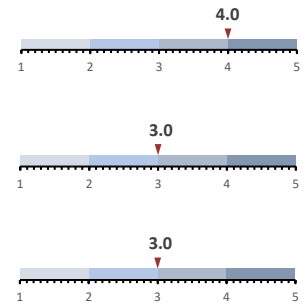


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

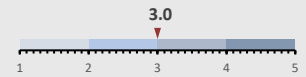
Highly Pathogenic Avian Influenza

- ◆ The USDA has confirmed the first detection of HPAI H5N1 clade 2.3.4.4b in a dairy cattle herd in **Wisconsin**; the **Dodge County** farm had been engaging in routine milk surveillance since May and no cattle had recently been moved onto the farm [Read More](#)
- ◆ Over the last week, **Canada** has reported outbreaks of HPAI in commercial poultry in: **Quebec**(1) and **Ontario**(1); in non-commercial poultry in: **British Columbia**(1); in non-commercial non-poultry in: **Alberta**(1); and in non-commercial poultry (premises classification to be determined) in: **Saskatchewan**(1) [Read More](#)
- ◆ HPAI is suspected to have caused the death of ~50 Canada geese in **Lockport, Manitoba**; this follows the recent discovery of 165 goose carcasses in **Niverville** [Read More](#)



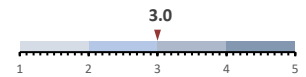
African Swine Fever

- ◆ **Spain** has confirmed additional cases of ASF in wild boar, in the same vicinity as the previously reported cases, bringing the total number of positive detections to 26; another 208 carcasses around the infected area have tested negative [Read More](#)



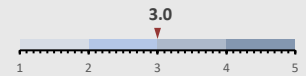
Peste des Petits Ruminants

- ◆ **Croatia** has reported its first outbreak of PPR in the country; 14 cases of PPR were identified in sheep in **Progmet** after reports of abortions [Read More](#)

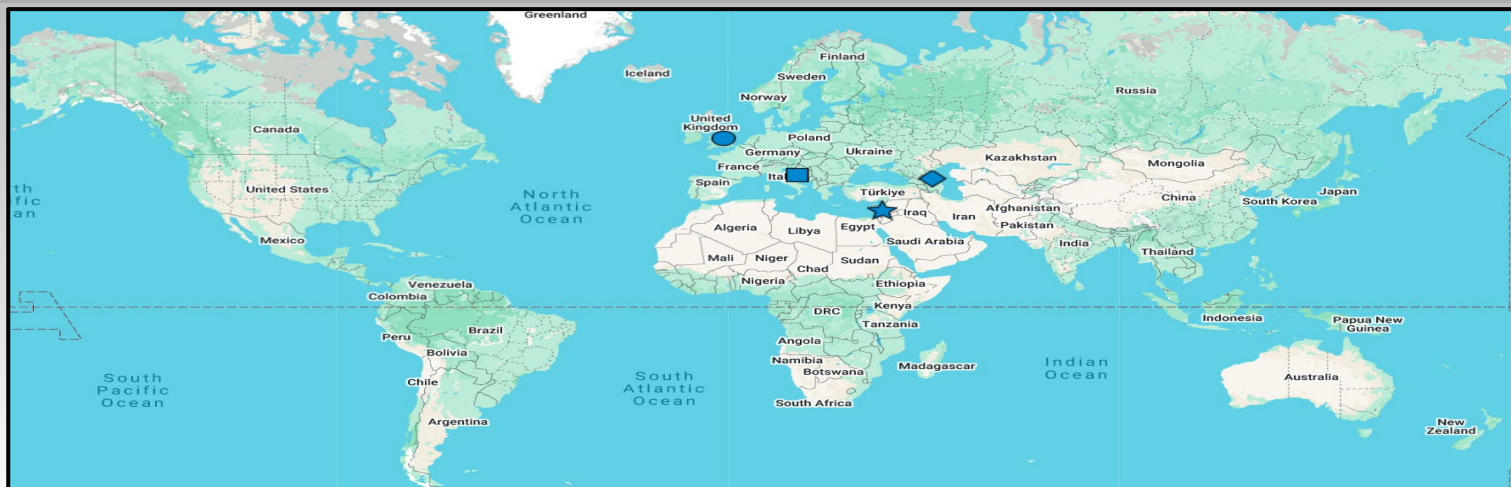


Mpox

- ◆ The WHO has issued an update on the broader global transmission of Mpox clade 1b; **Italy**, **Malaysia**, the **Netherlands**, **Portugal**, **Spain**, and the **USA** are considered to be experiencing local community transmission of Mpox clade 1b [Read More](#)



NEW EVENTS: (events rated > 2)



■ Peste des petits ruminants in Croatia

Pathogen: virus; **Transmission:** direct contact; **Species affected in event:** sheep

① Croatia has reported its first outbreak of PPR in the country. Fourteen cases of PPR were reported in sheep in Progmet, close to Split-Dalmatia, after reports of abortions. All susceptible animals on the establishment have been culled and preliminary cleaning and disinfection have been completed. An investigation to determine the source of introduction is underway.

