Follow-up report No.1

Report Summary
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Date submitted to OIE 09/02/2017

Animal type Terrestrial
Date of report 09/02/2017
Disease Highly pathogenic avian influenza
Date of start of the event 12/12/2016
Causal Agent Highly pathogenic avian influenza virus
Date of confirmation of the event 20/01/2017
Serotype(s) H5N8
Diagnosis Clinical, Laboratory (basic), Laboratory (advanced), Necropsy
Reason New strain of a listed disease in the country
Clinical signs Yes
Country or zone the whole country
Number of reported outbreaks submitted= 1, Draft= 0

Outbreak details
Governorate AL JAHRAH
Number of outbreaks - submitted
District Al Jahrah
Area Sulaibiyah
Unit Type Backyard
Location Sulaibiyah
Latitude 29.171
Longitude 47.4905
Start Date 12/12/2016
End Date 12/01/2017
Species Birds
Measuring units Animals
Susceptible 285
Cases 200
Deaths 144
Destroyed 141
Slaughtered 0
Affected Population Ducks, geese and pheasants

Outbreak summary: Total outbreaks = 1 (Submitted)
Species Birds
Susceptible 285
Cases 200
Deaths 144
Destroyed 141
Slaughtered 0

Epidemiology
Epidemiological comments
General and targeted surveillance were implemented for avian influenza as part of the early detection system for the past several years. A contingency plan was prepared in 2007 during the detection of avian influenza HSN1 in domestic birds. Field teams consisting of veterinarians and poultry diseases specialists were involved in the monitoring and surveillance program for notifiable avian influenza since 2007.

After confirmation of avian influenza H5 subtype in one backyard premises, a stamping out policy by humane killing of all contact and sick birds was adopted, and carcasses were deeply buried with the appropriate cleaning and disinfection procedures.

Surveillance activities were intensified by the said teams on commercial poultry farms, backyards and captive birds, within 10-kilometer radius of the affected premise and beyond.

After confirmation of avian influenza H5 subtype, about 879 samples of oropharyngeal, cloacal, blood and tissues from live and dead birds were collected depending on the health status of the farm. In addition, 205 samples from one-day-old chicks, hatching and table eggs were collected for testing as part of import and export procedures.

All the samples tested in the national veterinary laboratory were found to be negative for avian influenza virus H5 and H7 subtypes.

Bio security: the reviewed farms adopted Biosecurity management, and were suitably advised to implement strict measures on movement restriction, cleaning and disinfection, and wild birds control.

Ongoing surveillance will be continued in compliance with the OIE Terrestrial Animal Health Code relevant chapter requirements for avian influenza virus infection.

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

Measures applied
Applied To be applied
Applied

- movement control inside the country
- screening
- disinfection / disinfestation
- quarantine
- surveillance outside containment and/or protection zone
- stamping out
- official destruction of animal products
- official disposal of carcasses, by-products and waste
- surveillance within containment and/or protection zone
- control of wildlife reservoirs

To be applied

- no planned control measures

Animals treated

Vaccination Prohibited

No

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>
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<tbody>
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<td>OIE Reference Laboratory</td>
<td>Animal &amp; Plant Health Agency, United Kingdom</td>
<td>Birds</td>
<td>virus sequencing</td>
<td>20/01/2017</td>
<td>Positive</td>
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<tr>
<td>OIE Reference Laboratory</td>
<td>Animal &amp; Plant Health Agency, United Kingdom</td>
<td>Birds</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>16/01/2017</td>
<td>Positive</td>
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Future Reporting

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