### Report Summary

**Name of sender of the report:** MVZ Guerrero Lourdes  
**Position:** Dirección de Epidemiología y Análisis de Riesgo  
**Address:** Boulevard Adolfo Ruiz Cortines No. 5010, Col. Insurgentes Cuicuilco, Del. Coyoacán México, D.F. 04530  
**Telephone:** +52 55 59051000  
**Fax:**  
**Email:** lourdes.guerrero@senasica.gob.mx

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**Report reference:**  
**Reference OIE:** 23014  
**Report Date:** 04/03/2017  
**Country:** Mexico

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**Report Summary**

**Date submitted to OIE:** 04/03/2017

**Animal type:** Terrestrial

**Disease:** Highly pathogenic avian influenza

**Causal Agent:** Highly pathogenic avian influenza virus

**Serotype(s):** H7N3

**Reason:** Reoccurrence of a listed disease

**Reason for notification:** Diagnosis: Clinical, Laboratory (basic)

**Country or zone:** a zone or compartment

**Clinical signs:** Yes

**Number of reported outbreaks:** submitted= 32, Draft= 0

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### 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>
<th>Species</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
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<td>A commercial 24-week-old layer farm detected during active surveillance and without clinical signs. The IVPI obtained from the samples was 2.85.</td>
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<td>Latitude</td>
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</tbody>
</table>

**Species**

- Measuring units: Birds
- Susceptible: 417232
- Cases: 10000
- Deaths: 0
- Destroyed: 0
- Slaughtered: 417232

**Affected Population** A commercial 18-week-old layer farm detected during active surveillance and without clinical signs. The IVPI obtained from the samples was 2.76.

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<table>
<thead>
<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>
</table>

**Species**

- Measuring units: Birds
- Animals: 13350
- Susceptible: 407232
- Cases: 15
- Deaths: 0
- Destroyed: 407232
- Slaughtered: 0

**Affected Population** A commercial 28-week-old layer farm detected during active surveillance and without clinical signs. The IVPI obtained from the samples was 2.76.

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<th>Localidad</th>
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<th>Longitude</th>
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<th>End Date</th>
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</thead>
</table>

**Species**

- Measuring units: Birds
- Animals: 13350
- Susceptible: 399700
- Cases: 15
- Deaths: 0
- Destroyed: 399700
- Slaughtered: 0

**Affected Population** A commercial 37-week-old layer farm detected during active surveillance and without clinical signs. The IVPI obtained from the samples was 2.84.

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<table>
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<th>Longitude</th>
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**Species**

- Measuring units: Birds
- Animals: 13350
- Susceptible: 405346
- Cases: 15
- Deaths: 0
- Destroyed: 405346
- Slaughtered: 0

**Affected Population** A commercial 41-week-old layer farm detected during active surveillance and without clinical signs. The IVPI obtained from the samples was 2.84.

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<th>Localidad</th>
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</table>

**Species**

- Measuring units: Birds
- Animals: 1000
- Susceptible: 42117
- Cases: 1000
- Deaths: 1000
- Destroyed: 42117
- Slaughtered: 0

**Affected Population** A commercial layer farm detected during active surveillance and without clinical signs. The IVPI obtained from the samples was 2.87.

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<th>Number of outbreaks</th>
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<th>Latitude</th>
<th>Longitude</th>
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<th>End Date</th>
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**Species**

- Measuring units: Birds
- Animals: 1000
- Susceptible: 42117
- Cases: 1000
- Deaths: 1000
- Destroyed: 42117
- Slaughtered: 0

**Affected Population** A broiler farm identified following the farmer’s notification. The IVPI obtained from the samples was 2.92.
### Estado: PUEBLA
- **Municipio:** Tehuacán
- **Localidad:** Farm
- **Start Date:** 23/02/2016
- **End Date:** 15/07/2016
- **Species:** Birds
- **Measuring units:** Animals
- **Susceptible Cases:** 209900
- **Deaths:** 0
- **Destroyed:** 209900
- **Slaughtered:** 0
- **Affected Population:** A commercial layer farm with birds of different ages. The IVPI obtained from the samples was 2.79.

### Estado: JALISCO
- **Municipio:** Jocotepec
- **Localidad:** Farm
- **Start Date:** 24/02/2016
- **End Date:** 26/03/2016
- **Species:** Birds
- **Measuring units:** Animals
- **Susceptible Cases:** 109646
- **Deaths:** 7103
- **Destroyed:** 102543
- **Slaughtered:** 0
- **Affected Population:** A commercial layer farm detected during active surveillance and without clinical signs. The IVPI obtained from the samples was 3.

