Report Summary

Name of sender of the report: Dr Mehdi Khalaj
Position: Head of IVO
Address: P.O. Box : 14155 6349, Tehran Tehran 1431683765
Telephone: +9821 8898 7391
Fax: +9821 88962392
Email: ivohead@ivo.ir
Date submitted to OIE: 21/11/2016

Animal type: Terrestrial
Disease: Highly pathogenic avian influenza
Causal Agent: Highly pathogenic avian influenza virus
Serotype(s): H5N8
Disease: Clinical, Laboratory (basic), Laboratory (advanced), Necropsy
Reason: New strain of a listed disease in the country
Country or zone: the whole country
Number of reported outbreaks: submitted= 2, Draft= 0

Outbreak details

<table>
<thead>
<tr>
<th>Province</th>
<th>Number of outbreaks</th>
<th>District</th>
<th>Sub-district</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>TEHRAN- (this report - submitted)</td>
<td>2</td>
<td>Malard</td>
<td>Amirabad Tavanbakhsi</td>
<td>Farm</td>
<td>Tohid Farm</td>
<td>35.6616</td>
<td>50.79638</td>
<td>14/11/2016</td>
<td>19/11/2016</td>
</tr>
</tbody>
</table>

Species: Birds
Measuring units: Animals
Susceptible: 50621
Cases: 13355
Deaths: 4455
Destroyed: 46166
Slaughtered: 0

<table>
<thead>
<tr>
<th>Province</th>
<th>Number of outbreaks</th>
<th>District</th>
<th>Sub-district</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>TEHRAN- (this report - submitted)</td>
<td>2</td>
<td>Malard</td>
<td>Akhtarabad</td>
<td>Farm</td>
<td>Fatemi2 Farm</td>
<td>35.60756</td>
<td>50.6954</td>
<td>14/11/2016</td>
<td>19/11/2016</td>
</tr>
</tbody>
</table>

Species: Birds
Measuring units: Animals
Susceptible: 232840
Cases: 47510
Deaths: 1128
Destroyed: 231712
Slaughtered: 0

Outbreak summary: Total outbreaks = 2 (Submitted)

Species: Birds
Measuring units: Animals
Susceptible: 283461
Cases: 60865
Deaths: 5583
Destroyed: 277878
Slaughtered: 0

Epidemiology

Epidemiological comments:
1. The event was reported according to the Iran Passive surveillance in place
2. A post outbreak investigation to trace the source of infection is ongoing to detect the probable spread and circulation of this subtype.  
3. Active surveillance is ongoing.

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

Measures applied

Applied
- control of wildlife reservoirs
- stamping out
- quarantining
- screening
- zoning
- disinfection / disinfestation
- official disposal of carcasses, by-products and waste
- surveillance within containment and/or protection zone

To be applied
- surveillance outside containment and/or protection zone
### Animals treated

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vaccination Prohibited</td>
<td></td>
</tr>
</tbody>
</table>

### 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>gene sequencing</td>
<td>21/11/2016</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>Central Veterinary Laboratory</td>
<td>Birds</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>19/11/2016</td>
<td>Positive</td>
</tr>
<tr>
<td>Local laboratory</td>
<td>Laboratory of Tehran Province</td>
<td>Birds</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>18/11/2016</td>
<td>Positive</td>
</tr>
</tbody>
</table>

### Future Reporting

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