# Report Summary

**Name of sender of the report:** MVZ Guerrero Lourdes  
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**Position:** Subdirectora de Evaluación Zoosanitaria de Mercancias  
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**Fax:**  
**Email:** lourdes.guerrero@senasica.gob.mx

**Date submitted to OIE:** 27/07/2019

## Animal type
- **Type:** Terrestrial

## Disease
- **Type:** Highly pathogenic avian influenza

## Causal Agent
- **Type:** Highly pathogenic avian influenza virus

## Serotype(s)
- H7N3

## Reason
- Recurrence of a listed disease

## Country or zone
- a zone or compartment

## Clinical signs
- Yes

## Number of reported outbreaks
- submitted= 22, Draft= 0

## Outbreak details

<table>
<thead>
<tr>
<th>Estado</th>
<th>Number of outbreaks</th>
<th>Municipio</th>
<th>Localidad</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>Estado</td>
<td>Mexico-other report submitted</td>
<td>-</td>
<td>-</td>
<td>Backyard</td>
<td>Acolman</td>
<td>19.650621</td>
<td>-98.880518</td>
<td>06/03/2019</td>
<td>22/03/2019</td>
</tr>
</tbody>
</table>

**Species**
- Measuring units
- Susceptible: 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).

<table>
<thead>
<tr>
<th>Estado</th>
<th>Number of outbreaks</th>
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<th>Longitude</th>
<th>Start Date</th>
<th>End Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estado</td>
<td>Queretaro-other report submitted</td>
<td>-</td>
<td>-</td>
<td>Farm</td>
<td>Colón</td>
<td>20.676714</td>
<td>-99.987875</td>
<td>08/04/2019</td>
<td>19/04/2019</td>
</tr>
</tbody>
</table>

**Species**
- Measuring units
- Susceptible: 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.

<table>
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<tr>
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<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date:</th>
</tr>
</thead>
</table>

**Species**
- Measuring units
- Susceptible: Birds Animals 1625 1625 400 1225 0

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

<table>
<thead>
<tr>
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<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date:</th>
</tr>
</thead>
</table>

**Species**
- Measuring units
- Susceptible: Birds Animals 612 612 120 492 0

**Affected Population**
- Reporting of a high mortality in a backyard with birds. Quarantine was imposed and fallowing, cleaning and disinfection of the premises were carried out immediately.

<table>
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<tr>
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<th>Municipio</th>
<th>Localidad</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>Estado</td>
<td>Mexico-other report submitted</td>
<td>-</td>
<td>-</td>
<td>Backyard</td>
<td>Chapa de Mota</td>
<td>19.878863</td>
<td>-99.554658</td>
<td>09/04/2019</td>
<td>16/04/2019</td>
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</tbody>
</table>

**Species**
- Measuring units
- Susceptible: Birds Animals 290 290 230 60 0

**Affected Population**
- Reporting of a high mortality in a backyard with birds.
| Estado          | Number of outbreaks | Municipio            | Localidad            | Unit Type | Location          | Latitude  | Longitude  | Start Date | End Date   | Nº Birds | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered |
|-----------------|---------------------|----------------------|----------------------|-----------|-------------------|-----------|------------|------------|------------|----------|-------------|-------|--------|------------------------|-------------|-----------------|-------------|------------------------|-------------|------------------|-------------|------------------------|-------------|
| Hidalgo         | Other report        | -                    | -                    | Backyard  | Mineral del Chico  | 20.21594  | -98.76137 | 15/04/2019 | 23/04/2019 | 600      | 178         | 172   | 447     | 0                      |              |
| Queretaro       | Other report        | -                    | -                    | Backyard  | Colon             | 20.066601 | -100.07174 | 24/04/2019 | 02/05/2019 | 1        | 1           | 0     | 1       | 0                      |              |
| Queretaro       | Other report        | -                    | -                    | Backyard  | Ezequiel Montes   | 20.655652 | -99.96347 | 29/04/2019 | 07/05/2019 | 62       | 50          | 42    | 20      | 0                      |              |
| Guerrero        | Other report        | -                    | -                    | Backyard  | General Heliodoro Castillo | 17.928 | -99.9 | 30/04/2019 | 08/05/2019 | 34       | 24          | 19    | 15      | 0                      |              |
| Tlaxcala        | Other report        | -                    | -                    | Backyard  | Tlaxco            | 19.5552778 | -98.024444 | 30/04/2019 | 07/05/2019 | 10       | 5           | 5     | 5       | 0                      |              |
| Queretaro       | Other report        | -                    | -                    | Farm      | Pedro Escobedo     | 20.5267   | -100.08585 | 07/05/2019 | 12/06/2019 | 2000     | 1400        | 1200  | 800     | 0                      |              |
| Queretaro       | Other report        | -                    | -                    | Backyard  | General Heliodoro Castillo | 17.924 | -99.898 | 08/05/2019 | 14/06/2019 | 2000     | 1400        | 1200  | 800     | 0                      |              |

Affected Population: Reporting of a high mortality in a backyard with birds. At the time of the visit, there were only 60 sick animals left, the remaining animals had then already died. Quarantine was imposed and fallowing, cleaning and disinfection of the premises were carried out immediately.

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.

Affected Population: As a result of the epidemiological surveillance, samples were taken in a backyard with one bird with no clinical signs; the virus was isolated.

Affected Population: As a result of the epidemiological surveillance, the disease was detected in a backyard with 62 birds. High mortality was observed in the premises; samples were therefore taken for virus isolation.

Affected Population: 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).

Affected Population: 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).

