

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

No relevant events to report this week

NEW EVENTS: (events rated > 2)

No new events to report this week

CONTINUED EVENTS: (events rated ≥ 2.4)

African Swine Fever in Europe

No. of Signals: 04

No. of weeks in report: 81

Avg. Rating: 2.1 - 2.9

- In [Germany](#), the number of ASF cases in wild boar currently stands at 302 across two regions (287 in Brandenburg and 15 in Saxony)
- Romania has reported outbreaks of ASF in both [domestic swine](#) and [wild boar](#)

Porcine Epidemic Diarrhea in Canada, Ontario

No. of Signals: 01

No. of weeks in report: 08

Avg. Rating: 2.8

- An outbreak of PED has been reported in finishing operation in Lambton County, [Ontario](#)

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 07

No. of weeks in report: 08

Avg. Rating: 2.3 - 2.6

- [Japan](#) has reported additional outbreaks of HPAI H5, with outbreaks being reported across 12/47 prefectures
- [South Korea](#) has completed the culling of 6.1 million poultry nationwide to curb the spread of HPAI H5N8, as the total farm-related caseload reached 18

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 16

No. of weeks in report: 08

Avg. Rating: 2.1 - 2.5

- [Scotland](#) has confirmed a flock of birds from a farm on the Island of Sanday in Orkney has tested positive for HPAI H5N8
- The [Netherlands](#) have reported an outbreak of HPAI H5N1 at a poultry farm in Friesland
- In [England](#), HPAI H5N8 has been confirmed in poultry and captive birds in Derbyshire
- [Denmark](#) has reported HPAI H5N8 in captive birds
- Various strains of HPAI have also been detected in wild birds in: [Netherlands](#), [Belgium](#), [England](#), [Wales](#), [Germany](#), [Italy](#), and [Slovenia](#)
- A summary of the HPAI situation in Europe can be viewed [here](#)

COVID-19 Worldwide (as of December 20, 2020)

No. of Signals: 63

No. of weeks in report: 41

Avg. Rating: 1.1 – 2.5

- Worldwide, there were 77,267,837 confirmed cases of [COVID-19](#) with 1,701,668 deaths reported
- In [Canada](#), the National Microbiology Laboratory has reported 507,795 cases of COVID-19 and 14,228 deaths: British Columbia (45,400 confirmed, 724 deaths), Alberta (90,219 confirmed, 851 deaths), Saskatchewan (13,555 confirmed, 118 deaths), Manitoba (22,859 confirmed, 569 deaths), Ontario (155,930 confirmed, 4150 deaths), Quebec (176,985 confirmed, 7736 deaths), Newfoundland and Labrador (382 confirmed, 4 deaths), New Brunswick (574 confirmed, 8 deaths), Nova Scotia (1445 confirmed, 65 deaths), Prince Edward Island (91), Yukon (59 confirmed, 1 death), Northwest Territories (24), Nunavut (259 confirmed, 2 deaths), repatriated Canadians (13)
- [Greece](#) has reported that additional mink farms have tested positive for SARS-CoV-2, they've also detected the Y453F mutation in the spike (S) protein of the virus (mink-related-variant) in 5 sequenced SARS-CoV-2 genomes from human cases directly related to mink farms (farm workers/owners)
- A new variant of SARS-CoV-2, which appears to be spreading far more rapidly than earlier variants, has been identified in the [UK](#)

SCIENTIFIC FINDINGS/REPORTS:

- ◆ Susceptibility of Domestic Swine to Experimental Infection with Severe Acute Respiratory Syndrome Coronavirus 2

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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.