Follow-up report No.3

Report Summary

Name of sender of the report MVZ Guerrero Lourdes
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Date submitted to OIE 18/05/2019

Animal type Terrestrial
Date of report 17/05/2019
Disease Highly pathogenic avian influenza
Date of start of the event 06/03/2019
Causal Agent Highly pathogenic avian influenza virus
Date of confirmation of the event 10/03/2019
Serotype(s) H7N3
Date of last occurrence 18/04/2018
Reason Recurrence of a listed disease
Diagnosis Clinical, Laboratory (advanced)

Country or zone a zone or compartment
Clinical signs Yes

Number of reported outbreaks submitted= 11, Draft= 0

Outbreak details

Estado Mexico-other report - submitted
Number of outbreaks 2
Municipio
Localidad Backyard
Unit Type Acolman
Location Latitude 19.650621
Longitude -98.880518
Start Date 06/03/2019
End Date 22/03/2019

Species Measuring units Susceptible Cases Deaths Killed and disposed of Slaughtered
Birds Animals 150 150 150 0 0

Affected Population Backyard with 150 birds detected following high mortality and clinical signs suggesting highly pathogenic avian influenza (cyanosis, edema and swelling on red comb and wattles and sudden death).

Estado Queretaro-other report - submitted
Number of outbreaks 1
Municipio
Localidad Farm
Unit Type Colon
Location Latitude 20.676714
Longitude -99.987875
Start Date 08/04/2019
End Date 19/04/2019

Species Measuring units Susceptible Cases Deaths Killed and disposed of Slaughtered
Birds Animals 138632 5 0 0 138632

Affected Population The presence of highly pathogenic avian influenza was detected as part of active epidemiological surveillance in a poultry production unit in five birds that were subjected to organ sampling and did not show any clinical signs, as the rest of the flock.

Estado Jalisco-other report - submitted
Number of outbreaks 2
Municipio
Localidad Backyard
Unit Type Lagos de Moreno
Location Latitude 21.977511
Longitude -101.375152
Start Date 09/04/2019
End Date 14/04/2019

Species Measuring units Susceptible Cases Deaths Killed and disposed of Slaughtered
Birds Animals 612 612 120 492 0

Affected Population Reporting of a high mortality in a backyard with fighting cocks. Quarantine was imposed immediately and following, cleaning and disinfection of the premises are ongoing.

Estado Jalisco-other report - submitted
Number of outbreaks 1
Municipio
Localidad Backyard
Unit Type Lagos de Moreno
Location Latitude 21.377253
Longitude -101.929069
Start Date 09/04/2019
End Date 16/04/2019

Species Measuring unitsSusceptible Cases Deaths Killed and disposed of Slaughtered
Birds Animals 290 290 230 60 0

Affected Population Reporting of a high mortality in a backyard with birds. Quarantine was imposed and following, cleaning and disinfection of the premises were carried out immediately.
### Outbreaks Summary

**State** | Number of Outbreaks | Municipio | Localidad | Unit Type | Location | Latitude | Longitude | Start Date | End Date |
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
Hidalgo- (other report - submitted) | - | Backyard | Mineral del Chico | | 20.21594 | -98.76137 | 15/04/2019 | 23/04/2019 |
Queretaro- (this report - submitted) | - | Backyard | Colón | 20.066601 | -100.07374 | 24/04/2019 | 02/05/2019 |
Queretaro- (this report - submitted) | - | Backyard | Ezequiel Montes | 20.65652 | -99.96347 | 29/04/2019 | 07/05/2019 |
Guerrero- (this report - submitted) | - | Backyard | General Heliodoro Castillo | 17.928 | -99.9 | 30/04/2019 | 08/05/2019 |
Tlaxcala- (this report - submitted) | - | Backyard | Tlaxco | 19.5552778 | -98.0244444 | 30/04/2019 | 07/05/2019 |
Queretaro- (this report - submitted) | - | Farm | Pedro Escobedo | 20.5267 | -100.08585 | 07/05/2019 |

