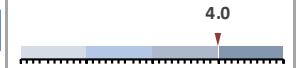


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

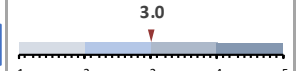
Highly Pathogenic Avian Influenza

- Over the last week, **Canada** has reported outbreaks of HPAI in commercial poultry in: **British Columbia**(20), **Alberta**(1), and **Manitoba**(1); in non-commercial poultry in: **British Columbia**(3), **Saskatchewan**(2) and **Alberta**(1)
- Over the last week, the **USA** has reported outbreaks of HPAI in commercial poultry in: **South Dakota**(4), **Minnesota**(3), and **Missouri**(1); in WOAAH poultry in: **Iowa**(3) and **Montana**(1); in WOAAH non-poultry in: **Utah**(1), **Alaska**(1), **Montana**(1), **Colorado**(1), and **North Dakota**(1)
- Finland** has reported HPAI H5N1 in ten additional fur (fox) farms across five regions after starting surveillance in raccoon and fox kennels; a total of 38 kennels have been examined so far with ten testing positive

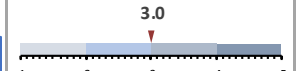
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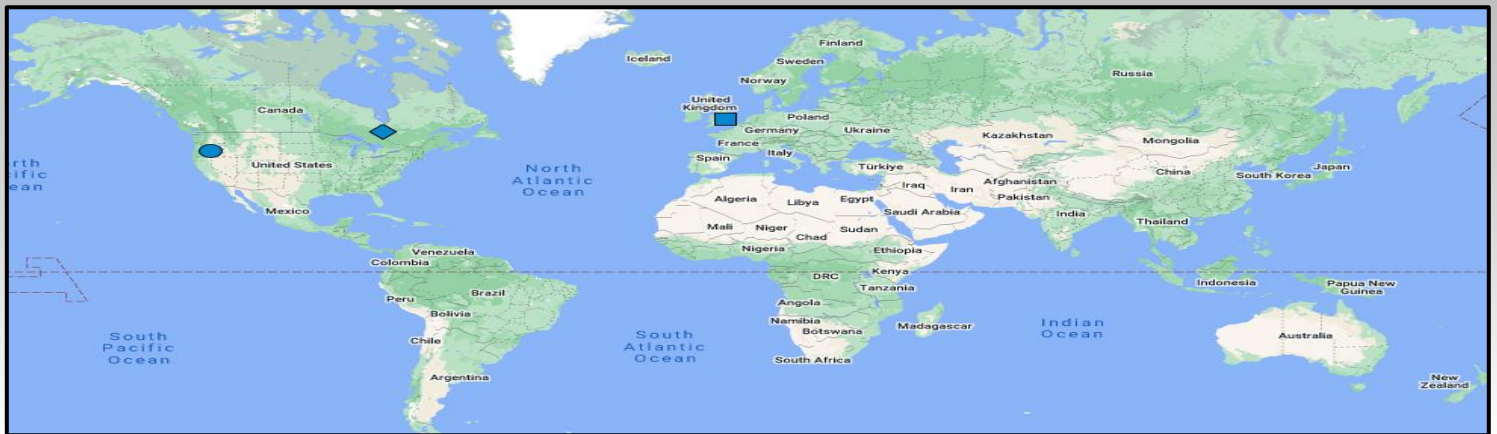
Bluetongue virus

- The **UK** has reported BTV serotype 3 for the first time; a single animal in **Canterbury** tested positive for the virus during routine surveillance

[Read More](#)



NEW EVENTS: (events rated > 2)



Bluetongue virus in Canterbury, UK Pathogen: virus; Transmission: vector; Species affected in event: cattle

① Bluetongue virus serotype 3 has been reported for the first time in the UK. The virus was identified during routine surveillance in a single animal on a cattle farm in Littlebourne, Canterbury. All other cattle on the farm were negative at initial and further testing. No animal displayed any clinical sign of the disease.

[Read More](#)

Avg. Rating	3.0
No. of Signal	1
No. of Ratings	5

Extensively Drug-resistant *Salmonella* in six provinces across Canada Pathogen: bacteria; Transmission: direct contact, fecal-oral; Species affected in event: human

① As of November 11, 2023 there are 40 confirmed cases of XDR *Salmonella* 14, [5], 12:ii- illness in six provinces: Manitoba(1), Ontario(14), Quebec(21), New Brunswick(1), Nova Scotia(2), and Prince Edward Island(1). Individuals became sick between July 2020 and September 2023. To date, two sources have been identified in the investigation: (1) exposure to raw meat prepared for pets (raw pet food) and (2) contact with cattle, particularly calves. However, the outbreak is ongoing and it's possible that additional sources may be identified.

