

## Follow-up report 4

14/01/2021

**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_37602
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 - 14/01/2021	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 comments 14 Jan 2021 Update: Kansas (KS): 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 (sequencing). The cat first showed clinical signs of vomiting, dry heaving and vocalizing in the litterbox. Its condition worsened and the cat died, likely due to a urinary blockage diagnosed postmortem. California (CA): 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 (sequencing). The affected cat is reportedly recovering.

### 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 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 transcription polymerase chain reaction	Nucleic acid detection	Laboratory Test	National Veterinary Services Laboratories	Dogs		21/12/2020		Positive

(rRT-PCR)								
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	1	0	0	-	-	-
Cats	Total	9	9	1	1	0	-	100.0	11.11
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	-	-	-	-	-	-	-	-
Swine	Total	1	-	0	0	0	-	-	0.0
Dogs	New	-	-	-	-	-	-	-	-
Dogs	Total	10	4	0	0	0	-	66.67	0.0
Gorilla (Gorilla gorilla):Hominidae-Primates	New	-	-	-	-	-	-	-	-
Gorilla (Gorilla gorilla):Hominidae-Primates	Total	8	3	0	0	0	-	37.5	0.0
All species	New	2	2	1	0	0	-	-	-
All species	Total	31	19	1	1	0	-	73.08	3.23

Event morbidity - 2.0

Event mortality - 1.0

## Outbreaks

### 1000143192-San Bernardino County

Started on - 28/12/2020

First administrative division - California

Second administrative division - San Bernardino

Epidemiological unit - Other

Geographic coordinates -  
34.145,-117.282

Location - San Bernardino 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	-

### 1000143191-Pottawatomie County

Started on - 01/01/2021

First administrative division - Kansas

Second administrative division - Pottawatomie

Epidemiological unit - Other

Geographic coordinates -  
39.386,-96.418

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

### 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
Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	1	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	1	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

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	-	-	-	-	-	-
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

First administrative division - Florida

Second administrative division - Polk

Epidemiological unit - Other

Geographic coordinates -  
27.839,-81.784

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
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Cats	New	Animal	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	0	0	-
Dogs	New	Animal	-	-	-	-	-	-
Dogs	Total	Animal	4	-	0	0	0	-
Swine	New	Animal	-	-	-	-	-	-
Swine	Total	Animal	1	-	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	6	1	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	-	-	-	-	-	-
Cats	Total	Animal	1	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	1	1	0	0	0	-

### 1000143027-San Diego County

Started on - 06/01/2021

First administrative division - California

Second administrative division - San  
Diego

Epidemiological unit - Zoo

Geographic coordinates -  
32.842,-117.12

Location - San Diego County

Description of the affected populationWestern lowland gorillas (Gorilla gorilla gorilla) in a zoo

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Gorilla (Gorilla gorilla):Hominidae-Primates	New	Animal	-	-	-	-	-	-
Gorilla (Gorilla gorilla):Hominidae-Primates	Total	Animal	8	3	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	8	3	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	New	Animal	-	-	-	-	-	-

(Panthera uncia):Felidae-Carnivora								
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	-



