**Immediate notification report**


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**Report Summary**

**Name of sender of the report**

Dr Kazuo Ito

**Telephone**

+81 3 3502 8295

**Fax**

+81 3 3502 3385

**Email**

animal_health88@maff.go.jp

**Address**

1-2-1 Kasumigaseki Chiyoda-ku Tokyo 100-8950

**Date submitted to OIE**

22/11/2016

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**Animal type**

Terrestrial

**Date of report**

21/11/2016

**Date of start of the event**

15/11/2016

**Causal Agent**

Highly pathogenic avian influenza virus

**Date of confirmation of the event**

21/11/2016

**Serotype(s)**

H5N6

**Date of last occurrence**

17/02/2015

**Reason**

Reoccurrence of a listed disease

**Diagnosis**

Clinical, Laboratory (basic), Laboratory (advanced)

**Country or zone**

a zone or compartment

**Clinical signs**

Yes

**Number of reported outbreaks**

Submitted=2, Draft=0

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**Outbreak details**

<table>
<thead>
<tr>
<th>Prefecture</th>
<th>Number of outbreaks</th>
<th>District</th>
<th>Sub-district</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>AKITA- (this report - submitted)</td>
<td>-</td>
<td>-</td>
<td>Zoo</td>
<td>Akita-shi</td>
<td>39.671954</td>
<td>140.076242</td>
<td>15/11/2016</td>
<td>15/11/2016</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

Black Swan: Anatidae (Cygnus atratus)

**Measuring units**

Susceptible Cases Deaths Destroyed Slaughtered

| Animals | ... | 1 | 1 | 0 | 0 |

**Affected Population**

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**Affected Population**

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**Outbreak summary:** Total outbreaks = 2 (Submitted)

<table>
<thead>
<tr>
<th>Species</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Swan</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

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**Epidemiology**

**Epidemiological comments**

On 15th November 2016, one death case of Cygnus atratus (black swan) was found in the zoo and its sample was tested by antigen-capture kit with positive result for influenza A virus. On 17th November 2016, another death case of Cygnus atratus was found in the same facility and positive result was gained by antigen-capture kit.

On 21st November 2016, the two dead cases were confirmed to be positive for H5N6 subtype influenza A virus.

**Source of the outbreak(s) or origin of infection**

• Unknown or inconclusive

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**Measures applied**

**Applied**

• screening

**To be applied**

• no planned control measures

**Animals treated**

Vaccination Prohibited

**No**

**Yes**

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**Diagnostic test results**

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<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>
</tr>
</thead>
<tbody>
<tr>
<td>OIE Reference Laboratory</td>
<td>Hokkaido University</td>
<td>Black Swan</td>
<td>virus isolation</td>
<td>19/11/2016</td>
<td>Positive</td>
</tr>
<tr>
<td>OIE Reference Laboratory</td>
<td>Hokkaido University</td>
<td>Black Swan</td>
<td>virus sequencing</td>
<td>21/11/2016</td>
<td>Positive</td>
</tr>
<tr>
<td>OIE Reference Laboratory</td>
<td>Hokkaido University</td>
<td>Black Swan</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>20/11/2016</td>
<td>Positive</td>
</tr>
<tr>
<td>OIE Reference Laboratory</td>
<td>Hokkaido University</td>
<td>Black Swan</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>19/11/2016</td>
<td>Positive</td>
</tr>
<tr>
<td>OIE Reference Laboratory</td>
<td>Hokkaido University</td>
<td>Black Swan</td>
<td>neuraminidase inhibition assay</td>
<td>20/11/2016</td>
<td>Positive</td>
</tr>
<tr>
<td>OIE Reference Laboratory</td>
<td>Hokkaido University</td>
<td>Black Swan</td>
<td>haemagglutination inhibition test (HIT)</td>
<td>19/11/2016</td>
<td>Positive</td>
</tr>
</tbody>
</table>

**Future Reporting**

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