

Follow-up report 2

08/01/2021

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	FUR_37493
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 - 08/01/2021	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 comments8 Jan 2021 Update: Kansas (KS): Virus neutralizing antibodies for SARS-CoV-2 have been detected in samples from one additional dog in Riley County, KS who shared the same household with the SARS-CoV-2 confirmed positive dog. Virginia (VA): 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 affected cat, who had a history of cardiac disease, presented to the veterinarian after showing signs of increasing respiratory difficulty. Due to his progressive and severe respiratory distress, the cat was humanely euthanized. Hypertrophic cardiomyopathy was diagnosed postmortem and there is an ongoing animal health investigation into how the concurrent SARS-CoV-2 infection may have affected this animal's clinical outcome. Florida (FL): 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 showed respiratory clinical signs, but has reportedly recovered. No other pets in the same household have shown signs of infection.

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	Nucleic acid detection	Laboratory Test	National Veterinary Services	Cats		16/11/2020		Positive

polymerase chain reaction (rRT-PCR)			Laboratories					
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 reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	National Veterinary Services Laboratories	Snow Leopard		10/12/2020		Positive
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
Gene sequencing	Genotyping	Laboratory Test	National Veterinary Services Laboratories	Dogs		21/12/2020		Positive
Real-time reverse	Nucleic acid detection	Laboratory Test	National Veterinary	Dogs		21/12/2020		Positive

transcription polymerase chain reaction (rRT-PCR)			Services Laboratories					
Virus neutralisation tests (Ab VNT)	Antibody detection tests	Laboratory Test	National Veterinary Services Laboratories	Dogs		21/12/2020		Positive
Gene sequencing	Genotyping	Laboratory Test	National Veterinary Services Laboratories	Snow Leopard		30/12/2020		Positive
Virus neutralisation tests (Ab VNT)	Antibody detection tests	Laboratory Test	National Veterinary Services Laboratories	Dogs		31/12/2020		Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	National Veterinary Services Laboratories	Cats		31/12/2020		Positive
Gene sequencing	Genotyping	Laboratory Test	National Veterinary Services Laboratories	Cats		31/12/2020		Positive

Quantitative data summary

Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
Cats	New	2	2	0	1	0	-	-	-
Cats	Total	7	7	0	1	0	-	100.0	0.0
Snow Leopard (Panthera uncia):Felidae-Carnivora	New	-	-	-	-	-	-	-	-
Snow Leopard (Panthera uncia):Felidae-Carnivora	Total	3	3	0	0	0	-	100.0	0.0
Swine	New	1	-	0	0	0	-	-	-
Swine	Total	1	-	0	0	0	-	-	0.0
Dogs	New	4	-	0	0	0	-	-	-
Dogs	Total	10	4	0	0	0	-	66.67	0.0
All species	New	7	2	0	1	0	-	-	-
All species	Total	21	14	0	1	0	-	87.5	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	-	-	-	-	-	-
Dogs	Total	Animal	2	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
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	-	-	-	-	-	-
Dogs	Total	Animal	2	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
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	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	-

1000142849-Rockingham County

Started on - 07/12/2020

First administrative division - Virginia

Second administrative division -
Harrisonburg

Epidemiological unit - Other

Geographic coordinates -
38.437,-78.851

Location - Rockingham 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
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Cats	New	Animal	1	1	0	1	0	-
Cats	Total	Animal	1	1	0	1	0	-
All species	New	Animal	1	1	0	1	0	-
All species	Total	Animal	1	1	0	1	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	-	-	-	-	-	-
Dogs	Total	Animal	1	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
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	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	-

1000142210-Montgomery County

Started on - 14/12/2020

First administrative division - Pennsylvania Second administrative division - Montgomery

Epidemiological unit - Other

Geographic coordinates - 40.137,-75.342

Location - Montgomery 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	-	-	-	-	-	-
Dogs	Total	Animal	1	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	-

1000141354-Brazos County

Started on - 22/10/2020
Epidemiological unit - Other

First administrative division - Texas
Geographic coordinates -
30.681,-96.305

Second administrative division - Brazos
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	-	-	-	-	-	-
Cats	Total	Animal	2	2	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	2	0	0	0	-

1000142850-Polk County

Started on - 16/12/2020
Epidemiological unit - Other

First administrative division - Florida
Geographic coordinates -
27.839,-81.784

Second administrative division - Polk
Location - Polk County

Description of the affected populationPet domestic cat (Felis catus), dogs (Canis lupus familiaris) and pig (Sus scrofa domesticus) 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	-
Dogs	New	Animal	4	-	0	0	0	-
Dogs	Total	Animal	4	-	0	0	0	-
Swine	New	Animal	1	-	0	0	0	-
Swine	Total	Animal	1	-	0	0	0	-
All species	New	Animal	6	1	0	0	0	-
All species	Total	Animal	6	1	0	0	0	-

