WEEKLY INTELLIGENCE REPORT

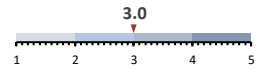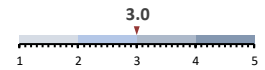**November 1st – November 7th, 2021**

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

African Swine Fever

- As of Oct 31 2021, a total of 136 outbreaks of ASF have been identified in the **Dominican Republic**; sequencing has detected the wild strain Georgia 2007, genotype 2 *Read More*

  3.0 | 1 2 3 4 5

- In **China**, scientists have reported the emergence of ASF viruses of genotype 1 leading to chronic infections *Read More*

  3.0 | 1 2 3 4 5

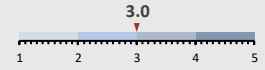### SARS-CoV-2

- A new study of hundreds of white-tailed deer infected with the coronavirus in **Iowa** has found that the animals probably are contracting the virus from humans, and then rapidly spreading it among one another *Read More*

  3.0 | 1 2 3 4 5

NEW EVENTS: (events rated > 2)

☐ **Chronic Wasting Disease in Manitoba deer**

Pathogen: Prion ; **Transmission**: Direct contact, environmental exposure ; **Species affected in event**: Deer

ⓘ On Oct. 14, as part of the province's wildlife health surveillance program, a male mule deer was observed to be unhealthy and was euthanized in western Manitoba, near Lake of the Prairies. Subsequent testing found the animal to have CWD. This is the first time this disease has been found in Manitoba. Other animals in the area may also have CWD, so to ensure the disease is not spread through the transport of a diseased carcass, Manitoba will be immediately implementing a ban on hunting deer, moose, caribou and elk in the area. *Read More*

Avg. Rating	2.8
No. of Signal	1
No. of Ratings	5

CONTINUED EVENTS: (events rated ≥ 2.4)

African Swine Fever in the Caribbean   No. of Signals: 01   No. of weeks in report: 10   Avrg. Rating: 3.0

- As of Oct 31 2021, a total of 136 outbreaks of ASF have been identified in the Dominican Republic; sequencing has detected the wild strain Georgia 2007, genotype 2

COVID-19 Worldwide (as of November 7, 2021)   No. of Signals: 11   No. of weeks in report: 59   Avrg. Rating: 1.0 - 3.0

- Worldwide, there have been 249,507,923 confirmed cases of COVID-19 with 5,044,654 deaths reported
- In Canada, there have been 1,727,686 cases of COVID-19 with 29,132 deaths reported
- In the USA, two hyenas at the Denver zoo have tested positive for SARS-CoV-2, the first confirmed cases among the animals worldwide
- For more information on SARS-CoV-2 in deer, dogs, and cats please refer to the scientific findings section at the bottom of this report

Highly Pathogenic Avian Influenza in Europe   No. of Signals: 16   No. of weeks in report: 48   Avrg. Rating: 2.0 – 2.5

- France has raised its avian flu risk level to high risk in view of the rapid progression of the avian influenza virus in Europe
- The Netherlands have reported outbreaks of HPAI H5N1 on a poultry farm in Grootschermer and HPAI H5 in Flevoland
- The UK has declared an Avian Influenza Prevention Zone across the whole of Great Britain after multiple detections of HPAI: a case of HPAI H5N1 has been confirmed in poultry and wild birds in north Wales; more than a dozen swans in Stratford-upon-Avon have been killed by avian influenza; Scotland has reported HPAI in poultry in Angus
- Serbia has reported HPAI H5N1 and H5N2 in wild birds
- Sweden and the Netherlands have reported HPAI H5N1 in wild birds
- A summary of the overall HPAI situation in Europe is available here

Influenza A (H5N6) in China   No. of Signals: 04   No. of weeks in report: 17   Avrg. Rating: 2.0 – 2.5

- China has reported another human case of H5N6 avian influenza in Hunan; this brings the total number of cases reported in China since 2014 to 51
- The CDC has released an update/summary on the monitoring of influenza A H5N6

African Swine Fever in Europe   No. of Signals: 04   No. of weeks in report: 114   Avrg. Rating: 2.0 - 2.5

- In Bulgaria, cases of ASF have been found in wild boar in the Kardzhali region in the state forest hunting farms in Ardino, Krumovgrad, Kirkovo, and Zhenda
- The Russian Research Institute for Civil Defense and Emergency Situations has warned about the high threat of worsening the ASF epidemic in 11 Russian regions in the coming months

Influenza A (H1N1 & H3N2) in the US   No. of Signals: 02   No. of weeks in report: 10   Avrg. Rating: 2.0 – 2.5

- CDC's FluView Report reports three novel flu infections from the 2020-2021 flu season, all of them of swine origin, bringing the number of novel swine variant viruses reported during the 2020-21 influenza season to 14, with 1 reported for the 2021-2022 season

Highly Pathogenic Avian Influenza in Asia   No. of Signals: 03   No. of weeks in report: 37   Avrg. Rating: 2.0 – 2.3

- South Korea has reported HPAI H5N1 in wild birds

SCIENTIFIC FINDINGS:

- ◈ Pre-print: Multiple spillovers and onward transmission of SARS-Cov-2 in free-living and captive White-tailed deer (*Odocoileus virginianus*)   [Read More]

- ◈ SARS-CoV-2 exposure in wild white-tailed deer (*Odocoileus virginianus*)   [Read More]

- ◈ Infection with SARS-CoV-2 variant B.1.1.7 detected in a group of dogs and cats with suspected myocarditis   [Read More]

- ◈ Genotype I African swine fever viruses emerged in domestic pigs in China and caused chronic infection   [Read More]

- ◈ Emergence and prevalence of naturally occurring lower virulent African swine fever viruses in domestic pigs in China in 2020   [Read More]

- ◈ Phylodynamic analysis of an emergent *Mycobacterium bovis* outbreak in an area with no previously known wildlife infections   [Read More]

- ◈ Assessing the introduction risk of vector-borne animal diseases for the Netherlands using MINTRISK: A Model for INTegrated RISK assessment   [Read More]

- ◈ Characteristics of the 100 largest modern zoonotic disease outbreaks   [Read More]

- ◈ New coronavirus, probably from dogs, infects people in Malaysia and Haiti   [Read More]