

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

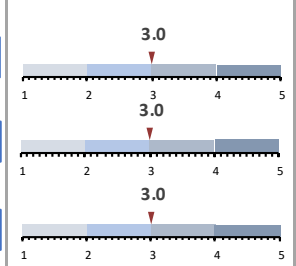
Highly Pathogenic Avian Influenza

- Over the last week, **Canada** has reported outbreaks of HPAI in commercial poultry in: **British Columbia**(3) and **Saskatchewan**(5)
- Argentina** has confirmed HPAI H5N1 in elephant seal pups found on the **Valdes Peninsula** at the sites of the mass mortality event; positive kelp gulls and South American terns were found at the same sites
- Finland** has reported an additional HPAI H5N1 positive mink farm, bringing the total number of infected farms to 32; active surveillance of fox and raccoon kennels has also begun

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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 Europe

No. of Signals: 07

No. of weeks in report: 150

Avg. Rating: 2.0 - 3.0

- Finland** has reported an additional HPAI H5N1 positive mink farm, bringing the total number of infected farms to 32; active surveillance of fox and raccoon kennels has also begun
- Austria**, **Russia**, and **Romania** have reported HPAI H5N1 in domestic birds
- Germany** has reported LPAI on a farm in Cuxhaven
- A summary of the overall HPAI situation in Europe is available [here](#)

Highly Pathogenic Avian Influenza in North America

No. of Signals: 12

No. of weeks in report: 89

Avg. Rating: 2.0 - 3.0

- Over the last week, **Canada** has reported outbreaks of HPAI in commercial poultry in: British Columbia(3) and Saskatchewan(5)
- Over the last week, the **USA** has reported outbreaks of HPAI in commercial poultry in: South Dakota(2), Arkansas(1), Minnesota(2), and Alabama(1); in WOAHP poultry in: Iowa(2); in WOAHP non-poultry in: Tennessee(1) and Oklahoma(2)
- Mexico** has detected HPAI H5 at a second poultry farm in Cajeme, Sonora, located 3km from the first confirmed farm

Highly Pathogenic Avian Influenza in South America

No. of Signals: 07

No. of weeks in report: 50

Avg. Rating: 2.0 - 3.0

- Argentina** has confirmed HPAI H5N1 in elephant seal pups found on the Valdes Peninsula at the sites of the mass mortality event; positive kelp gulls and South American terns were found at the same sites
- In **Chile**, ~3,000 Humboldt penguins have died due to HPAI so far in 2023
- In Rio Grande do Sul, **Brazil**, a total of 608 aquatic mammals (sea lions and fur seals) have died from HPAI
- Brazil** has reported additional cases of HPAI H5N1 in wild birds

Dengue in the USA

No. of Signals: 01

No. of weeks in report: 03

Avg. Rating: 2.8

- California** has reported a second locally acquired case of Dengue, this time in Long Beach; the first local case was reported last week in Pasadena

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 02

No. of weeks in report: 116

Avg. Rating: 2.0

- Vietnam** has reported HPAI H5N1 in domestic birds in Dien Phuung, killing >2000 ducks

SCIENTIFIC FINDINGS & REPORTS:

African Swine Fever

- ◆ Detection of African Swine Fever Virus from Wild Boar, Singapore, 2023 [Read More](#)

Influenza

- ◆ Mass Mortality of Sea Lions Caused by Highly Pathogenic Avian Influenza A(H5N1) Virus [Read More](#)
- ◆ Neurotropic Highly Pathogenic Avian Influenza A(H5N1) Virus in Red Foxes, Northern Germany [Read More](#)
- ◆ Highly Pathogenic Avian Influenza A(H5N1) Virus–Induced Mass Death of Wild Birds, Caspian Sea, Russia, 2022 [Read More](#)
- ◆ Evolution and international transmission of H3N2 canine influenza A viruses from Korea during 2014–2017 [Read More](#)
- ◆ Exploring the responses of smallscale poultry keepers to avian influenza regulations and guidance in the United Kingdom, with recommendations for improved biosecurity messaging [Read More](#)

Vectors and Vector-borne Disease

- ◆ First detection of Crimean-Congo haemorrhagic fever virus in southern France [Read More](#)
- ◆ Crimean-Congo Hemorrhagic Fever Virus Seropositivity among Dromedary Camels, Algeria, 2020–2021 [Read More](#)
- ◆ Culicoides-borne Orbivirus epidemiology in a changing climate [Read More](#)
- ◆ The role of wildlife in the expansion of tick populations in eastern North America [Read More](#)

Other

- ◆ Microfilaremic *Dirofilaria repens* Infection in Patient from Serbia [Read More](#)
- ◆ Detection and characterization of novel luchacoviruses, genus *Alphacoronavirus*, in saliva and feces of meso-carnivores in the northeastern United States [Read More](#)
- ◆ Historical trends demonstrate a pattern of increasingly frequent and severe spillover events of high-consequence zoonotic viruses [Read More](#)
- ◆ Backyard zoonoses: The roles of companion animals and peri-domestic wildlife [Read More](#)
- ◆ Whole-Genome Sequence and Pathogenicity Analysis of *Providencia Heimbachae* Causing Diarrhea in Weaned Piglets [Read More](#)
- ◆ ECDC - Communicable disease threats report, 15-22 October 2023, week 42 [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.