

## Follow-up report 2

22/04/2020

**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_34086 |
| 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 - 22/04/2020                    | 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 22 Apr 2020 Update--Two cats from separate households were sampled for respiratory illness. Clinical signs included sneezing and ocular discharge. Samples from the cats were tested by SARS-CoV-2 PCR after testing negative for other respiratory pathogens. One cat is from a two-cat household with a known COVID-19 affected person, the other from a household in an affected neighborhood and allowed to go outdoors. SARS-CoV-2 was confirmed in samples based upon molecular testing (PCR and sequencing) of samples from the initial testing laboratory and follow up samples obtained directly. Both cats are expected to fully recover, and testing of follow up samples indicated both cats were clearing the infection.

### 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 chain reaction (rRT-PCR) | Nucleic acid detection | Laboratory Test | National Veterinary Services Laboratories |                 |           | 04/04/2020  |              | Positive |

|   |                        |                 |   |  |  |            |  |          |
|---|------------------------|-----------------|---|--|--|------------|--|----------|
| Gene sequencing   | Genotyping             | Laboratory Test | National Veterinary Services Laboratories               |  |  | 04/04/2020 |  | Positive |
| Real-time reverse transcription polymerase chain reaction (rRT-PCR) | Nucleic acid detection | Laboratory Test | University of Illinois Veterinary Diagnostic Laboratory |  |  | 03/04/2020 |  | Positive |
| Real-time reverse transcription polymerase chain reaction (rRT-PCR) | Nucleic acid detection | Laboratory Test | Cornell University Animal Health Diagnostic Center      |  |  | 03/04/2020 |  | Positive |
| Gene sequencing   | Genotyping             | Laboratory Test | Cornell University Animal Health Diagnostic Center      |  |  | 05/04/2020 |  | Positive |
| Gene sequencing   | Genotyping             | Laboratory Test | University of Illinois Veterinary Diagnostic Laboratory |  |  | 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   | 3           | 2     | 0      | 0                      | 0           | -          | -                  | -                  |
| Cats                                      | Total | 3           | 2     | 0      | 0                      | 0           | -          | 66.67              | 0.0                |
| Tiger (Panthera tigris):Felidae-Carnivora | New   | -           | -     | -      | -                      | -           | -          | -                  | -                  |
| Tiger (Panthera tigris):Felidae-Carnivora | Total | 5           | 4     | 0      | 0                      | 0           | -          | 80.0               | 0.0                |
| All species                               | New   | 3           | 2     | 0      | 0                      | 0           | -          | -                  | -                  |
| All species                               | Total | 11          | 9     | 0      | 0                      | 0           | -          | 81.82              | 0.0                |

Event morbidity - 2.0

Event mortality - 0.0

## Outbreaks

### 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 population Adult lions and tigers in a zoo.

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

### 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 population Pet 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     | 0      | 0                      | 0           | -          |

|             |       |        |   |   |   |   |   |   |
|-------------|-------|--------|---|---|---|---|---|---|
| Cats        | 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 | - |

Les localisations des foyers ont été renseignées par les Services vétérinaires compétents et peuvent ne pas représenter l'emplacement exact d'un foyer. L'OIE n'assume aucune responsabilité quant aux données affichées.