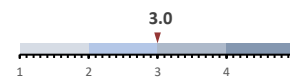


## SUMMARY: RELEVANT SIGNALS (includes all signals rated $\geq 3.0$ )

### African Swine Fever

- Spain has confirmed 13 cases of ASF in wild boars in a 6km radius in **Barcelona**; sequencing has shown most similarity to the Georgia 2007 strain which is not currently circulating in other EU member states, but is used in experimental studies and vaccine evaluation – suggesting the potential origins may be from a containment laboratory

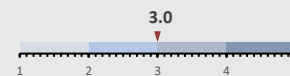
[Read More](#)



### Highly Pathogenic Avian Influenza

- Over the last week, **Canada** has reported outbreaks of HPAI in commercial poultry in: **British Columbia**(1), **Saskatchewan**(1), and **Manitoba**(1); in non-commercial poultry in: **British Columbia**(1); and in non-commercial poultry (premises classification to be determined) in: **Alberta**(1)
- Southern **Manitoba** has reported a mortality event involving dozens of dead geese in the town of **Niverville**, with the cause attributed to HPAI

[Read More](#)



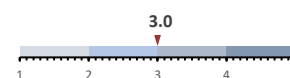
[Read More](#)



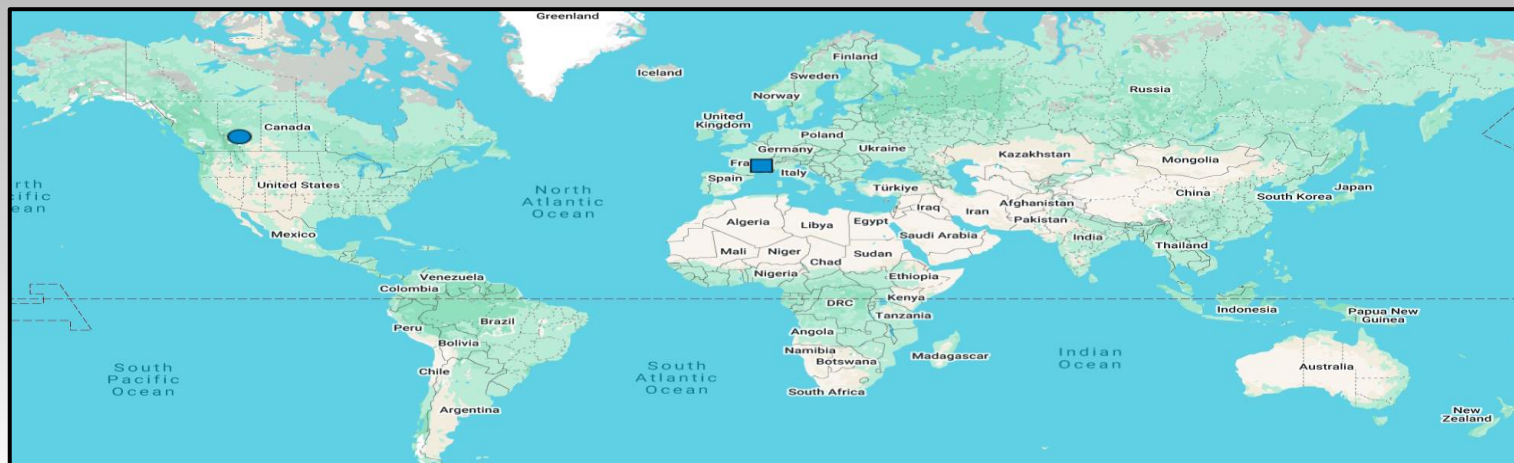
### Middle East Respiratory Syndrome Coronavirus

- France** has reported two imported cases of MERS-CoV in two men in their 70's who travelled to **Oman**, where they consumed camel meat and visited a live-market; no secondary cases have been identified so far

[Read More](#)



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



### ■ Middle East Respiratory Syndrome Coronavirus in France (ex. travellers from Oman)

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

① On December 3, 2025, France reported two imported cases of MERS-CoV with a travel history to the Arabian Peninsula. The two affected individuals were identified as men in their 70's, who had travelled to Oman on a group trip of 35 people. In Oman, they were reported to have eaten camel meat and visited a live market. The first case was confirmed in Lyon (Rhône), while the second case was identified in Poitiers (Vienne) in an asymptomatic individual who had contact with the first patient. Contact tracing of the other travellers has not identified any secondary cases so far.

[Read More](#)

[Read More](#)

Avg. Rating	2.4 - 3.0
No. of Signal	3
No. of Ratings	2 - 6

### ● Tick Borne Encephalitis in Canada (ex. traveller from Czech Republic)

**Pathogen:** virus; **Transmission:** vector, ingestion (unpasteurized milk); **Species affected in event:** human

① In Calgary, Alberta, a 70-year-old man was diagnosed with TBE after returning from travelling to the Czech Republic and Georgia. The infection was confirmed by PCR from blood with subsequent seroconversion, and a positive European Lyme immunoblot. There was no reported/known tick bite. TBE is endemic throughout the Czech Republic, and the country consistently reports some of the highest TBE incidence rates in Europe.

