

Follow-up report 6

10/06/2020

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_34590
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 - 10/06/2020	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 10 Jun 2020 Update—A domestic cat from a known positive COVID-19 household was sampled for respiratory illness. Clinical signs included fever, oral lesions and ulcerations on the tongue. The cat tested negative by feline respiratory panel, FIV and FeLV, and positive by feline coronavirus serologic test, a common finding. The initial testing laboratory also conducted a SARS-CoV-2 test. Infection with SARS-CoV-2 was confirmed at NVSL based upon molecular testing (PCR and sequencing). The cat is reportedly recovering.

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	1	1	0	0	0	-	-	-
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	-	-	-	-	-	-	-	-
Dogs	Total	2	1	0	1	0	-	50.0	0.0
All species	New	1	1	0	0	0	-	-	-

All species	Total	15	12	0	1	0	-	80.0	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	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	-

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	-

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

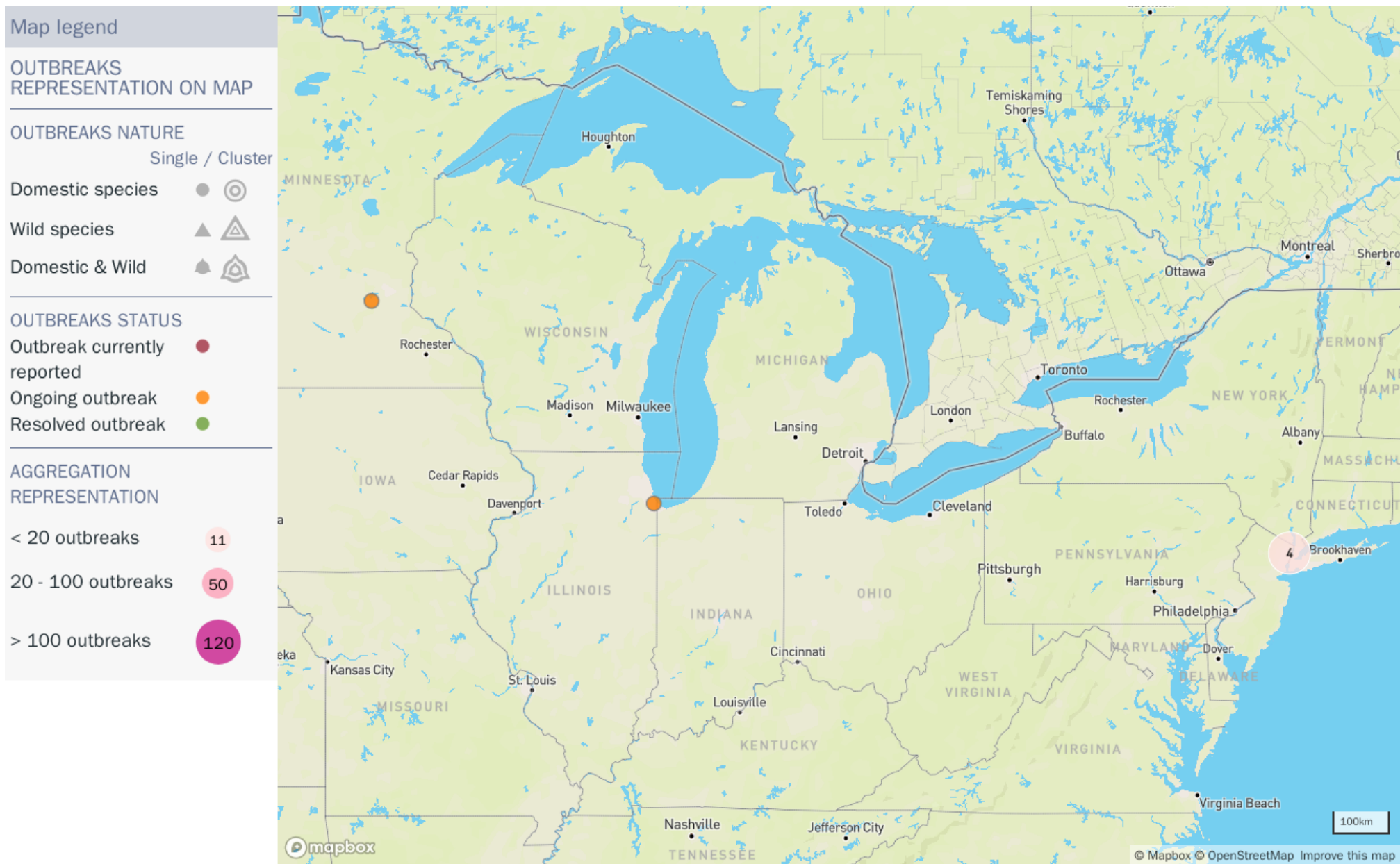
Epidemiological unit - Other

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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