

Immediate notification (Final report)

24/08/2021

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

Sender	Country/territory	Report ID
Delegate of United Kingdom	United Kingdom	IN_151317
Event status	Self-declaration	
Resolved	No	

General information

Country or zone - Zone	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 09/07/2021
Animal type - Terrestrial	Confirmed on - 23/08/2021	Causal agent - SARS-CoV-2
Ended on - 09/07/2021	Disease category - Emerging	Reported on - 24/08/2021
Reason - Emerging disease		

Disease impact

Outbreak morbidity - 100.0	Outbreak mortality - 0.0
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Epidemiology

Source of the event or origin of the infection - Direct contact with a COVID-19 positive human (person confirmed by PCR test)

Epidemiological comments A domestic dog from a COVID positive household was tested positive for SARS-CoV-2 by PCR. The dog was presented to a private veterinary surgeon in a collapsed state on 09/07/2021. It was unresponsive to treatment and was humanely euthanised later the same day. Swabbing for SARS-CoV-2 was undertaken post-mortem by a private veterinary surgeon and sent to a private laboratory for testing. On receipt of the result, the private veterinary surgeon notified the Government of Jersey veterinary section. Animal and Plant Health Agency (APHA) repeated testing of the original sample at the UK National Reference Lab for SARS-CoV-2, by PCR with positive result. There was no other material available to test. Live SARS-CoV-2 virus was not detected in cell culture from the swab wash eluate sample by virus isolation after 7 days. 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 the dog had other significant underlying health conditions. Origin of the infection suspected to be direct contact with person diagnosed with COVID-19. Nota bene: The outbreak location used is that of the Government of Jersey veterinary section to protect any data relating to people.

Diagnostic

Clinical signs - No

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	09/08/2021	10/08/2021	Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	IDEXX Lab, Kornwestheim, Germany Private Laboratory	Dogs	1	19/07/2021	20/07/2021	Positive
Real-time reverse	Nucleic acid detection	Laboratory Test	Animal and Plant Health	Dogs	1	11/08/2021	12/08/2021	Positive

transcription polymerase chain reaction (rRT-PCR)			Agency (APHA), Weybridge National Laboratory					
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	IDEXX Lab, Kornwestheim, Germany Private Laboratory	Dogs	1	19/07/2021	20/07/2021	Positive
Virus isolation	Microbiological culture	Laboratory Test	Animal and Plant Health Agency (APHA), Weybridge National Laboratory	Dogs	1	17/08/2021	19/08/2021	Negative

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

Event morbidity - 100.0

Event mortality - 0.0

Morbidity range - 100-100

Mortality range - 0-0

Outbreaks

ob_89385-Jersey

Outbreak reference - SARS-CoV-2 2021/001

Started on - 09/07/2021

First administrative division - Jersey

Ended on - 09/07/2021

Second administrative division - Trinity

Epidemiological unit - Not applicable

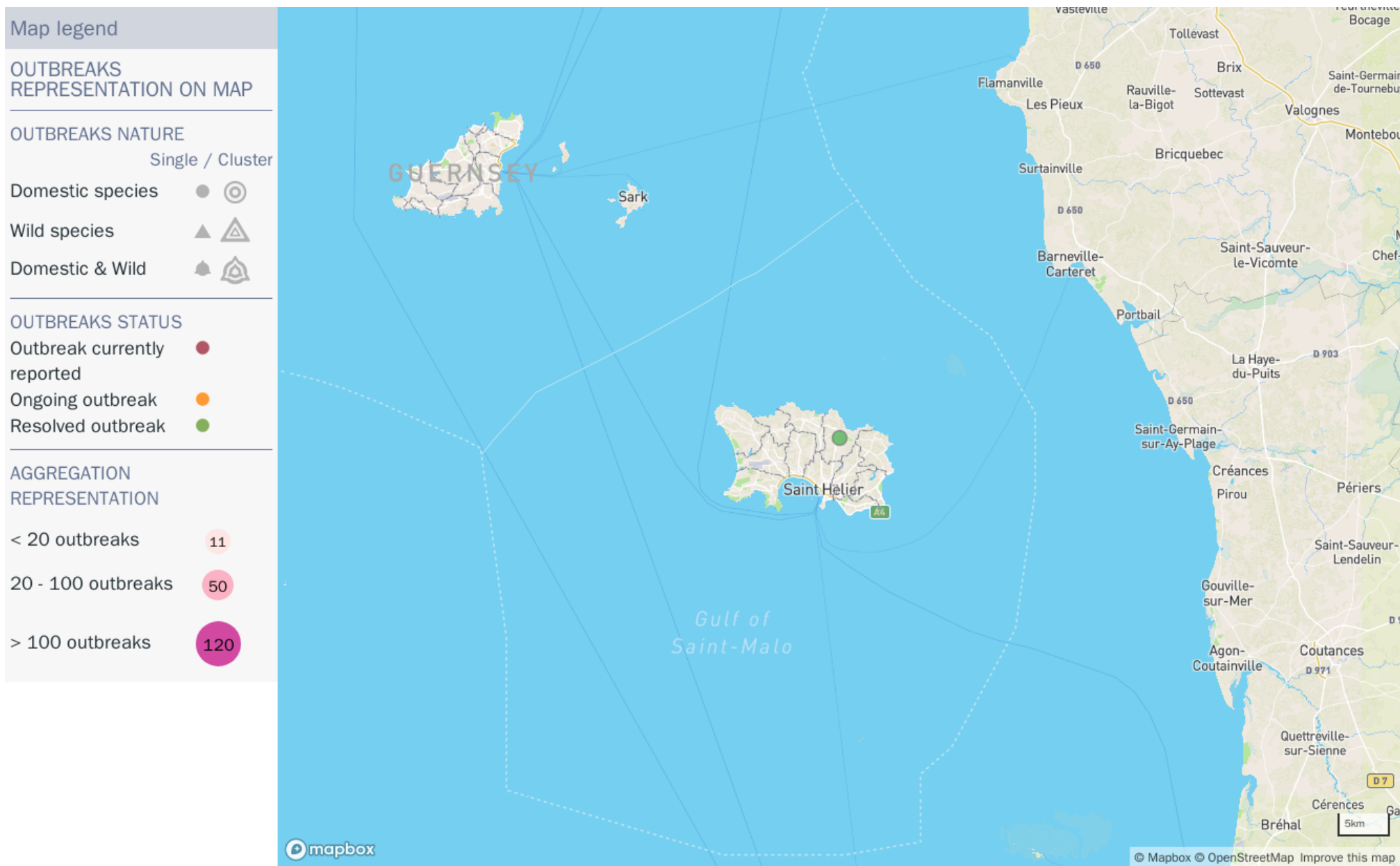
Geographic coordinates - 49.23,-2.09

Third administrative division - Trinity

Approximate location - Yes

Location - Jersey

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



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