

## CORRECTION:

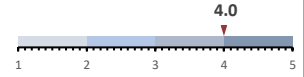
Please disregard the atypical BSE signal from Florida that was included in the report released earlier today as it is an old event from 2018.

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

#### Foot and Mouth Disease

- ◆ Hungary has reported FMD in a dairy cattle herd of 1,400 animals in **Kisbajcs** in the north of the country, close to its border with Slovakia; this is the first report of FMD in Hungary since 1973

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#### Highly Pathogenic Avian Influenza

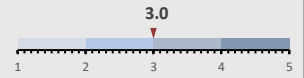
- ◆ Over the last week, Canada has reported outbreaks of HPAI in non-commercial poultry in: **Nova Scotia(1)**

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- ◆ As of March 10, 2025, the USDA has reported influenza A(H5N1) in 983 dairy herds across 17 states: **Arizona(1), Wyoming(1), North Carolina(1), Ohio(1), Oklahoma(2), Kansas(4), South Dakota(7), Minnesota(9), New Mexico(9), Nevada(10), Iowa(13), Utah(13), Texas(27), Michigan(31), Idaho(36), Colorado(64), and California(754)**

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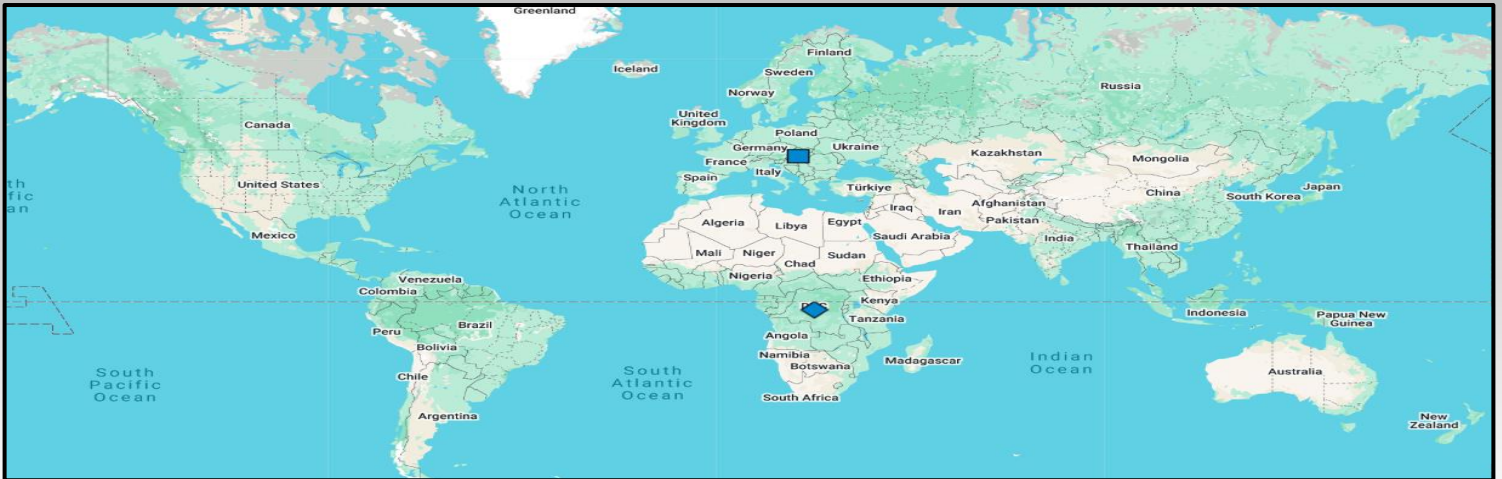
- All recent outbreaks were reported from **California(6)**

- ◆ **New Jersey** has reported HPAI H5 in four additional cats, bringing the total number of affected cats to six; all cats are connected to the same property in **Hunterdon County**

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



#### Foot and Mouth Disease in Hungary

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

① On March 7, 2025, Hungary reported FMD in a dairy cattle herd of 1,400 animals in Kisbajcs in the north of the country, close to its border with Slovakia. FMD clinical signs were observed on the premises on March 3, 2025 and confirmatory testing was carried out on March 6, with the serotype currently pending. The source is not currently known and epidemiological investigations are underway. This is the first report of FMD in Hungary since 1973.

[Read More](#)

Avg. Rating	3.5 - 4.0
No. of Signal	5
No. of Ratings	3 - 39

#### Mpox clade 1a in the Democratic Republic of Congo

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

① A new variant of mpox that may be better adapted to spread between people, with a fatality rate ranging from 1.4-10%, has been identified in the DRC. Clade 1a carries a mutation known as APOBEC3 that may make it more

[Read More](#)

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

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

### **Highly Pathogenic Avian Influenza in North America**

**No. of Signals: 17**

**No. of weeks in report: 158**

**Avg. Rating: 1.3 - 3.0**

- Over the last week, [Canada](#) has reported outbreaks of HPAI in non-commercial poultry in: Nova Scotia(1)
- In Ontario, [Peel Public Health](#) is investigating suspected cases of avian influenza after a large number of dead wild birds were found in the region
- Over the last week, the [USDA](#) has reported outbreaks of HPAI in commercial poultry in: Indiana(2) and Ohio(2); in WOA non-poultry in: Illinois(1), Oregon(1), and Michigan(1); and in live-bird markets in: New York(4)
- [Hawaii](#) has launched a survey regarding avian influenza awareness and preparedness directed at backyard yard flock owners and bird rescuers
- As of March 10, 2025, the [USDA](#) has reported influenza A (H5N1) in 983 dairy herds across 17 states; Arizona(1), Wyoming(1), North Carolina(1), Ohio(1), Oklahoma(2), Kansas(4), South Dakota(7), [Minnesota](#)(9), New Mexico(9), Nevada(10), Iowa(13), Utah(13), Texas(27), [Michigan](#)(31), Idaho(36), [Colorado](#)(64), and California(754); all recent outbreaks were reported from California(6)
- [New Jersey](#) has reported HPAI H5 in four additional cats, bringing the total number of affected cats to six; all cats are connected to the same property in Hunterdon County
- Wastewater surveillance dashboards for influenza can be found at the [CDC](#) and Stanford University's [WastewaterSCAN](#)

