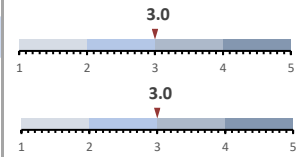


## SUMMARY: RELEVANT SIGNALS (includes all signals rated $\geq 3.0$ )

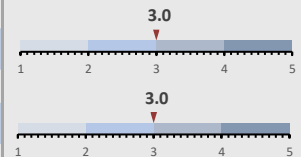
### Lumpy Skin Disease

- ◆ **France** has reported additional outbreaks of LSD, bringing the total number of outbreaks to 33 (17 in **Chambery** and 16 in **Annecy**), however all are still within the same general area [Read More](#)
- ◆ In **France**, ~200 people have mobilized to support a farmer who is refusing to slaughter his cattle heard due to positive cases of LSD [Read More](#)



### Highly Pathogenic Avian Influenza

- ◆ **Canada** has reported additional cases of HPAI H5N5 in mammals (red fox, raccoon, skunk, and cat) in Atlantic Canada; these cases are from early 2025 [Read More](#)
- ◆ As of June 30, 2025, CFIA laboratories have tested 4,544 samples of raw milk from trucks arriving at processing plants in all provinces across **Canada**; all samples have tested negative [Read More](#)



## NEW EVENTS: (events rated $> 2$ )

No new events to report this week

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

### Lumpy Skin Disease in Europe

**No. of Signals: 03**

**No. of weeks in report: 05**

**Avg. Rating: 2.7 - 3.0**

- [France](#) has reported additional outbreaks of LSD, bringing the total number of outbreaks to 33 (17 in Chambéry and 16 in Annecy), however all are still within the same general area
- In [France](#), ~200 people have mobilized to support a farmer who is refusing to slaughter his cattle heard due to positive cases of LSD
- [Italy](#) has reported a total of 29 outbreaks of LSD; 28 in Sardinia and 1 in Lombardy

### Highly Pathogenic Avian Influenza in North America

**No. of Signals: 07**

**No. of weeks in report: 176**

**Avg. Rating: 2.0 - 3.0**

- [Canada](#) has not reported any outbreaks of HPAI in domestic poultry over the past week
- [Canada](#) has reported additional cases of HPAI H5N5 in mammals (red fox, raccoon, skunk, and cat) in Atlantic Canada; these cases are from early 2025
- [Canada](#) has also reported additional cases of HPAI H5N1 in mammals (red foxes, skunks, a bobcat, and mink) across the country; these cases are also from early 2025
- As of June 30, 2025, CFIA laboratories have tested 4,544 samples of raw milk from trucks arriving at processing plants in all provinces across [Canada](#); all samples have tested negative
- In [British Columbia](#), the Federal Appeal Court has reserved its judgement on the Universal Ostrich Farm's appeal of the earlier court decision (Mid June) that CFIA's response was procedurally fair and could proceed
- The [USDA](#) has not reported any outbreaks of HPAI in domestic poultry over the past week
- As of July 21, 2025, the [USDA](#) has reported influenza A (H5N1) in 1075 dairy herds across 17 states; Wyoming(1), North Carolina(1), Ohio(1), Oklahoma(2), Kansas(4), Arizona(5), South Dakota(7), [Minnesota](#)(9), New Mexico(9), Nevada(11), Iowa(13), Utah(13), Texas(29), [Michigan](#)(31), [Colorado](#)(64), Idaho(107), and California(768); no additional outbreaks were reported over the last week
- The [USDA](#) has updated its HPAI in mammals list, with recent detections of HPAI H5/H5N1 in a harbour seal in Maine, a cat in Oregon, and a raccoon in Texas
- Wastewater surveillance dashboards for influenza can be found at the [CDC](#) and Stanford University's [WastewaterSCAN](#)

### Theileriosis (*T. orientalis* Ikeda) in the USA

**No. of Signals: 01**

**No. of weeks in report: 03**

**Avg. Rating: 2.8**

- [Iowa](#) has now confirmed four cases of Theileriosis, with a suspected fifth, in cattle in the southeast corner of the state, along with findings of the Asian Longhorned Tick

### West Nile Virus in Canada

**No. of Signals: 02**

**No. of weeks in report: 15**

**Avg. Rating: 2.7 - 2.8**

- In Ontario, WNV has been reported in a dead crow in [Guelph](#) as well as a American crow in [East Ferris](#)

