

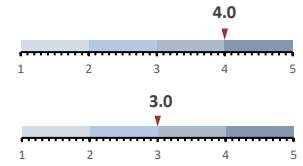
**SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)**

**Highly Pathogenic Avian Influenza**

- Over the last week, **Canada** has reported one outbreak of HPAI in commercial poultry in **Quebec**
- DNA sequencing has shown that the HPAI H5N1 strain reported in the dairy cattle in **Nebraska** matches one from **California**, suggesting the disease was introduced through the movement of cattle into the state

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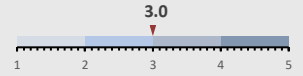
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**Rocky Mountain Spotted Fever**

- Ontario** has confirmed two human cases of RMSF in individuals who reported visiting **Long Point** (the same region where cases in dogs were reported early this summer)

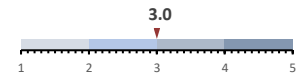
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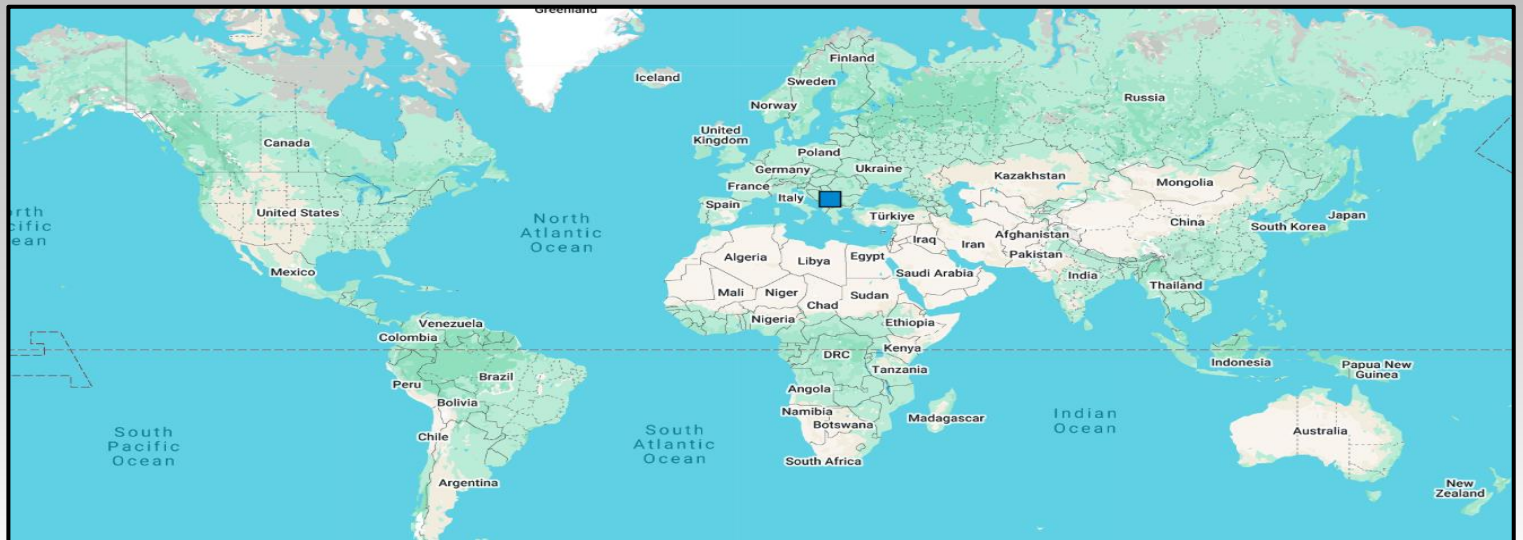
**New World Screwworm**

- Mexico** has confirmed a new case of NWS in **Sabinas Hidalgo**, located in the state of **Nuevo León**, ~125km from the U.S. - Mexico border

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**NEW EVENTS: (events rated > 2)**



**Sheep and goat pox in Serbia**

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

① Serbia has reported its first cases of sheep and goat pox in the country. Two outbreaks were reported in the Raska region, with a total of ten cases, one death, and 50 susceptible animals reported.

