### Report Summary

**Disease**
Highly pathogenic avian influenza

**Animal type**
Terrestrial

**Causal Agent**
Highly pathogenic avian influenza virus

**Serotype(s)**
H7N3

**Clinical Signs**
Yes

**Reason**
Reoccurrence of a listed disease

**Date of first confirmation of the event**
21/06/2012

**Date of Start of Event**
13/06/2012

**Date of report**
16/07/2012

**Date Submitted To OIE**
17/07/2012

**Diagnosis**
Laboratory (basic), Laboratory (advanced)

**Date Of Last Occurrence**
06/1995

**Number Of Reported Outbreaks**
Submitted= 32, Draft= 0

**Name of Sender of the report**
Dr Hugo Fragoso Sánchez

**Address**
Avenida Cuauhtemoc No 1230 Piso 9
Colonia Santa Cruz Atoyac
Delegación Benito Juárez
03310 Mexico 03310

**Position**
Director general de salud animal

**Telephone**
+52 55 59 05 10 07

**Fax**

**Email**
hugo.fragoso@senasica.gob.mx

**Entered by**
Dr Hugo Fragoso Sánchez

### Outbreak (other report - submitted)  ( 1 )

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**Affected Population**

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**Affected Population**

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#### Species

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#### Species

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#### Species

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#### Species

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**Species**

- Birds: Animals
- Measuring units: 236000

**Affected Population**

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**Species**

- Birds: Animals
- Measuring units: 92000

**Affected Population**

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**Species**

- Birds: Animals
- Measuring units: 140587

**Affected Population**

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**Species**

- Birds: Animals
- Measuring units: 215000

**Affected Population**

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**Species**

- Birds: Animals
- Measuring units: 395000

**Affected Population**

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<td>29/06/2012</td>
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<tr>
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<td>Municipio</td>
<td>Localidad</td>
<td>Unit Type</td>
<td>Location</td>
<td>Latitude</td>
<td>Longitude</td>
<td>Start date</td>
<td>End Date</td>
</tr>
<tr>
<td>----------</td>
<td>---------------------------</td>
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<td>-----------</td>
<td>-------------------</td>
<td>----------</td>
<td>-----------</td>
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<td>----------------</td>
</tr>
<tr>
<td>JALISCO</td>
<td>San Miguel El Alto</td>
<td>foco 25</td>
<td>Farm</td>
<td>San Miguel El Alto</td>
<td>21,17426</td>
<td>-102,07453</td>
<td>03/07/2012</td>
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<tr>
<td>JALISCO</td>
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<td>foco 27</td>
<td>Farm</td>
<td>Tepatitlan de Morelos</td>
<td>20,5014</td>
<td>-102,44409</td>
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<td>JALISCO</td>
<td>Tepatitlan de Morelos</td>
<td>foco 26</td>
<td>Farm</td>
<td>Tepatitlan de Morelos</td>
<td>20,5153</td>
<td>-102,47256</td>
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<td>foco 28</td>
<td>Farm</td>
<td>Tepatitlan de Morelos</td>
<td>20,450701</td>
<td>-102,50559</td>
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<td>JALISCO</td>
<td>San Juan de los Lagos</td>
<td>foco 31</td>
<td>Farm</td>
<td>San Juan de los Lagos</td>
<td>21,15185</td>
<td>-102,27147</td>
<td>10/07/2012</td>
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</table>


Affected Population

Outbreak (other report - submitted) (29)

<table>
<thead>
<tr>
<th>Estado</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>JALISCO</td>
<td>Valle de Guadalupe</td>
<td>foco 29</td>
<td>Farm</td>
<td>Valle de Guadalupe</td>
<td>20.4574</td>
<td>-102.5116</td>
<td>10/07/2012</td>
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<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>396000</td>
<td></td>
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<td>0</td>
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Affected Population

Outbreak (other report - submitted) (30)

<table>
<thead>
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<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>JALISCO</td>
<td>Tepatitlan de Morelos</td>
<td>foco 30</td>
<td>Farm</td>
<td>Tepatitlan de Morelos</td>
<td>20.5127</td>
<td>-102.40176</td>
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</table>

<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>113000</td>
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<td></td>
<td>0</td>
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Affected Population

Outbreak (this report - submitted) (33)

<table>
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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>
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</thead>
<tbody>
<tr>
<td>JALISCO</td>
<td>Farm</td>
<td>San Juan de los Lagos</td>
<td>21.25436</td>
<td>-102.45414</td>
<td>16/07/2012</td>
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<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>152000</td>
<td>12</td>
<td>10</td>
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</tr>
</tbody>
</table>

Affected Population

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>9409569</td>
<td>2589185</td>
<td>995891</td>
<td>60000</td>
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</tbody>
</table>

Epidemiology

Epidemiological comments

During the epidemiological surveillance carried out in response to the event, the National Food Quality, Food Safety and Health Service (SENASICA) continues the epidemiological sampling in the outbreaks, around the outbreaks and in the buffer zone. So far, 305 poultry farms have been sampled. The virus H7N3 was isolated in 33 farms, diagnosis is ongoing in other 166 and 106 have tested negative to H7N3 virus. The population at risk in these 305 farms amounts to about 17 million birds, of which 60% of commercial farms, 24.6% of broilers, 8.5% of backyard poultry and 6.9% of breeders.

As part of the measures taken to reduce the risk, the buffer zone has been extended to an area of about 22,000 square kilometres. Through the surveillance activities, 22,258 serological and virological samples have been obtained and processed in three regional and one mobile laboratories, all of them are official. During the activities of depopulation of the poultry farms, around 3.8 million birds have been slaughtered and destroyed of an affected population of 9.3 million birds. Control measures on the movement of birds, their products and by-products are still in place in the quarantine area and 22 check and surveillance points have been established (14 around the perimeter and 8 inside).

Epidemiological surveillance activities continue in the outbreaks, around the outbreaks and in the buffer zone. As a measure to reduce the risk, sampling will be carried out in neighbouring States and in poultry farms at risk outside the buffer zone. Current epidemiological parameters indicate an incidence rate of 26.97%, a mortality of 10.58% and a fatality of 39%. As part of the measures to control and eradicate the virus, the possibility of authorizing the production and application of a temporary emulsified vaccine is being considered in the quarantine zone and in the exposed and at high-risk poultry farms. Poultry farms in which the temporary vaccination would be authorized, prior risk assessment, should eliminate the vaccinated birds at the end of their productive life.
Source of the outbreak(s) or origin of infection
- Unknown or inconclusive

Control Measures

<table>
<thead>
<tr>
<th>Applied</th>
<th>To be applied</th>
<th>Vaccination Prohibited</th>
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</thead>
<tbody>
<tr>
<td>Stamping out</td>
<td>No Planned Control Measures</td>
<td>Yes</td>
</tr>
<tr>
<td>Quarantine</td>
<td></td>
<td></td>
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<tr>
<td>Movement control inside the country</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Screening</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zoning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disinfection of infected premises/establishment(s)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Animals treated
- No

Country / Zone

Country or zone
- A zone or compartment

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

Future Reporting

What further reports will be submitted in relation to this event?
There are 32 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.
The event is continuing. Weekly follow-up reports will be submitted.