**Follow-up report No.2**

**Report reference:** , Reference OIE : 29260, Report Date : 18/01/2019, Country : Iran

**Report Summary**

<table>
<thead>
<tr>
<th>Name of sender of the report</th>
<th>Dr Akbarshahi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Position</td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td>Iran Veterinary Organization(IVO) S.J. Asadabadi St , Valiasr Ave, Tehran- Iran P.O Box 14155-6349 Tehran</td>
</tr>
<tr>
<td>Telephone</td>
<td>+982188953400</td>
</tr>
<tr>
<td>Fax</td>
<td>+982188902712</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:a-akbarshahi@ivo.ir">a-akbarshahi@ivo.ir</a></td>
</tr>
<tr>
<td>Date submitted to OIE</td>
<td>19/01/2019</td>
</tr>
</tbody>
</table>

**Animal type** Terrestrial  
**Date of report** 18/01/2019

**Disease** Highly pathogenic avian influenza  
**Date of start of the event** 24/12/2018

**Causal Agent** Highly pathogenic avian influenza virus  
**Date of confirmation of the event** 24/12/2018

**Serotype(s)** H5N8  
**Date of last occurrence** 30/01/2017

**Reason** Recurrence of a listed disease  
**Diagnosis** Clinical, Laboratory (basic), Laboratory (advanced), Necropsy

**Country or zone** a zone or compartment  
**Clinical signs** Yes

**Number of reported outbreaks** submitted= 3, Draft= 0

**Outbreak summary: Total outbreaks = 3 (Submitted)**

**Species** Birds  
**Measuring units** Animals  
**Susceptible Cases** 1400  
**Deaths** 1000  
**Killed and disposed of** 400  
**Slaughtered** 1000

**Affected Population** Duck

<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>Mazandaran-other report - submitted</td>
<td>-</td>
<td>Village</td>
<td>Bala Langor</td>
<td>36.60364</td>
<td>52.74197</td>
<td>24/12/2018</td>
<td>25/12/2018</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Species** Birds  
**Measuring units** Animals  
**Susceptible Cases** 1400  
**Deaths** 1000  
**Killed and disposed of** 400  
**Slaughtered** 1000

**Affected Population** Duck

<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>Mazandaran-other report - submitted</td>
<td>-</td>
<td>Village</td>
<td>Bala Langor</td>
<td>36.60364</td>
<td>52.74197</td>
<td>24/12/2018</td>
<td>25/12/2018</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Species** Birds  
**Measuring units** Animals  
**Susceptible Cases** 1400  
**Deaths** 1000  
**Killed and disposed of** 400  
**Slaughtered** 1000

**Affected Population** Duck

<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>Qom- (this report - submitted)</td>
<td>-</td>
<td>Village</td>
<td>Ali Khedri</td>
<td>34.64565</td>
<td>50.82184</td>
<td>02/01/2019</td>
<td>03/01/2019</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Species** Birds  
**Measuring units** Animals  
**Susceptible Cases** 12138  
**Deaths** 12138  
**Killed and disposed of** 8000  
**Slaughtered** 4138

**Affected Population** Backyard poultry

## Epidemiology

### Epidemiological comments

Based on Iran's HPAI control strategy, four different steps of HPAI operational control program (1- report/ detect, 2- confirmation, 3- extinction, 4- closure) are ongoing. The main objective of our National Program is to close the HPAI outbreaks; through trace-back and trace-forward investigation, this new outbreak was reported and closed successfully.

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

- Unknown or inconclusive

### Measures applied

**Applied** To be applied
**Applied**
- surveillance outside containment and/or protection zone
- surveillance within containment and/or protection zone
- screening
- quarantine
- official disposal of carcasses, by-products and waste
- stamping out
- zoning
- disinfection

**Predicted:**
- no planned control measures

### Animals treated

<table>
<thead>
<tr>
<th>Vaccination Prohibited</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
<tr>
<td>Yes</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 of Iran Veterinary Organization</td>
<td>Birds</td>
<td>real-time PCR</td>
<td>04/01/2019</td>
<td>Positive</td>
</tr>
<tr>
<td>Local laboratory</td>
<td>Provincial Veterinary Laboratory of Tehran</td>
<td>Birds</td>
<td>real-time PCR</td>
<td>02/01/2019</td>
<td>Positive</td>
</tr>
</tbody>
</table>

**Future Reporting**

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