Immediate notification report


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Date submitted to OIE: 29/12/2017

Animal type: Terrestrial
Date of report: 29/12/2017

Disease: Highly pathogenic influenza A viruses (infection with) (non-poultry including wild birds)
Date of start of the event: 21/12/2017

Causal Agent: Highly pathogenic influenza A virus
Date of confirmation of the event: 25/12/2017

Serotype(s): H5N6
Date of last occurrence: 07/04/2017

Reason: Recurrence of a listed disease
Diagnosis: Laboratory (advanced), Necropsy

Country or zone: the whole country
Clinical signs: Yes

Number of reported outbreaks: submitted=1, Draft=0

Province | Number of outbreaks | District | Sub-district | Unit Type | Location | Latitude | Longitude | Start Date | End Date
---|---|---|---|---|---|---|---|---|---
HONG KONG (this report - submitted) | 1 | Yuen Long | | Not applicable | Hong Kong Wetland Park, Tin Shui Wai | 22.468565 | 114.005192 | 21/12/2017 | 21/12/2017

Species | Measuring units | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered
---|---|---|---|---|---|---
Black-faced spoonbill (Platalea minor) | Animals | | 1 | 1 | 0 | 0

Affected Population: A dead Black-faced spoonbill was collected on 21st December 2017 at the mudflat of Hong Kong Wetland Park. The species is a common winter visitor in Deep Bay areas with small number recorded in summer.

Outbreak summary: Total outbreaks = 1 (Submitted)

Species | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered
---|---|---|---|---|---
Black-faced spoonbill | 1 | 1 | 0 | 0 | 0

Epidemiology

Epidemiological comments:
An intensive surveillance system is in place for all poultry farms, poultry markets, and pet bird shops in Hong Kong. The virus was detected during disease investigation of the species. No spread of disease was evident. There are two poultry farms located within three kilometres of where the bird was found. No abnormalities or signs of avian influenza were found in the two poultry farms. The date of end of the outbreak is the same as the date the bird was found (21 December 2017).

Source of the outbreak(s) or origin of infection:
• Unknown or inconclusive

Measures applied

Applied
• screening
• disinfection

To be applied
• no planned control measures

Animals treated

Vaccination Prohibited

No

Diagnostic test results

Laboratory Type | Name of Laboratory | Species | Test Type | Date results provided | Result
---|---|---|---|---|---
Regional Reference Laboratory | Centre of Influenza Research, School of Public Health, Li Ka Shing Faculty of Medicine, University of Hong Kong | Black-faced spoonbill | gene sequencing | Pending |
<table>
<thead>
<tr>
<th>Laboratory Type</th>
<th>Name of Laboratory</th>
<th>Species</th>
<th>Test Type</th>
<th>Date results provided</th>
<th>Result</th>
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</thead>
<tbody>
<tr>
<td>National laboratory</td>
<td>Tai Lung Veterinary Laboratory, Agriculture, Fisheries &amp; Conservation Department</td>
<td>Black-faced spoonbill</td>
<td>nucleotide sequencing</td>
<td>27/12/2017</td>
<td>Positive</td>
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<td>National laboratory</td>
<td>Tai Lung Veterinary Laboratory, Agriculture, Fisheries &amp; Conservation Department</td>
<td>Black-faced spoonbill</td>
<td>virus isolation</td>
<td>25/12/2017</td>
<td>Positive</td>
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<tr>
<td>National laboratory</td>
<td>Tai Lung Veterinary Laboratory, Agriculture, Fisheries &amp; Conservation Department</td>
<td>Black-faced spoonbill</td>
<td>immunohistochemical test</td>
<td>22/12/2017</td>
<td>Positive</td>
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<tr>
<td>National laboratory</td>
<td>Tai Lung Veterinary Laboratory, Agriculture, Fisheries &amp; Conservation Department</td>
<td>Black-faced spoonbill</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>22/12/2017</td>
<td>Positive</td>
</tr>
</tbody>
</table>

**Future Reporting**

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