### Estado: PUEBLA
- **Municipio:** San Martin Temexlucan
- **Localidad:** Backyard
- **Start Date:** 25/02/2016
- **End Date:** 02/03/2016
- **Species:** Birds
- **Measuring units:** Animals
- **Susceptible Cases:** 313
- **Deaths:** 0
- **Destroyed:** 313
- **Slaughtered:** 0
- **Affected Population:** A backyard. The IVPI obtained from the samples was 3.

### Estado: JALISCO
- **Municipio:** Acatic
- **Localidad:** Farm
- **Start Date:** 03/03/2016
- **End Date:** 13/01/2017
- **Species:** Birds
- **Measuring units:** Animals
- **Susceptible Cases:** 210516
- **Deaths:** 0
- **Destroyed:** 210506
- **Slaughtered:** 0
- **Affected Population:** A commercial layer farm detected during active surveillance and without clinical signs.

### Estado: PUEBLA
- **Municipio:** Tlahuapan
- **Localidad:** Farm
- **Start Date:** 07/03/2016
- **End Date:** 25/03/2016
- **Species:** Birds
- **Measuring units:** Animals
- **Susceptible Cases:** 818
- **Deaths:** 565
- **Destroyed:** 565
- **Slaughtered:** 0
- **Affected Population:** A commercial layer farm identified following the farmer’s notification. The IVPI obtained from the samples was 2.94.

### Estado: JALISCO
- **Municipio:** Zapopan
- **Localidad:** Farm
- **Start Date:** 08/03/2016
- **End Date:** 24/09/2016
- **Species:** Birds
- **Measuring units:** Animals
- **Susceptible Cases:** 400000
- **Deaths:** 30
- **Destroyed:** 400000
- **Slaughtered:** 0
- **Affected Population:** A commercial layer farm detected during active surveillance and without clinical signs.

### Estado: JALISCO
- **Municipio:** Zapopan
- **Localidad:** Farm
- **Start Date:** 08/03/2016
- **End Date:** 15/08/2016
- **Species:** Birds
- **Measuring units:** Animals
- **Susceptible Cases:** 380000
- **Deaths:** 0
- **Destroyed:** 380000
- **Slaughtered:** 0
- **Affected Population:** A commercial layer farm detected during active surveillance and without clinical signs.
<table>
<thead>
<tr>
<th>Estado</th>
<th>Number of outbreaks</th>
<th>Municipio</th>
<th>Localidad</th>
<th>Unit Type</th>
<th>Location</th>
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<th>Longitude</th>
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<tbody>
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**Species**
- Measuring units: Animals
- Susceptible Cases: 25
- Deaths: 25
- Destroyed: 0
- Slaughtered: 0

**Affected Population**
A notification was received from a farm with wild birds in captivity (Indian peafowl, *Pavo cristatus*). The IVPI obtained from the samples was 2.86.

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<th>Number of outbreaks</th>
<th>Municipio</th>
<th>Localidad</th>
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**Species**
- Measuring units: Animals
- Susceptible Cases: 23
- Deaths: 23
- Destroyed: 0
- Slaughtered: 0

**Affected Population**
A backyard detected during active surveillance and without clinical signs. The IVPI obtained from the samples was 2.86.

<table>
<thead>
<tr>
<th>Estado</th>
<th>Number of outbreaks</th>
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<th>Unit Type</th>
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**Species**
- Measuring units: Animals
- Susceptible Cases: 16000
- Deaths: 8000
- Destroyed: 3000
- Slaughtered: 13000

**Affected Population**
A heavy breeder farm with mortality. The IVPI obtained from the samples was 2.71.

<table>
<thead>
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<th>Number of outbreaks</th>
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**Species**
- Measuring units: Animals
- Susceptible Cases: 17200
- Deaths: 5000
- Destroyed: 1000
- Slaughtered: 16200

**Affected Population**
A heavy breeder farm with mortality. The IVPI obtained from the samples was 2.7.

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**Species**
- Measuring units: Animals
- Susceptible Cases: 28900
- Deaths: 8000
- Destroyed: 3000
- Slaughtered: 25900

**Affected Population**
A heavy breeder farm with mortality. The IVPI obtained from the samples was 2.64.

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<th>Unit Type</th>
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<th>Longitude</th>
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</table>