**Species**

- Birds
- Animals

**Susceptible** | Cases | Deaths | Killed and disposed of | Slaughtered
--- | --- | --- | --- | --- |
Hidalgo- (other report - submitted) | Animals | 619 | 178 | 172 | 447 | 0 |
Queretaro- (this report - submitted) | Birds | Animals | 619 | 178 | 172 | 447 | 0 |
Queretaro- (this report - submitted) | Birds | Animals | 50 | 42 | | | |
Queretaro- (this report - submitted) | Birds | Animals | 50 | 42 | | | |
Guerrero- (this report - submitted) | Birds | Animals | 34 | 24 | 19 | 15 | 0 |
Tlaxcala- (this report - submitted) | Birds | Animals | 10 | 5 | 5 | 5 | 0 |
Queretaro- (this report - submitted) | Birds | Animals | 2000 | 1400 | 1200 | 0 | 0 |

**Affected Population**

- A rural production unit with 598 birds, detected and reported to the competent authority by a self-employed veterinarian in order to carry out appropriate epidemiological monitoring.
- Backyard with 34 birds detected following high mortality and clinical signs suggesting highly pathogenic avian influenza (cyanosis, edema and swelling on red comb and wattles and sudden death).
- Backyard with 10 birds detected following high mortality and clinical signs suggesting highly pathogenic avian influenza (cyanosis, edema and swelling on red comb and wattles and sudden death).
- Commercial laying farm with 2,000 birds detected following high mortality and clinical signs suggesting highly pathogenic avian influenza (cyanosis, edema and swelling on red comb and wattles and sudden death).

Outbreak summary: Total outbreaks = 11 (Submitted)
As a result of actions implemented to reinforce epidemiological surveillance in the State of Querétaro, two outbreaks of highly pathogenic avian influenza were identified, both backyard premises without clinical signs. Two other outbreaks were reported in backyard premises in the States of Tlaxcala and Guerrero and one outbreak in a commercial laying farm in the State of Querétaro. Surveillance is maintained in the zone around the affected farms without any evidence so far of sick or dead birds. The States of Querétaro, Tlaxcala and Guerrero have a low prevalence and vaccination against avian influenza virus H7N3 is applied, prior authorization from SENASICA.

In the reported outbreaks of Mineral del Chico, Hidalgo; Colón, Querétaro (two outbreaks); Ezequiel Montes, Querétaro; Tlaxco, Tlaxcala and General Heliodoro Castillo, Guerrero, all the birds were killed and the carcasses, by-products and waste were officially disposed of, and the facilities were cleaned and disinfected. Likewise, IVPI results were obtained: 2.13, 2.53, 2.41, 2.43, 2.49 and 2.58, respectively.

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

- Unknown or inconclusive

### Epidemiological comments

As a result of actions implemented to reinforce epidemiological surveillance in the State of Querétaro, two outbreaks of highly pathogenic avian influenza were identified, both backyard premises without clinical signs. Two other outbreaks were reported in backyard premises in the States of Tlaxcala and Guerrero and one outbreak in a commercial laying farm in the State of Querétaro. Surveillance is maintained in the zone around the affected farms without any evidence so far of sick or dead birds. The States of Querétaro, Tlaxcala and Guerrero have a low prevalence and vaccination against avian influenza virus H7N3 is applied, prior authorization from SENASICA.

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

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### Measures applied

<table>
<thead>
<tr>
<th>Applied</th>
<th>To be applied</th>
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<tbody>
<tr>
<td>• movement control inside the country</td>
<td>• official disposal of carcasses, by-products and waste</td>
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<tr>
<td>• surveillance outside containment and/or protection zone</td>
<td>• stamping out</td>
</tr>
<tr>
<td>• surveillance within containment and/or protection zone</td>
<td>• disinfection</td>
</tr>
<tr>
<td>• quarantine</td>
<td>• ante and post-mortem inspections</td>
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<td>• slaughter</td>
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### Animals treated

<table>
<thead>
<tr>
<th>No</th>
<th>Vaccination Prohibited</th>
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<tr>
<td>No</td>
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### Future Reporting

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

Follow-up report No.: 3, Report reference: , OIE Ref: 30510, Report Date: 17/05/2019, Country: Mexico