

Follow-up report 8

02/07/2020

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_34937
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 - 02/07/2020	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 comments2 July 2020 update — 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 was showing neurological signs and was euthanized. At necropsy a pituitary tumor was identified, which is thought to be the cause of the dog's neurological signs. Serum from a second dog in the household, which has not shown clinical signs of illness, tested negative for SARS-CoV-2 virus neutralizing antibodies.

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	Tiger		04/04/2020		Positive
Gene	Genotyping	Laboratory	National	Tiger		04/04/2020		Positive

sequencing		Test	Veterinary Services Laboratories					
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	-	-	-	-	-	-	-	-
Cats	Total	5	4	0	0	0	-	80.0	0.0
Tiger (Panthera tigris):Felidae-Carnivora	New	-	-	-	-	-	-	-	-
Tiger (Panthera tigris):Felidae-Carnivora	Total	5	4	0	0	0	-	80.0	0.0
Dogs	New	3	1	0	1	0	-	-	-
Dogs	Total	5	2	0	2	0	-	40.0	0.0
All species	New	3	1	0	1	0	-	-	-

All species	Total	18	13	0	2	0	-	72.22	0.0
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Event morbidity - 2.0

Event mortality - 0.0

Outbreaks

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

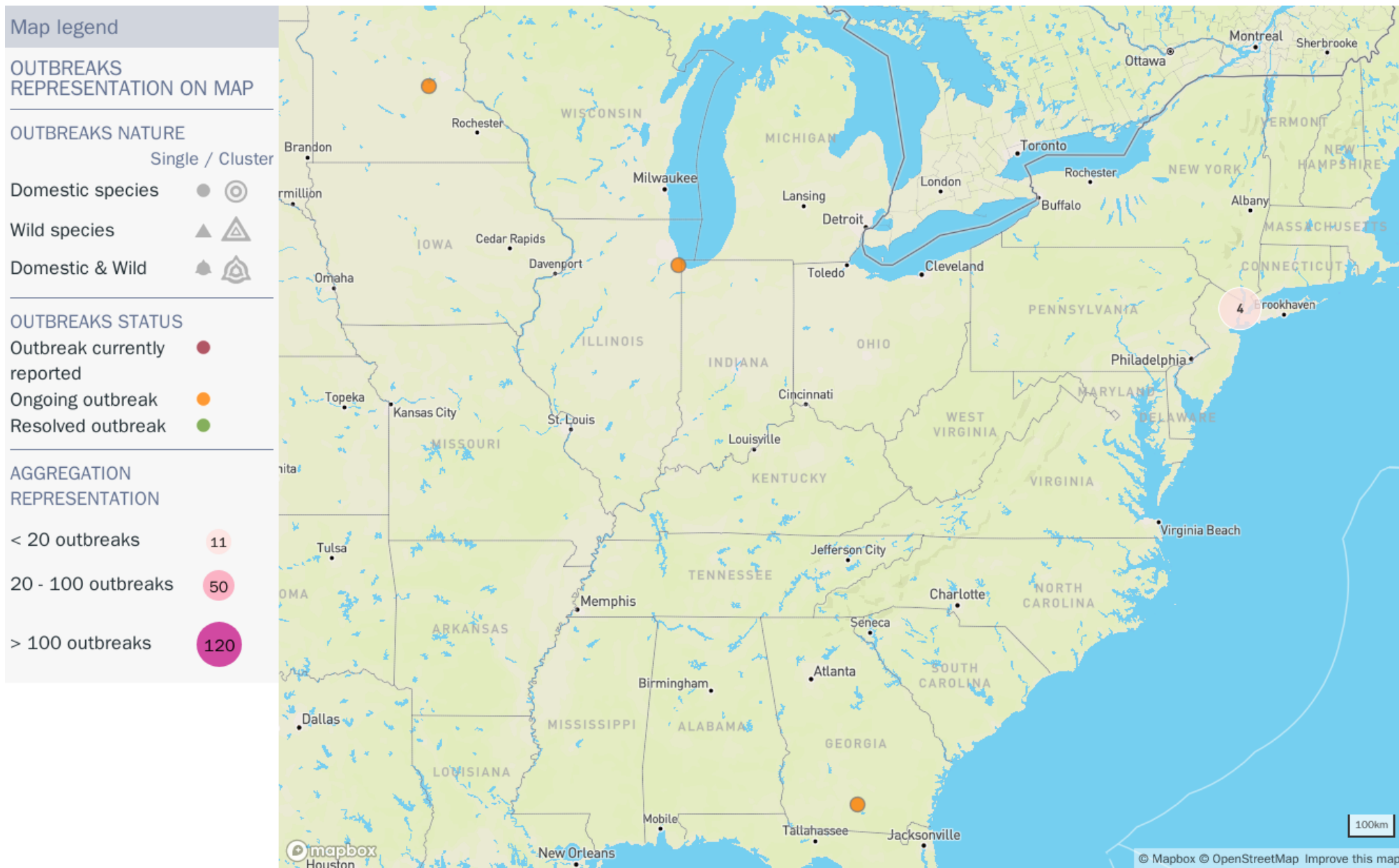
Epidemiological unit - Other

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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