

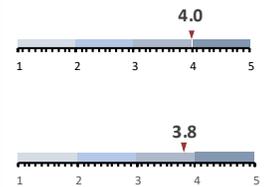
SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

Highly Pathogenic Avian Influenza

- ◆ The **USA** has confirmed Eurasian HPAI H5 in a wild American wigeon in Colleton County, South Carolina
- ◆ In **Canada**, HPAI H5N1 was detected at a second premises, a non-commercial backyard flock located in the same geographical area as the exhibition farm, in the Avalon Peninsula, N.L.

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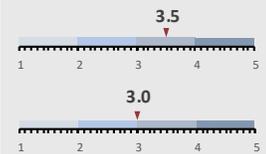


African Swine Fever

- ◆ In **Italy**, additional wild boar have tested positive for ASF in Piedmont and Liguria, there is an increase in cases in Liguria, particularly in the area around the A7 motorway
- ◆ **Thailand** has reported its first official cases of ASF in three pet pigs that displayed clinical signs in late November; ASF was also found in a surface swab sample collected from a slaughterhouse in Nakhon Pathom

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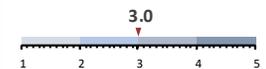
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Skunk Adenovirus 1

- ◆ Three porcupines in **Maine** have died as a result of infection with SkAdV-1

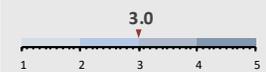
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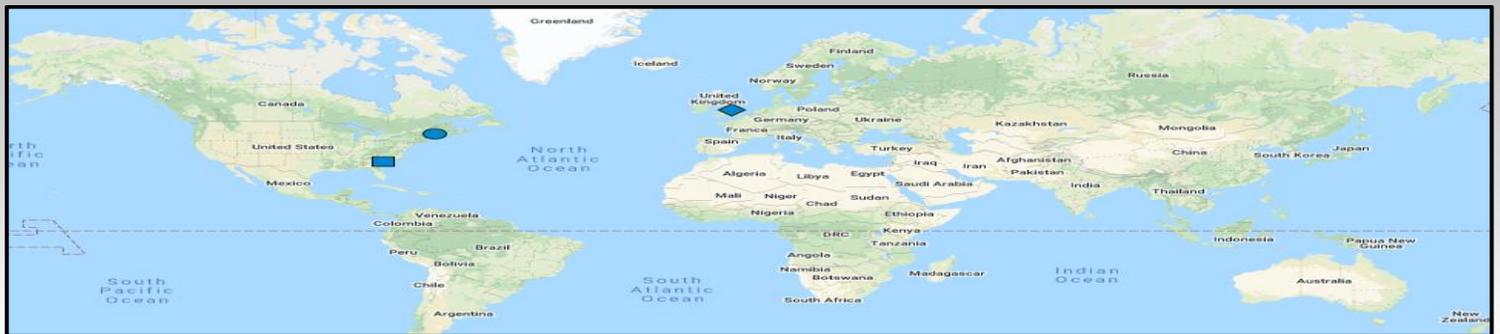
Illegal meat products

- ◆ In **New York** city, federal agents have seized and destroyed more than 1,900 pounds of prohibited pork, poultry and ruminant products (originating from China) from city retailers in the past three months

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NEW EVENTS: (events rated > 2)



Highly Pathogenic Avian Influenza H5 in South Carolina, USA

Pathogen: Virus ; **Transmission:** Aerosol, Direct Contact, Fomite ; **Species affected in event:** Avian

① The USDA APHIS has confirmed Eurasian HPAI H5 in a wild American wigeon in Colleton County, South Carolina. Eurasian H5 has not been detected in a wild bird in the United States since 2016. There was a case of HPAI (H7N3) in a commercial meat turkey flock in South Carolina in 2020 due to a North American lineage virus.

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Avg. Rating	3.5 - 4.0
No. of Signal	3
No. of Ratings	2

Skunk Adenovirus 1 in Maine porcupines

Pathogen: Virus ; **Transmission:** Unknown ; **Species affected in event:** Porcupine

① Three porcupines in Maine have died as a result of infection with SkAdV-1. The virus was first diagnosed in a striped skunk from Ontario in 2015. Scientists have yet to identify how the virus is transmitted. Maine authorities are now working with wildlife researchers, rehabilitators and trappers to study the virus.

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Avg. Rating	3.0
No. of Signal	1
No. of Ratings	4

Undiagnosed illness in canines in the UK

Pathogen: Unknown; **Transmission:** Unknown ; **Species affected in event:** Canine

① Hundreds of dogs have fallen to a mystery illness after taking walks on beaches along the Yorkshire coast. A warning has been issued to dog owners to avoid the beach, after noticing a “high increase” of dogs coming into veterinary practices with severe vomiting and diarrhoea.

