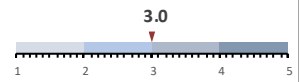


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

Highly Pathogenic Avian Influenza

◆ As of July 2, 2024, the USDA has reported influenza A H5N1 in a total of 137 dairy herds across 12 states: **Wyoming(1), North Carolina(1), Ohio(1), Kansas(4), South Dakota(5), Minnesota(6), New Mexico(8), Iowa(11), Texas(21), Colorado(23), Michigan(25), and Idaho(28)**

[Read More](#)



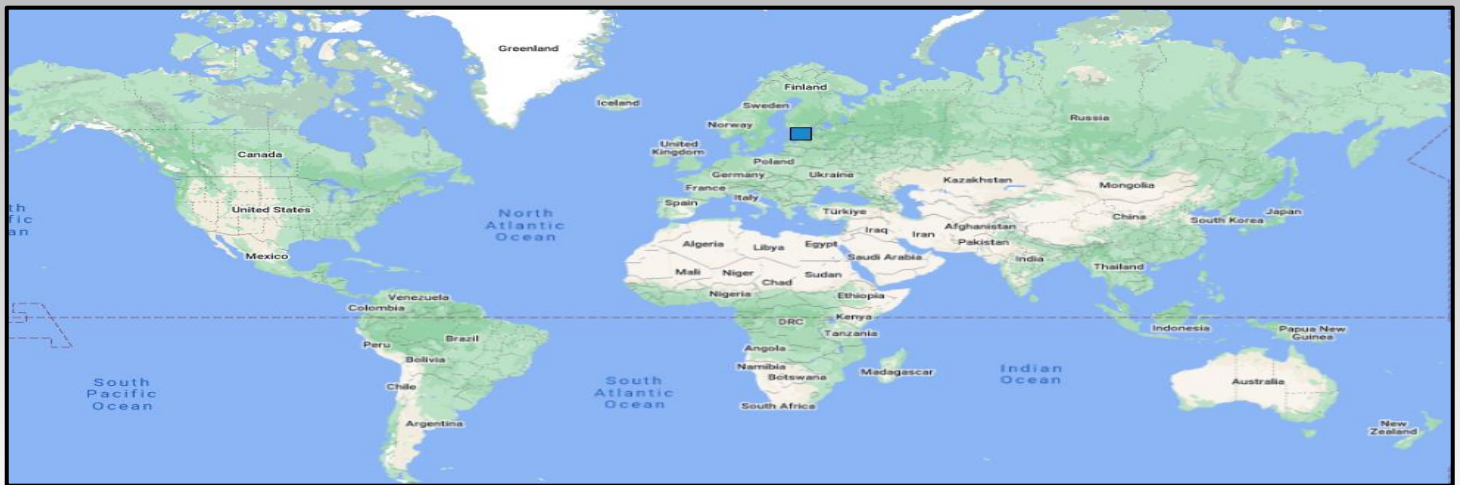
Influenza A(H1N2v)

◆ **Pennsylvania** has reported two human infections with novel influenza A(H1N2v); the patients are close contacts, >18 years of age, and attended a livestock auction where swine were present

[Read More](#)



NEW EVENTS: (events rated > 2)



■ Babesiosis in Estonia

Pathogen: parasite; **Transmission:** vector - tick; **Species affected in event:** human

Ⓞ Eight human cases of babesiosis and one re-infection have been reported in Estonia in 2024. Babesiosis was detected in Estonian ticks a few years ago, with <2% of ticks being carriers at the time. There is no ongoing surveillance for babesiosis in the country, with only Lyme disease and encephalitis currently being monitored. Babesiosis has primarily been found in Southern Europe, however now it has been reported in countries with cooler climates, including Estonia and Finland. [Read More](#)

Avg. Rating	2.6
No. of Signal	1
No. of Ratings	7

CONTINUED EVENTS: (events rated ≥ 2.4)

Influenza A(H1N2v) in the United States

No. of Signals: 01 **No. of weeks in report: 13** **Avg. Rating: 3.0**

- [Pennsylvania](#) has reported two human infections with novel influenza A(H1N2v); the patients are close contacts, >18 years of age, and attended a livestock auction where swine were present

