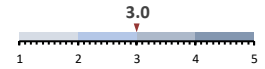


SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

African Swine Fever

- ◆ **Italy** has reported its first case of ASF in the Piedmont region, in a wild boar found dead in the province of Alessandria

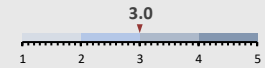
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Highly Pathogenic Avian Influenza

- ◆ The **UK** has confirmed a human case of avian influenza H5N1 in southwest England; the case was detected following routine monitoring of individuals that had close contact with an avian flock that experienced an outbreak of HPAI H5N1

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NEW EVENTS: (events rated > 2)



■ Pseudorabies in feral swine illegally imported into Colorado from Texas

Pathogen: Virus ; **Transmission:** Direct contact, in utero; **Species affected in event:** Swine

① Colorado Parks and Wildlife (CPW) officers confiscated three feral swine from a farm in El Paso County, after hearing reports that the homeowner was raising feral swine illegally imported from Texas. The team found three of the wild pigs in a small barn and euthanized them. Blood samples were sent to a lab for analysis and tested positive for pseudorabies. CPW is working with the USDA to trace the pigs back to their original herd in Texas to stop further movement of infected swine.

[Read More](#)

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

● Undiagnosed respiratory disease in Brazil

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

① Residents of Cametá, in northeastern Pará, are concerned about a wave of death in patients who manifested respiratory syndromes and hemorrhages in recent weeks. Since December 15th, at least six people have died after experiencing shortness of breath, coughing, fever, chest pain and hematemesis (vomiting blood). All were being treated at the Regional Hospital of Cametá. In addition to the six victims, a seventh person was seen at the unit, but was discharged.

[Read More](#)

Avg. Rating	2.0 - 2.5
No. of Signal	2
No. of Ratings	4 - 5

◆ Avian malaria in penguins at Dudley zoo, UK

Pathogen: Parasite; **Transmission:** Vector ; **Species affected in event:** Penguin

① An outbreak of avian malaria has killed more than two thirds of the largest Humboldt penguin colonies in the UK. Around 50 of the 69 birds at the Dudley zoo have succumbed to the parasitic disease. The situation is 'still ongoing' and around 70% of the colony had already been wiped out.

[Read More](#)

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

CONTINUED EVENTS: (events rated ≥ 2.4)

<u>African Swine Fever in Europe</u> <ul style="list-style-type: none"> • Italy has reported its first case of ASF in the Piedmont region, in a wild boar found dead in the province of Alessandria • Hungary, Latvia, and Romania have reported cases of ASF in wild boar • Moldova and Romania have reported outbreaks of ASF in domestic swine 	<u>No. of Signals: 07</u>	<u>No. of weeks in report: 122</u>	<u>Avg. Rating: 2.0 – 3.0</u>
<u>Highly Pathogenic Avian Influenza in Europe</u> <ul style="list-style-type: none"> • The UK has confirmed a human case of avian influenza H5N1 in southwest England following routine monitoring of individuals that had close contact with an avian flock that experienced an outbreak of HPAI H5N1 • Spain has detected HPAI H5N1 in four swans and a stork that were found dead in the Segre river in Lleida, Catalonia • Portugal has reported HPAI H5N1 in domestic poultry and wild birds in Santarem • Bulgaria has reported an outbreak of HPAI (serotype not available) at two industrial farms in the Haskovo region • France has reported an outbreak of HPAI on a turkey farm in Beaufou • The Netherlands have reported HPAI H5N1 on two neighbouring commercial poultry farms in the east of the country • Denmark has reported HPAI H5N1 on a turkey farm in Lolland • Hungary has reported HPAI H5N1 in domestic geese in Bacs-kiskun • Germany has reported the death of a goose infected with HPAI H5N1 at the Heidelberg zoo • DEFRA has released its 8th update outbreak assessment of HPAI in the UK and Europe • A summary of the overall HPAI situation in Europe is available here 	<u>No. of Signals: 18</u>	<u>No. of weeks in report: 56</u>	<u>Avg. Rating: 2.0 – 3.0</u>
<u>African Swine Fever in Asia</u> <ul style="list-style-type: none"> • Vietnam has reported an outbreak of ASF in domestic swine in Ca Mau 	<u>No. of Signals: 01</u>	<u>No. of weeks in report: 132</u>	<u>Avg. Rating: 2.5</u>
<u>Influenza A (H5N6 & H9N2) in China</u> <ul style="list-style-type: none"> • China has reported another case of influenza A(H5N6) (the first in 2022) in Guangdong Province in a 43-year-old female from Zhongkai District, Huizhou City; this is the 58th human H5N6 avian influenza case reported in China since 2014 • China has also notified the WHO of an additional human infection with avian influenza A(H9N2) in a 7-year-old male from Heyuan City, Guangdong Province with onset of illness on 28 November 2021; to date, 19 cases of avian influenza A(H9N2) have been reported to WHO from China in 2021 	<u>No. of Signals: 03</u>	<u>No. of weeks in report: 21</u>	<u>Avg. Rating: 2.3 – 2.5</u>
<u>Undiagnosed neurological illness in Canada</u> <ul style="list-style-type: none"> • The undiagnosed neurological illness in New Brunswick may be affecting a growing number of young people and causing cognitive decline among some of the afflicted; official number of cases under investigation, 48, remains unchanged since it was first announced in early spring 2021, but multiple sources say the cluster could now be as many as 150 people, with a backlog of cases involving young people still requiring further assessment 	<u>No. of Signals: 01</u>	<u>No. of weeks in report: 03</u>	<u>Avg. Rating: 2.3</u>
<u>Highly Pathogenic Avian Influenza in Asia</u> <ul style="list-style-type: none"> • India has reported HPAI H5N1 and H5N8 in wild birds 	<u>No. of Signals: 01</u>	<u>No. of weeks in report: 45</u>	<u>Avg. Rating: 2.0</u>
<u>Highly Pathogenic Avian Influenza in Africa</u> <ul style="list-style-type: none"> • Niger has reported an outbreak of HPAI H5N1 on a domestic poultry farm in Niamey • Benin has reported an outbreak (dated Oct 5, 2021) of HPAI H5N1 on a commercial poultry farm in Oueme 	<u>No. of Signals: 02</u>	<u>No. of weeks in report: 20</u>	<u>Avg. Rating: 2.0</u>

SCIENTIFIC FINDINGS:

- ◆ Feed: A new pathway for the domestic and transboundary spread of viral pathogens of veterinary significance [Read More](#)
- ◆ Pre-print: Mapping the antigenic diversification of SARS-CoV-2 [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.