



**COVID-19 (SARS-COV-2),  
Hong Kong (SAR - PRC)**

Information received on 01/03/2020 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**

|                                   |  |
|-----------------------------------|--|
| Report type                       | Immediate notification   |
| Date of start of the event        | 26/02/2020   |
| Date of confirmation of the event | 28/02/2020   |
| Report date                       | 29/02/2020   |
| Date submitted to OIE             | 01/03/2020   |
| Reason for notification           | Emerging disease   |
| Morbidity                         | 1 (scale 0 to 5)   |
| Mortality                         | 0 (scale 0 to 5)   |
| Zoonotic impact                   | Zoonotic potential unknown at this time  |
| Causal agent                      | SARS-CoV-2   |
| Related reports                   | <a href="#">Immediate notification (29/02/2020)</a><br><a href="#">Follow-up report No. 1 (07/03/2020)</a> |

**New outbreaks (1)**

|                               |  |             |       |        |                        |             |
|-------------------------------|--|-------------|-------|--------|------------------------|-------------|
| Outbreak 1                    | Tai Hang, Islands District, Hong Kong  |             |       |        |                        |             |
| Date of start of the outbreak | 26/02/2020   |             |       |        |                        |             |
| Outbreak status               | Continuing (or date resolved not provided)   |             |       |        |                        |             |
| Epidemiological unit          | Other  |             |       |        |                        |             |
| Affected animals              | Species  | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered |
|                               | Dogs   | 1           | 1     | 0      | 0                      | 0           |
| Affected population           | A dog kept in the same household as a confirmed COVID-19 patient. The animal did not show any relevant clinical signs. |             |       |        |                        |             |

|                        |                    |                         |                         |                             |                                      |             |
|------------------------|--------------------|-------------------------|-------------------------|-----------------------------|--------------------------------------|-------------|
| Summary of outbreaks   | Total outbreaks: 1 |                         |                         |                             |                                      |             |
| Total animals affected | Species            | Susceptible             | Cases                   | Deaths                      | Killed and disposed of               | Slaughtered |
|                        | Dogs               | 1                       | 1                       | 0                           | 0                                    | 0           |
| Outbreak statistics    | Species            | Apparent morbidity rate | Apparent mortality rate | Apparent case fatality rate | Proportion susceptible animals lost* |             |
|                        | Dogs               | 100.00%                 | 0.00%                   | 0.00%                       | 0.00%                                |             |

\*Removed from the susceptible population through death, destruction and/or slaughter

**Epidemiology**

|  |   |
|--|---|
| Source of the outbreak(s) or origin of 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. The dog has not exhibited any specific clinical signs. Additional samples taken on 28 February also tested positive. Investigations are continuing to determine the duration of virus detection. 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**

|                  |                           |
|------------------|---------------------------|
| Measures applied | Screening<br>Traceability |
|------------------|---------------------------|

|                               |   |
|-------------------------------|---|
|                               | Quarantine<br>Disinfection<br>Vaccination permitted (if a vaccine exists)<br>No treatment of affected animals |
| <b>Measures to be applied</b> | No other measures   |

**Diagnostic test results**

| Laboratory name and type  | Species | Test  | Test date  | Result   |
|---|---------|---|------------|----------|
| Tai Lung Veterinary Laboratory (National laboratory)  | Dogs    | real-time reverse transcriptase/polymerase chain reaction (RRT-PCR) | 28/02/2020 | Positive |
| Tai Lung Veterinary Laboratory, Agriculture Fisheries and Conservation Department (National laboratory) | Dogs    | real-time reverse transcriptase/polymerase chain reaction (RRT-PCR) | 27/02/2020 | Positive |
| School of Public Health, The University of Hong Kong (Regional Reference Laboratory)                    | Dogs    | real-time reverse transcriptase/polymerase chain reaction (RRT-PCR) | 27/02/2020 | Positive |

**Future Reporting**

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

**Map of outbreak locations**

