### 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>
</tbody>
</table>

#### Clinical Signs

- Yes
- Reason: Reoccurrence of a listed disease

#### Date of first confirmation of the event
- 08/01/2012

#### Date of report
- 20/04/2012

#### Diagnosis
- Clinical, Laboratory (advanced)

#### Date Of Last Occurrence
- 25/03/2010

#### Address
- PO Box # 113 THIMPHU
- Position: Director

#### Email
- t-dhendup@moa.gov.bt
- Entered by: Mr Tenzin Dhendup

### Outbreak (other report - submitted)

<table>
<thead>
<tr>
<th>Province</th>
<th>District</th>
<th>Sub-district</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CHHUKHA</td>
<td>Chukha</td>
<td>Bjabcho</td>
<td>Village</td>
<td>Mebesa</td>
<td>26.978</td>
<td>89.3397</td>
<td>30/12/2011</td>
<td></td>
</tr>
</tbody>
</table>

#### Species
- Measuring units: Birds, Animals

#### Susceptible
- Animals: 2010
- Birds: 136

#### Cases
- Animals: 103
- Birds: 22

#### Deaths
- Animals: 103
- Birds: 8

#### Destroyed
- Animals: 1907
- Birds: 128

### Affected Population

The new cases have occurred in backyard poultry in Mebesa village located above the district road off the national highway in Chhukha district.

### Outbreak (other report - submitted)

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</thead>
<tbody>
<tr>
<td>CHHUKHA</td>
<td>Chukha</td>
<td>Village</td>
<td>Dala</td>
<td>26.8962</td>
<td>89.4697</td>
<td>30/12/2011</td>
<td></td>
</tr>
</tbody>
</table>

#### Species
- Measuring units: Birds, Animals

#### Susceptible
- Birds: 136
- Animals: 22

#### Cases
- Birds: 8
- Animals: 103

#### Deaths
- Birds: 8
- Animals: 103

#### Destroyed
- Birds: 128
- Animals: 1907

### Affected Population

A backyard poultry farm adjacent to the national highway

### Outbreak (other report - submitted)

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<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHHUKHA</td>
<td>Chukha</td>
<td>Village</td>
<td>Kamji</td>
<td>26.9388</td>
<td>89.4933</td>
<td>30/12/2011</td>
<td></td>
</tr>
</tbody>
</table>

#### Species
- Measuring units: Birds, Animals

#### Susceptible
- Birds: 96
- Animals: 13

#### Cases
- Birds: 8
- Animals: 86

#### Deaths
- Birds: 8
- Animals: 86

#### Destroyed
- Birds: 0
- Animals: 0
### Affected Population
A backyard poultry farm adjacent to the national highway.

### Outbreak (other report - submitted) (BHT_HPAI_2012_01)

<table>
<thead>
<tr>
<th>Province</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CHHUKHA</td>
<td>Chukha</td>
<td>Bjabcho</td>
<td>Village</td>
<td>Tsimasham</td>
<td>27,1024</td>
<td>89,5617</td>
<td>30/12/2011</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

- Birds: Animals

- **Susceptible Birds**: 2010
- **Cases**: 87
- **Deaths**: 87
- **Destroyed**: 1923
- **Slaughtered**: 0

### Outbreak (other report - submitted)

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<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHHUKHA</td>
<td>Chukha</td>
<td>Farm</td>
<td>Bunagu</td>
<td>26,9679</td>
<td>89,5852</td>
<td>08/01/2012</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

- Birds: Animals

- **Susceptible Birds**: 123
- **Cases**: 37
- **Deaths**: 35
- **Destroyed**: 88
- **Slaughtered**: 0

### Outbreak (other report - submitted)

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</tr>
</thead>
<tbody>
<tr>
<td>CHHUKHA</td>
<td>Chukha</td>
<td>Village</td>
<td>Maybari</td>
<td>27,1629</td>
<td>89,5549</td>
<td>08/01/2012</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

