

Immediate notification

19/03/2021

The event is ongoing. Weekly follow-up reports will be submitted.

Sender	Country/territory	Report ID
Delegate of Italy	Italy	IN_149171
Report reference	Event status	Self-declaration
SARS_cov_2_NO_1_2021	On-going	No

General information

Country or zone - Zone	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 07/03/2021
Animal type - Terrestrial	Confirmed on - 15/03/2021	Causal agent - SARS-CoV-2
Disease category - Emerging	Reported on - 19/03/2021	Reason - Emerging disease

Disease impact

Outbreak morbidity - 100.0	Outbreak mortality - 0.0
Zoonotic potential - No	

Epidemiology

Source of the event or origin of the infection - Cat who lives in the same house as positive people to SARS-CoV-2

Epidemiological comments The partial sequence of the S gene comprising the region of the receptor binding domain of SARS-CoV-2 showed the mutation N501Y, which together with three other mutations (A570D, P681H, T161I) and deletion 69-70 is compatible with the so-called "English variant".

Control measures at event level

Domestic control measures

Applied - Movement control inside the country

Wild control measures

Diagnostic

Clinical signs - Yes	Method of diagnostic
	- Diagnostic test
	- Clinical

Test name	Category	Test type	Laboratory	Species sampled	Outbreaks	Tested from	Tested until
Real-time polymerase chain reaction (real-time PCR)	Nucleic acid detection	Laboratory Test	Experimental Zooprophyllactic Institute (IZS), Piemonte, Liguria and Valle d'Aosta, ITA National Laboratory	Cats	1	07/03/2021	15/03/2021

Quantitative data summary

Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
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Cats	New	1	1	0	0	0	0	-	-
Cats	Total	1	1	0	0	0	0	100.0	0.0
All species	New	1	1	0	0	0	0	-	-
All species	Total	1	1	0	0	0	0	100.0	0.0

Event morbidity - 100.0

Event mortality - 0.0

Morbidity range - 100-100

Mortality range - 0-0

Outbreaks

ob_82937-novara

Outbreak reference - Sars_cov_2
NO_1_2021

Started on - 07/03/2021

First administrative division - Piemonte

Second administrative division - Novara

Epidemiological unit - Other

Geographic coordinates -
45.4112,8.6201

Third administrative division - Novara

Approximate location - Yes

Location - novara

Description of the affected population Acute dyspnea, rattle, snoring, breathing difficulties, bilateral nasal discharge. After five days, signs mostly receded except for snoring. The cat lives in an isolated house with rare occasions to frequent a neighboring wood.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	1	1	0	0	0	0
Cats	Total	Animal	1	1	0	0	0	0
All species	New	Animal	1	1	0	0	0	0
All species	Total	Animal	1	1	0	0	0	0

Outbreak name	Test	Result	Result date
ob_82937-novara	Real-time polymerase chain reaction (real-time PCR)	Positive	15/03/2021

Map legend

OUTBREAKS REPRESENTATION ON MAP

OUTBREAKS NATURE

Single / Cluster

Domestic species



Wild species



Domestic & Wild



OUTBREAKS STATUS

Outbreak currently reported



Ongoing outbreak



Resolved outbreak



AGGREGATION REPRESENTATION

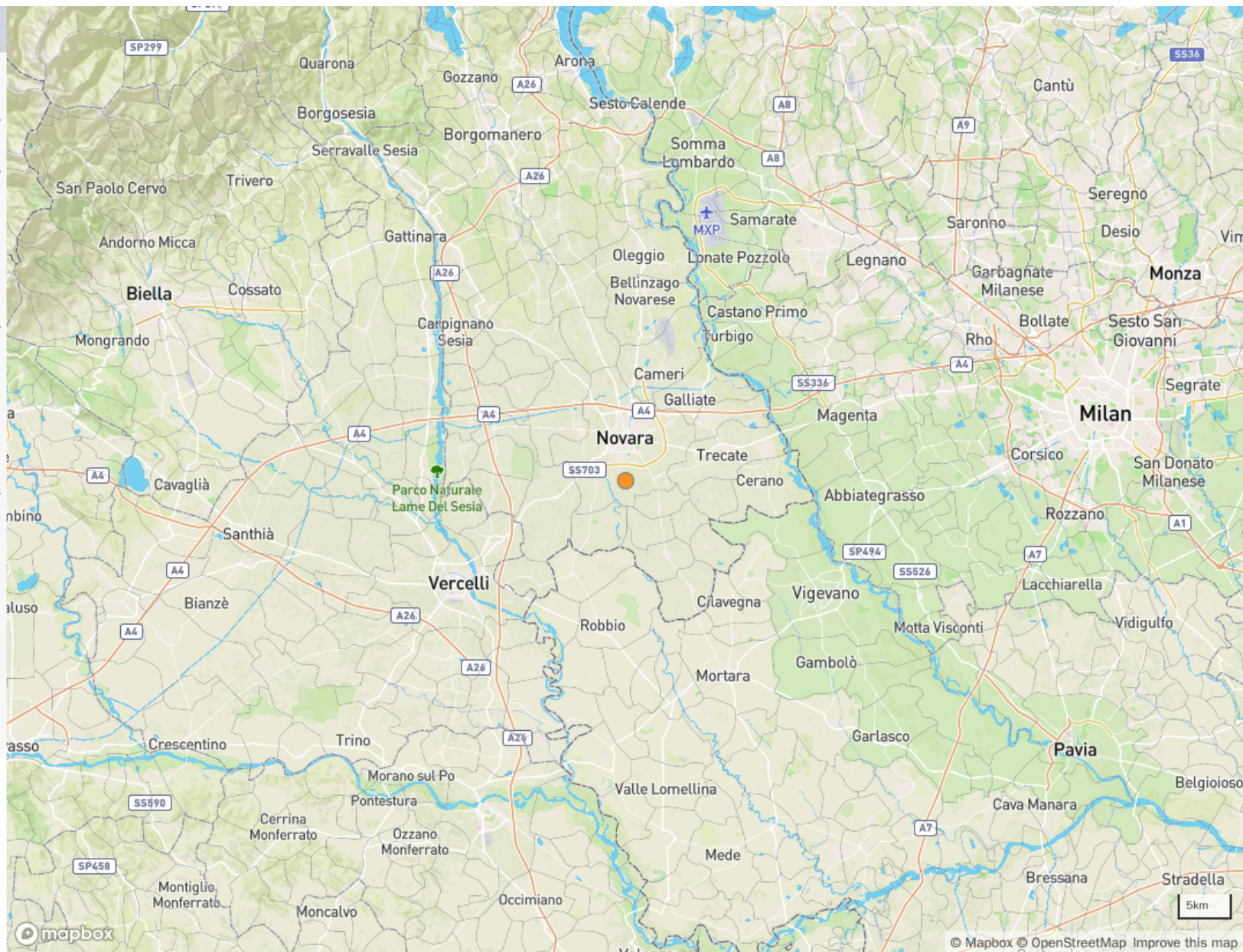
< 20 outbreaks



20 - 100 outbreaks



> 100 outbreaks



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