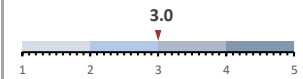


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

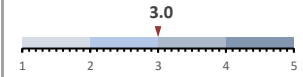
Highly Pathogenic Avian Influenza

- ◆ **California** has reported HPAI H5N9, alongside HPAI H5N1, in a commercial duck premise in **Merced County**; this is the first confirmed case of HPAI H5N9 in the **USA**
- ◆ As of January 24, 2025, the USDA has reported influenza A(H5N1) in 944 dairy herds across 16 states: **Nevada(1), Wyoming(1), North Carolina(1), Ohio(1), Oklahoma(2), Kansas(4), South Dakota(7), Minnesota(9), New Mexico(9), Iowa(13), Utah(13), Texas(27), Michigan(30), Idaho(35), Colorado(64), and California(727)**
 - The recent outbreaks were reported from **California(15)**
 - Recent outbreaks of HPAI in dairy cattle and poultry have not been publicly reported as the Trump administration has put an [immediate pause](#) on many federal health agency communications (regulations, guidance, announcements, press releases, social media posts and website posts)

[Read More](#)



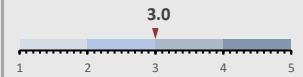
[Read More](#)



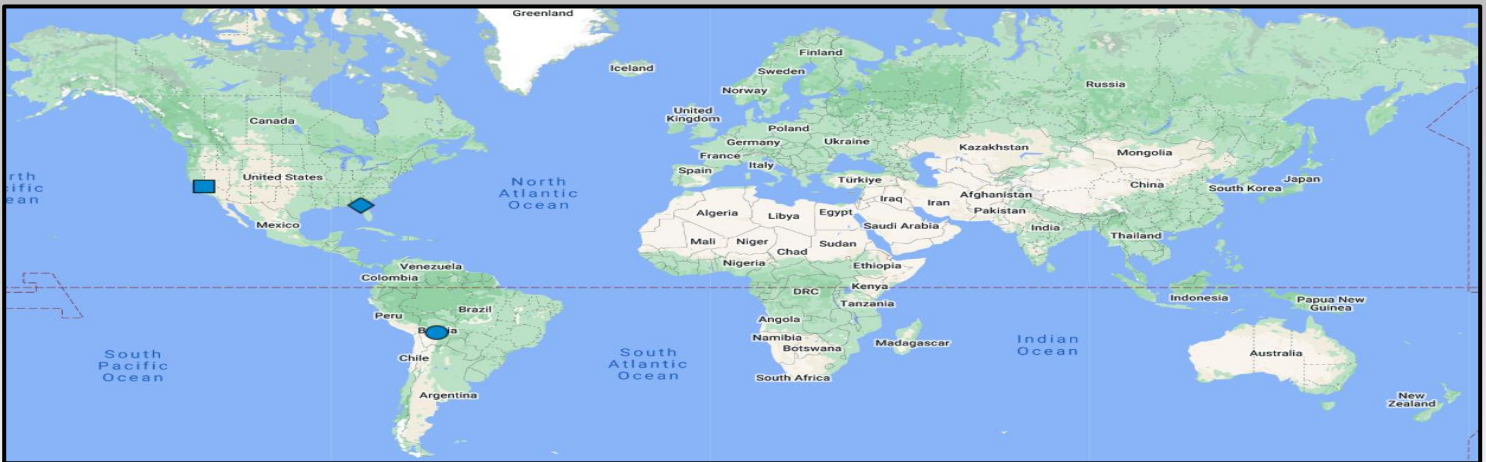
Chronic Wasting Disease

- ◆ **Georgia** has reported its first case of CWD, in a hunter-harvested white-tailed deer in **Lanier County**

[Read More](#)



NEW EVENTS: (events rated > 2)



Highly Pathogenic Avian Influenza H5N9 in the USA

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

① HPAI H5N9, Eurasian lineage goose/Guangdong clade 2.3.4.4b, and HPAI H5N1, clade 2.3.4.4b, were confirmed in a commercial duck premises in Merced County, California. This is the first confirmed case of HPAI H5N9 in poultry in the United States.

[Read More](#)

Avg. Rating	3.0
No. of Signal	1
No. of Ratings	3

Chronic Wasting Disease in Georgia, USA

Pathogen: prion; **Transmission:** direct contact, environment (soil, food, water); **Species affected in event:** deer

① Georgia has reported its first case of CWD in the state, in a hunter-harvested white-tailed deer in Lanier County. The 2.5-year-old buck was found on private land and sampled as part of routine surveillance.

[Read More](#)

Avg. Rating	3.0
No. of Signal	1
No. of Ratings	3

Chapare hemorrhagic fever in Bolivia

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

① On January 7, 2025, Bolivia reported a laboratory-confirmed case of Chapare virus infection in an adult male (50-60 years old) from La Paz Department. The patient developed symptoms (fever, headache, muscle pain, joint pain, and bleeding gums) on December 19, 2024 and passed away on December 30, 2024. An epidemiological investigation revealed a severe rodent infestation in and around the patient's home. As of January 13, 2025, no secondary cases have been reported, and all identified contacts remain asymptomatic. The virus was first identified in 2003 in Bolivia and has been associated with five documented outbreaks to date, all occurring within the country.