### Influenza A(H5) in Bangladesh

**No. of Signals: 01**

**No. of weeks in report: 05**

**Avg. Rating: 2.3**

- On May 31, 2025, [Bangladesh](#) notified WHO of one confirmed human case of avian influenza A(H5) in a child in Chittagong division detected through hospital-based surveillance; the child reported previous exposure to poultry and has since recovered

### Influenza A(H5N1) in India

**No. of Signals: 01**

**No. of weeks in report: 04**

**Avg. Rating: 2.3**

- [India](#) has reported a human case of avian influenza A (H5N1) clade 2.3.2.1a; the case was detected in a sample collected from a man in Karnataka in May 2025, who subsequently died

### Highly Pathogenic Avian Influenza in South America

**No. of Signals: 03**

**No. of weeks in report: 93**

**Avg. Rating: 2.2 - 2.3**

- [Brazil](#) has reported an additional outbreak of HPAI H5N1 in a backyard flock in Quixeramobim as well as a wild bird in Barueri
- [Argentina](#) has reported an outbreak of HPIA H5 in a backyard flock in Lezama, Buenos Aires

### Highly Pathogenic Avian Influenza in Europe

**No. of Signals: 08**

**No. of weeks in report: 232**

**Avg. Rating: 2.0 - 2.2**

- The [Czech Republic](#) and [Spain](#) have reported HPAI H5N1 in domestic poultry
- [England](#) and [Wales](#) have reported HPAI H5N1 in wild birds
- [Norway](#) and [Russia](#) have reported HPAI (H5 or untyped) in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

### Highly Pathogenic Avian Influenza in Asia

**No. of Signals: 01**

**No. of weeks in report: 197**

**Avg. Rating: 2.0**

- [India](#) has reported HPAI H5N1 in domestic poultry in Puri district, Odisha

## SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

### Coronavirus

- ◆ Coronaviruses in wild rodent and eulipotyphlan small mammals: a review of diversity, ecological implications and surveillance considerations [Read More](#)

### Foot and Mouth Disease

- ◆ Interferon-stimulated gene MCL1 inhibits foot-and-mouth disease virus replication by modulating mitochondrial dynamics and autophagy [Read More](#)

### Influenza

- ◆ Spatiotemporal reconstruction of the North American A(H5N1) outbreak reveals successive lineage replacements by descendant reassortants [Read More](#)
- ◆ The impact of highly pathogenic avian influenza H5N1 virus infection on dairy cows [Read More](#)
- ◆ A live attenuated NS1-deficient vaccine candidate for cattle-origin influenza A (H5N1) clade 2.3.4.4.b viruses [Read More](#)
- ◆ Susceptibility and shedding in Mx1+ and Mx1- female mice experimentally infected with dairy cattle A(H5N1) influenza viruses [Read More](#)
- ◆ Pre-print: Co-circulation of distinct high pathogenicity avian influenza virus (HPAIV) subtypes in a mass mortality event in wild seabirds and co-location with dead seals [Read More](#)
- ◆ Predictiveness and drivers of highly pathogenic avian influenza outbreaks in Europe [Read More](#)
- ◆ Avian influenza virus dynamics in poultry and the environment: an eight-year longitudinal study in the southwestern Poyang Lake region of China [Read More](#)
- ◆ Viral tropism is a cornerstone in the spread and spillover of avian influenza viruses [Read More](#)
- ◆ Clinical features of a fatal case of acute encephalitis associated with a novel influenza H3N2 recombinant virus possessing human-origin H7N9 internal genes: a descriptive study [Read More](#)
- ◆ WHO - Influenza at the human-animal interface - Summary and risk assessment, from 28 May to 1 July 2025 [Read More](#)

### Vectors and Vector-borne Diseases

- ◆ Evidence of Crimean-Congo hemorrhagic fever virus in livestock and wildlife in Northeastern Portugal [Read More](#)
- ◆ Vertical transmission in field-caught mosquitoes identifies a mechanism for the establishment of Usutu virus in a temperate country [Read More](#)
- ◆ First detection of Sindbis virus in wild birds in Nigeria [Read More](#)

### Other

- ◆ Coding complete sequences of the 10 genomic segments of a mammalian orthoreovirus type 3 isolated from a Blarina peninsulae shrew [Read More](#)
- ◆ New York State - Global Health Update Report - 07/17/2025 [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 22/07/2025 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 12 – 18 July 2025, week 29 [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.