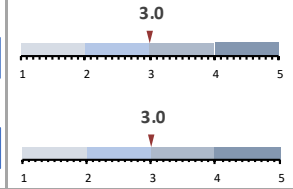


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥3.0)

Highly Pathogenic Avian Influenza

- Over the last week, **Canada** has reported outbreaks of HPAI in commercial poultry in **Alberta** (1) and in non-commercial non-poultry in **Alberta** (1)
- Finland** has reported an additional mink farm infected with HPAI H5N1 in **Alavieska**, a previously unaffected region, bringing the total number of affected farms to 27

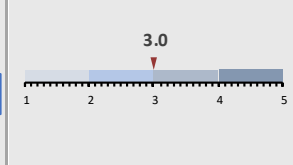
[Read More](#)



Influenza A (H5N6)

- China** has reported an additional human case of avian influenza A (H5N6), in a 68-year-old male living in **Chongqing**, who had exposure to live domestic poultry before the onset of symptoms; from 2014 to date, 87 human cases of avian influenza A(H5N6) have been reported by Mainland health authorities

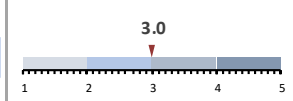
[Read More](#)



Anthrax

- Saskatchewan** has confirmed a case of anthrax in a cow in the rural municipality of **Cote No.271**; anthrax is also suspected in the deaths of two other cattle in the same herd

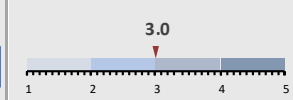
[Read More](#)



West Nile Virus

- Alberta** has reported nine human cases of West Nile virus this year, two in the **Edmonton** area and seven in southern **Alberta**

[Read More](#)



NEW EVENTS: (events rated > 2)



■ Anthrax in Saskatchewan

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

① The Government of Saskatchewan is asking livestock producers to be on the lookout after a case of anthrax was confirmed in the rural municipality (RM) of Cote No. 271. The case was confirmed in one cow by lab results on September 25. Anthrax is also suspected in the deaths of two other cattle in the same herd. The RM of Cote No. 271 is located around 260 kilometers northeast of Regina, near the Manitoba border.

[Read More](#)

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

● *Clostridium chauvoei* in a human in Australia

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

① A woman in Australia has become the third known person to be infected with *Clostridium chauvoei*, which normally causes blackleg disease in cattle and sheep. The 48-year-old woman likely acquired the infection when she was gardening with her bare hands, which were covered in scratches from a pet cat. She is the only human case to survive, likely due to early treatment with antibiotics, prompt surgery, and not having any other health conditions.

[Read More](#)

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

CONTINUED EVENTS: (events rated ≥ 2.4)

