

Follow-up report 3 (Final report)

28/03/2020

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

Sender	Country/territory	Report ID
Delegate of Hong Kong	Hong Kong	FUR_33762
Report reference	Event status	Self-declaration
20-02756, 02824, 02927,02940 03046, 03251, 03375 03480	Resolved	No

General information

Country or zone - Country	Disease - SARS-CoV-2 in animals (Inf. with)	Started on - 26/02/2020
Animal type - Terrestrial	Confirmed on - 28/02/2020	Causal agent - SARS-CoV-2
Ended on - 13/03/2020	Disease category - Emerging	Reported on - 28/03/2020
Reason - Emerging disease		

Disease impact

Outbreak morbidity - 1.0	Outbreak mortality - 0.0
Zoonotic potential - Yes	Zoonotic potential description - Zoonotic potential unknown at this time

Epidemiology

Source of the event or origin of the infection - Unknown or inconclusive

Epidemiological comments The dog was placed under quarantine on 26 February 2020 after its owner was hospitalised due to COVID-19 infection. Following veterinary examination nasal, oral, rectal swabs as well as faeces were taken after the dog's admission to the quarantine facility. Nasal and oral samples tested positive for SARS-CoV-2. Follow up nasal, oral and rectal swab samples and faeces were subsequently taken on 28th February and 2nd, 5th, 9th, 12th and 13th March 2020. Both oral and nasal samples taken on 28th February 2020 tested positive. The nasal samples taken on 2nd, 5th and 9th March continued to test positive. All swab samples taken on 12 and 13 March tested negative. Serum sample collected during quarantine tested positive for neutralising antibodies. Test results support that the dog was infected with SARS-CoV-2. However, no clinical sign was detected during the quarantine period. The animal was returned to the owner after completion of quarantine and consecutive negative test results. The dog died two days after release from quarantine. However, the death is not considered directly related to the earlier infection. Risk management measures are in place for this case, including cleansing and disinfection of the premises, and proper personal hygiene and protection. Mammalian pets from households with confirmed human cases of COVID-19 will be placed under quarantine and veterinary surveillance for 14 days. Samples will be collected for testing of SARS-CoV-2 as appropriate.

Control measures at event level

Domestic control measures

- Applied
- Traceability
 - Disinfection
 - Quarantine
 - Screening

Wild control measures

- Applied
- Traceability
 - Quarantine
 - Disinfection
 - Screening

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	Tai Lung Veterinary Laboratory	Dogs		27/02/2020		Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	Department of Microbiology, University de Hong Kong	Dogs		27/02/2020		Positive
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	Nucleic acid detection	Laboratory Test	Tai Lung Veterinary Laboratory	Dogs		28/02/2020		Positive

Quantitative data summary

Measuring unit - Animal

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

Event morbidity - 1.0

Event mortality - 0.0

Outbreaks

1000127425-Tai Hang

Started on - 26/02/2020

First administrative division - Wan Chai

Ended on - 13/03/2020

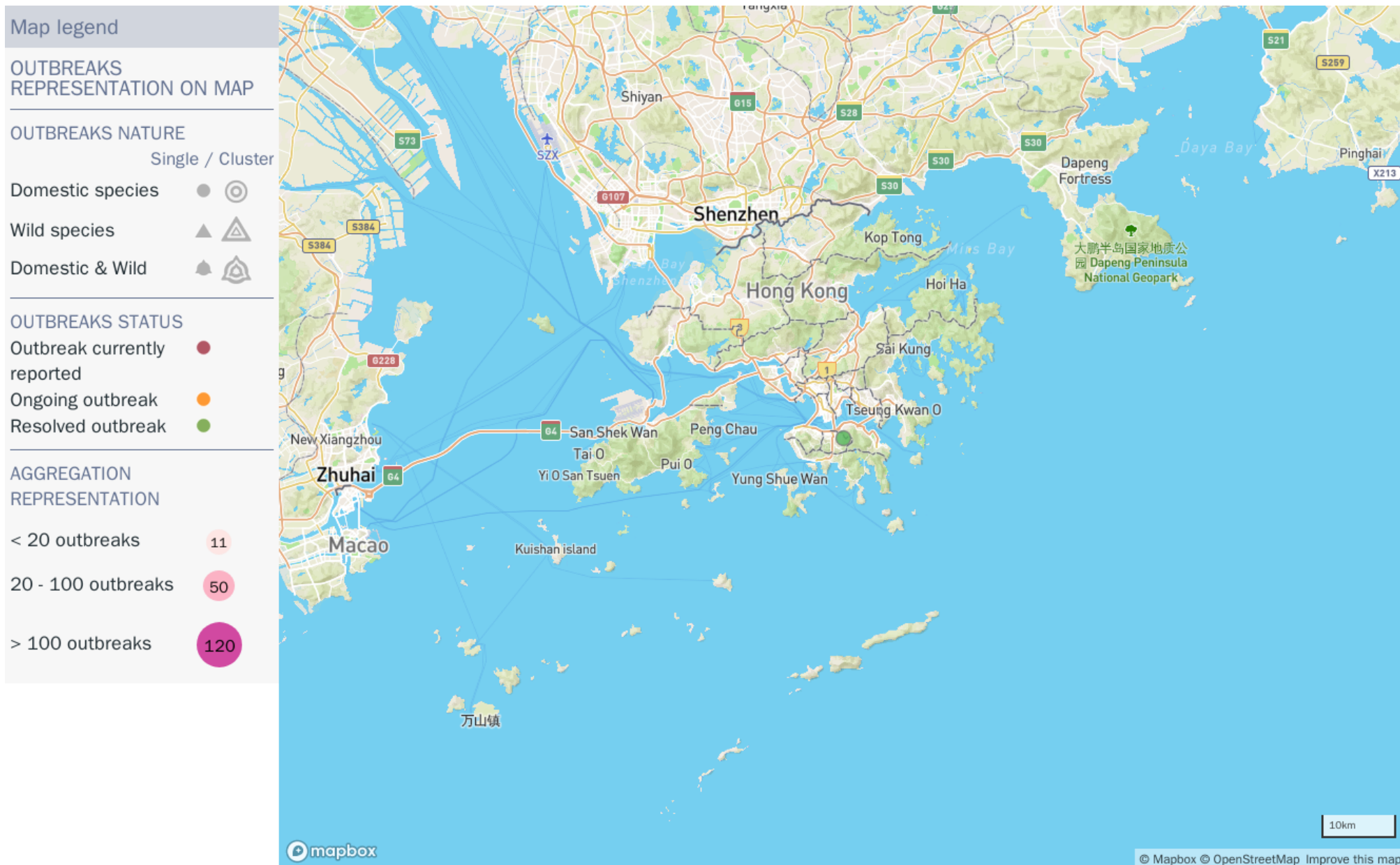
Epidemiological unit - Other

Geographic coordinates -
22.2752,114.1937

Location - Tai Hang

Description of the affected populationA dog kept in the same household as a confirmed COVID-19 patient. The animal did not show any relevant clinical signs.

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



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