Affected Population: 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).
### Queretaro-
- Number of outbreaks: 1
- Municipio: Other report - submitted
- Localidad: Backyard
- Unit Type: Cadereyta de Montes
- Location: 20.68267, -99.81036
- Start Date: 14/05/2019
- End Date: 01/06/2019

### Hidalgo-
- Number of outbreaks: 1
- Municipio: Other report - submitted
- Localidad: Farm
- Unit Type: Tizayuca
- Location: 19.8281, -98.9606
- Start Date: 14/05/2019
- End Date: 30/05/2019

### Queretaro-
- Number of outbreaks: 1
- Municipio: Other report - submitted
- Localidad: Farm
- Unit Type: San Juan del Río
- Location: 20.4257778, -100.06
- Start Date: 20/05/2019
- End Date: 31/05/2019

### Jalisco-
- Number of outbreaks: 1
- Municipio: Other report - submitted
- Localidad: Backyard
- Unit Type: Tlajomulco de Zuñiga
- Location: 20.450833, -103.250555
- Start Date: 11/06/2019
- End Date: 13/06/2019

### Guanajuato-
- Number of outbreaks: 1
- Municipio: Other report - submitted
- Localidad: Backyard
- Unit Type: Santa Cruz de Juventino Rosas
- Location: 20.65897, -101.0526
- Start Date: 20/06/2019
- End Date: 22/06/2019

### Veracruz-
- Number of outbreaks: 1
- Municipio: Other report - submitted
- Localidad: Backyard
- Unit Type: Coatzacoalcos
- Location: 19.6608056, -98.926416
- Start Date: 29/06/2019
- End Date: 02/07/2019

As a result of sampling around the outbreaks, the disease was detected in a backyard with 54 birds. High mortality was observed in the premises; samples were therefore taken for virus isolation.

As a result of the epidemiological surveillance, tracheal swabs were taken in five birds in a backyard with 25 birds; no clinical signs observed.

Commercial laying farm with 1,300 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 farm with 1,000 birds detected following notification of high mortality and clinical signs suggesting highly pathogenic avian influenza (cyanosis, edema and swelling on red comb and wattles and sudden death).

Backyard farm with 210 birds detected following notification of high mortality and clinical signs suggesting highly pathogenic avian influenza (cyanosis, edema and swelling on red comb and wattles and sudden death).

Backyard farm with 50 birds detected following notification of high mortality and clinical signs suggesting highly pathogenic avian influenza (cyanosis, edema and swelling on red comb and wattles and sudden death).
Estado | Number of outbreaks | Municipio | Localidad | Unit Type | Location | Latitude | Longitude | Start Date | End Date:
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
Querétaro- (this report - submitted):
Species | Measuring units | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered
Birds | Animals | 25 | 13 | 3 | 22 | 0
Affected Population | Backyard with 25 birds detected following a reported high mortality and clinical signs suggesting highly pathogenic avian influenza (cyanosis, edema and swelling on red comb and wattles and sudden death).

Estado | Number of outbreaks | Municipio | Localidad | Unit Type | Location | Latitude | Longitude | Start Date | End Date:
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
Querétaro- (this report - submitted):
Species | Measuring units | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered
Birds | Animals | 174163 | 10 | 0 | 0 | 0
Affected Population | As part of the epidemiological surveillance, samples of tracheal swabs were collected from animals not showing clinical signs in a fattening farm; the virus was isolated.

Estado | Number of outbreaks | Municipio | Localidad | Unit Type | Location | Latitude | Longitude | Start Date | End Date:
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
Guanajuato- (this report - submitted):
Species | Measuring units | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered
Birds | Animals | 20 | 5 | 4 | 16 | 0
Affected Population | Backyard with 20 birds detected following a reported high mortality and clinical signs suggesting highly pathogenic avian influenza (cyanosis, edema and swelling on red comb and wattles and sudden death).

Estado | Number of outbreaks | Municipio | Localidad | Unit Type | Location | Latitude | Longitude | Start Date | End Date:
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
Querétaro- (this report - submitted):
Species | Measuring units | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered
Birds | Animals | 21644 | 10000 | 4275 | 17369 | 0
Affected Population | Light-breeder farm with 21,644 birds, detected following a reported high mortality in birds, with clinical signs pathognomonic of highly pathogenic avian influenza (cyanosis, edema and swelling of red comb and wattles and sudden death).

Outbreak summary: Total outbreaks = 22 (Submitted)
Species | Measuring units | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered
Birds | Animals | 476092 | 16632 | 8815 | 154482 | 138632

Epidemiology
Epidemiological comments
As a result of epidemiological surveillance, an outbreak was identified in a fattening farm in the municipality of Colón, State of Querétaro, in which the birds did not show clinical signs. In addition, two outbreaks in backyard premises, located in the states of Veracruz and Guanajuato, and another outbreak in a production of light breeders with clinical signs suggestive of highly pathogenic avian influenza (cyanosis, edema and swelling on the red comb and wattles and sudden death) were reported.

In all four outbreaks, virus isolation was achieved and quarantine was implemented. The culling of all birds, and the disposal of carcasses, products and waste were completed in three of the outbreaks reported, while they are still underway for the outbreak in the municipality of Colón, Querétaro. IPV titres were obtained for outbreaks in Santa Cruz de Juventino Rosas, Guanajuato (2.41); Coacuatzintla, Veracruz (2.25) and Colón, Querétaro (2.29). The States of Querétaro, Veracruz and Guanajuato have a sanitary condition with low prevalence and the vaccine against the H7N3 avian influenza virus is applied, following prior authorization from SENASICA.

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

Measures applied
Applied
• movement control inside the country
• surveillance outside containment and/or protection zone
• surveillance within containment and/or protection zone
• quarantine
• official disposal of carcasses, by-products and waste

Animals treated
Vaccination Prohibited

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