- Birds: Animals

- **Susceptible Birds**: 290
- **Cases**: 3
- **Deaths**: 3
- **Destroyed**: 287
- **Slaughtered**: 0

### Outbreak (other report - submitted)

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</tr>
</thead>
<tbody>
<tr>
<td>Thimphu</td>
<td>Thimphu</td>
<td>Chang</td>
<td>Village</td>
<td>Chang Gedaphu</td>
<td>27,6482</td>
<td>89,5179</td>
<td>13/01/2012</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

- Birds: Animals

- **Susceptible Birds**: 270
- **Cases**: 36
- **Deaths**: 36
- **Destroyed**: 232
- **Slaughtered**: 0

### Outbreak (other report - submitted)

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<th>Start date</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CHHUKHA</td>
<td>Chukha</td>
<td>Phuntsholing</td>
<td>Village</td>
<td>WangdiGashel</td>
<td>28,8794</td>
<td>89,4003</td>
<td>10/02/2012</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

- Birds: Animals

- **Susceptible Birds**: 652
- **Cases**: 12
- **Deaths**: 12
- **Destroyed**: 632
- **Slaughtered**: 0

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Page 2/5
### Outbreak (other report - submitted)

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</tr>
</thead>
<tbody>
<tr>
<td>CHHUKHA</td>
<td>Chukha</td>
<td>Bongo</td>
<td>Farm</td>
<td>Gedu</td>
<td>26.9074</td>
<td>89.5572</td>
<td>17/02/2012</td>
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</tbody>
</table>

**Species**

<table>
<thead>
<tr>
<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 Animals</td>
<td>231</td>
<td>10</td>
<td>5</td>
<td>226</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population**

A backyard poultry farm adjacent to the national highway

### Outbreak (other report - submitted)

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</thead>
<tbody>
<tr>
<td>CHHUKHA</td>
<td>Chhukha</td>
<td>Sampheling</td>
<td>Village</td>
<td>Burkey</td>
<td>26.8458</td>
<td>89.4765</td>
<td>02/03/2012</td>
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</tbody>
</table>

**Species**

<table>
<thead>
<tr>
<th>Measuring units</th>
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<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds Animals</td>
<td>1050</td>
<td>1</td>
<td>1</td>
<td>131</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population**

Backyard scavenging poultry

### Outbreak (this report - submitted)

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<th>Start date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mongar</td>
<td>Mongar</td>
<td>Gongdue</td>
<td>Village</td>
<td>Yangbari</td>
<td>27.0195</td>
<td>91.1879</td>
<td>27/03/2012</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

<table>
<thead>
<tr>
<th>Measuring units</th>
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<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds Animals</td>
<td>265</td>
<td>70</td>
<td>70</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population**

Backyard free-ranging chicken in two villages, Yangbari and Patong

### 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>7133</td>
<td>396</td>
<td>370</td>
<td>5642</td>
<td>0</td>
</tr>
</tbody>
</table>

### Epidemiology

**Epidemiological comments**

One carcass tested positive to real-time PCR on 5 April. However, subsequently 16 samples from the affected and nearby villages tested negative to H5N1. Clinical and laboratory surveillance within 3 km radius showed no new cases. Therefore, at this stage, this could be a suspected H5N1 outbreak.

**Source of the outbreak(s) or origin of infection**

- Unknown or inconclusive

### Control Measures

**Applied**

- Quarantine
- Movement control inside the country
- Screening
- Disinfection of infected premises/establishment(s)
- Dipping / Spraying

**To be applied**

- Vaccination Prohibited
- No Planned Control Measures

**Animals treated**

No
Country / Zone

Country or zone  a zone or compartment

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>National Centre for Animal Health</td>
<td>Birds</td>
<td>real-time PCR</td>
<td>05/04/2012</td>
<td>Positive</td>
</tr>
</tbody>
</table>

Future Reporting

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

There are 11 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.