

## Follow-up report 11

23/07/2020

**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	FUR_35140
Event status	Self-declaration	
On-going	No	

### General information

Country or zone - Country	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 27/03/2020
Animal type - Terrestrial	Confirmed on - 04/04/2020	Causal agent - SARS-CoV-2
Disease category - Emerging	Reported on - 23/07/2020	Reason - Emerging disease

### Disease impact

Outbreak morbidity - 2.0	Outbreak mortality - 0.0
Zoonotic potential - Yes	Zoonotic potential description - Zoonotic potential currently unknown

### Epidemiology

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

Epidemiological comments 23 Jul 2020 Update-- Arizona (AZ): 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 affected dog exhibited respiratory clinical signs, but has since reportedly recovered. Texas (TX): 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 no clinical signs and continues to be asymptomatic. Two dogs residing in the same household have remained asymptomatic and tested negative for SARS-CoV-2 by PCR. 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. Virus neutralizing antibodies in the absence of other positive test results have been detected in the following animals (listed by state): 1. 4 cats and 2 dogs from four households (UT)\*\* 2. 2 dogs from different households (WI)\*\* 3. 1 dog (NC)\* As of 23 Jul 2020, total number of animals with detections of virus neutralizing antibody only: 12 \*Animal had exposure to a probable or confirmed human with COVID-19 \*\* Samples 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.

### Control measures at event level

#### Domestic control measures

Applied

- Quarantine
- Disinfection

#### Wild control measures

Applied

- Disinfection
- Quarantine

### Diagnostic

Clinical signs - No	Method of diagnostic - Diagnostic test
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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	Tiger		04/04/2020		Positive
Gene sequencing	Genotyping	Laboratory Test	National Veterinary Services Laboratories	Tiger		04/04/2020		Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	University of Illinois Veterinary Diagnostic Laboratory	Tiger		03/04/2020		Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	Cornell University Animal Health Diagnostic Center	Tiger		03/04/2020		Positive
Gene sequencing	Genotyping	Laboratory Test	Cornell University Animal Health Diagnostic Center	Tiger		05/04/2020		Positive
Gene sequencing	Genotyping	Laboratory Test	University of Illinois Veterinary Diagnostic Laboratory	Tiger		05/04/2020		Positive

## Quantitative data summary

### Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
Lion (Panthera leo):Felidae-Carnivora	New	-	-	-	-	-	-	-	-
Lion (Panthera leo):Felidae-Carnivora	Total	3	3	0	0	0	-	100.0	0.0
Cats	New	2	1	0	0	0	-	-	-
Cats	Total	9	6	1	0	0	-	66.67	11.11
Tiger (Panthera tigris):Felidae-Carnivora	New	-	-	-	-	-	-	-	-

Tiger (Panthera tigris):Felidae-Carnivora	Total	5	4	0	0	0	-	80.0	0.0
Dogs	New	5	1	0	0	0	-	-	-
Dogs	Total	14	5	0	3	0	-	35.71	0.0
All species	New	7	2	0	0	0	-	-	-
All species	Total	31	18	1	3	0	-	58.06	3.23

Event morbidity - 2.0

Event mortality - 0.0

## Outbreaks

### 1000133728-Orange County

Started on - 25/06/2020

First administrative division - California

Second administrative division - Orange

Epidemiological unit - Other

Geographic coordinates -  
33.779,-117.88

Location - Orange 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	2	1	1	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	1	1	0	0	-

### 1000133727-Tarrant County

Started on - 26/06/2020

First administrative division - Texas

Second administrative division - Tarrant

Epidemiological unit - Other

Geographic coordinates -  
32.807,-97.469

Location - Tarrant 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	-

### 1000132241-Cook County

Started on - 19/05/2020

First administrative division - Illinois

Second administrative division - Cook

Epidemiological unit - Other

Geographic coordinates -  
41.678,-87.59

Location - Cook 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	-
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### 1000129234-Bronx County

Started on - 27/03/2020

First administrative division - New York

Second administrative division - Bronx

Epidemiological unit - Zoo

Geographic coordinates -  
40.828,-73.841

Location - Bronx County

Description of the affected populationAdult lions and tigers in a zoo.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Lion (Panthera leo):Felidae-Carnivora	New	Animal	-	-	-	-	-	-
Lion (Panthera leo):Felidae-Carnivora	Total	Animal	3	3	0	0	0	-
Tiger (Panthera tigris):Felidae-Carnivora	New	Animal	-	-	-	-	-	-
Tiger (Panthera tigris):Felidae-Carnivora	Total	Animal	5	4	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	8	7	0	0	0	-

### 1000132088-Carver County

Started on - 20/05/2020

First administrative division - Minnesota

Second administrative division - Carver

Epidemiological unit - Other

Geographic coordinates -  
44.836,-93.636

Location - Carver 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	-

### 1000134254-Maricopa County

Started on - 10/07/2020

First administrative division - Arizona

Second administrative division - Maricopa

Epidemiological unit - Other

Geographic coordinates -  
33.51,-111.958

Location - Maricopa 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	3	1	0	0	0	-

Dogs	Total	Animal	3	1	0	0	0	-
Cats	New	Animal	1	0	0	0	0	-
Cats	Total	Animal	1	0	0	0	0	-
All species	New	Animal	4	1	0	0	0	-
All species	Total	Animal	4	1	0	0	0	-

#### 1000134314-Brazos County

Started on - 28/06/2020

First administrative division - Texas

Second administrative division - Brazos

Epidemiological unit - Other

Geographic coordinates -  
30.72,-96.39

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	-
Dogs	New	Animal	2	0	0	0	0	-
Dogs	Total	Animal	2	0	0	0	0	-
All species	New	Animal	3	1	0	0	0	-
All species	Total	Animal	3	1	0	0	0	-

#### 1000134016-Charleston County

Started on - 26/06/2020

First administrative division - South  
Carolina

Second administrative division -  
Charleston

Epidemiological unit - Other

Geographic coordinates -  
32.821,-80.03

Location - Charleston 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	3	1	0	1	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	3	1	0	1	0	-

#### 1000133487-Berrien County

Started on - 22/06/2020

First administrative division - Georgia

Second administrative division - Berrien

Epidemiological unit - Other

Geographic coordinates -  
31.206,-83.262

Location - Berrien 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	3	1	0	1	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	3	1	0	1	0	-

## 1000130015-Nassau County

Started on - 01/04/2020

First administrative division - New York

Second administrative division - Nassau

Epidemiological unit - Other

Geographic coordinates -  
40.747,-73.624

Location - Nassau 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	-

## 1000132016-Richmond County

Started on - 15/04/2020

First administrative division - New York

Second administrative division - Richmond

Epidemiological unit - Other

Geographic coordinates -  
40.569,-74.191

Location - Richmond County

Description of the affected populationPet domestic German Shepherd 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	1	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	1	0	1	0	-

## 1000130016-Orange County

Started on - 06/04/2020

First administrative division - New York

Second administrative division - Orange

Epidemiological unit - Other

Geographic coordinates -  
41.391,-74.325

Location - Orange 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	2	1	0	0	0	-
All species	New	Animal	-	-	-	-	-	-
All species	Total	Animal	2	1	0	0	0	-



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