[Read More](#)

Avg. Rating	2.5
No. of Signal	1
No. of Ratings	2

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

### Highly Pathogenic Avian Influenza in North America

**No. of Signals: 08**

**No. of weeks in report: 195**

**Avg. Rating: 2.0 - 3.0**

- Over the last week, [Canada](#) has reported outbreaks of HPAI in commercial poultry in: British Columbia(1), Saskatchewan(1), and Manitoba(1); in non-commercial poultry in: British Columbia(1); and in non-commercial poultry (premises classification to be determined) in: Alberta(1)
- [Southern Manitoba](#) has reported a mortality event involving dozens of dead geese in the town of Niverville, with the cause attributed to HPAI; HPAI has also been reported in wild birds around [Portage la Prairie](#)
- [Ontario](#) has reported HPAI in geese in Woodstock
- Over the last week, the [USDA](#) has reported outbreaks of HPAI in commercial poultry in: Indiana(6), Iowa(1), and North Carolina(1) ; in WOA poultry in: Indiana(4), Illinois(1), Vermont(1), and North Dakota(1) ; in WOA non-poultry in: Washington(2), Maine(1), Wisconsin(1), Texas(1), North Dakota(1), Florida(1), and Nevada(1); and in an animal rescue centre in: Texas(1)
- As of December 8, 2025, the [USDA](#) has reported influenza A (H5N1) in 1083 dairy herds across 18 states; Nebraska(1), 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(30), [Michigan](#)(31), [Colorado](#)(64), Idaho(108), and California(773); no new outbreaks were reported last week
- In [Wisconsin](#), since April 2024, there have been 8,963 raw milk samples tested for Influenza A for inter- and intrastate animal movement; there have been zero positives
- Wastewater surveillance dashboards for influenza can be found at the [CDC](#) and Stanford University's [WastewaterSCAN](#)

### African Swine Fever in Europe

**No. of Signals: 16**

**No. of weeks in report: 165**

**Avg. Rating: 2.0 - 3.0**

- [Spain](#) has confirmed 13 cases of ASF in wild boars in a 6km radius in Barcelona; [sequencing](#) has shown most similarity to the Georgia 2007 strain which is not currently circulating in other EU member states, but is used in experimental studies and vaccine evaluation – suggesting the potential origins may be from a containment laboratory
- [Estonia](#), [Ukraine](#), [Moldova](#), [Poland](#), and [Hungary](#) have also reported cases of ASF in wild boar

### Influenza A (H1N1) in China

**No. of Signals: 01**

**No. of weeks in report: 76**

**Avg. Rating: 2.6**

- [China's](#) drug resistance analysis on some influenza virus strains collected since March 31, 2025, showed that 3.9% (31/792) of the A(H1N1)pdm09 subtype influenza virus strains had reduced or highly reduced sensitivity to neuraminidase inhibitors

### Highly Pathogenic Avian Influenza in Europe

**No. of Signals: 24**

**No. of weeks in report: 252**

**Avg. Rating: 2.0 - 2.5**

- [England](#), [Ireland](#), [Italy](#), [Bulgaria](#), the [Netherlands](#), [Portugal](#), [Poland](#), and [Germany](#) have reported outbreaks of HPAI in domestic poultry
- [Wales](#), [Finland](#), [Lithuania](#), [Sweden](#), [Italy](#), [Poland](#), the [Czech Republic](#), [Spain](#), and [Germany](#) have reported HPAI in wild birds
- The [Netherlands](#) have reported HPAI H5N1 in a kitten at a location that also held dairy goats; three adult cats and the goats have tested negative, however seven other kittens from the litter, that had gone to new owners, also died (likely due to HPAI)
- [France](#) has reported HPAI in a fox in Saint-Gilles
- A summary of the overall HPAI situation in Europe is available [here](#)

### New World Screwworm in Central America & Mexico

**No. of Signals: 05**

**No. of weeks in report: 45**

**Avg. Rating: 2.0 - 2.5**

- [Mexico](#) has reported a third case of NWS infestation in Nuevo Leon, again in a bovine imported from a southern affected region (Veracruz)
- [Mexico](#) has also reported a 5.2% increase in NWS cases in animals over the past eleven days, with [11,667 total cases and 931 active cases](#)
- [Mexico](#) has also reported additional human cases of NWS infestation, bringing the total number to 97 (Chiapas = 81, Campeche = 3, Tabasco = 2, Yucatan = 6, Oaxaca = 2, and QuintanaRoo = 3)
- The [FDA](#) has conditionally approved Exzolt Cattle-CA1 (fluralaner) topical solution for the prevention and treatment of NWS larval infestations

### Sheep and Goat Pox in Europe

**No. of Signals: 02**

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

**Avg. Rating: 2.0 - 2.5**

- [Greece](#) continues to report cases of SGP, with almost 500,000 sheep and goats culled, potentially affecting the global supply of feta cheese
- [Romania](#) has also recently reported cases of SGP

