

## WEEKLY INTELLIGENCE REPORT

## January 8<sup>th</sup> 2024 – January 14<sup>th</sup> 2024

SUMMARY: RELEVANT SIGNALS (includes all signals rated $\geq$ 3.0)						
<ul> <li>Highly Pathogenic Avian Influenza</li> <li>Over the last week, Canada has reported outbreaks of HPAI in non-commercial poultry in:</li> <li>Saskatchewan(1), and in non-commercial non-poultry in: Nova Scotia(1)</li> </ul>	Read More	1	3	<b>3.0</b>	4	<b></b> , 5
<ul> <li>France has reported a second outbreak of HPAI in vaccinated ducks, on the same farm in Vendée (in a different barn), this time involving 17,000 Muscovy ducks</li> <li>HPAI H5N1 has been confirmed in elephant and fur seals on the subantarctic island of South</li> </ul>	Read More Read More	1		3.0 3.0 3.0 7	4	5 5
Lyme disease – black legged ticks	Read More	1	2	<b>3.0</b>	4	, 5

NEW EVENTS: (events rated > 2)

No new events to report this week

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

<ul> <li>Highly Pathogenic Avian Influenza in South America</li> <li>HPAI H5N1 has been confirmed in elephant and fur seals on the sub Antarctica</li> </ul>	No. of Signals: 01 -Antarcticisland of <u>Sou</u>	· · · · · · · · · · · · · · · · · · ·	Avg. Rating: 3.0 HPAI in mammals in sub-
Highly Pathogenic Avian Influenza in Europe • France has reported a second outbreak of HPAI in vaccinated ducks, ducks		No. of weeks in report: 159 endée (in a different barn), this time	Avg. Rating: 2.0 - 3.0 involving 17,000 Muscovy
<ul> <li><u>France</u> has also reported an outbreak of HPAI in a turkey farm in Ver</li> <li><u>Sweden</u>, <u>Bulgaria</u>, <u>Ukraine</u>, <u>Moldova</u>, <u>Germany</u>, and <u>Hungary</u> have re</li> <li><u>Germany</u>, <u>Hungary</u>, <u>Moldova</u>, and <u>Romania</u> have reported HPAI H5N</li> <li><u>Germany</u> has reported HPAI at the Cottbus Zoo in swans and ducks</li> <li>A summary of the overall HPAI situation in Europe is available <u>here</u></li> </ul>	eported HPAI H5N1 in d		
<ul> <li>Highly Pathogenic Avian Influenza in North America</li> <li>Over the last week, <u>Canada</u> has reported outbreaks of HPAI in non-c Scotia(1)</li> <li>Over the last week, the <u>USA</u> has reported outbreaks of HPAI in common sector.</li> </ul>		Saskatchewan(1), and in non-commo	
California(2), and Colorado(1) Porcine Epidemic Diarrhea in Canada • <u>Ontario</u> has reported five outbreaks of PED since the end of Decemb	per 2023, two in finishe		
Tuberculosis in Canada• In Quebec's far north, the number of TB cases reported throughout with pulmonary TB in 2023		No. of weeks in report: 03 ghest in recent decades; a total of 8:	Avg. Rating: 2.7 I people wer e diagnosed
<ul> <li>African Swine Fever in Asia</li> <li>In the <u>Philippines</u>, ~100 doses of unauthorized ASF vaccines were re</li> <li><u>Vietnam</u> has recently reported cases of ASF in Nghe An; outbreaks h more in the Mekong Delta region in the south</li> <li><u>Hong Kong</u> has reported another farm positive for ASF, making it the</li> </ul>	ave also recently occur	red in three provinces in the north o	Avg. Rating: 2.0 - 2.5
<ul> <li>Highly Pathogenic Avian Influenza in Asia</li> <li>South Korea has reported an additional case of HPAI bringing the tot its prevention and response measures to the HPAI H5N6 outbreaks</li> <li>Japan has reported outbreaks of HPAI in domestic poultry in Gunma</li> <li>Japan and Hong Kong have reported HPAI H5N1 in wild birds</li> </ul>	tal number of HPAI case	es at local farms this winter to 27; <u>th</u>	Avg. Rating: 2.0 <u>ne country</u> has also outlined



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SCIENTIFIC FINDINGS, REPORTS, AND GUIDANCE:
African Swine Fever
The Long-Jumping of African Swine Fever: First Genotype II Notified in Sardinia, Italy Read More
<u>Coronavirus</u>
Chronic shedding of a SARS-CoV-2 Alpha variant in wastewater Read More
Experimental SARS-CoV-2 Infection of Elk and Mule Deer Read Max
Severe pneumonia with co-infection of H5N1 and SARS-CoV-2: a case report Read Max
Foot and Mouth Disease
Detection of foot-and-mouth disease viruses from the A/AFRICA/G-I genotype in the Sultanate of Oman Read Max
Influenza
Influenza virus immune imprinting dictates the clinical outcomes in ferrets challenged with highly pathogenic avian influenza virus H5N1
Pre-print: Potential pandemic risk of circulating swine H1N2 influenza viruses Read Mare
A N193D substitution in the HPAI H5N1 virus alters receptor binding affinity and enhances virulence in mammalian hosts Read Mare
Vectors and Vector-borne Diseases
PAHO - Epidemiological update Western Equine Encephalitis in the Region of the Americas - 10 January 2024 Read Mare
Slack legged ticks increasing in Saskatchewan Read More
Other
Nasal bots carry relevant titers of CWD prions in naturally infected white-tailed deer Read More
Combining Digital and Molecular Approaches Using Health and Alternate Data Sources in a Next-Generation Surveillance System for Read More Anticipating Outbreaks of Pandemic Potential

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 fromtwenty-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.