[Read More](#)

Avg. Rating	3.0
No. of Signal	1
No. of Ratings	4

● New recombinant strain of Mpox in the UK (ex. traveller to Asia)

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

① The UK has identified a new recombinant mpox virus in England in an individual who had recently travelled to Asia. Genomic sequencing showed that the mpox genome contained elements of both mpox clade Ib and IIb.

[Experts](#) note that this is concerning because it shows that the continued global circulation of mpox since 2022 is enabling the virus to evolve in the human population.

[Read More](#)

Avg. Rating	2.8
No. of Signal	2
No. of Ratings	4 - 5

◆ Undiagnosed seal die-off in Dagestan, Russia

Pathogen: unknown; **Transmission:** unknown; **Species affected in event:** seal

① Nearly 500 endangered Caspian seals have washed up dead along Russia's Caspian Sea coast, prompting officials in Dagestan to launch a multi-agency investigation. Dagestan has seen several mass seal deaths in recent years, including a 2022 event in which more than 2,500 carcasses were found. The ministry noted that seal deaths occur annually during migration season and cited recent research suggesting that asphyxiation caused by natural gas releases from the seabed is a leading factor.

[Read More](#)

Avg. Rating	2.5
No. of Signal	1
No. of Ratings	4

★ Foot and mouth disease in Lebanon

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

① Lebanon has reported two outbreaks of FMD (serotype pending) in Bekaa. Lebanon last reported FMD in 2008. Two outbreaks were reported, one in a large cattle farm in West Bekaa and the other in a small farm in Zahleh.

[Read More](#)

Avg. Rating	2.3
No. of Signal	1
No. of Ratings	3

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America

No. of Signals: 11

No. of weeks in report: 196

Avg. Rating: 2.0 - 4.0

- Over the last week, [Canada](#) has reported outbreaks of HPAI in commercial poultry in: Quebec(1) and Ontario(1); in non-commercial poultry in: British Columbia(1); in non-commercial non-poultry in: Alberta(1); and in non-commercial poultry (premises classification to be determined) in: Saskatchewan(1)
- HPAI is suspected to have caused the death of ~50 Canada geese in Lockport, [Manitoba](#); this follows the recent discovery of 165 goose carcasses in Niverville
- Over the last week, the [USDA](#) has reported outbreaks of HPAI in commercial poultry in: Indiana(5), North Dakota(1), and Minnesota(1); in WOA non-poultry in: Indiana(1), North Dakota(1), Kentucky(1), and Washington(1); in WOA non-poultry in: Washington(2), Wyoming(1), West Virginia(1), South Carolina(1), South Dakota(1), North Dakota(1), and Oregon(1)
- As of December 15, 2025, the [USDA](#) has reported influenza A (H5N1) in 1084 dairy herds across 19 states: Wisconsin(1), 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(108), and California(773)
- USDA has confirmed the first detection of HPAI H5N1 clade 2.3.4.4b in a dairy cattle herd in [Wisconsin](#); the Dodge County farm had been engaging in routine milk surveillance since May and no cattle had recently been moved onto the farm
- [Texas](#) has reported HPAI in wild birds across the state
- [Hawaii](#) has reported a suspected case of HPAI in an endangered native duck on Kauai
- In [Ohio](#), ~72 dead vultures found outside a school in Ameila are presumed to have died from HPAI
- Wastewater surveillance dashboards for influenza can be found at the [CDC](#) and Stanford University's [WastewaterSCAN](#)

African Swine Fever in Europe

No. of Signals: 13

No. of weeks in report: 166

Avg. Rating: 2.0 - 3.0

- [Spain](#) has confirmed additional cases of ASF in wild boar, in the same vicinity as the previously reported cases, bringing the total number of positive detections to 26; another 208 carcasses around the infected area have tested negative
- [Poland](#), [Ukraine](#), [Moldova](#), [Estonia](#), [Hungary](#), and [Bulgaria](#) have also reported cases of ASF in wild boar

Chronic Wasting Disease in Canada

No. of Signals: 01

No. of weeks in report: 15

Avg. Rating: 2.8

- [British Columbia](#) has confirmed a sample from a deer harvested in the Okanagan region was **negative** for CWD

Vesicular Stomatitis in the USA

No. of Signals: 01

No. of weeks in report: 12

Avg. Rating: 2.5

- [Arizona](#) has reported a new VSV case in a wild horse from the Salt River Wild Horse Management Group located in the Tonto National Forest in Maricopa County

Lumpy Skin Disease in Europe

No. of Signals: 02

No. of weeks in report: 16

Avg. Rating: 2.0 - 2.3

- [France](#) continues to report new outbreaks of LSD; as of December 14, 2025, 113 outbreaks have been detected in France: Savoie (32), Haute-Savoie (44), Ain (3), Rhône (1), Jura (7), Pyrénées-Orientales (21), Doubs (1), Ariège (1) and Hautes-Pyrénées (1), Haute-Garonne (1), Aude (1)
- Farmers in France are [protesting](#) the culling policies required to control LSD
- [Spain](#) and [Italy](#) have not reported any additional outbreaks of LSD since October and November

