8 avian influenza virus: A novel H9N2-original reassortment virus [Read More](#)
- ◆ Will the influenza A(H3N8) cause a major public health threat? [Read More](#)

### Chronic Wasting Disease

- ◆ Transmission of cervid prions to humanized mice demonstrates the zoonotic potential of CWD [Read More](#)

### Monkeypox

- ◆ Monkeypox virus infections in children in Spain during the first months of the 2022 outbreak [Read More](#)
- ◆ Emerging Monkeypox virus and neuroinflammatory disorders [Read More](#)
- ◆ Isolation of viable monkeypox virus from anal and urethral swabs, Italy, May to July 2022 [Read More](#)
- ◆ Clinical characteristics of monkeypox virus infections among men with and without HIV: A large outbreak cohort in Germany [Read More](#)
- ◆ Acute Myocarditis – a new manifestation of Monkeypox infection? [Read More](#)
- ◆ Monkeypox infection with localized genital lesions in women [Read More](#)

### SARS-CoV-2

- ◆ Compellingly high SARS-CoV-2 susceptibility of Golden Syrian hamsters suggests multiple zoonotic infections of pet hamsters during the COVID-19 pandemic [Read More](#)
- ◆ FAO - SARS-CoV-2 Animal Situation Update Report [Read More](#)
- ◆ USDA - SARS-CoV-2 Animal Dashboard Updated [Read More](#)

### Vectors & Vectorborne Diseases

- ◆ Rapid increase in neuroinvasive West Nile virus infections in humans, Italy, July 2022 [Read More](#)

### Other

- ◆ IBH: Managing an emerging immunosuppressive disease of broilers [Read More](#)
- ◆ The first evidence of shaking mink syndrome (SMS)-astrovirus associated encephalitis in farmed minks, China [Read More](#)
- ◆ Imagining the future of pandemics and epidemics: a 2022 perspective [Read More](#)
- ◆ SHIC – September Global Swine Disease Monitoring Report [Read More](#)
- ◆ SHIC – September Domestic Swine Disease Monitoring Report [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.