## Report Summary

**Name of sender of the report**
Dr Kazuo Ito

**Position**
Director

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**Fax**
+81 3 3502 3385

**Email**
animal_health88@maff.go.jp

**Date submitted to OIE**
26/12/2016

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## Animal type
**Terrestrial**

## Disease
**Highly pathogenic avian influenza**

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

## Serotype(s)
**H5N6**

## Reason
Reoccurrence of a listed disease

## Country or zone
the whole country

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## Number of reported outbreaks
submitted= 7, 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>AOMORI</td>
<td>-</td>
<td>Farm</td>
<td>Aomori-shi</td>
<td></td>
<td>40.814459</td>
<td>140.749038</td>
<td>28/11/2016</td>
<td>05/12/2016</td>
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</tr>
<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>18370</td>
<td>10</td>
<td>10</td>
<td>18360</td>
<td>0</td>
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</table>

Affected Population: Poultry (domestic ducks)

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<table>
<thead>
<tr>
<th>Prefecture</th>
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<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Sekikawa-mura</td>
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<td>38.089616</td>
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<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
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<td>Destroyed</td>
<td>Slaughtered</td>
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<tr>
<td>Birds</td>
<td>Animals</td>
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<td>130</td>
<td>313917</td>
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Affected Population: Poultry (layers)

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<table>
<thead>
<tr>
<th>Prefecture</th>
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<th>District</th>
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<th>Location</th>
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<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIIGATA</td>
<td>-</td>
<td>Farm</td>
<td>Joetsu-shi</td>
<td></td>
<td>37.147864</td>
<td>138.236002</td>
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<td>06/12/2016</td>
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<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
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<td></td>
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<td>Animals</td>
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</table>

Affected Population: Poultry (layers)

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<td>140.749038</td>
<td>02/12/2016</td>
<td>05/12/2016</td>
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</tr>
<tr>
<td>Species</td>
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<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>4725</td>
<td>5</td>
<td>5</td>
<td>4720</td>
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</table>

Affected Population: Poultry (domestic ducks)

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<th>Longitude</th>
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<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOKKAIDO</td>
<td>-</td>
<td>Farm</td>
<td>Shimizu-cho</td>
<td></td>
<td>43.01135</td>
<td>142.884491</td>
<td>16/12/2016</td>
<td>24/12/2016</td>
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<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
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<tr>
<td>Birds</td>
<td>Animals</td>
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</tbody>
</table>

Affected Population: Poultry (layers)
Outbreak summary: Total outbreaks = 7 (Submitted)

Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered
---|---|---|---|---|---|---
Birds | 1085865 | 425 | 425 | 978490 | 0

Epidemiology

Epidemiological comments

Outbreak 1 (Aomori), 2 (Niigata, Sekikawa-mura) and 4 (Aomori, 2nd case) – follow up information of the previous reports

On 27 December 2016, the movement restriction was lifted since 21 days had passed without any new outbreaks after control measures including stamping out had been completed on 5 December 2016.

Outbreak 3 (Niigata, Joetsu-shi) – follow up information of the previous reports

On 28 December 2016, the movement restriction was lifted since 21 days had passed without any new outbreaks after control measures including stamping out had been completed on 6 December 2016.

Outbreak 5 (Hokkaido, Shimizu-cho) – follow up information of the previous reports

On 20 November 2016, the N-type was identified as N6 by NIAH.

On 24 December 2016, control measures including disinfection of the affected premises were completed.

Outbreak 6 (Miyazaki, Kawaminami-cho) – follow up information of the previous reports

On 21 December 2016, control measures including disinfection of the affected premises were completed.

On 22 November 2016, the N-type was identified as N6 by NIAH.

Outbreak 7 (Kumamoto) – this report

On 26 December 2016, the local veterinary service in Kumamoto Prefecture received a notification from a domestic hen farm on an increase in the number of dead birds (50 birds on the same day).

The samples were sent to the laboratory of local veterinary service (Kumamoto Livestock Hygiene Service Centre) and the samples from dead birds were confirmed to be influenza A virus positive by antigen-capture kits and to be subtype H5 by RT-PCR and RRT-PCR in Kumamoto Livestock Hygiene Service Centre.

Destruction of all the susceptible birds in the affected farm is being implemented.

Movement restriction is imposed on the farms within a radius of 3km of the affected farm.

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

The N-type has not yet been identified.

Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

Measures applied

Applied | To be applied
---|---
• stamping out | • no planned control measures
• quarantine
• movement control inside the country
• screening
• disinfection / disinfestation

Animals treated | Vaccination Prohibited

Follow-up report No.: 3, Report reference: , OIE Ref: 22064, Report Date: 26/12/2016, Country: Japan
### Animals treated

<table>
<thead>
<tr>
<th>Vaccination Prohibited</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
<tr>
<td>Yes</td>
</tr>
</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>
</thead>
<tbody>
<tr>
<td>Local laboratory</td>
<td>Kumamoto Livestock Hygiene Service Centre</td>
<td>Birds</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>27/12/2016</td>
<td>Positive</td>
</tr>
<tr>
<td>Local laboratory</td>
<td>Kumamoto Livestock Hygiene Service Centre</td>
<td>Birds</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>27/12/2016</td>
<td>Positive</td>
</tr>
<tr>
<td>Local laboratory</td>
<td>Kumamoto Livestock Hygiene Service Centre</td>
<td>Birds</td>
<td>rapid tests</td>
<td>26/12/2016</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>the National Institute of Animal Health</td>
<td>Birds</td>
<td>gene sequencing</td>
<td>22/12/2016</td>
<td>Positive</td>
</tr>
</tbody>
</table>

### Future Reporting

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

Follow-up report No.: 3, Report reference: , OIE Ref: 22064, Report Date: 26/12/2016, Country: Japan