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Avg. Rating	2.5
No. of Signal	1
No. of Ratings	4

## CONTINUED EVENTS: (events rated $\geq 2.4$ )

- |  |   |  |   |
|--|---|--|---|
| <p><b><u>Highly Pathogenic Avian Influenza in North America</u></b></p> <ul style="list-style-type: none"> <li>Over the last week, <a href="#">Canada</a> has reported one outbreak of HPAI in commercial poultry in Quebec</li> <li>Over the last week, the <a href="#">USDA</a> has reported outbreaks of HPAI in commercial poultry in: South Dakota(1) and Minnesota(1); and in WOA non-poultry in: Michigan(1)</li> <li><a href="#">Michigan</a> has reported at least a dozen wild birds were found at the Muskegon County wastewater site, with their deaths likely due to HPAI</li> <li>The <a href="#">USDA</a> has reported recent additional detections of HPAI in wild birds across multiple states, including Alaska</li> <li>As of September 22, 2025, the <a href="#">USDA</a> has reported influenza A (H5N1) in 1080 dairy herds across 18 states; Nebraska(1), Wyoming(1), North Carolina(1), Ohio(1), Oklahoma(2), Kansas(4), Arizona(5), South Dakota(7), <a href="#">Minnesota</a>(9), New Mexico(9), Nevada(11), Iowa(13), Utah(13), Texas(30), <a href="#">Michigan</a>(31), <a href="#">Colorado</a>(64), Idaho(107), and California(771); no new outbreaks were reported over the last week</li> <li>DNA sequencing has shown that the HPAI H5N1 strain reported in the dairy cattle in <a href="#">Nebraska</a> matches one from California, suggesting the disease was introduced through the movement of cattle into the state</li> <li>Wastewater surveillance dashboards for influenza can be found at the <a href="#">CDC</a> and Stanford University's <a href="#">WastewaterSCAN</a></li> </ul> | <p><b><u>No. of Signals: 09</u></b></p> | <p><b><u>No. of weeks in report: 184</u></b></p> | <p><b><u>Avg. Rating: 1.3 - 4.0</u></b></p> |
| <p><b><u>Rocky Mountain Spotted Fever in Canada</u></b></p> <ul style="list-style-type: none"> <li><a href="#">Ontario</a> has confirmed two human cases of RMSF in individuals who reported visiting Long Point (the same region where cases in dogs were reported early this summer)</li> </ul>  | <p><b><u>No. of Signals: 01</u></b></p> | <p><b><u>No. of weeks in report: 05</u></b></p>  | <p><b><u>Avg. Rating: 3.0</u></b></p>       |
| <p><b><u>New World Screwworm in Central American and Mexico</u></b></p> <ul style="list-style-type: none"> <li><a href="#">Mexico</a> has confirmed a new case of NWS in Sabinas Hidalgo, located in the state of Nuevo León, ~125km from the U.S. - Mexico border</li> <li><a href="#">Mexico</a> has confirmed a total of 49 human cases of NWS myiasis, along with three deaths in individuals who had other chronic health conditions</li> <li>Mexico has released an interactive <a href="#">dashboard</a> on the current NWS situation in animals across the country</li> </ul>  | <p><b><u>No. of Signals: 04</u></b></p> | <p><b><u>No. of weeks in report: 38</u></b></p>  | <p><b><u>Avg. Rating: 2.0 - 3.0</u></b></p> |
| <p><b><u>Ebola in the Democratic Republic of the Congo</u></b></p> <ul style="list-style-type: none"> <li>As of September 14, 2025, a total of 54 cases, including 27 deaths (CFR 50.0%) have been reported from <a href="#">Bulape Health Zone</a> in the DRC</li> </ul>  | <p><b><u>No. of Signals: 02</u></b></p> | <p><b><u>No. of weeks in report: 03</u></b></p>  | <p><b><u>Avg. Rating: 2.0 - 2.6</u></b></p> |
| <p><b><u>Lumpy Skin Disease in Europe</u></b></p> <ul style="list-style-type: none"> <li><a href="#">France</a> has reported an outbreak of LSD in Rhône, outside the restricted zone and &gt;100km away from the previous outbreaks reported in Ain; the total number of outbreaks is now 79, across four regions: Savoie (32), Haute-Savoie (44), Ain (2), and Rhône (1)</li> <li><a href="#">Italy</a> has reported additional outbreaks of LSD in Sardinia, bringing the total number of outbreaks to 64</li> </ul>  | <p><b><u>No. of Signals: 03</u></b></p> | <p><b><u>No. of weeks in report: 12</u></b></p>  | <p><b><u>Avg. Rating: 2.0 - 2.5</u></b></p> |
| <p><b><u>Highly Pathogenic Avian Influenza in Europe</u></b></p> <ul style="list-style-type: none"> <li><a href="#">Poland</a> and <a href="#">Spain</a> have reported outbreaks of HPAI H5N1 in domestic poultry</li> <li><a href="#">Norway</a> has reported HPAI in wild birds</li> <li>EFSA and the European Commission have launched a <a href="#">#NoBirdFlu toolkit</a> to strengthen farm biosecurity</li> <li>A summary of the overall HPAI situation in Europe is available <a href="#">here</a></li> </ul>  | <p><b><u>No. of Signals: 05</u></b></p> | <p><b><u>No. of weeks in report: 241</u></b></p> | <p><b><u>Avg. Rating: 2.0</u></b></p>       |
| <p><b><u>Highly Pathogenic Avian Influenza in Asia</u></b></p> <ul style="list-style-type: none"> <li><a href="#">Taiwan</a> has reported an outbreak of HPAI H5N1 in a layer farm in Changhua County</li> </ul>   | <p><b><u>No. of Signals: 01</u></b></p> | <p><b><u>No. of weeks in report: 206</u></b></p> | <p><b><u>Avg. Rating: 2.0</u></b></p>       |

## SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

### Bovine Spongiform Encephalopathy

- ◆ Infectious prions in brains and muscles of domestic pigs experimentally challenged with the BSE, scrapie, and CWD agents [Read More](#)

### Foot and Mouth Disease

- ◆ Epidemiologic consequences of preclinical transmission of foot-and-mouth disease virus in cattle [Read More](#)
- ◆ Opportunities for machine learning to predict cross-neutralization in FMDV serotype O [Read More](#)

### Influenza

- ◆ Highly pathogenic avian influenza A H5N1 virus infection in an immunocompromised domestic cat [Read More](#)
- ◆ Outbreak of highly pathogenic avian influenza a(H5N1) among house cats: A case series involving oseltamivir treatment [Read More](#)
- ◆ Effect of Seasonal Influenza Vaccines on Avian Influenza A(H5N1) Clade 2.3.4.4b Virus Infection in Ferrets [Read More](#)
- ◆ Detection of clade 2.3.4.4b H5N1 high pathogenicity avian influenza virus in a sheep in Great Britain, 2025 [Read More](#)
- ◆ Pigeons exhibit low susceptibility and poor transmission capacity for H5N1 clade 2.3.4.4b high pathogenicity avian influenza virus [Read More](#)
- ◆ Genomic surveillance and evolution of co-circulating avian influenza H5N1 and H5N8 viruses in Egypt, 2022-2024 [Read More](#)
- ◆ FAO - Global strategy for the prevention and control of high pathogenicity avian influenza (2024–2033) [Read More](#)

### Vectors and Vector Borne Diseases

- ◆ Canine Spotted Fever Group Rickettsial Seroprevalence as an Indicator for Human Rocky Mountain Spotted Fever Case Rates in Arizona, USA [Read More](#)
- ◆ A review on the role of birds as disseminators of ticks, with special emphasis on Hyalomma species and Crimean-Congo haemorrhagic fever virus [Read More](#)
- ◆ Oropouche virus efficiently replicates and is immunostimulatory in vivo in nonhuman primate species [Read More](#)
- ◆ Current status of severe fever with thrombocytopenia syndrome in China (Review) [Read More](#)

### Other

- ◆ Six Cases of Borealex and Evidence of a Zoonotic Source—Alaska, 2020–2023 [Read More](#)
- ◆ First comparative proteomic and *in vitro* behavioral study of *Echinococcus granulosus* metacestodes in *Felis catus* [Read More](#)
- ◆ New York Global Health Update Report - 09/18/2025 [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 23/09/2025 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 13 - 19 September 2025, week 38 [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.