### Vesicular Stomatitis in the USA

**No. of Signals: 01**

**No. of weeks in report: 11**

**Avg. Rating: 2.4**

- In [Arizona](#), the two initial VSV affected premises in Cochise County have been released from quarantine, and two new cases have been reported, including one case in Gila County and one in Santa Cruz County

### Tularemia in Canada

**No. of Signals: 01**

**No. of weeks in report: 02**

**Avg. Rating: 2.4**

- [Quebec](#) has recently reported suspected cases of tularemia in hares and beavers on the North Shore and in the Mauricie region

### Highly Pathogenic Avian Influenza in Asia

**No. of Signals: 06**

**No. of weeks in report: 216**

**Avg. Rating: 2.0 - 2.2**

- [Iraq](#) and [Japan](#) have reported HPAI in domestic poultry
- [South Korea](#) and [Japan](#) have reported HPAI H5N1 in wild birds

### Highly Pathogenic Avian Influenza in South America

**No. of Signals: 01**

**No. of weeks in report: 101**

**Avg. Rating: 2.1**

- [Colombia](#) has reported HPAI H5N1 in domestic backyard birds from early November 2025

### Highly Pathogenic Avian Influenza in Central America & the Caribbean

**No. of Signals: 02**

**No. of weeks in report: 02**

**Avg. Rating: 2.0 - 2.1**

- The [Cayman Islands](#) have reported HPAI H5N1 in domestic poultry
- [Guatemala](#) has reported HPAI H5N1 in domestic poultry (fattening birds) from early November 2025

## SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

### Coronavirus

- ◆ Local and introduced lineages drive MERS-CoV recombination in Egyptian camels [Read More](#)

### Influenza

- ◆ Genomic diversity and reassortment of highly pathogenic avian influenza A/H5N1 virus (clade 2.3.4.4b) in Brazil: Evidence of multiple introductions and intra-epidemic reassortment in 2025 [Read More](#)
- ◆ Characterization of H5N1 high pathogenicity avian influenza virus belonging to clade 2.3.4.4b isolated from Ezo red fox in Japan in a mouse model [Read More](#)
- ◆ Isolation and characterization of a novel reassortant H3N8 avian influenza virus from chickens in Eastern China [Read More](#)
- ◆ Natural infections of highly pathogenic avian influenza virus H5N1 in wild birds between 2020 and 2023 in the UK: a retrospective study with focus on microscopic lesions, viral distribution and neurotropism [Read More](#)
- ◆ Adaptive mutations in HA of avian H9N2 influenza viruses facilitate their transmission to swine [Read More](#)
- ◆ Epidemiology, evolution, and biological characteristics of avian influenza A (H11) viruses from wild birds [Read More](#)
- ◆ Expansion of influenza A(H1N1)pdm09 NA:S247N viruses with reduced susceptibility to oseltamivir, Catalonia, Spain, and in Europe, July to October 2025 [Read More](#)
- ◆ Exploring influenza A virus receptor distribution in the lactating mammary gland of domesticated livestock and in human breast tissue [Read More](#)
- ◆ ECDC - Scenarios for pre-pandemic zoonotic influenza preparedness and response [Read More](#)

### Vectors and Vector Borne Diseases

- ◆ Spatio-temporal dataset (2009–2012) of *Culicoides spp.*, vectors of livestock viruses, in France [Read More](#)
- ◆ Isolation and genomic characterization of Chikungunya virus during the 2025 outbreak in Foshan, China [Read More](#)
- ◆ Spillover infections by rustrela virus, borna disease virus 1 and tick-borne encephalitis virus revealed by retrospective screening of mammalian encephalitis of unknown origin [Read More](#)
- ◆ Metagenomic surveillance of emerging viruses in mosquito populations from high-risk regions of Iran [Read More](#)
- ◆ Gagosa Mountain virus, a novel arbovirus identified in *Ornithodoros lahorensis* ticks from the Shigatse region of the Tibetan Plateau [Read More](#)

### Other

- ◆ Bacteremia caused by *Helicobacter troglodytes* indicative of zoonotic infection in a pig farmer: a case report [Read More](#)
- ◆ Lipopolysaccharide and Recombinant Prion Protein Induce Distinct Neurodegenerative Pathologies in FVB/N Mice [Read More](#)
- ◆ Long-Term Residual Infection as a Source of Bovine Tuberculosis Reemergence: A Phylogenetic and Epidemiological Investigation of Recurrent Outbreaks [Read More](#)
- ◆ Identification of a novel pegivirus in reindeer (*Rangifer tarandus valentinae*) in Northeastern China [Read More](#)
- ◆ New York Global Health Update Report – 12/04/2025 [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 09/12/2025 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 29 November – 5 December 2025, week 49 [Read More](#)
- ◆ European Commission Animal Disease Information System – Weekly Outbreak Summary [Read More](#)
- ◆ SHIC Domestic Disease Monitoring Report – December 2025 [Read More](#)
- ◆ SHIC Global Disease Monitoring Report – December 2025 [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.