

Information received on 21/03/2020 from Dr Thomas Sit, Chief Veterinary Officer / Assistant Director (Inspection & Quarantine), Agriculture, Fisheries and Conservation Department, Hong Kong Special Administrative Region Government, Hong Kong, Hong Kong (SAR - PRC)

Summary

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|-----------------------------------|-------------------------------|
| Report type | Immediate notification |
| Date of start of the event | 18/03/2020 |
| Date of confirmation of the event | 20/03/2020 |
| Report date | 20/03/2020 |
| Date submitted to OIE | 21/03/2020 |
| Reason for notification | Emerging disease |
| Morbidity | 1 (scale 0 to 5) |
| Mortality | 0 (scale 0 to 5) |
| Zoonotic impact | Zoonotic potential is unknown |
| Causal agent | SARS-CoV-2 |

New outbreaks (1)

| | | | | | | |
|-------------------------------|--|-------------|-------|--------|------------------------|-------------|
| Outbreak 1 | Pok Fu Lam, Southern District, Hong Kong | | | | | |
| Date of start of the outbreak | 18/03/2020 | | | | | |
| Outbreak status | Continuing (or date resolved not provided) | | | | | |
| Epidemiological unit | Other | | | | | |
| Affected animals | Species | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered |
| | Dogs | | 1 | 0 | 0 | 0 |
| Affected population | Two dogs kept in the same household as a confirmed COVID-19 patient. One dog tested positive. Both animals did not show any relevant clinical signs. | | | | | |

| | | | | | | |
|---|--|-------------------------|-------------------------|-----------------------------|--------------------------------------|-------------|
| Summary of outbreaks | Total outbreaks: 1 | | | | | |
| | Species | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered |
| Total animals affected | Dogs | | 1 | 0 | 0 | 0 |
| | Species | Apparent morbidity rate | Apparent mortality rate | Apparent case fatality rate | Proportion susceptible animals lost* | |
| Outbreak statistics | Dogs | ** | ** | 0.00% | ** | |
| | *Removed from the susceptible population through death, destruction and/or slaughter | | | | | |
| **Not calculated because of missing information | | | | | | |

Epidemiology

| | |
|--|--|
| Source of the outbreak(s) or origin of infection | Unknown or inconclusive |
| Epidemiological comments | Two dogs from one household were placed under quarantine on 18 March 2020 after their owner was hospitalised due to COVID-19 infection. Following veterinary examination nasal, oral, and rectal swab samples were taken after the dogs' admission to the quarantine facility. Samples from one of the dogs taken on 18 and 19 March 2020 tested positive for SARS-CoV-2. Both animals did not exhibit any specific clinical signs. Investigations are continuing. 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

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|------------------------|--|
| Measures applied | Screening Traceability Quarantine Disinfection Vaccination permitted (if a vaccine exists) No treatment of affected animals |
| Measures to be applied | No other measures |

Diagnostic test results

| Laboratory name and type | Species | Test | Test date | Result |
|---|---------|---|------------|----------|
| Tai Lung Veterinary Laboratory, Agriculture Fisheries and Conservation Department (National laboratory) | Dogs | real-time reverse transcriptase/polymerase chain reaction (RRT-PCR) | 19/03/2020 | Positive |
| Tai Lung Veterinary Laboratory, Agriculture Fisheries and Conservation Department (National laboratory) | Dogs | real-time reverse transcriptase/polymerase chain reaction (RRT-PCR) | 20/03/2020 | Positive |
| School of Public Health, The University of Hong Kong (Regional Reference Laboratory) | Dogs | real-time reverse transcriptase/polymerase chain reaction (RRT-PCR) | 19/03/2020 | Positive |
| School of Public Health, The University of Hong Kong (Regional Reference Laboratory) | Dogs | real-time reverse transcriptase/polymerase chain reaction (RRT-PCR) | 20/03/2020 | Positive |

Future Reporting

The event is continuing. Weekly follow-up reports will be submitted.

Map of outbreak locations

