COVID-19

Two cats have reportedly tested positive for SARS-CoV-2 in New York. Both had owners who were COVID-19 positive, and both animals were reportedly exhibiting respiratory signs. Additional samples are being sent to National Veterinary Services Laboratories for confirmation.

NEW EVENTS: (events rated > 2)

- **Treponeme Associated Hoof Disease in Southwestern Oregon, USA**
  - **Pathogen:** Bacteria; **Transmission:** Direct contact; **Species affected in event:** Elk
  - A hunter harvested adult cow elk seen limping in the Indigo Unit east of Sutherlin tested positive for Treponeme Associated Hoof Disease. It is the first known elk to test positive for this disease in Douglas County and is the southern-most location of a confirmed case in Oregon. Two more elk from this herd that had also been observed limping are currently being tested, and another elk from north of Oakland (also in Douglas County) tested positive for TAHD.

- **Vesicular Stomatitis in New Mexico, USA**
  - **Pathogen:** Virus; **Transmission:** Vector-borne; **Species affected in event:** Equine
  - Vesicular stomatitis virus (VSV) infection (Indiana serotype) has been reported on an equine premises in Dona Ana County, New Mexico. A 2nd equine premises in Sierra County, New Mexico, subsequently confirmed VSV with compatible clinical signs and reverse transcription-polymerase chain reaction (RT-PCR) positive results for VSV (Indiana serotype). This is the 2020 VSV index case for the United States and subsequent VSV case for New Mexico.
CONTINUED EVENTS: (events rated ≥ 2.4)

COVID-19 Worldwide (as of April 19, 2020)
- No. of Signals: 118
- No. of weeks in report: 15
- Avrg. Rating: 1.2 – 3.0

- Worldwide, there were 2,419,194 confirmed cases of COVID-19 with 165,775 deaths reported
- In Canada, the National Microbiology Laboratory confirmed 34,777 cases of COVID-19, 9 probable and 1580 deaths: British Columbia (1618 confirmed, 78 deaths), Alberta (2562 confirmed, 51 deaths), Saskatchewan (314 confirmed, 1 probable, 4 deaths), Manitoba (245 confirmed, 8 probable, 5 deaths), Ontario (10,578 confirmed, 553 deaths), Quebec (18,357 confirmed, 877 deaths), Newfoundland and Labrador (257 confirmed, 3 death), New Brunswick (118), Nova Scotia (675 confirmed, 9 deaths), Prince Edward Island (26), Yukon (9), Northwest Territories (5), Nunavut (0) and repatriated Canadians (13)
- Two cats, both from COVID-19 positive owners, reportedly tested positive for SARS-CoV-2 in New York; both animals were reportedly exhibiting respiratory signs and additional samples are being sent to National Veterinary Services Laboratories for confirmation
- Biologists and wildlife-rehabilitation volunteers are being warned not to handle bats during the COVID-19 pandemic to reduce the possibility of infecting millions of the flying mammals in North America
- In Canada, three meat processing plants in Alberta (Cargill, JBS, Harmony) have reported COVID-19 outbreaks, with the Cargill plant (linked to more than 400 cases) temporarily shutting down as a result
- In the US, meat processing plants in Iowa and South Dakota have also reported large outbreaks of COVID-19 and have shut down as a result

Highly Pathogenic Avian Influenza in Europe
- No. of Signals: 03
- No. of weeks in report: 07
- Avrg. Rating: 2.4 - 2.6

- Hungary confirmed 30 new cases of HPAI H5N8 in domestic poultry, all reported as secondary outbreaks located in Kecskemét district, northern part of the Bács-Kiskun County, where several farms have been reported positive to the same serotype in the preceding weeks
- Bulgaria has reported two outbreaks of HPAI NSN8 in two provinces (Kardzhali & Plovdiv) both on farms in the south central part of the country

African Horse Sickness in Thailand
- No. of Signals: 02
- No. of weeks in report: 04
- Avrg. Rating: 2.2 – 2.6

- In Thailand, 192 horses in six provinces have died from AHS as of last week, an increase of nearly 40 from the week before
- Around 12,000 horses, ponies, mules, donkeys, and zebras in Thailand face the threat of AHS—which might have entered the country through affected zebras

African Swine Fever in Asia
- No. of Signals: 02
- No. of weeks in report: 68
- Avrg. Rating: 2.0 - 2.6

- In China, a new outbreak of ASF was reported in domestic swine in Jiangsu Sheng
- In South Korea additional wild boar continue to test positive for ASF

Rabbit Hemorrhagic Disease in US
- No. of Signals: 02
- No. of weeks in report: 02
- Avrg. Rating: 2.0 - 2.4

- Rabbit hemorrhagic disease virus 2 (RHDV2) has been confirmed in Texas for the first time on 10 Apr 2020 in domestic rabbits on a Hockley County premises
- In New Mexico, RHDV2 has now been confirmed in domestic rabbits in: Chaves, Cibola, Curry, Dona Ana, Eddy, Grant, Lincoln, McKinley, Santa Fe, Socorro, Torrance, and Valencia Counties

SCIENTIFIC FINDINGS:

- Characteristics of the first H16N3 subtype influenza A viruses isolated in western China

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.