- | | | | |
|---|----------------------------------|---|--------------------------------------|
| <u>West Nile Virus in Canada</u> | <u>No. of Signals: 01</u> | <u>No. of weeks in report: 10</u> | <u>Avg. Rating: 3.0</u> |
| <ul style="list-style-type: none"> • Alberta has reported nine human cases of West Nile virus this year, two in the Edmonton area and seven in southern Alberta | | | |
| <u>Influenza A (H5N6) in China</u> | <u>No. of Signals: 02</u> | <u>No. of weeks in report: 46</u> | <u>Avg. Rating: 2.8 - 3.0</u> |
| <ul style="list-style-type: none"> • China has reported an additional human case of avian influenza A (H5N6), in a 68-year-old male living in Chongqing, who had exposure to live domestic poultry before the onset of symptoms; from 2014 to date, 87 human cases of avian influenza A(H5N6) have been reported by Mainland health authorities | | | |
| <u>Highly Pathogenic Avian Influenza in North America</u> | <u>No. of Signals: 04</u> | <u>No. of weeks in report: 84</u> | <u>Avg. Rating: 2.0 - 3.0</u> |
| <ul style="list-style-type: none"> • Over the last week, Canada has reported outbreaks of HPAI in commercial poultry in Alberta (1) and in non-commercial non-poultry in Alberta (1) • The USA has confirmed HPAI H5N1 lineage goose/Guangdong clade 2.3.4.4b in two additional wild harbor seals in Washington • Both Canada and the USA have temporarily suspend the import of live poultry, eggs, and poultry products from France in order to manage potential risks associated with the country's HPAI vaccination campaign | | | |
| <u>Highly Pathogenic Avian Influenza in Europe</u> | <u>No. of Signals: 07</u> | <u>No. of weeks in report: 145</u> | <u>Avg. Rating: 2.0 - 3.0</u> |
| <ul style="list-style-type: none"> • Finland has reported an additional mink farm infected with HPAI H5N1 in Alavieska, a previously unaffected region, bringing the total number of affected farms to 27 • Svalbard and Jan Mayen Islands have reported HPAI H5N5 in wild birds • Wales has reported HPAI H5N1 in wild birds • Denmark has reported HPAI H5N1 in domestic poultry • A summary of the overall HPAI situation in Europe is available here | | | |
| <u>African Swine Fever in Europe</u> | <u>No. of Signals: 18</u> | <u>No. of weeks in report: 150</u> | <u>Avg. Rating: 2.0 - 2.8</u> |
| <ul style="list-style-type: none"> • Sardinia has reported three cases of ASF genotype 2 on a farm in Dorgali, this variant is non-native to Sardinia and is the one currently spreading around Europe and Italy • Sweden has reported a total of 46 cases of ASF in wild boar in Fagersta; it remains unclear how the virus entered the country • Poland, Croatia, Latvia, Hungary, and Romania have reported cases of ASF in wild boar • North Macedonia, Bosnia and Herzegovina, Croatia, Romania, and Russia have reported cases of ASF in domestic swine | | | |
| <u>Highly Pathogenic Avian Influenza in South America</u> | <u>No. of Signals: 02</u> | <u>No. of weeks in report: 45</u> | <u>Avg. Rating: 2.0 - 2.4</u> |
| <ul style="list-style-type: none"> • In Uruguay, dead sea lions with signs of avian influenza have been found and buried in Rocha Province • Brazil has reported additional cases of HPAI H5N1 in wild birds | | | |
| <u>Highly Pathogenic Avian Influenza in Asia</u> | <u>No. of Signals: 04</u> | <u>No. of weeks in report: 111</u> | <u>Avg. Rating: 2.0 - 2.3</u> |
| <ul style="list-style-type: none"> • Israel has reported HPAI H5N1 in captive birds at a mini zoo in Sede Yaaqov, as well as high biosecurity domestic poultry farm in Allonim; the outbreaks are 1.7 km apart and in close proximity to a big water reservoir | | | |

SCIENTIFIC FINDINGS & REPORTS:

Coronavirus

- ◆ Monitoring SARS-CoV-2 Seroprevalence in Domestic and Exotic Animals in Southern France [Read More](#)

Influenza

- ◆ European Food Safety Authority: Avian Influenza overview June - September 2023 [Read More](#)
- ◆ Mass Mortality Event in South American Sea Lions (*Otaria flavescens*) Correlated to Highly Pathogenic Avian Influenza (HPAI) H5N1 Outbreak in Chile [Read More](#)
- ◆ Emergence and Persistent Circulation of Highly Pathogenic Avian Influenza Virus A (H5N8) in Kosovo, May 2021–May 2022 [Read More](#)
- ◆ Development and application of influenza virus wastewater surveillance in Hong Kong [Read More](#)

Vectors and Vector-borne Diseases

- ◆ An *Anaplasma phagocytophilum* T4SS effector, AteA, is essential for tick infection [Read More](#)

Other

- ◆ First detection and molecular characterization of rabbit hemorrhagic disease virus (RHDV) in Algeria [Read More](#)
- ◆ First report of an outbreak of "Q" fever IN an abattoir from Argentina [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.