

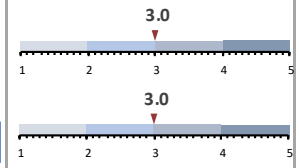
SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

Highly Pathogenic Avian Influenza

- ◆ **Canada** has reported HPAI H5N5 in two dead raccoons found in **Queens, Prince Edward Island**; the virus contains wholly Eurasian genome segments
- ◆ **Chile** continues to report findings of dead marine mammals; nearly 9,000 sea lions, penguins, otters, and small cetaceans have died due to HPAI along **Chile's north coast**

[Read More](#)

[Read More](#)



NEW EVENTS: (events rated > 2)



Vesicular stomatitis in California

Pathogen: virus; **Transmission:** direct contact, vector; **Species affected in event:** equine

Ⓞ On May 17, a horse in San Diego County, California, was confirmed positive for VSV. Since the initial case, there have been 15 new VSV-affected equine premises identified in San Diego and Riverside counties. Four new horses have been confirmed positive, and 11 horses are exposed. In Riverside County, there are two positive horses and two suspected premises. In San Diego County, there are two new positive cases and nine new suspected premises. To date, all positive cases have been vesicular stomatitis New Jersey virus serotype.

[Read More](#)

Avg. Rating	2.3 - 2.5
No. of Signal	3
No. of Ratings	2 - 3

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America

No. of Signals: 06

No. of weeks in report: 71

Avg. Rating: 2.0 – 3.0

- [Canada](#) has reported HPAI H5N5 in two dead raccoons found in Queens, Prince Edward Island; the virus contains wholly Eurasian genome segments
- [Canada](#) has not reported any outbreaks of HPAI H5N1 in domestic poultry over the past week
- The [USDA](#) has not reported any outbreaks of HPAI H5N1 in domestic poultry over the past week
- The [USDA](#) has updated their list of mammals infected with HPAI H5, with the total now 191
- California Condor HPAI response [update](#) – HPAI vaccination trials began with 20 vultures and eight controls, too early to detect effectiveness of vaccine

Highly Pathogenic Avian Influenza in South America

No. of Signals: 13

No. of weeks in report: 27

Avg. Rating: 2.0 – 3.0

- [Chile](#) continues to report findings of dead marine mammals; nearly 9,000 sea lions, penguins, otters, and small cetaceans have died due to HPAI along Chile's north coast
- [Paraguay](#) has reported its first outbreaks of HPAI H5 in backyard poultry
- [Brazil](#) has reported additional cases of HPAI H5N1 in wild birds
- [Brazil](#) has also declared a state of emergency due to the HPAI findings in wild birds in an effort to prevent the disease from reaching commercial poultry
- [Argentina](#) and [Uruguay](#) have reported HPAI H5 in domestic poultry

Bovine Spongiform Encephalopathy in the USA

No. of Signals: 07

No. of weeks in report: 26

Avg. Rating: 2.3 – 2.8

- The beef cow that was confirmed positive for atypical BSE last week in South Carolina was traced back to a herd in [Tennessee](#); additional information identifies the cow as 9 years old and classifies the atypical BSE as L-type

Influenza A in Brazil

No. of Signals: 02

No. of weeks in report: 02

Avg. Rating: 2.2 - 2.4

- As of May 24, 2023, [Brazil](#) has not reported any cases of Influenza AH5 in humans; 38 samples collected from people in Espírito Santo and Rio de Janeiro who had contact with birds were negative for the disease and four samples are still awaiting results

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 15

No. of weeks in report: 127

Avg. Rating: 2.0

- The [Czech Republic](#), [France](#), and [Russia](#) have reported outbreaks of HPAI in domestic poultry
- [Serbia](#), [Russia](#), [Estonia](#), [Latvia](#), [Sweden](#), [Hungary](#), [Austria](#), [Switzerland](#), and [Germany](#) have reported HPAI H5N1 in wild birds
- [Belgium](#) has reported HPAI in a red fox
- [France](#) has confirmed its intention to launch an HPAI vaccination program in the autumn following successful tests on duck vaccination that demonstrated satisfactory effectiveness
- A summary of the overall HPAI situation in Europe is available [here](#)

Highly Pathogenic Avian Influenza in Africa

No. of Signals: 03

No. of weeks in report: 45

Avg. Rating: 2.0

- [Guinea](#) has reported HPAI H5N1 in wild birds (terns and pelicans) in a natural park

SCIENTIFIC FINDINGS & REPORTS:

African Swine Fever

- ◆ Unregulated Online Sales are High-risk Sources of Domestic Swine in Canada: Implications for Invasive Wild Pig and African Swine Fever Risk Preparedness [Read More](#)

Influenza

- ◆ Influenza A viruses in gulls in landfills and freshwater habitats in Minnesota, United States [Read More](#)
- ◆ The molecular basis of differential host responses to avian influenza viruses in avian species with differing susceptibility [Read More](#)
- ◆ High proportion of H3 avian influenza virus circulating in chickens-an increasing threat to public health [Read More](#)
- ◆ ECDC - Zoonotic influenza Annual Epidemiological Report for 2022 [Read More](#)

Other

- ◆ Pre-print: A transmission chain linking *Mycobacterium ulcerans* with *Aedes notoscriptus* mosquitoes, possums and human Buruli ulcer cases in southeastern Australia [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.