## Follow-up report No.: 5


### Report Summary

<table>
<thead>
<tr>
<th>Disease</th>
<th>Highly pathogenic avian influenza</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal type</td>
<td>Terrestrial</td>
</tr>
<tr>
<td>Causal Agent</td>
<td>Highly pathogenic avian influenza virus</td>
</tr>
<tr>
<td>Serotype(s)</td>
<td>H5N1</td>
</tr>
<tr>
<td>Clinical Signs</td>
<td>Yes</td>
</tr>
<tr>
<td>Reason</td>
<td>Recurrence of a listed disease</td>
</tr>
<tr>
<td>Date of first confirmation of the event</td>
<td>29/11/2010</td>
</tr>
<tr>
<td>Date of report</td>
<td>23/01/2011</td>
</tr>
<tr>
<td>Date of Start of Event</td>
<td>27/11/2010</td>
</tr>
<tr>
<td>Date Submitted To OIE</td>
<td>25/01/2011</td>
</tr>
<tr>
<td>Diagnosis</td>
<td>Clinical, Laboratory (basic), Laboratory (advanced), Necropsy</td>
</tr>
<tr>
<td>Date Of Last Occurrence</td>
<td>01/04/2009</td>
</tr>
<tr>
<td>Number Of Reported Outbreaks</td>
<td>Submitted= 4, Draft= 0</td>
</tr>
<tr>
<td>Name of Sender of the report</td>
<td>Dr Toshiro Kawashima</td>
</tr>
<tr>
<td>Address</td>
<td>Animal Health Division</td>
</tr>
<tr>
<td>Position</td>
<td>CVO</td>
</tr>
<tr>
<td>Telephone</td>
<td>(81-3) 3502 8295</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:animal_health@nm.maff.go.jp">animal_health@nm.maff.go.jp</a></td>
</tr>
</tbody>
</table>

### Outbreak (other report - submitted)

#### SHIMANE

<table>
<thead>
<tr>
<th>Province</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</td>
<td>Farm</td>
<td>Yasugi city</td>
<td>35.432211</td>
<td>133.251157</td>
<td>27/11/2010</td>
<td>05/12/2010</td>
</tr>
</tbody>
</table>

<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>Birds</td>
<td>Animals</td>
<td>21606</td>
<td>57</td>
<td>57</td>
<td>21549</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population:** poultry (layer)

### Outbreak (other report - submitted)

#### TOTTORI

<table>
<thead>
<tr>
<th>Province</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>TOTTORI</td>
<td>Not applicable</td>
<td>Around the wild bird park</td>
<td>35.443384</td>
<td>133.30569</td>
<td>04/12/2010</td>
<td>04/12/2010</td>
</tr>
</tbody>
</table>

<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>Wild species</td>
<td>Animals</td>
<td>...</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>
Affected Population: Cygnus columbianus (tundra swan)

Outbreak (this report - submitted)

<table>
<thead>
<tr>
<th>Province</th>
<th>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>MIYAZAKI</td>
<td>Miyazaki city</td>
<td>Farm</td>
<td>Sadohara-cho</td>
<td>32.05989</td>
<td>131.431375</td>
<td>21/01/2011</td>
<td>24/01/2011</td>
</tr>
</tbody>
</table>

Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>10240</td>
<td>36</td>
<td>36</td>
<td>10204</td>
<td>0</td>
</tr>
</tbody>
</table>

Affected Population: poultry (broiler breeding stock)

Outbreak (this report - submitted)

<table>
<thead>
<tr>
<th>Province</th>
<th>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>MIYAZAKI</td>
<td>Koyu-gun</td>
<td>Farm</td>
<td>Shintomi-cho</td>
<td>32.0937</td>
<td>131.48</td>
<td>23/01/2011</td>
<td></td>
</tr>
</tbody>
</table>

Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>410000</td>
<td>20</td>
<td>20</td>
<td>409980</td>
<td>0</td>
</tr>
</tbody>
</table>

Affected Population: Poultry (layer)

Outbreak summary: Total outbreaks = 4 (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>Birds</td>
<td>441846</td>
<td>113</td>
<td>113</td>
<td>441733</td>
<td>0</td>
</tr>
<tr>
<td>Wild species</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

Epidemiology

Epidemiological comments

On 21 January 2011, a local veterinary officer visited a farm immediately after notification from the farmer and collected specimens for inspection. On 22 January 2011, Miyazaki prefecture confirmed the samples were positive to influenza A subtype H5 by RT-PCR. All poultry kept in the farm were destroyed by 23 January 2011.

On 23 January 2011, the prefecture confirmed samples collected in another farm located at about 8.5 km away from the first farm were also positive to influenza A subtype H5 by RT-PCR. All poultry kept in the same site (12 henhouses) are being destroyed as a susceptible animal.

The National Institute of Animal Health confirmed that an isolate from the first farm contained highly pathogenic avian influenza viruses subtype H5N1 on 24 January 2011. The virus is a closely-related strain with the viruses isolated in Shimane prefecture, Toyama prefecture and Kagoshima prefecture. An isolate from the other farm is being tested.

Movement restrictions have been conducted within 10 km around the first farm since 21 January 2011 and within 10 km around the other affected farm since 23 January 2011.

Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

Control Measures

<table>
<thead>
<tr>
<th>Applied</th>
<th>To be applied</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Stamping out</td>
<td>• No Planned Control Measures</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

No
## 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>Miyazaki Livestock Hygiene Centre</td>
<td>Birds</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>23/01/2011</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>National Institute of Animal Health</td>
<td>Birds</td>
<td>virus isolation</td>
<td>24/01/2011</td>
<td>Positive</td>
</tr>
<tr>
<td>Local laboratory</td>
<td>Miyazaki Livestock Hygiene Centre</td>
<td>Birds</td>
<td>gene sequencing</td>
<td>22/01/2011</td>
<td>Positive</td>
</tr>
</tbody>
</table>

## Future Reporting

What further reports will be submitted in relation to this event?

There are 1 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

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