

SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

Highly Pathogenic Avian Influenza

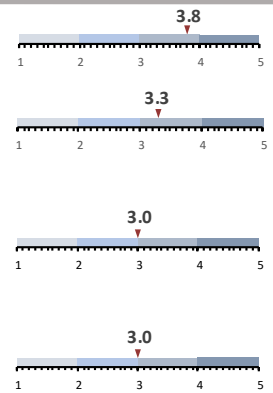
- Over the past week, **Canada** has reported additional outbreaks of HPAI in: **British Columbia (4), Saskatchewan (1), Alberta (1), Quebec (2), and Ontario (4)**
- On May 2, two wild fox kits were diagnosed with HPAI H5N1 in **Ontario**, representing the first detections of HPAI H5N1 A/goose/Guangdong/1996 (Gs/GD) lineage in wild mammals in **Ontario, Canada** and in the Americas
- Over the last week, the USDA has reported outbreaks of HPAI H5N1 in commercial poultry (**Wisconsin, Minnesota, Pennsylvania, South Dakota**), backyard birds (**Washington, Oregon, Michigan, Minnesota, Montana, Wisconsin, Iowa, Illinois, South Dakota**), and wild birds (**Minnesota, Wisconsin, Wyoming, North Dakota, New York, Maryland, South Dakota, Montana**)
- In **Mexico**, HPAI has spread to the Lagunera Region affecting at least 6 farms in the Duranguense territory

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African Swine Fever

- ASF continues to spread in **Haiti** and the **Dominican**, with **Haiti** reporting a total of 31 outbreaks and **Dominican** 224 outbreaks
- In **Italy**, ASF has been found in a wild boar in **Rome**, this is the first time the disease has been detected in the centre of the country

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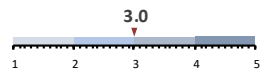
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Foot and Mouth Disease

- Indonesia** is experiencing a recurrence of FMD across multiple districts, affecting mostly backyard beef and dairy cattle

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NEW EVENTS: (events rated > 2)



Foot and mouth disease in Indonesia

Pathogen: Virus ; **Transmission:** Direct contact, fomite ; **Species affected in event:** Bovine

Indonesia is experiencing a recurrence of FMD. The disease has affected 3496 animals, mostly backyard beef and dairy cattle, across multiple districts (Air masin, Mojokerto, Sidoarjo, Gresik, and Lamongan). A suspected outbreak of FMD has also been reported in Pangkalpinang City.

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Avg. Rating	2.5 - 3.0
No. of Signal	2
No. of Ratings	2 - 3

CONTINUED EVENTS: (events rated ≥ 2.4)

Highly Pathogenic Avian Influenza in North America	No. of Signals: 13	No. of weeks in report: 18	Avg. Rating: 1.5 – 3.8
<ul style="list-style-type: none"> Over the last week, Canada has reported additional outbreaks of HPAI in: British Columbia (4), Saskatchewan (1), Alberta (1), Quebec (2), and Ontario (4) On May 2, two wild fox kits were diagnosed with HPAI H5N1 in Ontario, representing the first detections of HPAI H5N1 A/goose/Guangdong/1996 (Gs/GD) lineage in wild mammals in Ontario, Canada and in the Americas Over the last week, the USDA has reported outbreaks of HPAI H5N1 in commercial poultry (Wisconsin, Minnesota, Pennsylvania, South Dakota), backyard birds (Washington, Oregon, Michigan, Minnesota, Montana, Wisconsin, Iowa, Illinois, South Dakota), and wild birds (Minnesota, Wisconsin, Wyoming, North Dakota, New York, Maryland, South Dakota, Montana) In Mexico, HPAI has spread to the Lagunera Region affecting at least 6 farms in the Duranguense territory 			
African Swine Fever in the Caribbean	No. of Signals: 01	No. of weeks in report: 16	Avg. Rating: 3.0
<ul style="list-style-type: none"> ASF continues to spread in Haiti and the Dominican, with Haiti reporting a total of 31 outbreaks and Dominican 224 outbreaks 			
African Swine Fever in Europe	No. of Signals: 06	No. of weeks in report: 132	Avg. Rating: 2.0 – 3.0
<ul style="list-style-type: none"> Italy has reported ASF in a wild boar in Rome, this is the first time the disease has been detected in the centre of the country Poland and Hungary have also reported cases of ASF in wild boar Russia has reported outbreaks of ASF in domestic swine 			
Equine Influenza in the USA	No. of Signals: 05	No. of weeks in report: 02	Avg. Rating: 2.0 – 2.6
<ul style="list-style-type: none"> In Colorado, at the BLM Wild Horse and Burro Corrals, additional necropsy and laboratory test results confirmed pneumonia caused by H3 equine influenza virus (Florida Clade 1 sublineage) and complicated by bacterial co-infection as the cause of death of the horses Kansas and Wisconsin have also reported cases of equine influenza 			
Monkeypox in the UK	No. of Signals: 01	No. of weeks in report: 03	Avg. Rating: 2.5
<ul style="list-style-type: none"> The UK has confirmed that an individual who recently travelled from Nigeria has been diagnosed with monkeypox in England 			
Japanese Encephalitis in Australia	No. of Signals: 01	No. of weeks in report: 08	Avg. Rating: 2.4
<ul style="list-style-type: none"> In Australia, there have been 38 human cases (26 confirmed, 12 suspected) of JEV and 4 deaths, as well as additional detections in piggeries in South Australia 			
Highly Pathogenic Avian Influenza in Europe	No. of Signals: 04	No. of weeks in report: 73	Avg. Rating: 2.0 – 2.3
<ul style="list-style-type: none"> France has reported another outbreak of HPAI, this one in a duck farm in the commune of Sénergues, Aveyron Iceland has reported HPAI H5N1 in wild birds and backyard poultry 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: 60	Avg. Rating: 2.0
<ul style="list-style-type: none"> Israel has reported HPAI H5N8 in wild birds 			

SCIENTIFIC FINDINGS & REPORTS:

African Swine Fever

- ◆ Diverse african swine fever viruses in China [Read More](#)
- ◆ Pre-print: The baseline immunological and hygienic status of pigs impact disease severity of African swine fever [Read More](#)
- ◆ Epidemiological analyses of African swine fever in the European Union: (September 2020 to August 2021) [Read More](#)

Influenza A

- ◆ Continued antigenic variation of highly pathogenic avian influenza A (H7N9) virus in laying hens in China, 2020–2021 [Read More](#)

Tuberculosis

- ◆ Diagnostic and public health investigation of *Mycobacterium tuberculosis* infection in a dog in Ontario, Canada [Read More](#)

Echinococcus multilocularis

- ◆ A highly endemic area of Echinococcus multilocularis identified through a comparative re-assessment of prevalence in the red fox (*Vulpes vulpes*), Alto Adige (Italy: 2019–2020) [Read More](#)

Other

- ◆ Urban-adapted mammal species have more known pathogens [Read More](#)
- ◆ Recent Zoonotic Spillover and Tropism Shift of a Canine Coronavirus Is Associated with Relaxed Selection and Putative Loss of Function in NTD Subdomain of Spike Protein [Read More](#)
- ◆ Molecular characterization of the Gyrovirus galga 1 strain detected in various zoo animals: The first report from China [Read More](#)
- ◆ Isolation of infectious Lloviu virus from Schreiber's bats in Hungary [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.