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

CONTINUED EVENTS: (events rated ≥ 2.4)

<u>Highly Pathogenic Avian Influenza in North America</u>	<u>No. of Signals: 03</u>	<u>No. of weeks in report: 02</u>	<u>Avg. Rating: 2.0 – 3.8</u>
<ul style="list-style-type: none"> • Canada has reported HPAI H5N1 at a second premises, a non-commercial backyard flock (composed of: 3 chickens and 15 ducks) located in the same geographical area as the exhibition farm, in the Avalon Peninsula, N.L. 			
<u>African Swine Fever in Europe</u>	<u>No. of Signals: 12</u>	<u>No. of weeks in report: 123</u>	<u>Avg. Rating: 2.0 – 3.5</u>
<ul style="list-style-type: none"> • Italy has reported additional wild boar have tested positive for ASF in Piedmont and Liguria • North Macedonia has reported its first outbreak of ASF in backyard swine in Delcevo • Poland, Latvia, Hungary, and Romania have reported cases of ASF in wild boar • Russia and Romania have reported outbreaks of ASF in domestic swine 			
<u>Illegal meat products</u>	<u>No. of Signals: 02</u>	<u>No. of weeks in report: 05</u>	<u>Avg. Rating: 2.3 – 3.0</u>
<ul style="list-style-type: none"> • In New York city, federal agents have seized and destroyed more than 1,900 pounds of prohibited pork, poultry and ruminant products (originating from China) from city retailers in the past three months • U.S. CBP has also confiscated more than 100 pounds of bushmeat from travelers at Minneapolis-St. Paul International Airport in recent weeks 			
<u>African Swine Fever in Asia</u>	<u>No. of Signals: 14</u>	<u>No. of weeks in report: 133</u>	<u>Avg. Rating: 2.0 – 3.0</u>
<ul style="list-style-type: none"> • Thailand has reported its first official cases of ASF in three pet pigs that displayed clinical signs in late November; ASF was also found in a surface swab sample collected from a slaughterhouse in Nakhon Pathom • Malaysia has reported outbreaks of ASF in Sibu and Paya Mengkuang • The Philippines have reported an outbreak of ASF in domestic swine in Soccksargen • India has reported outbreaks of ASF in swine in Majuli and Nagaland 			
<u>Epizootic Hemorrhagic Disease in the US</u>	<u>No. of Signals: 01</u>	<u>No. of weeks in report: 09</u>	<u>Avg. Rating: 2.8</u>
<ul style="list-style-type: none"> • Washington officials are worried after 15 – 25% of collared deer across different districts died as a result of EHD and Bluetongue in 2021 			
<u>Chronic Wasting Disease in the US</u>	<u>No. of Signals: 05</u>	<u>No. of weeks in report: 16</u>	<u>Avg. Rating: 2.3 – 2.8</u>
<ul style="list-style-type: none"> • Alabama has reported its first case of CWD in a whitetail deer that was killed in Lauderdale County • Mississippi has confirmed a second suspect case of CWD in a deer harvested in Warren County • Wisconsin has confirmed a positive case of CWD in a wild deer in Oconto County • In Idaho, a cow elk and whitetail doe have tested positive for CWD bringing the state's total to six 			
<u>Highly Pathogenic Avian Influenza in Europe</u>	<u>No. of Signals: 11</u>	<u>No. of weeks in report: 57</u>	<u>Avg. Rating: 2.0 – 2.6</u>
<ul style="list-style-type: none"> • The Netherlands have detected HPAI H5N1 in a sick fox • Denmark has reported an outbreak of HPAI H5N8 in domestic poultry in Viborg • Bulgaria will cull more than 5,800 ducks after detecting a HPAI outbreak at an industrial farm in the southern village of Zalti Bryag • Croatia and Poland have reported HPAI H5N1 in domestic poultry • Sweden, Spain, England, Germany, Finland, and the Netherlands have reported HPAI H5N1 in wild birds • A summary of the overall HPAI situation in Europe is available here 			
<u>Highly Pathogenic Avian Influenza in Asia</u>	<u>No. of Signals: 03</u>	<u>No. of weeks in report: 46</u>	<u>Avg. Rating: 2.0</u>
<ul style="list-style-type: none"> • Taiwan has reported HPAI H5N2 in domestic poultry in Taiwan Sheng • Vietnam has reported outbreaks of HPAI H5N1, in: Long Binh, Thanh Binh, Yen Thai, Quynh Xuan, and Hai Thuong 			

SCIENTIFIC FINDINGS:

- ◆ The increased prevalence of *Vibrio* species and the first reporting of *Vibrio jasicida* and *Vibrio rotiferianus* at UK shellfish sites [Read More](#)
- ◆ Post-epidemic dynamics of PEDV in the United States: Current trends and patterns [Read More](#)
- ◆ Pre-print: Transatlantic spread of highly pathogenic avian influenza H5N1 by wild birds from Europe to North America in 2021 [Read More](#)
- ◆ WHO RiskAssessment: Influenza A (H5) - United Kingdom of Great Britain and Northern Ireland [Read More](#)
- ◆ Identical Viral Genetic Sequence Found in Black Flies (*Simulium bivittatum*) and the Equine Index Case of the 2006 U.S. Vesicular Stomatitis Outbreak [Read More](#)
- ◆ Spatial network clustering reveals elk population structure and local variation in prevalence of chronic wasting disease [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.