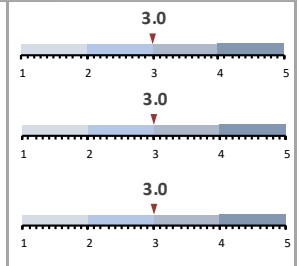


## SUMMARY: RELEVANT SIGNALS (includes all signals rated ≥3.0)

### Highly Pathogenic Avian Influenza

- ◆ **Argentina** has reported the first detection of HPAI H5 in wild birds in the **Pozuelos** lagoon, near the border with **Bolivia** [Read More](#)
- ◆ **Uruguay** has reported the country's first case of a HPAI H5 in 5 black-necked swans in **Laguna Garzon** [Read More](#)
- ◆ **Guatemala** has reported its first HPAI H5N1 detection in wild birds, which involves brown pelicans found dead near the end of January at a nature park in **Izabal** department in the eastern part of the country [Read More](#)



## NEW EVENTS: (events rated > 2)



### Highly Pathogenic Avian Influenza H5 in Uruguay

**Pathogen:** Virus; **Transmission:** Direct contact, aerosol, fomite; **Species affected in event:** Black-necked swan

① Uruguay has reported the country's first case of a HPAI H5 in five black-necked swans in Laguna Garzon. This is the first detection in South America in the Atlantic Flyway. [Read More](#)

Avg. Rating	2.7 - 3.0
No. of Signal	4
No. of Ratings	6 - 7

### Highly Pathogenic Avian Influenza H5 in Argentina

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

① Argentina has reported the first detection of HPAI H5 in wild birds in the Pozuelos lagoon, near the border with Bolivia. [Read More](#)

Avg. Rating	2.5 - 3.0
No. of Signal	5
No. of Ratings	6

### Highly Pathogenic Avian Influenza H5N1 in Guatemala

**Pathogen:** Virus; **Transmission:** Direct contact, aerosol, fomite; **Species affected in event:** Brown pelican

① Guatemala has reported its first HPAI H5N1 detection in wild birds, which involves brown pelicans found dead near the end of January at a nature park in Izabal department in the eastern part of the country. [Read More](#)

Avg. Rating	2.4 - 3.0
No. of Signal	3
No. of Ratings	2 - 7

### ★ Getahvirus in China

**Pathogen:** Virus; **Transmission:** Vector; **Species affected in event:** Porcine

① China has reported three outbreaks of Getahvirus in sow farms during the fall 2022 season. The first outbreak occurred in a 2000-sow breeding herd in the north of China in early fall 2022. Individual pigs in several litters of pigs presented with fever, incoordination, trembling, depression, diarrhea, and death. A second case occurred in a 2400-sow farrow-to-wean farm in east central China in September-October 2022, where an abortion storm lasted for several weeks, peaking at about 20 litters per week aborted. A third case affecting a large scale farrow-to-wean operation in north central China presented in late fall 2022 as a strong uptick in abortions. [Read More](#)

Avg. Rating	2.5
No. of Signal	1
No. of Ratings	16

### Orthoreovirus in Ontario

**Pathogen:** Virus; **Transmission:** Fecal-oral; **Species affected in event:** Crow

① In November 2022, the Canadian Wildlife Health Cooperative received multiple reports of dead crows from the Chatham-Kent region, with no apparent cause of death. Spleen and intestine from one crow were sent for virus isolation and an orthoreovirus was isolated from this tissue. Although there have been other reoviruses detected in other bird species, this specific reovirus only appears to negatively affect crows. [Read More](#)

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

### ⊗ Illheus virus in Brazil

**Pathogen:** Virus; **Transmission:** Vector; **Species affected in event:** Human

① A 41-year-old woman from Simões Filho is in the ICU after being diagnosed with Illheus virus. Illheus virus is transmitted through mosquitoes and is common in birds and rodents, but rare in humans. It was discovered in the municipality of Ilhéus, south of Bahia, in 1947. Since then, there are only records of it in Brazil, Ecuador and Bolivia. [Read More](#)

