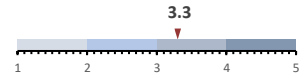


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

Pseudorabies

◆ The USDA has confirmed the presence of pseudorabies virus antibodies in a small commercial swine facility in **Iowa**, with trace-back investigation linking the cases to an outdoor swine facility in **Texas** where additional positive animals were identified

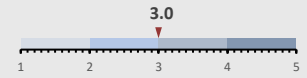
[Read More](#)



Highly Pathogenic Avian Influenza

◆ Over the past week, **Canada** has reported outbreaks of HPAI in: non-commercial poultry in: **Saskatchewan(1)**

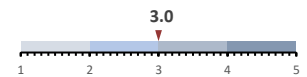
[Read More](#)



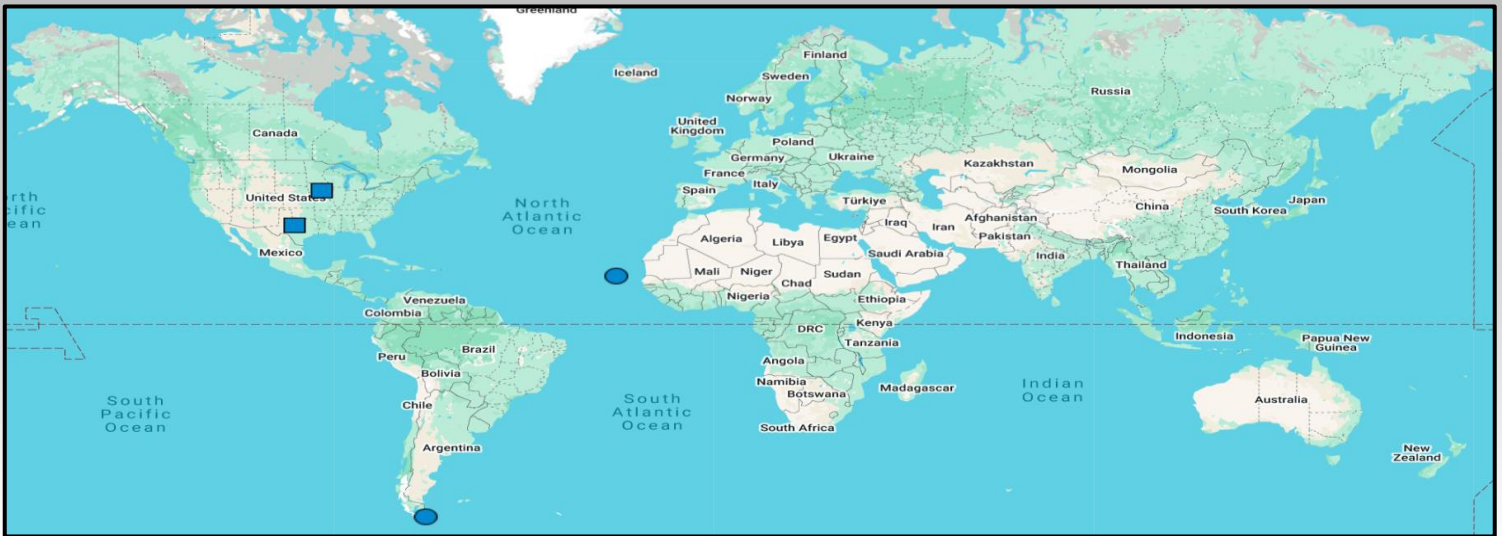
New World Screwworm

◆ **Mexico** has reported its first case of NWS infestation in **Coahuila**, in a female bovine ~3 years of age, located on a property in the municipality of **Castaños**

[Read More](#)



NEW EVENTS: (events rated > 2)



■ **Pseudorabies in commercial swine in the United States**

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

① The USDA has recently confirmed pseudorabies detections in a small domestic swine herd in Iowa with links to Texas. The USDA confirmed, via ELISA and LAT, a detection of antibodies to pseudorabies in a small commercial swine facility in Iowa as a result of routine testing. Initial traceback indicates that the five affected boars came from an outdoor facility in Texas. Animals from that herd also tested positive for pseudorabies. APHIS is working with officials in Iowa and Texas to expand traceback efforts and identify any additional potential exposures. This marks the first known case of pseudorabies in commercial swine since 2004, when it was eradicated from the commercial swine industry.

