Report Summary

Disease: Highly pathogenic avian influenza
Animal type: Terrestrial
Causal Agent: Highly pathogenic avian influenza virus
Serotype(s): H5N1
Clinical Signs: Yes
Reason: Recurrence of a listed disease
Date of first confirmation of the event: 14/11/2011
Date of report: 11/03/2012
Diagnosis: Suspicion, Clinical, Laboratory (basic), Laboratory (advanced), Necropsy
Number Of Reported Outbreaks: Submitted= 11, Draft= 0
Name of Sender of the report: Dr Nar Bahadur Rajwar
Address: Harihar Bhawan, Lalitpur Lalitpur
Telephone: +977 1 55 22 056
Fax: +977 1 55 42 915
Email: rajwarnb@yahoo.com

Outbreak (other report - submitted)

Zone: BAGMATI
District: Bhaktapur
Village: Madhuyapur Thimi Municipality - 16
Unit Type: Village
Location: Manahara Phat
Latitude: 27.67
Longitude: 85.35
Start date: 10/11/2011
End Date: 11/01/2012
Species: Birds
Measuring units: Animals
Susceptible: 396
Cases: 88
Deaths: 88
Destroyed: 308
Slaughtered: 0
Affected Population: Backyard chicken and duck population

Outbreak (other report - submitted)

Zone: BAGMATI
District: Kathmandu
Village: Kathmandu Municipality-31
Unit Type: Not applicable
Location: Near City Hall
Latitude: 27.701
Longitude: 85.317
Start date: 17/01/2012
End Date: 17/01/2012
Species: Wild species
Measuring units: Animals
Susceptible: 4
Cases: 4
Deaths: 0
Destroyed: 0
Slaughtered: 0
Affected Population: Four crows were found dead near the city hall of Kathmandu Metropolitan City-31 on 17 January 2012. Crows are widely distributed throughout the residential area in Nepal.

Outbreak (other report - submitted)

Zone: MECHI
District: Ilam/Panchthar (bordering area)
Village: Phaktp-5 (Panchthar)/Phakpok 2 (Ilam)
Unit Type: Village
Location: Dhurtise Panchami
Latitude: 27.014
Longitude: 87.736
Start date: 18/01/2012
End Date: 18/01/2012
### Backyard chicken reared in the bordering village of Ilam and Panchthar districts were found having clinical signs and mortality during the routine surveillance activity. Dead birds collected from the area were found positive for HPAI.

### Outbreak (other report - submitted)

**Zone**: KOSHI  
**District**: Sunsari  
**Village**: Khanar VDC-4  
**Unit Type**: Farm  
**Location**: Pathivara poultry farm, Khanar-4  
**Species**: Birds  
**Measuring units**: Animals  
**Susceptible**: 741  
**Cases**: 500  
**Deaths**: 500  
**Destroyed**: 241  
**Slaughtered**: 0  
**Affected Population**: Backyard chicken reared in the bordering village of Ilam and Panchthar districts were found having clinical signs and mortality during the routine surveillance activity. Dead birds collected from the area were found positive for HPAI.

### Outbreak (other report - submitted)

**Zone**: KOSHI  
**District**: Sunsari  
**Village**: Khanar VDC-4  
**Unit Type**: Farm  
**Location**: Pathivara poultry farm, Khanar-4  
**Species**: Birds  
**Measuring units**: Animals  
**Susceptible**: 5000  
**Cases**: 2615  
**Deaths**: 2615  
**Destroyed**: 2385  
**Slaughtered**: 0  
**Affected Population**: A commercial layer farm at the initial stage of laying.

### Outbreak (other report - submitted)

**Zone**: KOSHI  
**District**: Sunsari  
**Village**: Bajrakha  
**Unit Type**: Farm  
**Location**: Itahari Municipality-6  
**Species**: Birds  
**Measuring units**: Animals  
**Susceptible**: 9500  
**Cases**: 4647  
**Deaths**: 4647  
**Destroyed**: 4853  
**Slaughtered**: 0  
**Affected Population**: A commercial layer and dual purpose breed farm.

### Outbreak (other report - submitted)

**Zone**: MECHI  
**District**: Jhapa  
**Village**: Arjundhara  
**Unit Type**: Village  
**Location**: Arjundhara VDC 7  
**Species**: Birds  
**Measuring units**: Animals  
**Susceptible**: 264  
**Cases**: 122  
**Deaths**: 122  
**Destroyed**: 142  
**Slaughtered**: 0  
**Affected Population**: Backyard bird population in a small clustered village.

### Outbreak (other report - submitted)

**Zone**: MECHI  
**District**: Jhapa  
**Village**: Charpane  
**Unit Type**: Farm  
**Location**: Charpane VDC 3  
**Species**: Birds  
**Measuring units**: Animals  
**Susceptible**: 1800  
**Cases**: 964  
**Deaths**: 964  
**Destroyed**: 896  
**Slaughtered**: 0  
**Affected Population**: A commercial 56-week-old layer farm.

### Outbreak (other report - submitted)

**Zone**: MECHI  
**District**: Jhapa  
**Village**: Pathamari  
**Unit Type**: Village  
**Location**: Pathamari VDC 1  
**Species**: Birds  
**Measuring units**: Animals  
**Susceptible**: 650  
**Cases**: 361  
**Deaths**: 361  
**Destroyed**: 289  
**Slaughtered**: 0
### Affected Population
Backyard bird population raised in a clustered village

### Outbreak (this report - submitted)

<table>
<thead>
<tr>
<th>Zone</th>
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<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>MECHI</td>
<td>Jhapa</td>
<td>Tagandubba Village</td>
<td>Tagandubba VDC 7</td>
<td>26.496</td>
<td>87.893</td>
<td>16/02/2012</td>
<td>05/03/2012</td>
<td></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>136</td>
<td>93</td>
<td>93</td>
<td>43</td>
<td>0</td>
</tr>
</tbody>
</table>

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<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>180</td>
<td>125</td>
<td>125</td>
<td>55</td>
<td>0</td>
</tr>
</tbody>
</table>

### Outbreak (this report - submitted)

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<th>Village</th>
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<th>Longitude</th>
<th>Start date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>KOSHI</td>
<td>Sunsari</td>
<td>Narsinghatappu Village</td>
<td>Narsinghatappu VDC 1 and 3</td>
<td>26.585</td>
<td>87.105</td>
<td>26/02/2012</td>
<td>05/03/2012</td>
<td></td>
</tr>
</tbody>
</table>

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<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>152</td>
<td>108</td>
<td>108</td>
<td>44</td>
<td>0</td>
</tr>
</tbody>
</table>

### Outbreak summary: Total outbreaks = 11 (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>18819</td>
<td>9623</td>
<td>9623</td>
<td>9196</td>
<td>0</td>
</tr>
<tr>
<td>Wild species</td>
<td>4</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### Epidemiology

**Epidemiological comments**
Stamping out followed by cleaning, disinfection, disposal and sealing of the infected premises have already been completed. Post-operative surveillance activities are being intensively carried out throughout the country.

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

### Control Measures

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

**Vaccination Prohibited**
Yes

**Applied**
- Stamping out
- Quarantine
- Movement control inside the country
- Screening
Country / Zone

Country or zone: the whole country

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 (CVL)</td>
<td>Birds</td>
<td>polymerase chain reaction (PCR)</td>
<td>28/02/2012</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>Central Veterinary Laboratory (CVL)</td>
<td>Birds</td>
<td>polymerase chain reaction (PCR)</td>
<td>21/02/2012</td>
<td>Positive</td>
</tr>
</tbody>
</table>

Future Reporting

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

There are 2 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.