Highly Pathogenic Avian Influenza in North America

No. of Signals: 13 **No. of weeks in report: 122** **Avg. Rating: 1.7 - 3.0**

- [Canada](#) has not reported any outbreaks of HPAI in domestic poultry over the last week
- Over the last week, the [USA](#) has reported outbreaks of HPAI in commercial poultry in: Minnesota(2); and in WOAHP Non-Poultry in: Colorado(2) and Minnesota(1)
- As of July 2, 2024, the [USDA](#) has reported influenza A H5N1 in a total of 137 dairy herds across 12 states: Wyoming(1), North Carolina(1), Ohio(1), Kansas(4), South Dakota(5), [Minnesota](#)(6), New Mexico(8), Iowa(11), Texas(21), [Colorado](#)(23), [Michigan](#)(25), and Idaho(26)
- [Colorado](#) state website lists a total of 27 infected herds with 4 released from quarantine
- [Minnesota](#) state website lists a total of 8 infected herds with 1 released from quarantine
- Additional herds, one from each Ohio and North Carolina, have enrolled in the [USDA's](#) voluntary dairy herd status program, bringing the total number of herds enrolled to six
- The [USDA](#) has added more domestic cats detections to its HPAI in mammals list, bringing the total number of cats to 30; no additional mice detections have been reported over the last week
- The [CDC](#) has issued additional influenza A guidance for agricultural exhibits
- New H5N1 [testing and sampling efforts](#) have been announced, with the CDC partnering with Michigan to launch a study to test the blood of farm workers for antibodies to H5N1; meanwhile, the FDA will be doing another round of dairy product sampling, including items such as raw milk cheese, cream cheese, ice cream, and butter
- The [CDC](#) has released an additional week of Influenza A (not strain specific) wastewater surveillance data on its dashboard

Mpox Worldwide (Democratic Republic of Congo)

No. of Signals: 02 **No. of weeks in report: 25** **Avg. Rating: 2.0 - 2.8**

- Cases of Mpox clade 1 are increasing in the [DRC](#), with ~7,851 cases and 384 associated fatalities reported up to the end of May 2024; the initial outbreak in South Kivu has also now expanded to North Kivu and is currently driven by sexual contact transmission

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 03 **No. of weeks in report: 182** **Avg. Rating: 2.0 - 2.6**

- [Svalbard and Jan Mayen Islands](#) have reported HPAI H5 in a walrus in June; [initial reports](#) of HPAI in walrus in the region occurred in late April 2024
- [France](#) and [Spain](#) have reported cases of HPAI H5N1 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

New World Screwworm in Central America

No. of Signals: 01 **No. of weeks in report: 08** **Avg. Rating: 2.5**

- [Costa Rica](#) has now reported 11 laboratory confirmed cases of New World Screwworm in humans, along with a second human death associated with the parasite

Dengue in the United States

No. of Signals: 01 **No. of weeks in report: 04** **Avg. Rating: 2.5**

- The [CDC](#) has issued a health advisory due to an increased risk of dengue infections this summer, as the global incidence for dengue in 2024 has been the highest on record, with many countries reporting higher-than-usual case numbers
- In 2024, [Florida](#) has reported eight cases of locally acquired dengue across three counties

Highly Pathogenic Avian Influenza in Australia

No. of Signals: 03 **No. of weeks in report: 06** **Avg. Rating: 2.0 - 2.3**

- [Australia](#) has reported two additional outbreaks of HPAI H7N8, one in Hawkesbury (the same region where the initial outbreak was reported) and the other in Canberra, which is linked to the infected site in Hawkesbury via the transporting of eggs and associated materials for commercial grading
- No additional outbreaks of HPAI H7N3 or HPAI H7N9 have been reported in the last week

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 01 **No. of weeks in report: 147** **Avg. Rating: 2.0**

- [China](#) has reported HPAI H5N6 in wild birds

SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

Influenza

- ◆ H5N1 clade 2.3.4.4b avian influenza viruses replicate in differentiated bovine airway epithelial cells cultured at air-liquid interface [Read More](#)
- ◆ Persistence of Influenza H5N1 and H1N1 Viruses in Unpasteurized Milk on Milking Unit Surfaces [Read More](#)
- ◆ Pre-print: Inactivation of highly pathogenic avian influenza virus with high temperature short time 1 continuous flow pasteurization and virus detection in bulk milk tanks [Read More](#)
- ◆ Highly Pathogenic Avian Influenza Virus A(H5N1) Clade 2.3.4.4b Infection in Free-Ranging Polar Bear, Alaska, USA [Read More](#)
- ◆ Reducing the risk of highly pathogenic avian influenza A virus H5N1 transmission during the Hajj [Read More](#)

Mpox

- ◆ WHO – Mpox – Multi-country outbreak of mpox [Read More](#)

Vectors and Vector borne Diseases

- ◆ Oropouche fever cases diagnosed in Italy in two epidemiologically non-related travellers from Cuba, late May to early June 2024 [Read More](#)

Other

- ◆ First findings of Sarcocystis species in game deer and feral pigs in Australia [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 02/07/2024 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 22 - 28 June 2024, week 26 [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.