

Follow-up report 1

17/04/2020

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_34054
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 - 17/04/2020	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 17 Apr 2020 Update--One of the three previously reported exposed lions at a zoo was confirmed positive for SARS-CoV-2/COVID-19 on 15 Apr 2020. This follows the initial report of a tiger confirmed on 4 Apr 2020. It is likely that the infection was transmitted by an infected human. Clinical signs previously noted in the lions and tigers included dry cough and some wheezing. All of the animals who exhibited clinical signs are progressively improving. There are no other suspected cases of SARS-CoV-2/COVID-19 in any animals from the zoo at this time.

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	Genotyping	Laboratory	National			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			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
Tiger (Panthera tigris):Felidae-Carnivora	New	-	-	-	-	-	-	-	-
Tiger (Panthera tigris):Felidae-Carnivora	Total	5	4	0	0	0	-	80.0	0.0
All species	New	-	-	-	-	-	-	-	-
All species	Total	8	7	0	0	0	-	87.5	0.0

Event morbidity - 2.0

Event mortality - 0.0

Outbreaks

1000129234-Bronx County

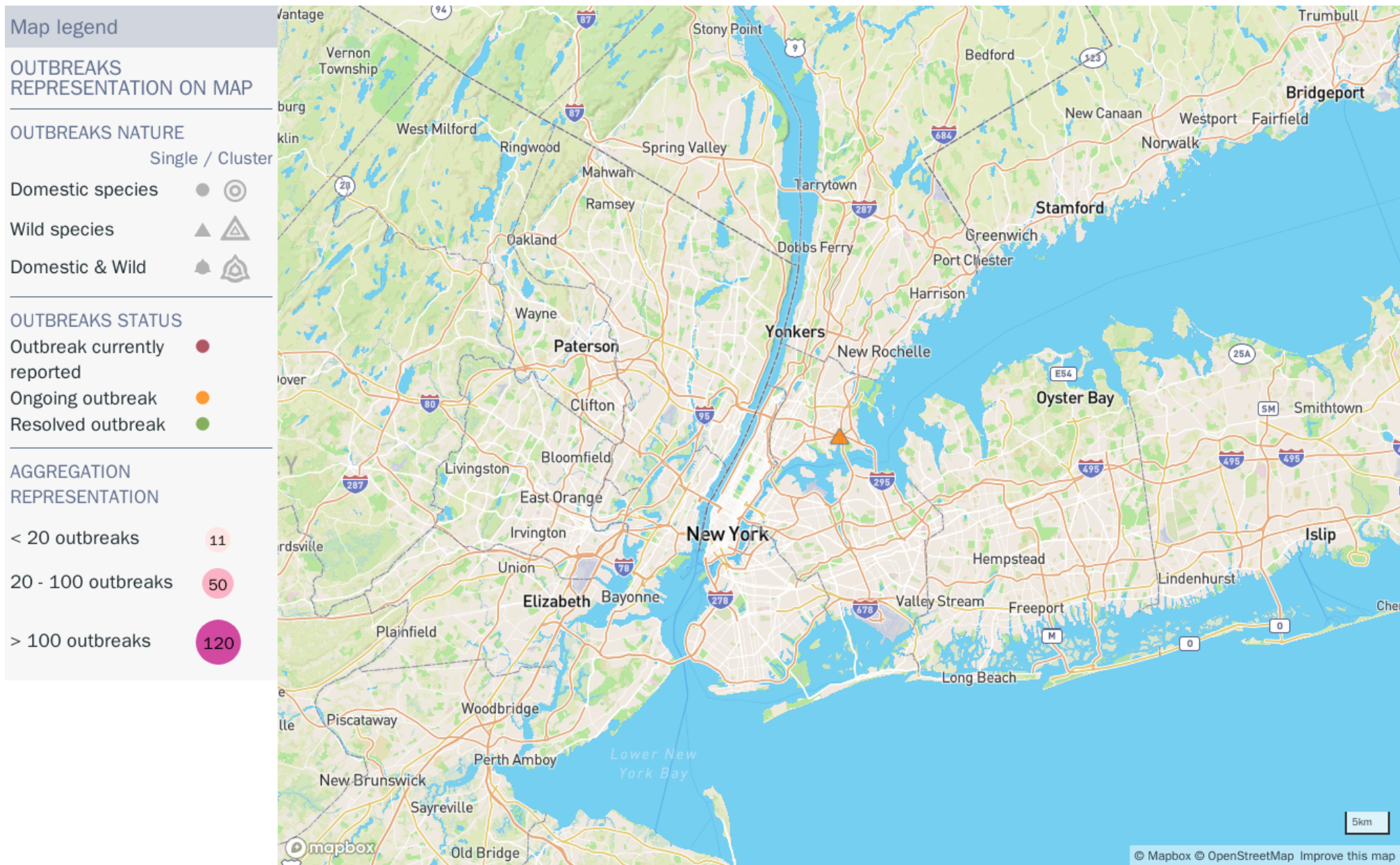
Started on - 27/03/2020
 Epidemiological unit - Zoo

First administrative division - New York
 Geographic coordinates -
 40.828,-73.841

Second administrative division - Bronx
 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	-



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