

Follow-up report 9

09/07/2020

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_34991 |
| 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 - 09/07/2020 | 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 comments9 Jul 2020 Update— 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 cat first showed clinical signs of difficulty breathing and was later hospitalized for tachypnea, hypothermia and heart murmur. Further diagnostics revealed abnormalities consistent with hypertrophic cardiomyopathy. The cat's condition worsened and it died, likely due to its cardiac condition. The cat tested positive for both mycoplasma felis and SARS-CoV-2 at the initial testing laboratory. A second pet cat in the household has shown no clinical signs of disease. Texas (TX): 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 has shown no clinical signs of illness and was initially tested because it was leaving a COVID-19 positive household and entering a veterinary facility for boarding.

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

| Test name | Category | Test type | Laboratory | Species sampled | Outbreaks | Tested from | Tested until | Result |
|--|------------------------|-----------------|---|-----------------|-----------|-------------|--------------|----------|
| Real-time reverse transcription polymerase | Nucleic acid detection | Laboratory Test | National Veterinary Services Laboratories | Tiger | | 04/04/2020 | | Positive |

| | | | | | | | | |
|---|------------------------|-----------------|---|-------|--|------------|--|----------|
| chain reaction (rRT-PCR) | | | | | | | | |
| 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 | 1 | 0 | 0 | - | - | - |
| Cats | Total | 7 | 5 | 1 | 0 | 0 | - | 71.43 | 14.29 |
| Tiger (Panthera tigris):Felidae-Carnivora | New | - | - | - | - | - | - | - | - |
| Tiger (Panthera tigris):Felidae-Carnivora | Total | 5 | 4 | 0 | 0 | 0 | - | 80.0 | 0.0 |
| Dogs | New | 1 | 1 | 0 | 0 | 0 | - | - | - |

| | | | | | | | | | |
|-------------|-------|----|----|---|---|---|---|-------|------|
| Dogs | Total | 6 | 3 | 0 | 2 | 0 | - | 50.0 | 0.0 |
| All species | New | 3 | 2 | 1 | 0 | 0 | - | - | - |
| All species | Total | 21 | 15 | 1 | 2 | 0 | - | 71.43 | 4.76 |

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 | 2 | 1 | 1 | 0 | 0 | - |
| Cats | Total | Animal | 2 | 1 | 1 | 0 | 0 | - |
| All species | New | Animal | 2 | 1 | 1 | 0 | 0 | - |
| 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 | 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 | - |

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 | - |

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 | - |

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 - Location - Nassau County
40.747,-73.624

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 - Location - Richmond County
40.569,-74.191

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

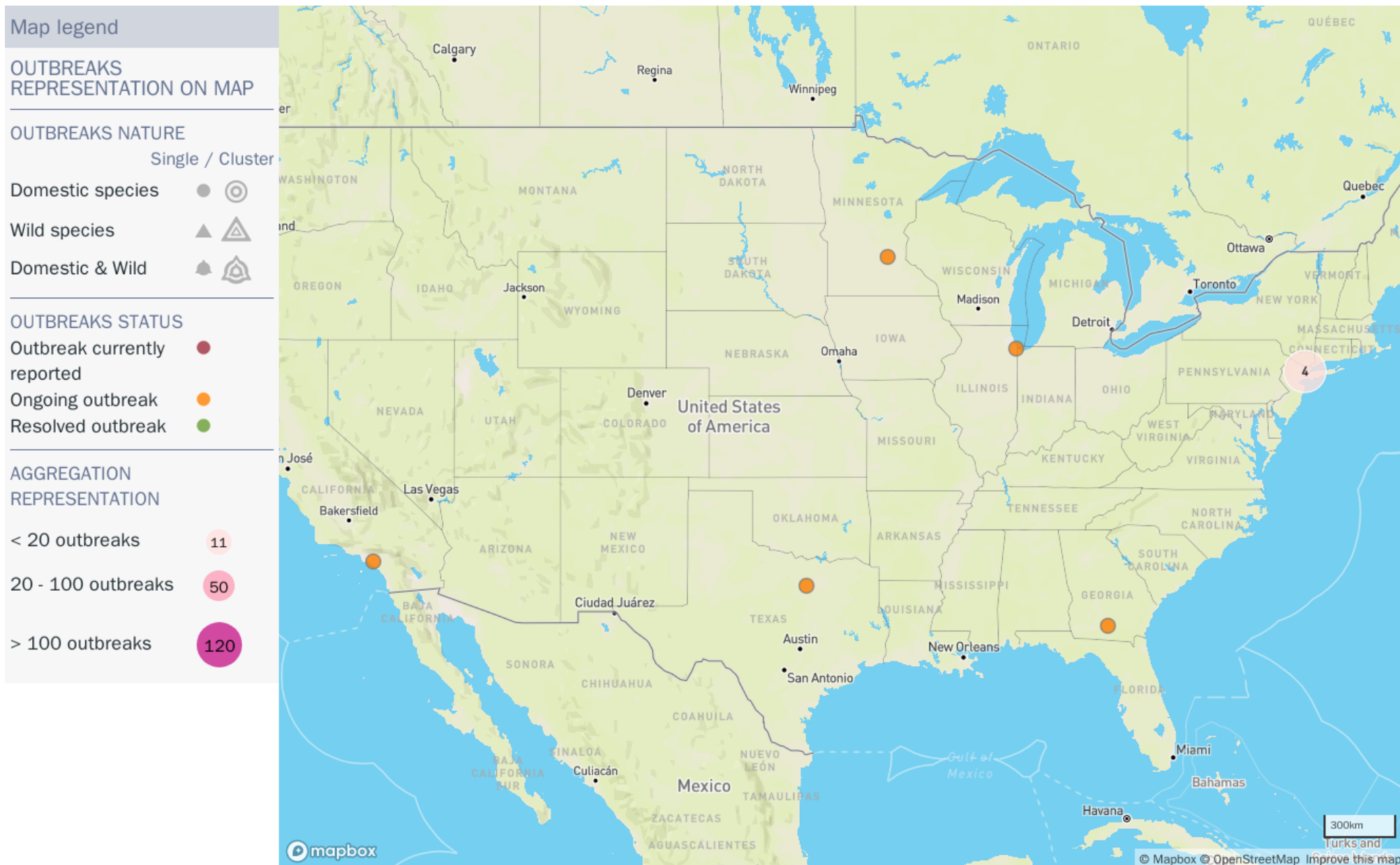
| Species | Type | Measuring unit | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered | Vaccinated |
|-------------|-------|----------------|-------------|-------|--------|------------------------|-------------|------------|
| Dogs | New | Animal | - | - | - | - | - | - |
| Dogs | Total | 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 - Location - Orange County
41.391,-74.325

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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