

Immediate notification (Final report)

22/12/2021

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

Sender	Country/territory	Report ID
Delegate of United Kingdom	United Kingdom	IN_153093
Event status	Self-declaration	
Resolved	No	

General information

Country or zone - Zone	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 29/11/2021
Animal type - Terrestrial	Confirmed on - 20/12/2021	Causal agent - SARS-CoV-2
Ended on - 07/12/2021	Disease category - Emerging	Reported on - 22/12/2021
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 - Direct contact with COVID-19 positive owners (confirmed by official public health PCR testing).

Epidemiological comments There are no other pets in the household. The case is considered resolved. Conclusions: There is sufficient evidence that the dog was infected with SARS-CoV-2. However, there is insufficient evidence to demonstrate if the dog was clinically affected by the virus, and if its clinical signs, or death were due to SARS-CoV-2. Origin of the infection is considered likely to be direct contact with persons diagnosed with COVID-19 in the same household.

Nota bene: The outbreak location used is that of the National Reference Laboratory, APHA Weybridge for data protection reasons.

Diagnostic

Clinical signs - Yes 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	Animal and Plant Health Agency (APHA) Weybridge, United Kingdom OIE Reference Laboratory	Dogs	1	13/12/2021	15/12/2021	Positive

Quantitative data summary

Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
Dogs	New	1	1	0	0	0	0	-	-
Dogs	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
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Event morbidity - 100.0

Event mortality - 0.0

Morbidity range - 100-100

Mortality range - 0-0

Outbreaks

ob_94371-South West England

Outbreak reference - SARS-CoV-2
2021/04

Started on - 29/11/2021

First administrative division - England

Ended on - 07/12/2021

Second administrative division - Surrey

Epidemiological unit - Not applicable

Geographic coordinates -
51.353,-0.493

Third administrative division - Runnymede

Approximate location - Yes

Location - South West England

Description of the affected populationA 44kg pet Labrador dog, 4-year-old neutered male (the only pet present) from a COVID-19 positive household, was admitted to a veterinary hospital on 3rd December 2021. The dog presented with gastric and respiratory clinical signs, including vomiting and diarrhoea, inappetence, lethargy, coughing and a slightly increased body temperature, increased heart rate and abdominal distention. The dog was given supportive treatment. Unfortunately, on 7th December the dog's condition deteriorated and he died. Further official tests were performed at the National Reference Laboratory (NRL), APHA Weybridge. Post-mortem examination (PME) confirmed evidence of cardiac insufficiency, but it is not possible to attribute this to SARS-CoV-2 infection alone. RNA from an oropharyngeal swab collected at the veterinary hospital (on 6th December) and from a nasal swab, oropharyngeal swab and bronchoalveolar lavage fluid (collected post-mortem) were tested at the NRL. All samples were positive for SARS-CoV-2 RNA by real time RT-PCR testing.

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Dogs	New	Animal	1	1	0	0	0	0
Dogs	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

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

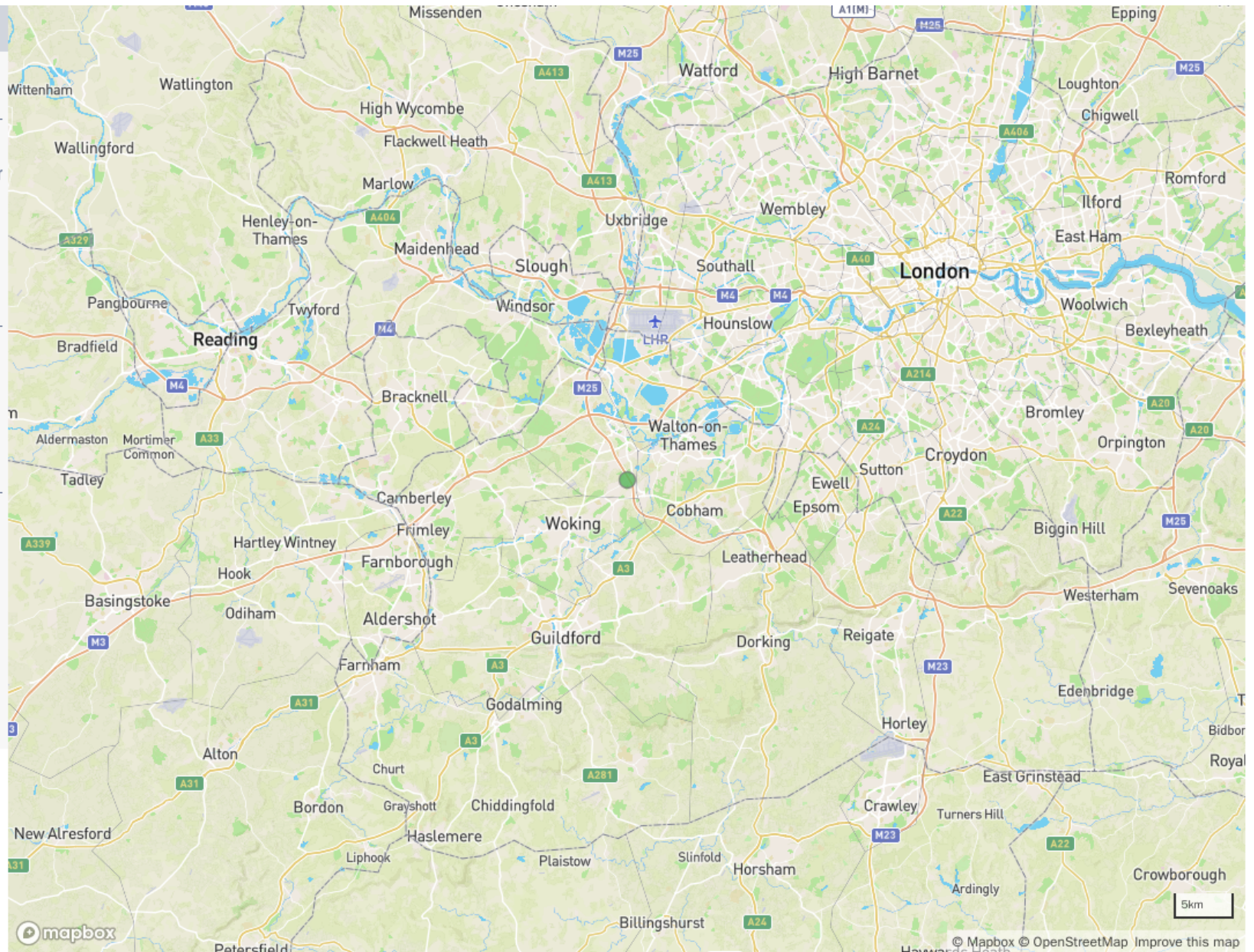
< 20 outbreaks



20 - 100 outbreaks



> 100 outbreaks



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