WORLD ORGANISATION FOR ANIMAL HEALTH
Protecting animals, preserving our future

Immediate notification (Final report)

27/07/2020

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

Sender	Country/territory	Report ID
Delegate of United Kingdom	United Kingdom	IN_35182
Report reference	Event status	Self-declaration
SARS-COV-2 2020/001	Resolved	No

General information

Country or zone - Country	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 15/05/2020
Animal type - Terrestrial	Confirmed on - 20/07/2020	Causal agent - SARS-CoV-2
Ended on - 24/07/2020	Disease category - Emerging	Reported on - 27/07/2020
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 to animal transmission

Epidemiological commentsA domestic cat from a COVID positive household was tested positive for SARS-CoV-2 by PCR. The cat was showing respiratory signs indicative of Feline Herpes Virus (FHV) and a swab was taken for confirmation in May. FHV test was positive and the SARS-CoV-2 test was undertaken as part of a surveillance project in a private laboratory. On receipt of the result, the private veterinary notified Animal and Plant Health Agency (APHA) and repeated testing of the original sample, a new oral swab and a new blood sample (both taken in July) were tested. The original sample was retested positive, a new oral swab was negative, and the blood sample was positive to the virus neutralisation test. A second cat in the household was tested negative by PCR and virus neutralisation. The positive cat completely recovered, and as PCR was negative on retest, and antibody positive, the case is considered resolved.   Nota bene: The outbreak location used is that of the National Laboratory at Weybridge, to protect any data relating to human cases.

Diagnostic

Clinical signs - No   Method of diagnostic - Diagnostic test

Test name	Category	Test type	Laboratory	Species sampled	Outbreaks	Tested from	Tested until	Result
Polymerase chain reaction (PCR)	Nucleic acid detection	Laboratory Test	Non-Official Laboratory	Cats		25/06/2020		Positive
Polymerase chain reaction (PCR)	Nucleic acid detection	Laboratory Test	Animal and Plant Health Agency (APHA), Weybridge	Cats		10/07/2020		Negative
Polymerase chain reaction (PCR)	Nucleic acid detection	Laboratory Test	Animal and Plant Health Agency (APHA), Weybridge	Cats		10/07/2020		Positive
Virus	Antibody	Laboratory	Animal and	Cats		20/07/2020		Positive

neutralisation tests (Ab VNT)	detection tests	Test	Plant Health Agency (APHA), Weybridge						

Quantitative data summary

Measuring unit - Animal

Species	Type	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated	Outbreak morbidity	Outbreak mortality
Cats	New	2	1	0	0	0	-	-	-
Cats	Total	2	1	0	0	0	-	50.0	0.0
All species	New	2	1	0	0	0	-	-	-
All species	Total	2	1	0	0	0	-	50.0	0.0

Event morbidity - 2.0   Event mortality - 0.0

Outbreaks

1000134346-South England

Outbreak reference - SARS-COV-2 2020/001

Started on - 15/05/2020

First administrative division - England

Ended on - 24/07/2020

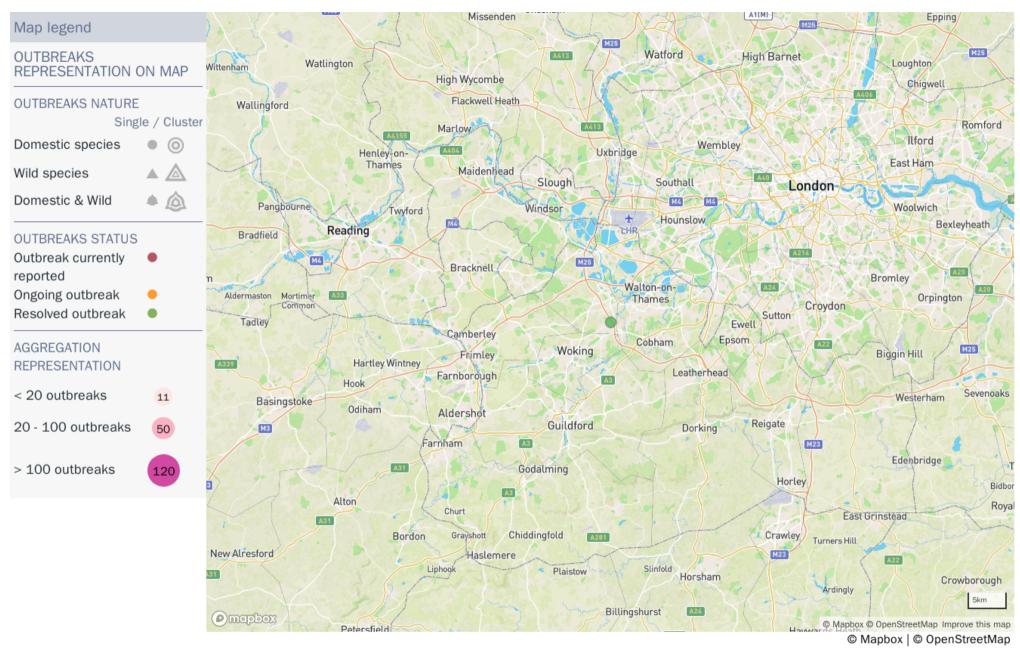Second administrative division - Surrey

Epidemiological unit - Not applicable

Geographic coordinates - 51.353,-0.493

Third administrative division - Runnymede

Location - South England

Description of the affected populationOne domestic cat

Species	Type	Measuring unit	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered	Vaccinated
Cats	New	Animal	2	1	0	0	0	-
Cats	Total	Animal	2	1	0	0	0	-
All species	New	Animal	2	1	0	0	0	-
All species	Total	Animal	2	1	0	0	0	-