Immediate notification

18/12/2020

The event is ongoing. Weekly follow-up reports will be submitted.

Sender	Country/territory	Report ID
Delegate of United States of America	United States of America	IN_37147
Event status	Self-declaration	
On-going	No	

General information

Country or zone - Country	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 22/10/2020
Animal type - Terrestrial	Confirmed on - 13/04/2021	Causal agent - SARS-CoV-2
Disease category - Emerging	Reported on - 18/12/2020	Reason - Emerging disease

Disease impact

Outbreak morbidity - 2.0	Outbreak mortality - 1.0
Zoonotic potential - Yes	Zoonotic potential description - Zoonotic potential under investigation

Epidemiology

Source of the event or origin of the infection - Suspected human transmission

Epidemiological commentsTexas (TX): A domestic cat from a known positive COVID-19 household was confirmed positive for SARS-CoV-2 at the National Veterinary Services Laboratories (NVSL) based upon molecular testing (PCR and sequencing). The cat showed no clinical signs and continues to be asymptomatic. Samples for this case were collected as part of planned and targeted active surveillance of a specific animal, with known or suspected exposures to a person with COVID-19 or other exposure to SARS-CoV-2, to better understand risk factors for SARS-CoV-2 transmission. Texas (TX): Two domestic cats sharing a known positive COVID-19 household were confirmed positive for SARS-CoV-2 at the NVSL based upon molecular testing (PCR and sequencing). The first cat showed clinical signs of sneezing and coughing. The second cat was asymptomatic. Samples for these cases were collected as part of planned and targeted active surveillance of a specific animal, with known or suspected exposures to a person with COVID-19 or other exposure to SARS-CoV-2, to better understand risk factors for SARS-CoV-2 transmission. Texas (TX): A domestic cat from a known positive COVID-19 household was confirmed positive for SARS-CoV-2 at the NVSL based upon molecular testing (PCR and sequencing). The cat, who showed clinical signs of tremors, vomiting and sneezing, has reportedly recovered. Florida (FL): A domestic dog from a known positive COVID-19 household was confirmed positive for SARS-CoV-2 at the National Veterinary Services Laboratories based upon molecular testing (PCR and sequencing). The dog, who had a recent history of respiratory issues with antibiotic and steroid treatment, has reportedly recovered. A second dog in the household has remained asymptomatic. Pennsylvania (PA): A domestic dog from a known positive COVID-19 household was confirmed positive for SARS-CoV-2 at the National Veterinary Services Laboratories based upon molecular testing (PCR and sequencing). The dog, who has a chronic history of respiratory issues, was diagnosed with pneumonia in late summer 2020 which reportedly improved with treatment. Recently, the dog was presented to the veterinarian for a recurrence of respiratory clinical signs that did not show improvement with treatment. Testing for comorbidities, including breed-associated autoimmune disease, is in progress. Kentucky (KY): One snow leopard at a zoo was confirmed positive for SARS-CoV-2 at the National Veterinary Services Laboratories based upon molecular testing (PCR and sequencing). The affected snow leopard exhibited mild respiratory clinical signs, including an occasional dry cough or wheeze. Two additional snow leopards who were also showing clinical signs, were sampled and results are pending. It is likely that the SARS-CoV-2 virus was transmitted to the snow leopards by an infected human. All snow leopards are progressively recovering and were removed from public exhibition at the onset of clinical signs. There are no other suspected cases of SARS-CoV-2 in any animals from the zoo at this time. Wisconsin (WI): A domestic cat from a known positive COVID-19 household was confirmed positive for SARS-CoV-2 at the National Veterinary Services Laboratories based upon molecular testing (PCR and sequencing). The cat, who showed clinical signs of lethargy, sinus congestion, wheezing, sneezing and nasal discharge has reportedly recovered. Kansas (KS): A domestic dog from a known positive COVID-19 household was confirmed positive for SARS-CoV-2 at the National Veterinary Services Laboratories based upon molecular testing (PCR and sequencing). The dog, who was scheduled for a surgical procedure, displayed nasal discharge

on pre-surgical examination and was sampled as a precautionary measure. There is a single SARS-CoV-2 event occurrence in the United States of America, however, for WAHIS technical reasons, any new outbreak in the country will be reported from now on in this new event and not in the one first reported in April 2020.

