

Immediate notification (Final report)

22/10/2020

The event is resolved. No more follow-up reports will be submitted.

Sender	Country/territory	Report ID
Delegate of Chile	Chile	IN_36236
Report reference	Event status	Self-declaration
SARS COV-2 gatos	Resolved	No

General information

Country or zone - Country	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 01/05/2020
Animal type - Terrestrial	Confirmed on - 01/10/2020	Causal agent - SARS-CoV-2
Ended on - 08/06/2020	Disease category - Emerging	Reported on - 22/10/2020
Reason - Emerging disease		

Disease impact

Outbreak morbidity - 5.0	Outbreak mortality - 0.0
Zoonotic potential - Yes	Zoonotic potential description - Zoonotic potential currently unknown

Epidemiology

Source of the event or origin of the infection - Sospecha de transmisión del hombre al animal

Epidemiological comments Within a research carried out by a State University on domestic animals in COVID-19 positive homes, three domestic cats were sampled five days after the occurrence of symptoms in their owners (two people) who were COVID-19 positive. After the molecular results, the isolates from the owners and the animals were sequenced and a genetic cluster between them was established.

Control measures at event level

Domestic control measures

Applied - Quarantine

Wild control measures

Applied - Quarantine

Diagnostic

Clinical signs - No

Method of diagnostic - Diagnostic test

Test name	Category	Test type	Laboratory	Species sampled	Outbreaks	Tested from	Tested until	Result
Virus sequencing	Genotyping	Laboratory Test	Hospital Mount Sinai, Nueva York (Estados Unidos de América)	Cats		01/10/2020		Positive
Polymerase chain reaction (PCR)	Nucleic acid detection	Laboratory Test	FAVET	Cats		08/06/2020		Positive

Quantitative data summary

Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
Cats	New	3	3	0	0	0	-	-	-
Cats	Total	3	3	0	0	0	-	100.0	0.0
All species	New	3	3	0	0	0	-	-	-
All species	Total	3	3	0	0	0	-	100.0	0.0

Event morbidity - 5.0

Event mortality - 0.0

Outbreaks**1000138368-Santiago**

Outbreak reference - Único foco

Started on - 01/05/2020

First administrative division - Región Metropolitana de Santiago

Ended on - 08/06/2020

Second administrative division - Cordillera

Epidemiological unit - Not applicable

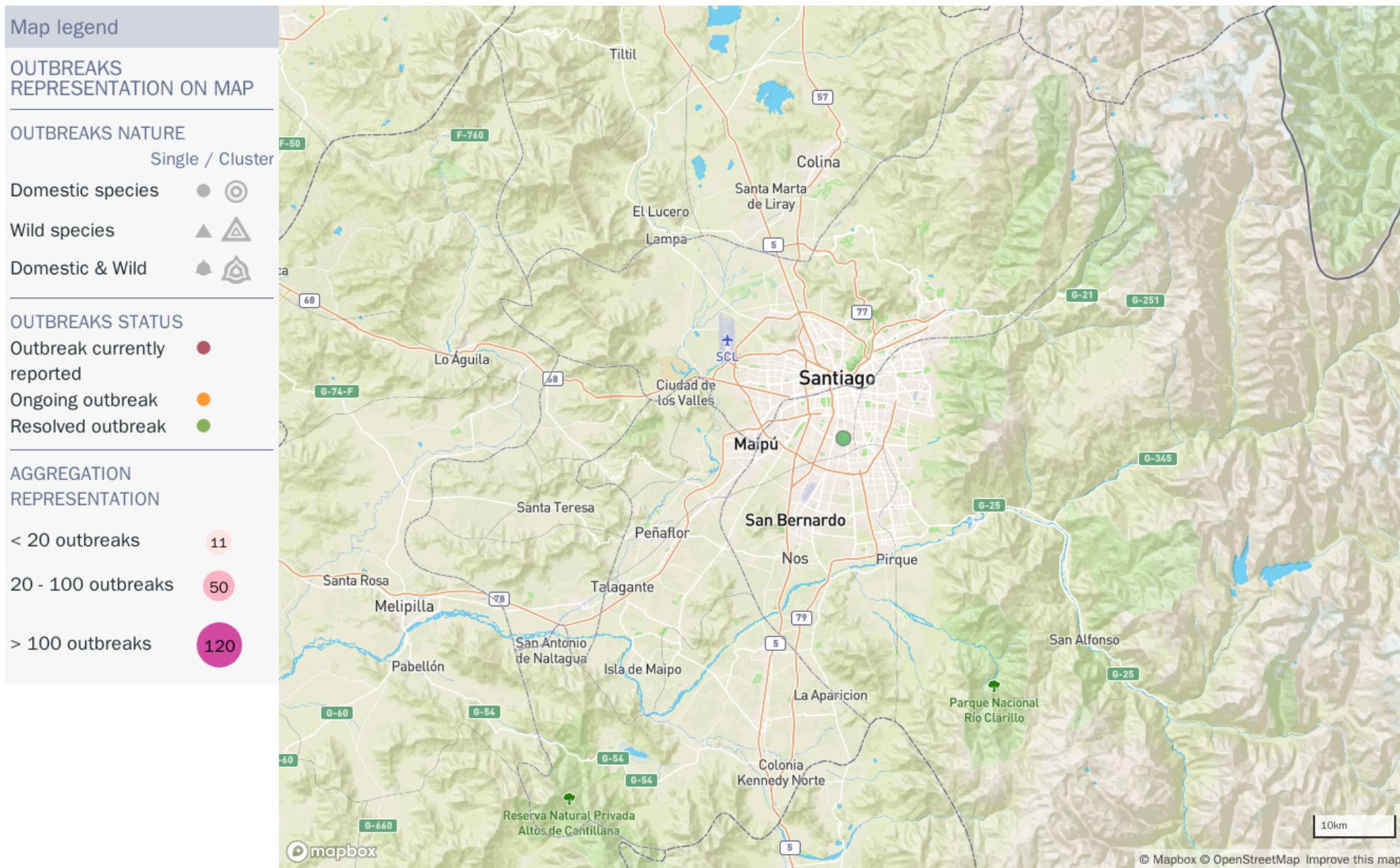
Geographic coordinates -
-33.5028,-70.643

Third administrative division - Puente Alto

Location - Santiago

Description of the affected population Viral RNA was detected by RT-PCR in cat n°1 (with a closer link with one of the owners) in nasal secretions and faeces. Four and five days after this finding, viral RNA was detected in the other two cats (n°2 and n°3), also in nasal secretions and faeces. During monitoring and successive sampling carried out on the animals, persistence of viral excretion is observed for 4 days (cat 1), 7 days (cat 2) and 16 days (cat 3). After that, the virus became undetectable in samples from these animals.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	3	3	0	0	0	-
Cats	Total	Animal	3	3	0	0	0	-
All species	New	Animal	3	3	0	0	0	-
All species	Total	Animal	3	3	0	0	0	-



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