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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	<u>No. of Signals: 31</u>	<u>No. of weeks in report: 152</u>	<u>Avg. Rating: 1.5 - 3.0</u>
<ul style="list-style-type: none"> • Canada has not reported any outbreaks of HPAI over the last week • In Ontario, HPAI has been detected in two snowy owls found dead in Toronto in late 2024; HPAI has also been reported in 10 birds at a wildlife rehab in Amherstburg • Over the last week, the USDA has reported outbreaks of HPAI in commercial poultry in: Ohio(10), Missouri(7), Maryland(2), Arkansas(2), Georgia(1), Washington(1), Virginia(1), Minnesota(1), and Indiana(1); in WOAHP poultry in: Illinois(1); in WOAHP non-poultry in: Oregon(1), California(1), Massachusetts(1), Vermont(1), Rhode Island(1), and Connecticut(1) • As of January 24, 2025, the USDA has reported influenza A (H5N1) in 944 dairy herds across 16 states; Nevada(1), Wyoming(1), North Carolina(1), Ohio(1), Oklahoma(2), Kansas(4), South Dakota(7), Minnesota(9), New Mexico(9), Iowa(13), Utah(13), Texas(27), Michigan(30), Idaho(35), Colorado(64), and California(727); the recent outbreaks were reported from California(15) • Additional states have enrolled in the National Milk Testing Strategy, bringing the total number of participating states to 36 • A cat in Washington County, Oregon, with a history of exposure to wild waterfowl, recently tested positive for HPAI H5N1 • In Virginia, the Richmond Zoo has reported HPAI H5 positives in deceased cranes • Mexico has reported additional cases of HPAI H5N1 in wild birds as well some large Canada and Snow Goose mortality events • Wastewater surveillance dashboards for influenza can be found at the CDC and Stanford University's WastewaterSCAN 			
Highly Pathogenic Avian Influenza in Europe	<u>No. of Signals: 18</u>	<u>No. of weeks in report: 208</u>	<u>Avg. Rating: 1.4 - 2.4</u>
<ul style="list-style-type: none"> • Norway has reported HPAI H5N5 in an otter in Troms observed in mid-October 2024 • The UK, Poland, and Germany have reported outbreaks of HPAI H5N1 in domestic poultry • The Netherlands, Austria, Poland, Romania, Italy, Germany, and Hungary have reported cases of HPAI H5N1 in wild birds • France has reported HPAI in captive birds • A summary of the overall HPAI situation in Europe is available here 			
Highly Pathogenic Avian Influenza in South America	<u>No. of Signals: 01</u>	<u>No. of weeks in report: 81</u>	<u>Avg. Rating: 2.0</u>
<ul style="list-style-type: none"> • Colombia has reported eight outbreaks of HPAI H5N1 in domestic backyard poultry from November-December 2024 			
Highly Pathogenic Avian Influenza in Africa	<u>No. of Signals: 02</u>	<u>No. of weeks in report: 76</u>	<u>Avg. Rating: 2.0</u>
<ul style="list-style-type: none"> • Nigeria has reported outbreaks of HPAI H5N1 in domestic poultry in Rivers state and Katsina 			
Highly Pathogenic Avian Influenza in Asia	<u>No. of Signals: 11</u>	<u>No. of weeks in report: 172</u>	<u>Avg. Rating: 1.5 - 2.0</u>
<ul style="list-style-type: none"> • Japan, South Korea, Israel, and India have reported outbreaks of HPAI H5N1 in domestic poultry • Israel has reported HPAI H5N1 in wild birds 			

SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

African Swine Fever

- ◆ Pre-print: Identifying control strategies to eliminate African swine fever from the United States swine industry in under 12 months [Read More](#)
- ◆ An update on active and passive surveillance for African swine fever in the Dominican Republic [Read More](#)

Influenza

- ◆ Association of poultry vaccination with interspecies transmission and molecular evolution of H5 subtype avian influenza virus [Read More](#)
- ◆ The threat of avian influenza H5N1 looms over global biodiversity [Read More](#)
- ◆ Pre-print: Susceptibility of bovine respiratory and mammary epithelial cells to avian and mammalian derived clade 2.3.4.4b H5N1 highly pathogenic avian influenza viruses [Read More](#)
- ◆ Replication kinetics, pathogenicity and virus-induced cellular responses of cattle-origin influenza A(H5N1) isolates from Texas, United States [Read More](#)
- ◆ Characterization of novel highly pathogenic avian influenza A(H5N6) clade 2.3.4.4b virus in wild birds, East China, 2024 [Read More](#)
- ◆ Diversity of the H9N2 Avian Influenza Virus in Shandong Province, China [Read More](#)
- ◆ Geographical distribution and evolutionary dynamics of H4Nx avian influenza viruses [Read More](#)
- ◆ Phylogeography and biological characterization of H12N2 virus isolated from whooper swan in Central China [Read More](#)
- ◆ PAHO Epidemiological Update Avian Influenza A(H5N1) in the Americas Region [Read More](#)

Vectors and Vector Borne Diseases

- ◆ Addressing the emerging threat of Oropouche virus: implications and public health responses for healthcare systems [Read More](#)
- ◆ Human neuroinvasive Toscana virus infections in Italy from 2016 to 2023: Increased incidence in 2022 and 2023 [Read More](#)
- ◆ Epidemiological analysis and potential factors affecting the 2022–23 Crimean-Congo hemorrhagic fever outbreak in Iraq [Read More](#)
- ◆ Infection by Tickborne Bacterium Candidatus Midichloria Associated with First Trimester Pregnancy Loss, Tennessee, USA [Read More](#)
- ◆ Early insights of dengue virus serotype 3 (DENV-3) re-emergence in São Paulo, Brazil [Read More](#)

Other

- ◆ Henipavirus in Northern Short-Tailed Shrew, Alabama, USA [Read More](#)
- ◆ A human pathogenic hantavirus circulates and is shed in taxonomically diverse rodent reservoirs [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 28/01/2025 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 18 - 24 January 2025, week 4 [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.