[Read More](#)

Avg. Rating	3.0 - 3.3
No. of Signal	2
No. of Ratings	3 - 19

● **Hantavirus-associated severe respiratory illness linked to cruise ship travel, multiple countries (ex. Argentina)**

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

① On May 2, 2026, WHO was notified of a cluster of severe respiratory illness aboard a cruise ship carrying 147 people (88 passengers and 59 crew - representing 23 nationalities). As of May 4, 2026, seven cases (two confirmed cases of hantavirus, five suspected) including three deaths had been identified, with illness onset from April 6-28 and rapid progression to pneumonia and acute respiratory distress. An international response is underway, WHO assesses the global public health risk as low. The vessel which departed from Ushuaia, Argentina, and travelled through Antarctica and South Atlantic islands, is currently moored off Cabo Verde.

[Read More](#)

Avg. Rating	2.3
No. of Signal	1
No. of Ratings	4

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America **No. of Signals: 03** **No. of weeks in report: 215** **Avg. Rating: 2.2 - 3.0**

- Over the past week, [Canada](#) has reported outbreaks of HPAI in: non-commercial poultry in: Saskatchewan(1)
- Over the last week, the [USDA](#) has reported outbreaks of HPAI in WOAHP poultry in: North Dakota(1)
- As of May 4, 2026, the [USDA](#) has reported influenza A(H5N1) in 1093 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(117), and California(773); no new outbreaks were reported over the last three weeks
- [Massachusetts](#) has reported three cases of HPAI H5N5 in wild birds collected throughout the first three months of 2026
- 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: 05** **No. of weeks in report: 57** **Avg. Rating: 1.8 - 3.0**

- [Mexico](#) has reported its first case of NWS infestation in Caohuila, in a female bovine ~3 years of age, located on a property in the municipality of Castaños
- As of May 4, 2026, [Mexico](#) has reported 22,882 cumulative cases of the NWS infestations in animals, across 25 states
- The [FDA](#) has issued an emergency use authorization for F10 antiseptic barrier ointment with insecticide (benzalkonium chloride, polyhexanide and cypermethrin topical ointment) for the prevention and treatment of NWS infestations
- The [USDA](#) has submitted a Section 3 registration application to the Environmental Protection Agency for a new pesticide product containing an unregistered active ingredient called NovoFly
- [Florida](#) has issued a NWS emergency animal import rule; the restrictions require all animals imported into Florida originating from a high-risk U.S. county to undergo increased veterinary screenings and treatment

Foot and Mouth Disease in Europe **No. of Signals: 04** **No. of weeks in report: 13** **Avg. Rating: 2.8**

- [Cyprus](#) has confirmed FMD SAT-1 in additional sheep and goat farms, bringing the total number of outbreaks to 110
- The spread of FMD in [Cyprus](#) appears to be linked, in part, to the illegal movement of animals between farms in the districts of Nicosia and Larnaca

Foot and Mouth Disease in Asia **No. of Signals: 02** **No. of weeks in report: 21** **Avg. Rating: 2.0 - 2.8**

- [China](#) has officially reported the second outbreak of FMD SAT-1 in Gansu province to WOAHP; however, previous new reports suggest FMD has spread across 12 provinces
- [Cambodia](#) has reported five outbreaks of FMD type O in cattle, with start dates in January and March 2026

Influenza A (H5N1) in Bangladesh **No. of Signals: 01** **No. of weeks in report: 08** **Avg. Rating: 2.5 - 2.7**

- [Bangladesh](#) has reported a fatal human case of avian influenza A(H5N1) clade 2.3.2.1a, in a child from Chattogram Division, who had direct contact with sick poultry

Newcastle Disease in Europe **No. of Signals: 01** **No. of weeks in report: 09** **Avg. Rating: 2.0 - 2.4**

