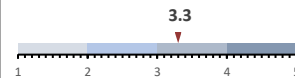


SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥ 3.0)

Influenza A (H5N1)

- ◆ The Yakima Health District, in coordination with the **Washington State** Department of Health, has confirmed a case of influenza A(H5N1) in a resident who was exposed to infected dairy cattle at a **Yakima County** dairy; the person has not experienced severe illness or been hospitalized and is isolating at home

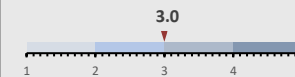
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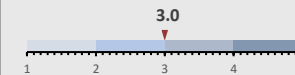
Highly Pathogenic Avian Influenza

- ◆ The USDA has confirmed HPAI H5N1 in six additional dairy cattle herds in **Washington** (all reportedly in **Yakima County**)
- ◆ Over the last week, **Canada** has confirmed outbreaks of HPAI in non-commercial poultry in: **Manitoba**(2)

[Read More](#)



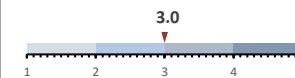
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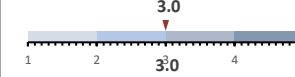
Shamonda Virus Europe

- ◆ **Portugal** has reported detections of SHAV-EU (clade unspecific) in beef and dairy farms across six municipalities, identified via RT-PCR or ELISA
- ◆ **Spain** has reported SHAV-EU in a livestock farm for the first time in the province of **Cádiz**, now the sixth province affected
- ◆ Journal article: Detection of Shamonda Virus RNA in Blood and Milk from Water Buffaloes in **Southern Italy**
 - SHAV-EU1 RNA was detected in 10/15 blood samples and all 8 milk samples from dairy water buffaloes experiencing reduced milk production

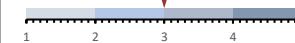
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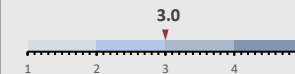
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Ebola (Bundibugyo) Virus

- ◆ As of October 20, 2026, a total of eight confirmed Ebola cases, including one death, have been reported in **Kenya**

[Read More](#)



NEW EVENTS: (events rated > 2)



● Hemorrhagic tracheitis in nursery pigs in the USA

Pathogen: N/A condition, multiple; **Transmission:** multiple; **Species affected in event:** swine

① Hemorrhagic tracheitis syndrome (HTS) is an emerging condition of nursery and, less commonly, growing pigs. A retrospective review of 422 cases with tracheitis submitted to the University of Minnesota Veterinary Diagnostic Laboratory from 2014–2026 found that 139 (32.9%) were positive for swine influenza virus (SIV) and, among the SIV-negative cases, 118 (41.7%) were positive for *Mycoplasma hyopneumoniae*. Overall, 257/422 cases (60.9%) had evidence of either pathogen, with comparable lesions also found in pigs negative for both. No clear relationship was identified between lesion type and the infectious agent detected, and further investigation is needed to determine the role of these respiratory pathogens in HTS.

[Read More](#)

Avg. Rating	2.4
No. of Signals	1
No. of Ratings	5

◆ Bovine papular stomatitis in Mexico

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

① Mexico has ruled out foot-and-mouth disease in a calf inspected at the quarantine station in Agua Prieta, Sonora, after mouth lesions were detected. Samples sent to SENASICA's laboratory in Mexico City, confirmed bovine papular stomatitis virus and ruled out foot-and-mouth disease within 24 hours. Bovine papular stomatitis is a globally distributed parapoxvirus infection that spreads through direct contact with infected animals or contaminated materials and generally causes mild, self-limiting oral and muzzle lesions in cattle. The virus is also a recognised occupational zoonosis that can cause localised skin lesions in people who have direct contact with infected cattle.

