### Report Summary

**Name of sender of the report**: Dr. Toshiro Kawashima  
**Position**: CVO  
**Address**: Animal Health Division  
Food Safety and Consumer Affairs Bureau  
Ministry of Agriculture, Forestry and Fisheries  
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**Fax**: (81-3) 3502 3385  
**Email**: animal_health88@nm.maff.go.jp  
**Date submitted to OIE**: 19/12/2014

**Animal type**: Terrestrial  
**Date of report**: 19/12/2014

**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= 7, Draft= 0

### Outbreak details

<table>
<thead>
<tr>
<th>Province</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>SHIMANE-other report - submitted</td>
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<tr>
<td>TOTTORI-other report - submitted</td>
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<td>CHIBA-other report - submitted</td>
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</tbody>
</table>

#### Affected Population

- **Province**: SHIMANE  
  - **Number of outbreaks**: submitted= 7, Draft= 0  
  - **Species**: Tundra Swan (Cygnus columbianus)  
  - **Measuring units**: Animals  
  - **Susceptible**: 1  
  - **Cases**: 0  
  - **Deaths**: 0  
  - **Destroyed**: 0  
  - **Slaughtered**: 0  
  - **Affected Population**: 2 fecal samples from Cygnus columbianus (tundra swan)

- **Province**: TOTTORI  
  - **Number of outbreaks**: submitted= 7, Draft= 0  
  - **Species**: Anatidae (unidentified)  
  - **Measuring units**: Animals  
  - **Susceptible**: 1  
  - **Cases**: 0  
  - **Deaths**: 0  
  - **Destroyed**: 0  
  - **Slaughtered**: 0  
  - **Affected Population**: A fecal sample from Anatidae (species are unidentified since only fecal samples were collected)

- **Province**: CHIBA  
  - **Number of outbreaks**: submitted= 7, Draft= 0  
  - **Species**: Anatidae (unidentified)  
  - **Measuring units**: Animals  
  - **Susceptible**: 1  
  - **Cases**: 0  
  - **Deaths**: 0  
  - **Destroyed**: 0  
  - **Slaughtered**: 0  
  - **Affected Population**: 2 fecal samples from Anatidae (species are unknown since only fecal samples were collected)
### Province: KAGOSHIMA
- **Species:** White-naped crane (Gruidae: Grus vipio)
- **Location:** Izumi-shi
- **Start Date:** 23/11/2014
- **End Date:** 29/11/2014
- **Susceptible:** Animals
- **Deaths:** 1
- **Destroyed:** 0
- **Slaughtered:** 0

**Affected Population:** A weakened Grus vipio (white-naped crane) was found and tested.

### Province: KAGOSHIMA
- **Species:** Gruidae (unidentified): Gruidae (Gruidae (incognita))
- **Location:** Izumi-shi
- **Start Date:** 01/12/2014
- **End Date:** 06/12/2014
- **Susceptible:** Animals
- **Deaths:** 0
- **Destroyed:** 0
- **Slaughtered:** 0

**Affected Population:** Water collected from roost of cranes (not from animals).

### Province: MIYAZAKI
- **Species:** Hooded crane (Gruidae: Grus monacha)
- **Location:** Nobeoka-shi
- **Start Date:** 07/12/2014
- **End Date:** 10/12/2014
- **Susceptible:** Animals
- **Deaths:** 0
- **Destroyed:** 0
- **Slaughtered:** 0

**Affected Population:** A dead Grus monacha (hooded crane) was found and tested.

### Outbreak summary: Total outbreaks = 7 (Submitted)

- **Tundra Swan:** 1 susceptible, 0 deaths, 0 destroyed, 0 slaughtered
- **Anatidae (unidentified): Anatidae (unidentified):** 2 susceptible, 0 deaths, 0 destroyed, 0 slaughtered
- **White-naped crane:** 1 susceptible, 1 death, 0 destroyed, 0 slaughtered
- **Gruidae (unidentified):** 0 susceptible, 0 deaths, 0 destroyed, 0 slaughtered
- **Hooded crane:** 1 susceptible, 1 death, 0 destroyed, 0 slaughtered
- **Birds (4031):** 31 susceptible, 31 deaths, 4000 destroyed, 0 slaughtered

**Epidemiology**

**Epidemiological comments:**

- After the destruction of all the susceptible birds in the affected farm (approx. 4,000 birds), carcasses of destroyed birds and contaminated materials were buried and farm premises were disinfected. These control measures were completed on 16 December 2014.

- Movement restrictions (3km radius of the affected farm) and shipment restrictions (3-10km radius of the affected farm) are continuing. There is a farm rearing poultry within the movement restriction zones and they are under surveillance. A total of 10 disinfection stations were established in and around the restriction zones.

- On 17 December 2014, the National Institute of Animal Health (NIAH) confirmed that the isolated virus is highly pathogenic to birds, based on gene sequencing.

- On 19 December 2014, the NA subtype was confirmed as N8 by NIAH.

- Movement control inside the country and stamping out are not applied for outbreaks in wild birds.

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

- Unknown or inconclusive
Measures applied

<table>
<thead>
<tr>
<th>Applied</th>
<th>To be applied</th>
</tr>
</thead>
<tbody>
<tr>
<td>• control of wildlife reservoirs</td>
<td>• no planned control measures</td>
</tr>
<tr>
<td>• stamping out</td>
<td></td>
</tr>
<tr>
<td>• quarantine</td>
<td></td>
</tr>
<tr>
<td>• movement control inside the country</td>
<td></td>
</tr>
<tr>
<td>• screening</td>
<td></td>
</tr>
<tr>
<td>• disinfection of infected premises/establishment(s)</td>
<td></td>
</tr>
</tbody>
</table>

Animals treated

<table>
<thead>
<tr>
<th>Vaccination Prohibited</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
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</tbody>
</table>

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>
</tr>
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<tbody>
<tr>
<td>National laboratory</td>
<td>Birds</td>
<td>neuraminidase inhibition assay</td>
<td>19/12/2014</td>
<td>Positive</td>
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</tr>
<tr>
<td>National laboratory</td>
<td>Birds</td>
<td>gene sequencing</td>
<td>17/12/2014</td>
<td>Positive</td>
<td></td>
</tr>
</tbody>
</table>

Future Reporting

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