Avg. Rating	2.1
No. of Signal	1
No. of Ratings	5

## CONTINUED EVENTS: (events rated ≥ 2.4)

<p><b><u>Highly Pathogenic Avian Influenza in South America</u></b></p> <ul style="list-style-type: none"> <li>• <a href="#">Chile</a> has confirmed a sea lion H5N1 infection in Antofagasta; this is the first case of a marine mammal affected by this virus in Chile</li> <li>• <a href="#">Chile</a> and <a href="#">Bolivia</a> have reported cases of HPAI H5N1 in wild birds</li> <li>• <a href="#">Bolivia</a> will implement a vaccination program for farm chickens to prevent further spread of HPAI; they are preparing to import ~25 million vaccines</li> </ul>	<p><b><u>No. of Signals: 5</u></b></p>	<p><b><u>No. of weeks in report: 14</u></b></p>	<p><b><u>Avg. Rating: 2.3 - 2.8</u></b></p>
<p><b><u>Highly Pathogenic Avian Influenza in North America</u></b></p> <ul style="list-style-type: none"> <li>• Over the last week, <a href="#">Canada</a> has not reported any new outbreaks of HPAI</li> <li>• Over the last week, the <a href="#">USDA</a> has reported outbreaks of HPAI H5N1 in WOAHP poultry in: Mississippi and New York; and in WOAHP non-poultry in: Pennsylvania, Florida, Washington, Kansas, and Missouri</li> <li>• The CDC Influenza Risk Assessment Tool is used to estimate the pandemic risk of influenza viruses; they have released an <a href="#">updated statement</a> on HPAI H5N1 indicating that “the assessment is still current as no changes in recent contemporary H5N1 viruses have been seen” and “the current risk to the general public from contemporary H5N1 viruses at this time is still considered low”</li> </ul>	<p><b><u>No. of Signals: 04</u></b></p>	<p><b><u>No. of weeks in report: 57</u></b></p>	<p><b><u>Avg. Rating: 2.0 – 2.5</u></b></p>
<p><b><u>Nipah Virus in Bangladesh</u></b></p> <ul style="list-style-type: none"> <li>• Between January 4, 2023 and February 13, 2023, 11 cases (10 confirmed and one probable) including eight deaths (73% CFR) have been reported across two divisions in <a href="#">Bangladesh</a></li> </ul>	<p><b><u>No. of Signals: 03</u></b></p>	<p><b><u>No. of weeks in report: 05</u></b></p>	<p><b><u>Avg. Rating: 2.0 - 2.4</u></b></p>
<p><b><u>Highly Pathogenic Avian Influenza in Europe</u></b></p> <ul style="list-style-type: none"> <li>• <a href="#">Scotland</a> and the <a href="#">Czech Republic</a> have reported HPAI H5N1 in domestic poultry</li> <li>• <a href="#">Switzerland</a>, <a href="#">Hungary</a>, <a href="#">England</a>, <a href="#">Sweden</a>, <a href="#">Slovakia</a>, <a href="#">Czech Republic</a>, and <a href="#">Romania</a> have reported HPAI H5N1 in wild birds</li> <li>• A summary of the overall HPAI situation in Europe is available <a href="#">here</a></li> </ul>	<p><b><u>No. of Signals: 11</u></b></p>	<p><b><u>No. of weeks in report: 113</u></b></p>	<p><b><u>Avg. Rating: 2.0 – 2.2</u></b></p>
<p><b><u>Highly Pathogenic Avian Influenza in Asia</u></b></p> <ul style="list-style-type: none"> <li>• <a href="#">Taiwan</a> has reported HPAI H5N5 in domestic poultry in Dalin Township</li> </ul>	<p><b><u>No. of Signals: 01</u></b></p>	<p><b><u>No. of weeks in report: 90</u></b></p>	<p><b><u>Avg. Rating: 2.0</u></b></p>

## SCIENTIFIC FINDINGS & REPORTS:

### **Coronavirus**

- ◆ SARS-CoV-2 Spillover to Wild Coatis in Sylvatic–Urban Hotspot, Brazil [Read More](#)
- ◆ Animal Models, Zoonotic Reservoirs, and Cross-Species Transmission of Emerging Human-Infecting Coronaviruses [Read More](#)
- ◆ SARS-CoV-2 Infection in a Hippopotamus, Hanoi, Vietnam [Read More](#)

### **Influenza**

- ◆ Avian influenza: A BC clinician’s guide to diagnosis and management [Read More](#)
- ◆ DEFRA Updated Outbreak Assessment #39 - Highly pathogenic avian influenza (HPAI) in the UK and Europe [Read More](#)

### **Other**

- ◆ Diverse DNA virus genomes identified in fecal samples of Mexican free-tailed bats (*Tadarida brasiliensis*) captured in Chiricahua Mountains of southeast Arizona (USA) [Read More](#)
- ◆ Evidence of cat-to-human transmission of *Staphylococcus felis* [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.