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 37

No. of weeks in report: 253

Avg. Rating: 1.5 - 2.3

- [England](#), [France](#), [Poland](#), [Germany](#), [Lithuania](#), [Italy](#), [Portugal](#), [Estonia](#), the [Netherlands](#), and [Spain](#) have reported outbreaks of HPAI in domestic poultry
- [Spain](#), [Slovenia](#), [Austria](#), [Norway](#), [Slovakia](#), [Luxembourg](#), [Hungary](#), [Poland](#), [Switzerland](#), the [Czech Republic](#), and [Estonia](#) have reported HPAI in wild birds
- [Spain](#) has reported ~400 dead storks found by the banks of a river near Madrid, suspected to have died from HPAI
- [Germany](#) has reported HPAI H5N1 in a dead cat discovered in a wooded area near the Brandenburg city; several dead wild birds were also discovered in the area
- A summary of the overall HPAI situation in Europe is available [here](#)

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 06

No. of weeks in report: 217

Avg. Rating: 2.0

- [South Korea](#) has reported additional outbreaks of HPAI in domestic poultry
- [Kazakhstan](#) has reported HPAI in wild birds

Highly Pathogenic Avian Influenza in South America

No. of Signals: 01

No. of weeks in report: 102

Avg. Rating: 2.0

- The [Falkland Islands](#) have reported HPAI H5N1 in black-browed albatrosses, with >40 carcasses observed this summer

SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

Coronavirus

- ECDC - External quality assessment of European SARS-CoV-2 and zoonotic influenza Bioinformatics (ESIB-EQA), 2024 [Read More](#)

Influenza

- ECDC - Avian influenza overview September–November 2025 [Read More](#)
- Pre-existing cross-reactive immunity to highly pathogenic avian influenza 2.3.4.4b A(H5N1) virus in the United States [Read More](#)
- Fatal Human H3N8 Influenza Virus has a Moderate Pandemic Risk [Read More](#)
- Divergent Avian Influenza H10 Viruses from Sympatric Waterbird Species in Italy: Zoonotic Potential Assessment by Molecular Markers [Read More](#)
- Immunogenicity and efficacy of commercial poultry avian influenza vaccines against HPAI A(H5N1) clade 2.3.4.4b viruses in Mexico [Read More](#)
- Pre-print: Vaccine-induced antigenic drift of a human-origin H3N2 Influenza A virus in swine alters glycan binding and sialic acid avidity [Read More](#)
- Identification of the Key Amino Acid Mutations in the PB2 and PA Proteins of Classical Swine H1N1 Influenza A Virus in Mammalian Adaptation [Read More](#)
- Evolutionary trajectories and zoonotic potential of a PB2 mutation triad (I147T, K339T, and A588T) in avian influenza viruses [Read More](#)
- Extended influenza seasons in Australia and New Zealand in 2025 due to the emergence of influenza A(H3N2) subclade K viruses [Read More](#)
- WHO DON - Avian Influenza A(H5N5) - United States of America [Read More](#)
- WHO DON - Seasonal influenza - Global situation [Read More](#)

Mpox

- WHO DON – Broader transmission of mpox due to clade Ib MPXV – Global situation [Read More](#)
- WHO - Multi-country outbreak of mpox, External situation report #60 - 8 December 2025 [Read More](#)

Vectors and Vector Borne Diseases

- Isolation and Characterization of *Rickettsia finnyi*, Novel Pathogenic Spotted Fever Group Rickettsia in Dogs, United States [Read More](#)
- Investigation of avian louse flies as potential vectors of protozoan and bacterial pathogens of veterinary importance [Read More](#)
- Preparation for a potential outbreak of bluetongue virus in Ireland: surveillance design to estimate local prevalence after an initial case detection [Read More](#)
- Molecular Epidemiology and Seroepidemiology of Oz Virus Infection in Ticks and Wild Boars in Ibaraki Prefecture, Japan [Read More](#)
- Potential vectors associated to Oropouche virus transmission in Cuba, 2024 [Read More](#)
- WHO - World malaria report 2025 [Read More](#)

Other

- Multiplex serological screening of wild boar as sentinels of emerging zoonoses: HEV, WNV, and TBEV distribution in Saxony, Germany [Read More](#)
- Rabies Cluster Among Steers on a Dairy Farm - Minnesota, 2024 [Read More](#)
- Two outbreaks of Varicellovirus bovine alpha (herpesvirus)-5 meningoencephalitis in Argentinian calves [Read More](#)
- New York Global Health Update Report – 12/11/2025 [Read More](#)
- France - Weekly Bulletin for International Animal Health Surveillance 16/12/2025 [Read More](#)
- ECDC - Communicable disease threats report, 6 - 12 December 2025, week 50 [Read More](#)
- European Commission Animal Disease Information System – Weekly Outbreak Summary [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.