Control measures at event level

Domestic control measures

Applied
- Quarantine
- Disinfection

Wild control measures

Applied
- Quarantine
- Disinfection

Diagnostic

Clinical signs - No

Method of diagnostic - Diagnostic test

Test name	Category	Test type	Laboratory	Species sampled	Outbreaks	Tested from	Tested until	Result
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	National Veterinary Services Laboratories	Cats		16/11/2020		Positive
Gene sequencing	Genotyping	Laboratory Test	National Veterinary Services Laboratories	Cats		16/11/2020		Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	National Veterinary Services Laboratories	Dogs		07/12/2020		Positive
Gene sequencing	Genotyping	Laboratory Test	National Veterinary Services Laboratories	Dogs		07/12/2020		Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	National Veterinary Services Laboratories	Cats		07/12/2020		Positive
Gene sequencing	Genotyping	Laboratory Test	National Veterinary Services Laboratories	Cats		07/12/2020		Positive
Real-time reverse transcription polymerase chain	Nucleic acid detection	Laboratory Test	National Veterinary Services Laboratories	Snow Leopard		10/12/2020		Positive

reaction (rRT-PCR)								
Gene sequencing	Genotyping	Laboratory Test	National Veterinary Services Laboratories	Snow Leopard		10/12/2020		Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	National Veterinary Services Laboratories	Dogs		11/12/2020		Positive
Gene sequencing	Genotyping	Laboratory Test	National Veterinary Services Laboratories	Dogs		11/12/2020		Positive

Quantitative data summary

Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
Cats	New	5	5	0	0	0	-	-	-
Cats	Total	5	5	0	0	0	-	100.0	0.0
Snow Leopard (Panthera uncia):Felidae-Carnivora	New	3	3	0	0	0	-	-	-
Snow Leopard (Panthera uncia):Felidae-Carnivora	Total	3	3	0	0	0	-	100.0	0.0
Dogs	New	5	3	0	0	0	-	-	-
Dogs	Total	5	3	0	0	0	-	60.0	0.0
All species	New	13	11	0	0	0	-	-	-
All species	Total	13	11	0	0	0	-	84.62	0.0

Event morbidity - 2.0

Event mortality - 1.0

Outbreaks

1000141415-Riley County

Started on - 03/12/2020

First administrative division - Kansas

Second administrative division - Riley

Epidemiological unit - Other

Geographic coordinates - 39.185,-96.559

Location - Riley County

Description of the affected populationPet domestic dogs (Canis lupus familiaris) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	2	1	0	0	0	-
Dogs	Total	Animal	2	1	0	0	0	-
All species	New	Animal	2	1	0	0	0	-

All species	Total	Animal	2	1	0	0	0	-

1000141417-Okaloosa County

Started on - 08/11/2020

First administrative division - Florida

Second administrative division - Okaloosa

Epidemiological unit - Other

Geographic coordinates - 30.725,-86.568

Location - Okaloosa County

Description of the affected populationPet domestic dogs (Canis lupus familiaris) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	2	1	0	0	0	-
Dogs	Total	Animal	2	1	0	0	0	-
All species	New	Animal	2	1	0	0	0	-
All species	Total	Animal	2	1	0	0	0	-

1000141418-Tarrant County

Started on - 20/11/2020

First administrative division - Texas

Second administrative division - Tarrant

Epidemiological unit - Other

Geographic coordinates - 32.801,-97.469

Location - Tarrant County

Description of the affected populationPet domestic cat (Felis catus) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	1	1	0	0	0	-
Cats	Total	Animal	1	1	0	0	0	-
All species	New	Animal	1	1	0	0	0	-
All species	Total	Animal	1	1	0	0	0	-

1000141361-Washington County

Started on - 13/11/2020

First administrative division - Pennsylvania

Second administrative division - Washington

Epidemiological unit - Other

Geographic coordinates - 40.183,-80.26

Location - Washington County

Description of the affected populationPet domestic dog (Canis lupus familiaris) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	1	1	0	0	0	-
Dogs	Total	Animal	1	1	0	0	0	-
All species	New	Animal	1	1	0	0	0	-
All species	Total	Animal	1	1	0	0	0	-

1000141363-Eau Claire County

Started on - 17/11/2020

First administrative division - Wisconsin

Second administrative division - Eau Claire

Epidemiological unit - Other

Geographic coordinates - 44.831,-91.488

Location - Eau Claire County

Description of the affected populationPet domestic cat (Felis catus) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	1	1	0	0	0	-
Cats	Total	Animal	1	1	0	0	0	-
All species	New	Animal	1	1	0	0	0	-
All species	Total	Animal	1	1	0	0	0	-

1000141354-Brazos County

Started on - 22/10/2020

First administrative division - Texas

Second administrative division - Brazos

Epidemiological unit - Other

Geographic coordinates - 30.681,-96.305

Location - Brazos County

Description of the affected populationPet domestic cats (Felis catus) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	2	2	0	0	0	-
Cats	Total	Animal	2	2	0	0	0	-
All species	New	Animal	2	2	0	0	0	-
All species	Total	Animal	2	2	0	0	0	-

1000141355-Brazos County

Started on - 15/11/2020

First administrative division - Texas

Second administrative division - Brazos

Epidemiological unit - Other

Geographic coordinates - 30.711,-96.402

Location - Brazos County

Description of the affected populationPet domestic cat (Felis catus) in a residential household

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	1	1	0	0	0	-
Cats	Total	Animal	1	1	0	0	0	-
All species	New	Animal	1	1	0	0	0	-
All species	Total	Animal	1	1	0	0	0	-

