Follow-up report No.2  

Report Summary

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Report Summary

Animal type: Terrestrial  
Date of report: 24/12/2012  
Disease: Highly pathogenic avian influenza  
Date of start of the event: 27/08/2012  
Causal Agent: Highly pathogenic avian influenza virus  
Date of pre-confirmation of the event: 03/09/2012

Serotype(s): H5N1  
Date of last occurrence: 30/03/2012  
Reason: Reoccurrence of a listed disease  
Diagnosis: Suspicion, Clinical, Laboratory (basic), Laboratory (advanced), Necropsy

Country or zone: the whole country  
Clinical signs: Yes  
Number of reported outbreaks: submitted= 3, Draft= 0

Outbreak details

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Province</th>
<th>District</th>
<th>Village</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>BAGMATI-other report - submitted</td>
<td>Lalitpur</td>
<td>Lalitpur</td>
<td>Sanchal Farm</td>
<td>Sanepa-2</td>
<td>27.689</td>
<td>85.302</td>
<td>27/08/2012</td>
<td>04/10/2012</td>
<td></td>
</tr>
<tr>
<td>BAGMATI- (this report - submitted)</td>
<td>Bhaktapur</td>
<td>Bhaktapur</td>
<td>Bode Farm</td>
<td>Madhyapur Thimi</td>
<td>27.696</td>
<td>85.393</td>
<td>06/10/2012</td>
<td>17/10/2012</td>
<td></td>
</tr>
<tr>
<td>BAGMATI- (this report - submitted)</td>
<td>Dhading</td>
<td>Dhading</td>
<td>Naubise VDC 1 Farm</td>
<td>Dharke</td>
<td>27.735</td>
<td>85.133</td>
<td>13/12/2012</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>A affected Population</td>
<td>A commercial layer farm rearing dual purpose breed of different age group.</td>
<td></td>
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<td></td>
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<td></td>
</tr>
<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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<td>-------------</td>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>2000</td>
<td>1220</td>
<td>1220</td>
<td>780</td>
<td>0</td>
</tr>
<tr>
<td>A affected Population</td>
<td>A commercial layer farm having 2,000 birds of 1 year of age.</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
</tr>
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<td>-------------</td>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>3000</td>
<td>2850</td>
<td>2850</td>
<td>150</td>
<td>0</td>
</tr>
<tr>
<td>A affected Population</td>
<td>A commercial farm with 42-day-old broiler chicken reared in a closed farm premises.</td>
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</tr>
</tbody>
</table>

Outbreak summary: Total outbreaks = 3 (Submitted)

Epidemiology

Epidemiological comments

Birds showed swollen head with respiratory distress and started to die. High morbidity and mortality were recorded in the affected farm. All remaining birds, poultry product and poultry production materials were destroyed and disposed as per the standard operating procedure. Cleaning and disinfection activities are being continued. Intensive surveillance activities are ongoing throughout the country.

The neuraminidase type is not yet known.

Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

Measures applied

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Applied

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

To be applied

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

Animals treated

Vaccination Prohibited

No

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>
</tr>
</thead>
<tbody>
<tr>
<td>National laboratory</td>
<td>Central Veterinary Laboratory</td>
<td>Birds</td>
<td>polymerase chain reaction (PCR)</td>
<td>18/12/2012</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>Central Veterinary Laboratory</td>
<td>Birds</td>
<td>rapid tests</td>
<td>18/10/2012</td>
<td>Positive</td>
</tr>
</tbody>
</table>

Future Reporting

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