- [Spain](#) has reported an outbreak of Newcastle disease in previously vaccinated (3 doses) commercial broilers in Valencia, bringing the total number of outbreaks to nine
- [Poland](#) continues to report new outbreaks of Newcastle disease in commercial poultry and [backyard birds](#)
- [Latvia](#) has reported an outbreak of Newcastle disease in commercial poultry near its border with Lithuania

Highly Pathogenic Avian Influenza in Europe **No. of Signals: 04** **No. of weeks in report: 272** **Avg. Rating: 1.3 - 2.4**

- [France](#) and [Poland](#) have reported outbreaks of HPAI in domestic birds
- [Poland](#), [Norway](#), the [Netherlands](#), [Austria](#), and [Finland](#) have reported HPAI in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

Highly Pathogenic Avian Influenza in Asia **No. of Signals: 02** **No. of weeks in report: 236** **Avg. Rating: 2.0**

- [India](#) and [Cambodia](#) have reported outbreaks of HPAI in domestic poultry
- [India](#) has reported HPAI H5N1 in wild peacocks in Karnataka; people who were exposed to the infected birds have been quarantined and are being medically monitored as a precaution

Highly Pathogenic Avian Influenza in South America **No. of Signals: 01** **No. of weeks in report: 116** **Avg. Rating: 2.0**

- [Chile](#) has reported cases of HPAI H5N1 in wild birds and backyard poultry in Los Lagos Region

SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

African Swine Fever

- ◆ Subtle Genetic Shifts of African Swine Fever Virus Among Vietnamese Domestic Swine Following Live-Attenuated Vaccine Commercialization [Read More](#)

Coronavirus

- ◆ Operational zoonotic containment of Middle East respiratory syndrome coronavirus in Saudi Arabia: An implementation-oriented One Health genomic framework [Read More](#)
- ◆ Heart-nosed bat alphacoronaviruses use human CEACAM6 to enter cells [Read More](#)

Foot and Mouth Disease

- ◆ Emergence of foot-and-mouth disease virus SAT 1 topotype III in Iran: molecular and phylogenetic analysis [Read More](#)
- ◆ DEFRA Preliminary Outbreak Assessment Foot and Mouth Disease (FMD) in China [Read More](#)

Influenza

- ◆ Highly pathogenic avian influenza A(H5N1) in poultry and domestic cats and occupational exposure among veterinary and other first responders, Germany, February 2026 separator [Read More](#)
- ◆ Serologic Surveillance of Highly Pathogenic Avian Influenza Virus Subtype H5 in Wildlife, Northeast Germany, 2023–2025 [Read More](#)
- ◆ Highly Pathogenic Avian Influenza A(H5N1) Clade 2.3.4.4b Virus and Mass Mortality in Eurasian Cranes, Germany, 2025 [Read More](#)
- ◆ Distinct infectivity, pathogenicity, and adaptive evolution of clade 2.3.4.4 H5N2 avian influenza viruses in chickens in Taiwan [Read More](#)
- ◆ Emergence and Rapid Spread of a New Reassortant High Pathogenicity H5N1 Clade 2.3.4.4b Avian Influenza Virus in Nigeria [Read More](#)
- ◆ Replication Efficiency of Contemporary Highly Pathogenic Avian Influenza A(H5N1) Virus Isolates in Human Nasal Epithelium Model [Read More](#)
- ◆ WHO: Influenza at the human-animal interface summary and assessment, 31 March 2026 [Read More](#)

Mpox

- ◆ WHO: Mpox Multi-country external situation report no. 65, published 30 April 2026 [Read More](#)

Vectors and Vector Borne Diseases

- ◆ Evolution and spillover dynamics of yellow fever at the forest–urban interface in Brazil [Read More](#)

Other

- ◆ One Health Investigation into Fatal Encephalitis caused by Pigeon Paramyxovirus Type 1, France [Read More](#)
- ◆ Multi-species foraging on a Marburg virus bat reservoir [Read More](#)
- ◆ New York Global Health Update Report – 04/30/2026 [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 05/05/2026 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 25 - 30 April, week 18 [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.