Report Summary

Disease: Highly pathogenic avian influenza
Animal type: Terrestrial

Causal Agent: Highly pathogenic avian influenza virus
Serotype(s): H5N2

Clinical Signs: Yes
Reason: First occurrence of a listed disease

Date of first confirmation of the event: 13/02/2012
Date of report: 25/05/2012

Diagnosis: Clinical, Laboratory (advanced)

Name of Sender of the report: Dr Kwo-Ching Huang

Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>Prefecture/City</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>T'AI-NAN</td>
<td>Farm</td>
<td>Liou-Jia District</td>
<td>23.245846</td>
<td>120.309696</td>
<td>07/02/2012</td>
<td></td>
</tr>
</tbody>
</table>

Species: Birds
Measuring units: Animals
Susceptible: 4840
Cases: 804
Deaths: 804
Destroyed: 4036
Slaughtered: 0

Affected Population: Broiler breeder

Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>Prefecture/City</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>CHANG-HUA</td>
<td>Farm</td>
<td>Fang-Yuan</td>
<td>23.909667</td>
<td>120.359983</td>
<td>02/02/2012</td>
<td></td>
</tr>
</tbody>
</table>

Species: Birds
Measuring units: Animals
Susceptible: 9625
Cases: 318
Deaths: 318
Destroyed: 9307
Slaughtered: 0

Affected Population: Native chicken

Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>Prefecture/City</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>CHANG-HUA</td>
<td>Farm</td>
<td>Chu-Tang Township</td>
<td>23.86208</td>
<td>120.42694</td>
<td>05/03/2012</td>
<td></td>
</tr>
</tbody>
</table>

Species: Birds
Measuring units: Animals
Susceptible: 8647
Cases: 426
Deaths: 426
Destroyed: 8221
Slaughtered: 0
### Outbreak (other report - submitted)

**Affected Population**  
Layer chicken

### Prefecture/City | Unit Type | Location | Latitude | Longitude | Start date | End Date |
---|---|---|---|---|---|---|
PING-TUNG | Not applicable | Yen-Pu Township | 22.727691 | 120.534825 | 15/03/2012 | |

**Species** | **Measuring units** | **Susceptible** | **Cases** | **Deaths** | **Destroyed** | **Slaughtered** |
---|---|---|---|---|---|---|
Birds | Animals | 7747 | 99 | 99 | 7648 | 0 |

**Affected Population**  
Native chicken at an abattoir

### Outbreak (other report - submitted)

**Affected Population**  
Native chicken at an abattoir

### Prefecture/City | Unit Type | Location | Latitude | Longitude | Start date | End Date |
---|---|---|---|---|---|---|
YUN-LIN | Farm | Bei-Gang Township | 23.555863 | 120.284898 | 07/05/2012 | |

**Species** | **Measuring units** | **Susceptible** | **Cases** | **Deaths** | **destroyed** | **Slaughtered** |
---|---|---|---|---|---|---|
Birds | Animals | 15461 | 6500 | 3850 | 11611 | 0 |

### Outbreak summary: Total outbreaks = 5 (Submitted)

**Species** | **Susceptible** | **Cases** | **Deaths** | **Destroyed** | **Slaughtered** |
---|---|---|---|---|---|
Birds | 46320 | 8147 | 5497 | 40823 | 0 |

### Epidemiology

**Epidemiological comments**  
The results of clinical findings and pathogenicity assays (IVPI=2.91) confirmed that the virulence of this H5N2 virus was highly pathogenic. The epidemiological and clinical health investigations continued on the surrounding poultry farms within a 3-km-radius of the index farms. Up to the present, no new notifiable avian influenza case has been observed or detected.

**Source of the outbreak(s) or origin of infection**  
- Unknown or inconclusive

### Control Measures

- **Applied**
  - Stamping out  
  - Quarantine  
  - Movement control inside the country  
  - Screening  
  - Zoning  
  - Disinfection of infected premises/establishment(s)

- **To be applied**
  - No Planned Control Measures

**Vaccination Prohibited**  
Yes

**Animals treated**  
No

### Country / Zone

**Country or zone**  
the whole country

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## 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>National laboratory</td>
<td>Animal Health Research Institute</td>
<td>Birds</td>
<td>intravenous pathogenicity index (IVPI) test</td>
<td>21/05/2012</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>Animal Health Research Institute</td>
<td>Birds</td>
<td>virus isolation</td>
<td>21/05/2012</td>
<td>Positive</td>
</tr>
</tbody>
</table>

## Future Reporting

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

There are 5 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.