Report Summary

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Report Summary

Animal type: Terrestrial
Date of report: 07/02/2017
Disease: Highly pathogenic avian influenza
Date of start of the event: 15/03/2016
Causal Agent: Highly pathogenic avian influenza virus
Date of confirmation of the event: 14/12/2016
Serotype(s): H5N6
Reason: New strain of a listed disease
Country or zone: Shan State
Number of reported outbreaks: submitted=1, Draft=0

Outbreak details

Province: Shan State (this report - submitted)
District: Kyaingtong
Township: Monglar
Unit Type: Livestock market
Location: Monglar
Latitude: 21.672895
Longitude: 100.018669
Start Date: 15/03/2016
End Date: 06/04/2016

Species: Birds
Measuring units: Animals
Susceptible: 300
Cases: 5
Deaths: 0
Destroyed: 0
Slaughtered: 300

Outbreak summary: Total outbreaks = 1 (Submitted)

Outbreak summary:

Species

<table>
<thead>
<tr>
<th>Species</th>
<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</td>
<td>Animals</td>
<td>300</td>
<td>5</td>
<td></td>
<td>0</td>
<td>300</td>
</tr>
</tbody>
</table>

Epidemiology

Epidemiological comments

Risk-based surveillance of H7N9 in targeted border Townships and live bird market in Yangon and Mandalay has been conducted since 2013 by cooperation between the Livestock Breeding and Veterinary Department and FAO.
Until now, the 5th round of the risk based surveillance of H7N9 has been conducted and 16545 chickens and ducks oropharyngeal swabs, 7765 environmental swabs and 705 duck sera were collected from poultry collecting points, poultry processing sites, formal city markets and live bird markets.
Those samples were tested in Mandalay and Yangon Diagnostic Laboratory and then confirmed and sequenced by the Australian Animal Health Laboratory, Geelong.
From this 5th round of active surveillance, clade 2.3.4.4 H5N6 HPAI virus, which shares 99% similarity with A/chicken/Hubei/XG18/2015(H5N6) and 98% similarity with A/duck/Guangdong/GD01/2014(H5N6), was detected in the samples collected from chicken and environmental swabs in Monglar, which has a common border with China.
H5N6 positive samples were taken from apparently healthy chickens imported from China, as well as from the environment. H5N6 positive samples were more concentrated geographically and temporally, and were found specifically in live bird markets, in ducks and chickens imported from China (unknown breeds).

Source of the outbreak(s) or origin of infection

• Introduction of new live animals

Measures applied

Applied

• movement control inside the country
• disinfection / disinestation
• dipping / spraying for control of vectors or parasites
• stamping out
• surveillance within containment and/or protection zone
• zoning

To be applied

• no planned control measures

Animals treated

No

Vaccination Prohibited

Yes

Diagnostic test results

Laboratory Type | Name of Laboratory | Species | Test Type | Date results provided | Result
---|---|---|---|---|---

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<table>
<thead>
<tr>
<th>Laboratory Type</th>
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<th>Species</th>
<th>Test Type</th>
<th>Date results provided</th>
<th>Result</th>
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</thead>
<tbody>
<tr>
<td>OIE Reference Laboratory</td>
<td>Australian Animal Health Laboratory, Geelong</td>
<td>Birds</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>14/12/2016</td>
<td>Positive</td>
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</table>

**Future Reporting**

The report and all its outbreaks have been resolved.
Outbreak maps