

## Follow-up report No.2 (Final report)

Report reference: , Reference OIE : 28427, Report Date : 26/10/2018, Country : Mexico

### Report Summary

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		<b>Date submitted to OIE</b>	27/10/2018

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	26/10/2018
<b>Disease</b>	Highly pathogenic avian influenza	<b>Date of start of the event</b>	12/02/2018
<b>Causal Agent</b>	Highly pathogenic avian influenza virus	<b>Date of confirmation of the event</b>	03/03/2018
<b>Serotype(s)</b>	H7N3	<b>Date of last occurrence</b>	31/05/2017
<b>Reason</b>	Recurrence of a listed disease	<b>Diagnosis</b>	Clinical, Laboratory (advanced)
<b>Country or zone</b>	a zone or compartment	<b>Clinical signs</b>	Yes
<b>Number of reported outbreaks</b>	submitted= 4, Draft= 0		

### Outbreak details

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Guanajuato-other report - submitted	-	San Felipe		Backyard	San Felipe	21.482469	-101.212514	12/02/2018	20/02/2018
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Killed and disposed of</b>	<b>Slaughtered</b>			
Birds	Animals	1900	1380	1380	520	0			
<b>Affected Population</b>	Approximately-80-weeks-old Rhode Island Red chickens and white chickens in a rural farm.								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Queretaro-other report - submitted	-	Cadereyta de Montes		Backyard	Cadereyta de Montes	20.695363	-99.814412	22/02/2018	23/02/2018
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Killed and disposed of</b>	<b>Slaughtered</b>			
Birds	Animals	26	7	7	19	0			
<b>Affected Population</b>	Backyard birds with clinical signs: conjunctivitis, watery diarrhea and sudden death.								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Queretaro-other report - submitted	-	Pedro Escobedo		Other	Pedro Escobedo	20.499372	-100.148795	12/04/2018	18/04/2018
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Killed and disposed of</b>	<b>Slaughtered</b>			
Birds	Animals	2604	1563	1563	1041	0			
<b>Affected Population</b>	Organic layer farm								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Guanajuato-other report - submitted	-	Irapuato		Backyard	Irapuato	20.664661	-101.309721	12/04/2018	18/04/2018
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Killed and disposed of</b>	<b>Slaughtered</b>			
Birds	Animals	60	35	35	25	0			
<b>Affected Population</b>	Fighting birds farm								

### Outbreak summary: Total outbreaks = 4 (Submitted)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Birds	4590	2985	2985	1605	0

### Epidemiology

<b>Epidemiological comments</b>
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**Epidemiological comments****Source of the outbreak(s) or origin of infection**

- Unknown or inconclusive

In the four outbreaks reported in 2018, all birds were killed and disposed of, carcasses, by-products and waste were officially disposed of, and the facilities were cleaned and disinfected. The quarantines in force were lifted when, through sentinelization, was checked that the virus was not circulating. The virus isolated in the premises in Irapuato, Guanajuato, showed an IVPI of 2.95, while the one in Pedro Escobedo, Queretaro, showed an IVPI of 2.86.

The last quarantine to be lifted was that of the affected premises in San Felipe, Guanajuato, due to the fact that the sampling from sentinel birds obtained a suspicious result for the virus. The birds were therefore disposed of on 31 May and measures against the outbreak were re-implemented (disposal of carcasses and waste, cleaning, washing and disinfection of facilities, sentinelization). Sampling of the second sentinelization was negative, demonstrating the absence of the virus, and the restrictions were lifted on 13 September.

In accordance with Article 10.4.4 of the Terrestrial Animal Health Code and since the three-month period without outbreaks have elapsed, this event is considered closed.

Epidemiological surveillance continues at local and national levels.

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

- Unknown or inconclusive

**Measures applied**

Applied	To be applied
<ul style="list-style-type: none"> <li>• movement control inside the country</li> <li>• screening</li> <li>• quarantine</li> <li>• official disposal of carcasses, by-products and waste</li> <li>• stamping out</li> <li>• zoning</li> <li>• disinfection</li> </ul>	<ul style="list-style-type: none"> <li>• no planned control measures</li> </ul>
Animals treated	Vaccination Prohibited
No	Yes

**Diagnostic test results**




Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
National laboratory	SENASICA Biosafety Laboratory Level 3	Birds	virus sequencing	26/06/2018	Positive
National laboratory	SENASICA Biosafety Laboratory Level 3	Birds	intravenous pathogenicity index (IVPI) test	19/04/2018	Positive

**Future Reporting**

The report and all its outbreaks have been resolved.

## Outbreak maps



-  Resolved (domestic)
-  International Boundaries
-  Administrative Boundaries