### **Peste des petits ruminants in Europe**

**No. of Signals: 02**

**No. of weeks in report: 07**

**Avg. Rating: 2.3 - 2.7**

- [Romania](#) has reported additional cases of PPR in sheep

### **Bluetongue virus in Europe**

**No. of Signals: 03**

**No. of weeks in report: 20**

**Avg. Rating: 2.0 - 2.5**

- [Norway](#) continues to report cases of BTV-3, and has been reporting cases throughout the entire winter

### **Schmallenberg virus in the UK**

**No. of Signals: 01**

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

**Avg. Rating: 2.4**

- [Scotland](#) has confirmed five new cases of Schmallenberg virus so far this year, however because it's not a notifiable disease there may be many more cases unreported; cases have also been reported across Ireland

### **Highly Pathogenic Avian Influenza in Europe**

**No. of Signals: 26**

**No. of weeks in report: 214**

**Avg. Rating: 1.7 - 2.4**

- [Belgium](#) has reported its first cases of HPAI in cats; two cats, belonging to a poultry keeper in East Flanders, were reported infected in February
- [England](#), [Hungary](#), [Czech Republic](#), [Germany](#), and [Poland](#) have reported outbreaks of HPAI H5N1 in domestic poultry
- The [Netherlands](#), [Romania](#), [Greece](#), [Germany](#), [Belgium](#), [Italy](#), [Sweden](#), [Moldova](#), [Russia](#), [Denmark](#), and [France](#) have reported cases of HPAI H5N1 in wild birds
- A summary of the overall HPAI situation in Europe is available [here](#)

### **Highly Pathogenic Avian Influenza in Asia**

**No. of Signals: 09**

**No. of weeks in report: 178**

**Avg. Rating: 2.0 - 2.2**

- [South Korea](#) and [India](#) have reported additional cases of HPAI H5N1 in domestic poultry
- Cambodia has reported HPAI H5N1 in [domestic poultry](#) and [wild birds](#)

## SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

### Coronavirus

- ◆ Coronavirus Cryptic Landscape and Draft Genome of a Novel CoV Clade Related to MERS From Bats Circulating in Northeastern Brazil [Read More](#)

### Foot and Mouth Disease

- ◆ WOAHA-FAO FMD Quarterly Reference Lab Report Oct-Dec 2024 [Read More](#)

### Influenza

- ◆ Pre-print: The impact of influenza A H5N1 virus infection in dairy cows [Read More](#)
- ◆ Pre-print: Pathogenicity and transmissibility of bovine-derived HPAI H5N1 B3.13 virus in pigs [Read More](#)
- ◆ CDC - Avian Influenza A(H5) Subtype in Wastewater — Oregon, September 15, 2021–July 11, 2024 [Read More](#)
- ◆ Reverse genetics-derived cattle H5N1 virus from Clade 2.3.4.4b shows enhanced systemic infectivity and pathogenicity than an older Clade 1 H5N1 virus in BALB/c mice [Read More](#)
- ◆ Cross-species and mammal-to-mammal transmission of clade 2.3.4.4b highly pathogenic avian influenza A/H5N1 with PB2 adaptations [Read More](#)
- ◆ Urban Coatis (*Nasua nasua*) Exposure to *Alphainfluenzavirus influenzae* [Read More](#)
- ◆ PAHO - Epidemiological Update - Avian Influenza A(H5N1) in the Americas Region - 4 March 2025 [Read More](#)
- ◆ The threat of avian influenza H5N1 looms over global biodiversity [Read More](#)

### Vectors and Vector Borne Diseases

- ◆ A wolf at the door: the ecology, epidemiology, and emergence of community- and urban-level Rocky Mountain spotted fever in the Americas [Read More](#)
- ◆ Travel-associated international spread of Oropouche virus beyond the Amazon [Read More](#)
- ◆ The first report of Schmallenberg virus seroprevalence and associated risk factors in cattle in northern Algeria [Read More](#)

### Tuberculosis

- ◆ Oral delivery of bovine tuberculosis vaccine to free-ranging white-tailed deer [Read More](#)
- ◆ Zoonotic tuberculosis in Catalonia, Spain: Phylogenetic insights into *Mycobacterium bovis* and *M. caprae* transmission at the human-livestock interface [Read More](#)

### Other

- ◆ Phylogeographic Characterizations of Recent (2015–2023) Senecavirus A Isolates from Canada [Read More](#)
- ◆ New evidence from the northern Apennines, Italy, suggests a southward expansion of *Echinococcus multilocularis* range in Europe [Read More](#)
- ◆ Isolation and molecular characteristics of D2 genotype of Aichivirus D in dairy cattle in China [Read More](#)
- ◆ Dolphins share *Toxoplasma gondii* Type II genotypes with terrestrial animals: Evidence of terrestrial *T. gondii* contamination in marine environments [Read More](#)
- ◆ New York State - Global Health Update Report - 03/06/2025 [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 11/03/2025 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 1 - 7 March 2025, week 10 [Read More](#)
- ◆ SHIC Global Disease Monitoring Report – March 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.