# Follow-up report No.11

**Report reference**: , **Reference OIE**: 16988, **Report Date**: 20/01/2015, **Country**: Japan

## Report Summary

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**Position**: CVO

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**Date submitted to OIE**: 20/01/2015

**Animal type**: Terrestrial

**Date of report**: 20/01/2015

**Disease**: Highly pathogenic avian influenza

**Date of start of the event**: 03/11/2014

**Causal Agent**: Highly pathogenic avian influenza virus

**Date of pre-confirmation of the event**: 13/11/2014

**Serotype(s)**: H5N8

**Date of last occurrence**: 16/04/2014

**Reason**: Reoccurrence of a listed disease

**Diagnosis**: Clinical, Laboratory (basic), Laboratory (advanced)

**Country or zone**: the whole country

**Clinical signs**: Yes

**Number of reported outbreaks**: submitted= 14, Draft= 0

### Outbreak details

#### Province: SHIMANE

**Species**: Tundra Swan, Anatidae (Cygnus columbianus)

**Affected Population**: 2 fecal samples from Cygnus columbianus (tundra swan)

**Province**: TOTTORI

**Species**: Anatidae (unidentified), Anatidae (unidentified)

**Affected Population**: A fecal sample from Anatidae (species are unidentified since only fecal samples were collected)

**Province**: CHIBA

**Species**: Anatidae (unidentified), Anatidae (unidentified)

**Affected Population**: 2 fecal samples from Anatidae (species are unknown since only fecal samples were collected)
### Affected Population

- **Species:** White-naped crane (Gruidae: Grus vipio)
  - Measuring units: Animals
  - Susceptible: 1
  - Cases: 1
  - Deaths: 0
  - Destroyed: 0
  - Slaughtered: 0

### Affected Population

- **Species:** Gruidae (unidentified) (Gruidae (incognita))
  - Measuring units: Animals
  -Susceptible: 1
  - Cases: 1
  - Deaths: 0
  - Destroyed: 0
  - Slaughtered: 0

### Affected Population

- **Species:** Hooded crane (Gruidae: Grus monacha)
  - Measuring units: Animals
  - Susceptible: 1
  - Cases: 1
  - Deaths: 0
  - Destroyed: 0
  - Slaughtered: 0

### Affected Population

- **Species:** Mandarin Duck (Anatidae: Aix galericulata)
  - Measuring units: Animals
  - Susceptible: 1
  - Cases: 1
  - Deaths: 0
  - Destroyed: 0
  - Slaughtered: 0

### Affected Population

- **Species:** Birds
  - Measuring units: Animals
  -Susceptible: 4031
  - Cases: 31
  - Deaths: 31
  - Destroyed: 4000
  - Slaughtered: 0

### Affected Population

- **Species:** Hooded crane (Gruidae: Grus monacha)
  - Measuring units: Animals
  - Susceptible: 1
  - Cases: 1
  - Deaths: 0
  - Destroyed: 0
  - Slaughtered: 0

A weakened Grus vipio (white-naped crane) was found and tested.

Water collected from roost of cranes (not from animals).

A dead Grus monacha (hooded crane) was found and tested.

A dead Aix galericulata (Mandarin duck) was found and tested.

A dead Aix galericulata was found and tested.

Poultry (broiler breeder) was affected.
### Outbreak summary: Total outbreaks = 14 (Submitted)

<table>
<thead>
<tr>
<th>Species</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tundra Swan</td>
<td>Birds</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Anatidae (unidentified)</td>
<td>Birds</td>
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<tr>
<td>White-naped crane</td>
<td>Animals</td>
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<td>Greusidae (unidentified)</td>
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<td>0</td>
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<tr>
<td>Hooded crane</td>
<td>Animals</td>
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<tr>
<td>Mandarin Duck</td>
<td>Animals</td>
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<td>0</td>
<td>0</td>
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<td>0</td>
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<tr>
<td>Birds</td>
<td>Animals</td>
<td>352001</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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</tbody>
</table>

### Epidemiology

#### Epidemiological comments

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Printed on: Tue Jan 20 18:34:20 CET 2015
Epidemiological comments

Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

On 17 January 2015, the local veterinary service in Saga prefecture received a notification from a broiler breeder farm on an increase in the number of dead birds. The samples from the dead birds were sent to the laboratory of the local veterinary service centre (Chubu Livestock Hygiene Centre) and it was found that the samples were influenza A virus positive by antigen-captive kits. On the same day the centre started RT-PCR test and on the following day it was confirmed that the subtype was H5.

Movement restriction is imposed on the farms within the radius of 3km of the affected farm. Shipment restriction is imposed on the farms within the radius of 3-10km of the affected farm.

On 19 January 2015, the National Institute of Animal Health (NIAH) confirmed that the isolated virus is highly pathogenic to chickens based on gene sequencing and also identified the NA subtype as N8.

Follow-up information on the second outbreak in poultry in Miyazaki reported in the follow-up report No.7:

On 20 January 2015, the movement restriction was lifted since 21 days had passed without any new outbreaks after control measures including stamping out, which were completed on 29 December 2014.

Follow-up information on the outbreak in poultry in Okayama reported in the follow-up report No.10:

On 17 January 2015, NIAH confirmed that the isolated virus is highly pathogenic to chickens based on gene sequencing and also identified the NA subtype as N8.

On 19 January 2015, destruction of all the susceptible birds in the affected farm (approx. 200,000 birds) was completed.

Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

Measures applied

Applied
• control of wildlife reservoirs
• stamping out
• quarantine
• movement control inside the country
• screening
• disinfection of infected premises/establishment(s)

To be applied
• no planned control measures

Animals treated

No

Vaccination Prohibited

Yes

Diagnostic test results

<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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<td>National laboratory</td>
<td>National Institute of Animal Health</td>
<td>Birds</td>
<td>gene sequencing</td>
<td>19/01/2015</td>
<td>Positive</td>
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<tr>
<td>National laboratory</td>
<td>National Institute of Animal Health</td>
<td>Birds</td>
<td>gene sequencing</td>
<td>17/01/2015</td>
<td>Positive</td>
</tr>
<tr>
<td>Local laboratory</td>
<td>Chubu Livestock Hygiene Centre</td>
<td>Birds</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>18/01/2015</td>
<td>Positive</td>
</tr>
</tbody>
</table>

Future Reporting

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