1000141355-Brazos County

Started on - 15/11/2020
Epidemiological unit - Other

First administrative division - Texas
Geographic coordinates -
30.711,-96.402

Second administrative division - Brazos
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	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	-

1000141358-Jefferson County

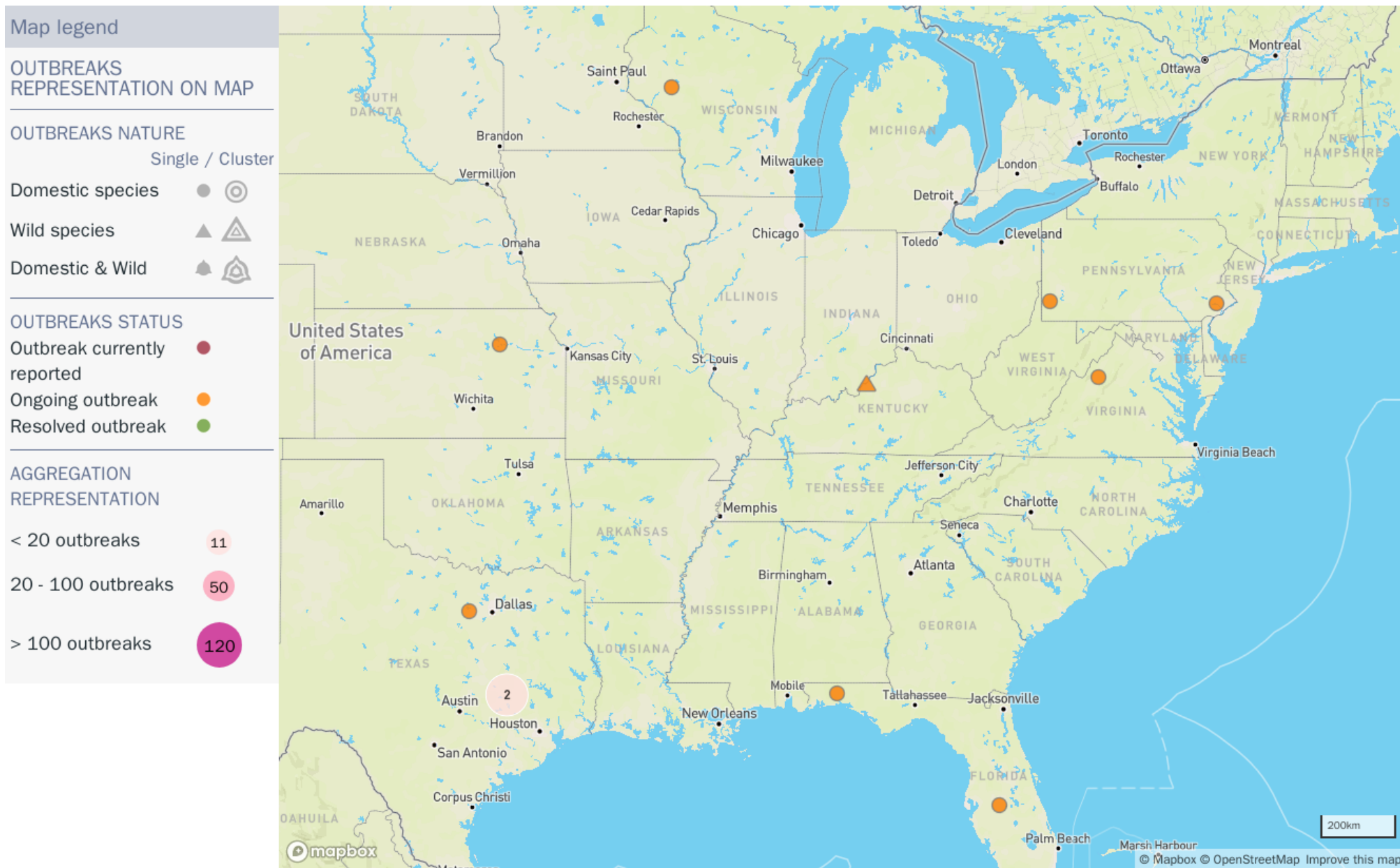
Started on - 27/11/2020
Epidemiological unit - Zoo

First administrative division - Kentucky
Geographic coordinates -
38.278,-85.715

Second administrative division - Jefferson
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	-	-	-	-	-	-
Snow Leopard (Panthera uncia):Felidae-Carnivora	Total	Animal	3	3	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	3	3	0	0	0	-



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