[Read More](#)

Avg. Rating	2.3
No. of Signals	1
No. of Ratings	4

CONTINUED EVENTS: (events rated ≥ 2.4)

Influenza A(H5N1) in the United States

No. of Signals: 01

No. of weeks in report: 46

Avg. Rating: 3.3

- The [Yakima Health District](#), in coordination with the Washington State Department of Health, has confirmed a case of influenza A(H5N1) in a resident who was exposed to infected dairy cattle at a Yakima County dairy; the person has not experienced severe illness or been hospitalized and is isolating at home

Shamonda Orthobunyavirus in Europe

No. of Signals: 05

No. of weeks in report: 12

Avg. Rating: 2.7 - 3.0

- [Portugal](#) has reported detections of SHAV-EU (clade unspecific) in beef and dairy farms across six municipalities, identified via RT-PCR or ELISA
- [Spain](#) has reported SHAV-EU in a livestock farm for the first time in the province of Cádiz, now the sixth province affected
- [France](#) has confirmed outbreaks in 54 departments, affecting cattle in 52 departments (including one new department - Charentes-Maritimes) and sheep in 2 departments

Highly Pathogenic Avian Influenza in North America

No. of Signals: 06

No. of weeks in report: 239

Avg. Rating: 2.0 - 3.0

- Over the last week, [Canada](#) has reported outbreaks of HPAI in non-commercial poultry in: Manitoba(2)
- As of October 2, 2026, [CFIA](#) laboratories tested 12,455 samples of raw milk from trucks arriving at processing plants in all provinces across Canada; all samples tested negative
- Over the last week, the [USDA](#) has reported outbreaks of HPAI in WOA non-poultry in: Utah(2), Puerto Rico(1), and Ohio(1)
- [Missouri and Nevada](#) have reported HPAI in urban wild waterfowl (ducks and geese)
- HPAI has been identified as the primary underlying cause of death of [Big Bear bald eagle Jackie](#)
- As of October 19, 2026, the [USDA](#) has reported influenza A(H5N1) in 1188 dairy herds across 20 states: Wisconsin(1), Nebraska(1), Wyoming(1), North Carolina(1), Ohio(1), Oklahoma(2), Kansas(5), Arizona(5), South Dakota(7), Washington(8), [Minnesota](#)(9), New Mexico(9), Nevada(11), Iowa(13), Utah(29), [Michigan](#)(31), Texas(40), [Colorado](#)(64), Idaho(177), and California(773); seven new outbreaks were reported in the last week from: Washington(6) and Texas(1)

- Wastewater surveillance dashboards for influenza can be found at the [CDC](#) and Stanford University's [WastewaterSCAN](#)

Ebola (Bundibugyo virus) in Eastern Africa (DRC, Kenya)

No. of Signals: 10

No. of weeks in report: 15

Avg. Rating: 2.0 - 3.0

- As of October 19, 2026, the [DRC](#) has confirmed 9,552 cases of Ebola across eight provinces, including 4,602 related deaths, and 2,550 recoveries
- As of October 20, 2026, a total of eight confirmed Ebola cases, including one death, have been reported in [Kenya](#)

Foot and Mouth Disease in Asia

No. of Signals: 04

No. of weeks in report: 20

Avg. Rating: 2.0 - 2.8

- [Cyprus](#) will officially register ~3,000 previously detected FMD cases from five livestock farms identified during summer 2026 and proceed with culling affected animals
- [Türkiye](#) continues to report animal market closures due to FMD outbreaks across the country; however, there have been no statements regarding the cancellation of [camel wrestling](#)
- [Indonesia](#) has reported a FMD outbreak affecting more than 60 buffalo in Lampung; infected animals are being separated and treated, while more than 600 buffalo have been vaccinated to reduce further transmission

Dengue in Cuba

No. of Signals: 01

No. of weeks in report: 02

Avg. Rating: 2.6

- As of October 4, 2026, [Cuba's](#) cumulative dengue case count was estimated at 11,235, ~9.2 times the expected level, with all four dengue serotypes reported to be circulating and DENV-2 predominant

