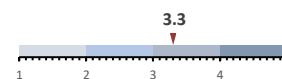


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

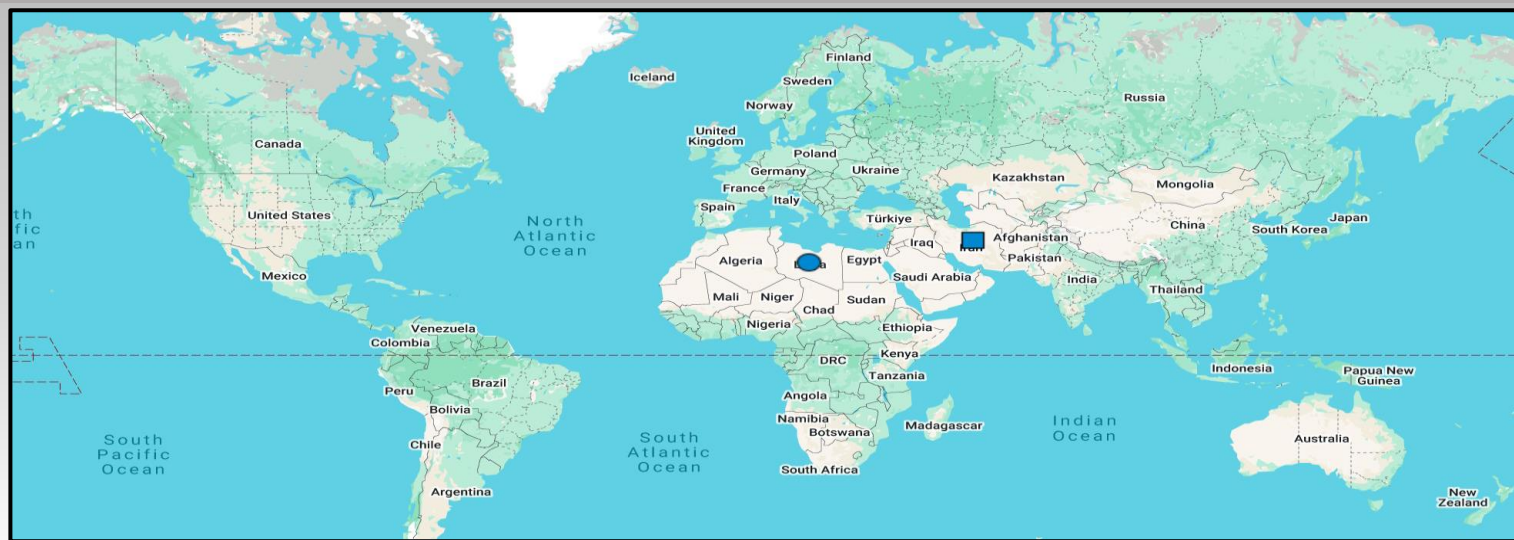
Highly Pathogenic Avian Influenza

- Over the last week, **Canada** has reported outbreaks of HPAI in commercial poultry in: **Manitoba(2), Alberta(1), Ontario(1), and Quebec(1)**; and in non-commercial non-poultry in: **Alberta(1), Quebec(1), and Saskatchewan(1)**

[Read More](#)



NEW EVENTS: (events rated > 2)



Suspected Foot and Mouth Disease SAT-1 in Iran

Pathogen: virus; **Transmission:** direct contact, aerosol, fomite; **Species affected in event:** livestock

① Iran has recently reported outbreaks of FMD in its western provinces. These outbreaks are suspected to be caused by FMD serotype SAT-1, which has recently re-emerged in the Middle East.

[Read More](#)

Avg. Rating	2.2
No. of Signal	1
No. of Ratings	5



Q fever in Libya

Pathogen: bacteria; **Transmission:** inhalation, direct contact, vector; **Species affected in event:** sheep

① Libya has reported cases of Q fever for the first time, in two sheep herds in the city of Al-Zintan. Q Fever is caused by the bacterium *Coxiella burnetii*, which is highly resilient in the environment and can survive in soil, animal waste, and contaminated dust for long periods.

[Read More](#)

