

Immediate notification (Final report)

10/11/2021

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

Sender	Country/territory	Report ID
Delegate of United Kingdom	United Kingdom	IN_152403
Report reference	Event status	Self-declaration
SARS-CoV-2 2021/02	Resolved	No

General information

Country or zone - Zone	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 29/10/2021
Animal type - Terrestrial	Confirmed on - 05/11/2021	Causal agent - SARS-CoV-2
Ended on - 05/11/2021	Disease category - Emerging	Reported on - 10/11/2021
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. Origin of the infection 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 National Laboratory	Dogs	1	02/11/2021		Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	Animal and Plant Health Agency (APHA), Weybridge National Laboratory	Dogs	1	03/11/2021		Positive

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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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

Event morbidity - 100.0

Event mortality - 0.0

Morbidity range - 100-100

Mortality range - 0-0

Outbreaks

ob_92422-North East England

Outbreak reference - SARS-CoV-2
2021/02

Started on - 29/10/2021

First administrative division - England

Ended on - 05/11/2021

Second administrative division - Surrey

Epidemiological unit - Not applicable

Geographic coordinates -
51.353,-0.493

Third administrative division - Runnymede

Approximate location - Yes

Location - North East England

Description of the affected population A pet dog (the only pet present) from a COVID-19 positive household was presented with sudden onset pyrexia, lethargy, inappetence and increased respiratory rate to a veterinary hospital at which it had surgery (thoracotomy to remove a thymoma) within the previous weeks. The dog had been recovering uneventfully. Both owners of the dog had developed COVID-19 symptoms over the preceding 2-3 days before the dog developed these clinical signs.

The dog was examined by the attending veterinarian, and whilst mild respiratory signs were observed these cannot be exclusively attributed to SARS-CoV-2. The dog has responded to symptomatic treatment. Swab samples were collected from the dog on 29th October 2021: pharyngeal swab (in media), rectal swab, rectum swab and a conjunctival swab. All were submitted to APHA Weybridge for SARS-CoV-2 testing. RNA from the pharyngeal swab tested positive for SARS-CoV-2 RNA (E and RdRp genes), but all other swab samples were negative.

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

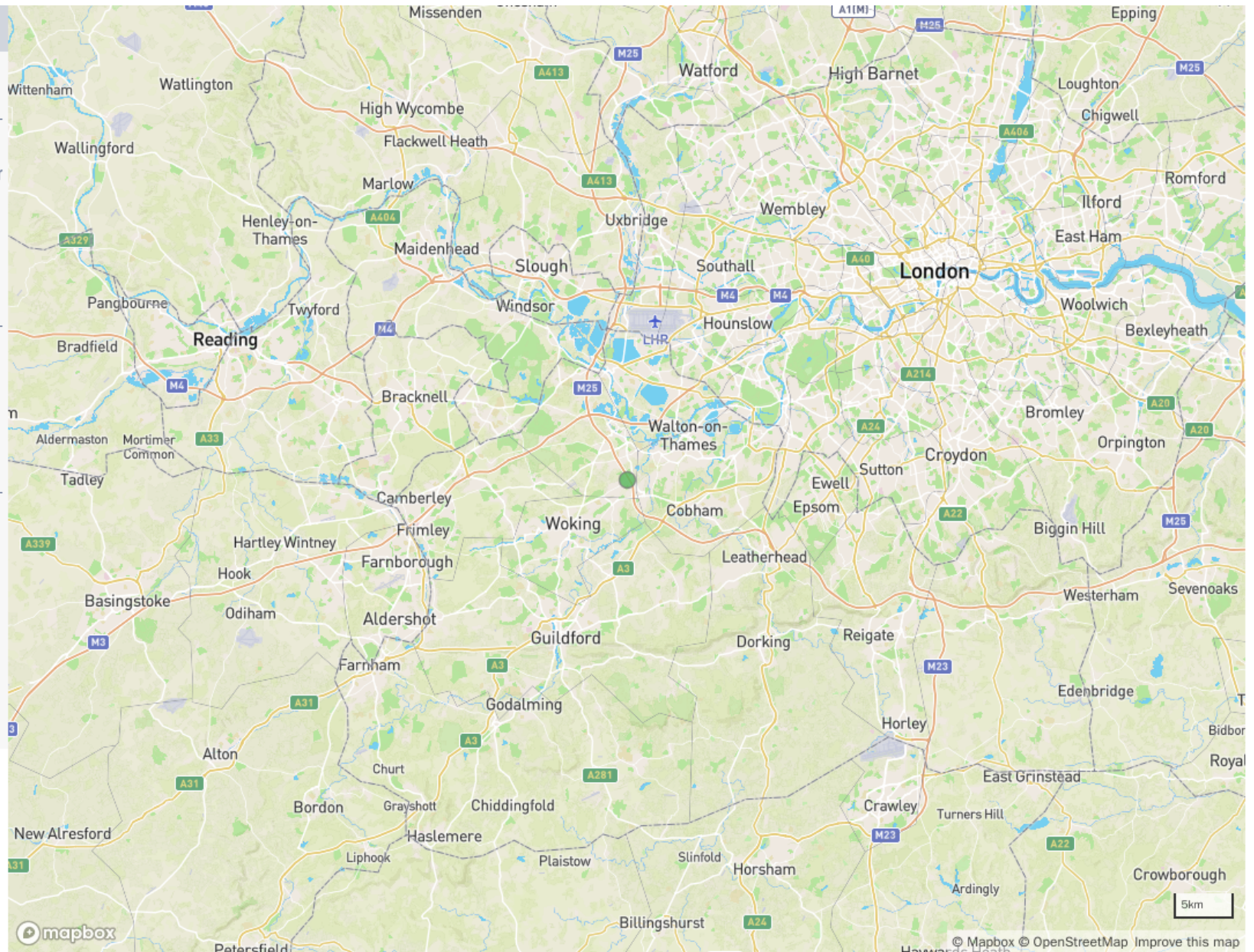
< 20 outbreaks



20 - 100 outbreaks



> 100 outbreaks



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