New World Screwworm in the United States

No. of Signals: 06

No. of weeks in report: 19

Avg. Rating: 1.8 - 2.5

- As of October 19, 2026, the [USDA](#) has confirmed a total of 56 cases of NWS myiasis in two states: Texas(52) and New Mexico(4); over the last week, one additional case was reported in a horse in Brewster County, Texas, and one case each in a horse and cattle in Grant County, New Mexico
- The [Texas](#) Animal Health Commission has issued a new executive order, releasing two NWS infested zones and modifying another, with concurrence from APHIS
- [Colorado](#) has adopted a new emergency rule to control the spread of NWS; it outlines the requirements for animals entering Colorado from an NWS-infested state, including streamlined infested zone protocols, international import standards, and enforcement and quarantine provisions
- [Medgene and the Foundation for Food & Agriculture Research](#) launched a nearly US\$500,000 project to develop a cattle vaccine against NWS that targets larval feeding and development, although its safety, efficacy, and commercial suitability remain to be demonstrated before field use

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 04

No. of weeks in report: 287

Avg. Rating: 2.0 - 2.3

- Across [Europe](#), HPAI activity was reported in domestic poultry in Albania (H5N1), while wild bird detections were reported in Germany and Serbia (H5N1) and Iceland and Norway (H5N5)

Highly Pathogenic Avian Influenza in Oceania

No. of Signals: 02

No. of weeks in report: 18

Avg. Rating: 1.8 - 2.0

- As of October 19, 2026, [Australia](#) has confirmed 713 events of HPAI H5 in wildlife: 10 in Western Australia, 331 in South Australia, 71 in New South Wales, 2 in Queensland, 245 in Victoria, 53 in Tasmania, and 1 in Other Territories (Jervis Bay)
- HPAI H5 was recently detected in a Southern elephant seal and a kelp gull on [Macquarie Island](#); first recorded detection in a marine mammal in Tasmania
- [Tasmania](#) has begun a pilot to vaccinate 100 shy albatrosses against HPAI H5, the world's first HPAI vaccination programme for albatrosses
- [New Zealand](#) has not reported any additional detections of HPAI over the last week

SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:

Foot and Mouth Disease

- ◆ Buffaloed in Brandenburg: Germany's first brush with foot-and-mouth disease after four decades of freedom [Read More](#)

Influenza

- ◆ A caprine mammary infection model for highly pathogenic avian influenza H5N1 [Read More](#)
- ◆ Evidence of Exposure to Highly Pathogenic Avian Influenza H5 Viruses in East Greenland Polar Bears [Read More](#)
- ◆ Whole genome sequences of highly pathogenic H5N1 avian influenza viruses detected in felines in Bangladesh [Read More](#)
- ◆ Distinct influenza interfaces in cattle: repeated spillovers of highly pathogenic avian influenza A(H5N1) from wild birds and enzootic circulation of influenza D virus [Read More](#)
- ◆ Infection and transmission dynamics of bovine and human influenza A H5N1 viruses in mouse and hamster models [Read More](#)
- ◆ Pre-existing cross-subtype serological responses against H5Nx in health care workers [Read More](#)

New World Screwworm

- ◆ Re-emergence of the screwworm larva *Cochliomyia hominivorax* (Coquerel) in Mexico and its impact as a zoonosis on public health [Read More](#)
- ◆ Use of pour-on formulations of fluralaner in prophylactic treatments against *Cochliomyia hominivorax* in newborn calves under extensive grazing systems [Read More](#)

Shamonda Virus Europe

- ◆ Pre-print: Detection of Shamonda Virus RNA in Blood and Milk from Water Buffaloes in Southern Italy [Read More](#)

Vectors and Vector Borne Diseases

- ◆ WOA calls for stronger surveillance and preparedness as reported vector-borne disease events are on the rise [Read More](#)

Other

- ◆ New York Global Health Update Report - 10/15/2026 [Read More](#)
- ◆ France - Weekly Bulletin for International Animal Health Surveillance 20/10/2026 [Read More](#)
- ◆ ECDC - Communicable disease threats report, 10 – 16 October, week 42 [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.