**Species**
- Measuring units: Animals
- Susceptible Cases: 10000
- Deaths: 500
- Destroyed: 200
- Slaughtered: 9800

**Affected Population**
This heavy breeder farm was identified following the farmer’s notification. The IVPI obtained from the samples was 2.78.
### Estado: Veracruz
- **Municipio:** Jalacingo
- **Localidad:** Backyard
- **Unit Type:** Jalacingo
- **Location:** 19.79812, -97.303159
- **Start Date:** 05/04/2016
- **End Date:** 08/04/2016

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<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
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**Affected Population:** A backyard detected during active surveillance and without clinical signs. The IVPI obtained from the samples was 2.96.

### Estado: Puebla
- **Municipio:** Tepanco de López
- **Localidad:** Farm
- **Unit Type:** Tepanco de López
- **Location:** 18.555901, -97.578922
- **Start Date:** 05/04/2016
- **End Date:** 05/04/2016

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**Affected Population:** A notification from a broiler farm was received. The IVPI obtained from the samples was 2.86.

### Estado: Oaxaca
- **Municipio:** Putla Villa de Guerrero
- **Localidad:** Farm
- **Unit Type:** Putla Villa de Guerrero
- **Location:** 17.03111, -97.928973
- **Start Date:** 09/04/2016
- **End Date:** 09/04/2016

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<th>Slaughtered</th>
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</thead>
<tbody>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>1300</td>
<td>1203</td>
<td>1203</td>
<td>97</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population:** A broiler chicken supplier reported mortality in poultry. The IVPI obtained from the samples was 2.97.

### Estado: Jalisco
- **Municipio:** Acatic
- **Localidad:** Farm
- **Unit Type:** Acatic
- **Location:** 20.783257, -102.911966
- **Start Date:** 12/04/2016
- **End Date:** 05/06/2016

<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>161000</td>
<td>1</td>
<td>0</td>
<td>161000</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population:** A layer farm detected during active surveillance and without clinical signs. The IVPI obtained from the samples was 2.92.

### Estado: Puebla
- **Municipio:** Tepanco de López
- **Localidad:** Backyard
- **Unit Type:** Tepanco de López
- **Location:** 18.555901, -97.578911
- **Start Date:** 20/04/2016
- **End Date:** 22/04/2016

<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>5</td>
<td>5</td>
<td>0</td>
<td>5</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population:** A backyard

### Estado: Jalisco
- **Municipio:** Sayula
- **Localidad:** Farm
- **Unit Type:** Sayula
- **Location:** 19.879192, -103.599221
- **Start Date:** 11/05/2016
- **End Date:** 01/06/2016

<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>151000</td>
<td>11000</td>
<td>11000</td>
<td>140000</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population:** This is a commercial layer farm, detected through active surveillance and without any clinical signs.

### Outbreak summary: Total outbreaks = 32 (Submitted)

<table>
<thead>
<tr>
<th>Species</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birds</td>
<td>4319068</td>
<td>82825</td>
<td>58024</td>
<td>3901034</td>
<td>0</td>
</tr>
<tr>
<td>Indian Peafowl</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### Epidemiology

**Epidemiological comments**
Epidemiological comments  
Source of the outbreak(s) or origin of infection  
• Unknown or inconclusive  
The last affected production unit located at Acatic, Jalisco, has been depopulated. Cleaning and disinfection of the facilities as well as official disposal of carcasses, by-products and waste were carried out. Since May 2016, no virus has been detected in the country. Therefore and since more than 21 days have passed without evidence of the causal agent, the event is considered closed. However, epidemiological surveillance will continue at national level.

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

<table>
<thead>
<tr>
<th>Measures applied</th>
<th>To be applied</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied</td>
<td></td>
</tr>
<tr>
<td>• movement control inside the country</td>
<td>• no planned control measures</td>
</tr>
<tr>
<td>• screening</td>
<td></td>
</tr>
<tr>
<td>• disinfection / disinfestation</td>
<td></td>
</tr>
<tr>
<td>• quarantine</td>
<td></td>
</tr>
<tr>
<td>• stamping out</td>
<td></td>
</tr>
<tr>
<td>• official disposal of carcasses, by-products and waste</td>
<td></td>
</tr>
<tr>
<td>• zoning</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Animals treated</th>
<th>Vaccination Prohibited</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

Follow-up report No.: 8, Report reference: , OIE Ref: 23014, Report Date: 04/03/2017, Country: Mexico