1000141358-Jefferson County

Started on - 27/11/2020

First administrative division - Kentucky

Second administrative division - Jefferson

Epidemiological unit - Zoo

Geographic coordinates - 38.278,-85.715

Location - Jefferson County

Description of the affected populationAdult snow leopards (Panthera uncia) in a zoo.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Snow Leopard (Panthera uncia):Felidae-Carnivora	New	Animal	3	3	0	0	0	-
Snow Leopard (Panthera uncia):Felidae-Carnivora	Total	Animal	3	3	0	0	0	-
All species	New	Animal	3	3	0	0	0	-

All species	Total	Animal	3	3	0	0	0	-

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Map legend

OUTBREAKS REPRESENTATION ON MAP

OUTBREAKS NATURE

Single / Cluster

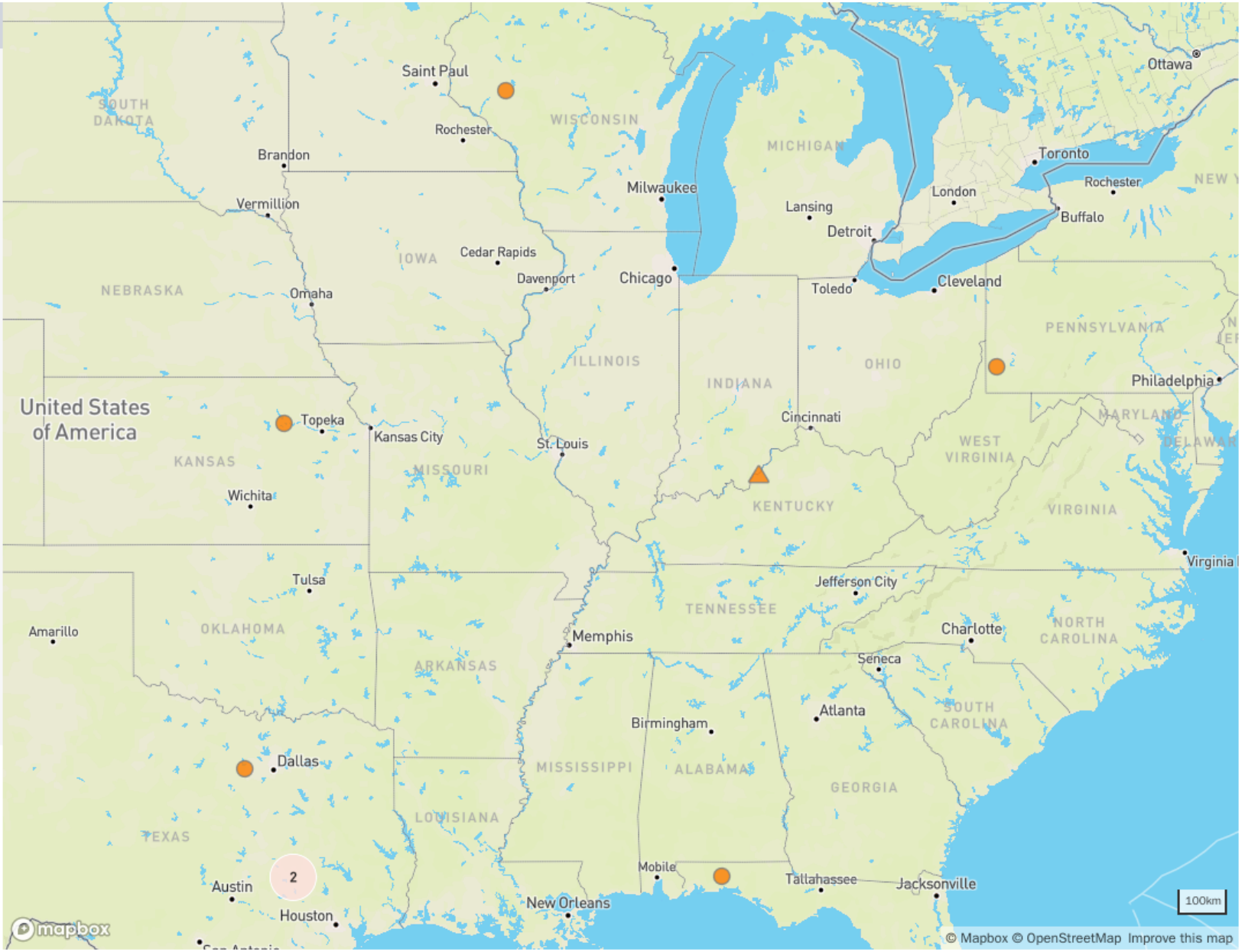
- Domestic species
- Wild species
- Domestic & Wild

OUTBREAKS STATUS

- Outbreak currently reported
- Ongoing outbreak
- Resolved outbreak

AGGREGATION REPRESENTATION

- < 20 outbreaks — 11
- 20 - 100 outbreaks — 50
- > 100 outbreaks — 120



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