Avg. Rating	2.2
No. of Signal	1
No. of Ratings	5

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America

No. of Signals: 05

No. of weeks in report: 187

Avg. Rating: 2.0 - 3.3

- Over the last week, [Canada](#) has reported outbreaks of HPAI in commercial poultry in: Manitoba(2), Alberta(1), Ontario(1), and Quebec(1); and in non-commercial non-poultry in: Alberta(1), Quebec(1), and Saskatchewan(1)
- Over the last week, the [USDA](#) has reported outbreaks of HPAI in commercial poultry in: Minnesota(5), Utah(2), Michigan(1), Washington(1); in WOAHP poultry in: Idaho(1); and in WOAHP Non-poultry in: Oregon(4), Montana(3), Idaho(2), Arkansas(1), Minnesota(1), Wisconsin(1)
- As of October 13, 2025, the [USDA](#) has reported influenza A (H5N1) in 1080 dairy herds across 18 states; Nebraska(1), Wyoming(1), North Carolina(1), Ohio(1), Oklahoma(2), Kansas(4), Arizona(5), South Dakota(7), [Minnesota](#)(9), New Mexico(9), Nevada(11), Iowa(13), Utah(13), Texas(30), [Michigan](#)(31), [Colorado](#)(64), Idaho(107), and California(771); no new outbreaks were reported over the last week
- In [Nevada](#), suspected outbreaks of HPAI have been reported at two wildlife areas near Las Vegas
- Wastewater surveillance dashboards for influenza can be found at the [CDC](#) and Stanford University's [WastewaterSCAN](#)

New World Screwworm in Central America & Mexico

No. of Signals: 03

No. of weeks in report: 40

Avg. Rating: 2.0 - 2.5

- [Mexico](#) has reported 56 human cases of NWS infestation, the majority of which have been reported from Chiapas
- [Mexico](#) has reported a second case of NWS in Nuevo Leon, in a 9-month-old male bovine that was moved to the area from Veracruz

Lumpy Skin Disease in Europe

No. of Signals: 03

No. of weeks in report: 14

Avg. Rating: 2.0 - 2.4

- [Spain](#) has reported additional outbreaks of LSD, bringing the total number of outbreak to nine, all within the Girona region; an [emergency vaccination](#) campaign is underway
- [France](#) has also reported additional outbreaks of LSD, bringing the total number of outbreaks to 80; with a recent report in the Jura region
- [Italy](#) has reported additional outbreaks of LSD in Sardinia, bringing to total number of outbreaks to 72

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 06

No. of weeks in report: 208

Avg. Rating: 2.0

- [Iran](#), [Türkiye](#), and [Vietnam](#) have reported outbreaks of HPAI in domestic poultry
- [India](#) has reported HPAI in wild birds

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 27

No. of weeks in report: 244

Avg. Rating: 1.8 - 2.0

- [Denmark](#), [Spain](#), the [Netherlands](#), [Bulgaria](#), [Poland](#), [Italy](#), and [England](#) have reported outbreaks of HPAI in domestic poultry
- [Denmark](#), [Norway](#), [Sweden](#), [France](#), [Spain](#), [Austria](#), [Portugal](#), [England](#), and [Svalbard and Jan Mayen Islands](#) have reported HPAI in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

African Swine Fever

- ◆ WOA International Standard for African Swine Fever Vaccines [Read More](#)

Coronavirus

- ◆ First serological evidence of equine coronavirus and severe acute respiratory syndrome coronavirus 2 in horses in North Africa [Read More](#)

Influenza

- ◆ Highly Pathogenic Avian Influenza (HPAI) Detected in 41 Species at Risk in Canada [Read More](#)
- ◆ H5N1 influenza virus stability and transmission risk in raw milk and cheese [Read More](#)
- ◆ Diagnostic Tools, Gaps, and Collaborative Pathways in Human H5N1 Detection: Rapid Expert Consultation [Read More](#)
- ◆ Zoonotic threat: Emergence of mammalian-adapted H5N1 virus in migratory birds at Qinghai Lake [Read More](#)
- ◆ Protective efficacy of the UniFluVec influenza vaccine vector against the highly pathogenic influenza A/Indonesia/5/2005 (H5N1) strain in ferrets [Read More](#)
- ◆ Pre-print: Fatal Human H3N8 Influenza Virus has a Moderate Pandemic Risk [Read More](#)
- ◆ Strengths, challenges, and variations - insights into biosecurity practices in Swedish poultry production following HPAI outbreaks [Read More](#)
- ◆ Host responses and viral traits interact to shape the impacts of climate warming on highly pathogenic avian influenza in migratory waterfowl [Read More](#)

Vectors and Vector Borne Diseases

- ◆ Public Health Response to the First Locally Acquired Malaria Outbreaks in the US in 20 Years [Read More](#)
- ◆ Invasive mosquito surveillance in the United Kingdom 2020 to 2024: First detection of Aedes aegypti eggs in the UK and further detection of Aedes albopictus [Read More](#)

Other

- ◆ WHO: Ebola Situation report DRC/25/04 - 05 October, 2025 [Read More](#)
- ◆ WHO South-East Asia Region Epidemiological Bulletin – 22 September to 5 October 2025 [Read More](#)
- ◆ New York Global Health Update Report - 10/09/2025 [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 14/10/2025 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 4 - 11 October 2025, week 41 [Read More](#)
- ◆ European Commission Animal Disease Information System – Weekly Outbreak Summary [Read More](#)
- ◆ SHIC Global Disease Monitoring Report – October 2025 [Read More](#)
- ◆ SHIC Domestic Disease Monitoring Report – October 2025 [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.