Immediate notification report

Report Summary

Disease: Highly pathogenic avian influenza
Animal type: Terrestrial
Causal Agent: Highly pathogenic avian influenza virus
Serotype(s): H5N1
Clinical Signs: Yes
Reason: Reoccurrence of a listed disease
Date of first confirmation of the event: 15/09/2011
Date of report: 13/10/2011
Diagnosis: Clinical, Laboratory (basic), Laboratory (advanced)
Number Of Reported Outbreaks: Submitted= 2, Draft= 0
Name of Sender of the report: Dr Seyed Mohsen Dastoor
Address: Vali - Asr Ave
Seyd Jamaledin Asad Abadi Street
P.O. Box 14155
6349 Tehran

Outbreak (this report - submitted)

Province: MAZANDARAN
District: JQOYBAR
Unit Type: Village
Location: SALAZARRIN KOLA
Latitude: 36.7327
Longitude: 52.9355
Start date: 13/09/2011

Species: Birds
Measuring units: Animals
Susceptible: 2285
Cases: 450
Deaths: 310
Destroyed: 1975
Slaughtered: 0

Affected Population: Free-range ducks (backyard)

Outbreak (this report - submitted)

Province: MAZANDARAN
District: SAVADKOOH
Sub-district: ZIRAB
Unit Type: Village
Location: KHAR KOLA
Latitude: 36.16934
Longitude: 52.961655
Start date: 13/09/2011

Species: Birds
Measuring units: Animals
Susceptible: 397
Cases: 85
Deaths: 35
Destroyed: 362
Slaughtered: 0

Affected Population: Free-range ducks (backyard)
Outbreak summary: Total outbreaks = 2 (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>2682</td>
<td>535</td>
<td>345</td>
<td>2337</td>
<td>0</td>
</tr>
</tbody>
</table>

Epidemiology

Epidemiological comments

The event was reported according to the Iranian passive surveillance in place; a post-outbreak investigation to trace the source of infection is ongoing to detect the probable spread and circulation of H5 serotype. Active surveillance is ongoing.

Source of the outbreak(s) or origin of infection

• Under investigation

Control Measures

Applied

• Control of wildlife reservoirs
• 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

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>OIE's Reference Laboratory</td>
<td>Reference Laboratory for Avian Influenza, Padova (Italy)</td>
<td>Birds</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>10/10/2011</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>Central Veterinary Laboratory of Iran Veterinary Organization</td>
<td>Birds</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>15/09/2011</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.