[Read More](#)

Avg. Rating	2.7
No. of Signal	1
No. of Ratings	5

Unknown respiratory disease in Oregon dogs Pathogen: unknown; Transmission: unknown; Species affected in event: canine

① Veterinarians in the Willamette Valley are seeing an increase in dogs sickened with an unknown respiratory illness. The Oregon Department of Agriculture has received 200 written reports from veterinarians so far. It's unclear if the disease has impacted dogs outside the valley or outside the state. The agriculture department said dogs with the disease develop chronic tracheobronchitis or pneumonia. Some dogs developed acute pneumonia that killed them within two days.

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Avg. Rating	2.6
No. of Signal	1
No. of Ratings	5

CONTINUED EVENTS: (events rated ≥ 2.4)

- Highly Pathogenic Avian Influenza in North America** **No. of Signals: 20** **No. of weeks in report: 90** **Avg. Rating: 2.0 - 4.0**
- Over the last week, [Canada](#) has reported outbreaks of HPAI in commercial poultry in: British Columbia(20), Alberta(1), and Manitoba(1); in non-commercial poultry in: British Columbia(3), Saskatchewan(2) and Alberta(1)
 - Over the last week, the [USA](#) has reported outbreaks of HPAI in commercial poultry in: South Dakota(4), Minnesota(3), and Missouri(1); in WOAHP poultry in: Iowa(3) and Montana(1); in WOAHP non-poultry in: Utah(1), Alaska(1), Montana(1), Colorado(1), and North Dakota(1)
 - [Arizona](#) has reported that three birds at Tucson Reid Park Zoo have tested positive for HPAI
 - [California](#) has reported HPAI in three geese at Land Park in Sacramento
- Highly Pathogenic Avian Influenza in Europe** **No. of Signals: 12** **No. of weeks in report: 151** **Avg. Rating: 2.0 - 3.0**
- [Finland](#) has reported HPAI H5N1 in ten additional fur (fox) farms in across five regions after starting surveillance in raccoon and fox kennels; a total of 38 kennels have been examined so far with ten testing positive
 - [Hungary](#) and [Denmark](#) have reported HPAI in domestic birds
 - [Hungary](#), [Romania](#), [Spain](#), and [Sweden](#) have reported HPAI H5N1 in wild birds
 - A summary of the overall HPAI situation in Europe is available [here](#)
- Bluetongue virus in Europe** **No. of Signals: 03** **No. of weeks in report: 05** **Avg. Rating: 2.0 - 2.5**
- BTV (serotype tbd) is spreading in [Sardinia](#) with 75 outbreaks, 1,095 cases, and 166 animals dead across Sassarese, Gallura, Nuorese, Ogliastra, Medio Campidano and Cagliari
 - [Germany](#) has reported additional cases of BTV serotype 3 in cattle on farms in Niedersachsen
- Highly Pathogenic Avian Influenza in Africa** **No. of Signals: 02** **No. of weeks in report: 59** **Avg. Rating: 2.0 - 2.3**
- South Africa has reported additional outbreaks of both HPAI [H5](#) and [H7N6](#) in domestic poultry
- Highly Pathogenic Avian Influenza in South America** **No. of Signals: 03** **No. of weeks in report: 51** **Avg. Rating: 2.0 - 2.2**
- [Brazil](#) has extended its HPAI health emergency for another 180 days due to more detections in wild birds; six new cases of HPAI H5N1 were reported in [wild birds](#), bringing the total cases in wild animals to 145 (138 in wild birds, four in sea lions)
 - [Colombia](#) has reported three outbreaks of HPAI H5 in domestic non-poultry birds
 - The [Falkland Islands](#) have reported their first detection of HPAI, which involved a southern fulmar found dead on a property in Stanley
- Highly Pathogenic Avian Influenza in Asia** **No. of Signals: 01** **No. of weeks in report: 117** **Avg. Rating: 2.0**
- [Japan](#) has reported HPAI H5N1 in wild birds

SCIENTIFIC FINDINGS & REPORTS:

Influenza

- Highly Pathogenic Avian Influenza A(H5N1) Virus Clade 2.3.4.4b Infections in Wild Terrestrial Mammals, United States, 2022 [Read More](#)

Vectors and Vector-borne Disease

- Prevalence of five human pathogens in host-seeking *Ixodes scapularis* and *Ixodes pacificus* by region, state, and county in the contiguous United States generated through national tick surveillance [Read More](#)
- Untargeted metagenomic sequencing identifies Toscana virus in patients with idiopathic meningitis, southern Spain, 2015 to 2019 [Read More](#)

Other

- Policies to prevent zoonotic spillover: a systematic scoping review of evaluative evidence [Read More](#)
- Meta-analysis reveals less sensitivity of non-native animals than natives to extreme weather worldwide [Read More](#)
- SHIC Domestic Disease Monitoring Report – November 2023 [Read More](#)
- SHIC Global Disease Monitoring Report – November 2023 [Read More](#)
- ECDC - Communicable disease threats report, 5 - 11 November 2023, week 45 [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.