

### Follow-up report No.3

Report reference: , Reference OIE : 30510, Report Date : 17/05/2019, Country : Mexico

#### Report Summary

<b>Name of sender of the report</b>	MVZ Guerrero Lourdes	<b>Telephone</b>	+52 55 59051000
<b>Position</b>	Subdirectora de Evaluación Zoonosanitaria de Mercancias	<b>Fax</b>	
<b>Address</b>	Boulevard Adolfo Ruiz Cortines No. 5010, Col. Insurgentes Cuicuilco, Alc. Coyoacán Ciudad de México C.P. 04530	<b>Email</b>	lourdes.guerrero@senasica.gob.mx
		<b>Date submitted to OIE</b>	18/05/2019

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	17/05/2019
<b>Disease</b>	Highly pathogenic avian influenza	<b>Date of start of the event</b>	06/03/2019
<b>Causal Agent</b>	Highly pathogenic avian influenza virus	<b>Date of confirmation of the event</b>	10/03/2019
<b>Serotype(s)</b>	H7N3	<b>Date of last occurrence</b>	18/04/2018
<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= 11, Draft= 0		

#### Outbreak details

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Mexico-other report - submitted	-			Backyard	Acolman	19.650621	-98.880518	06/03/2019	22/03/2019
<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	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	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Queretaro-other report - submitted	-			Farm	Colón	20.676714	-99.987875	08/04/2019	19/04/2019
<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	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	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Jalisco-other report - submitted	-			Backyard	Lagos de Moreno	21.375311	-101.935152	09/04/2019	14/04/2019
<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	1625	1625	400	1225	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	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Jalisco-other report - submitted	-			Backyard	Lagos de Moreno	21.377253	-101.929069	09/04/2019	14/04/2019
<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	612	612	120	492	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.								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Mexico-other report - submitted	-			Backyard	Chapa de Mota	19.878863	-99.554658	09/04/2019	16/04/2019
<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	290	290	230	60	0			

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
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 following, cleaning and disinfection of the premises were carried out immediately.								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Hidalgo-other report - submitted	-			Backyard	Mineral del Chico	20.21594	-98.76137	15/04/2019	23/04/2019
Birds	Animals	619	178	172	447	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.								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Queretaro- (this report - submitted)	-			Backyard	Colón	20.066601	-100.07374	24/04/2019	02/05/2019
Birds	Animals	1	1	0	1	0			
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.								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Queretaro- (this report - submitted)	-			Backyard	Ezequiel Montes	20.65652	-99.96347	29/04/2019	07/05/2019
Birds	Animals	62	50	42	20	0			
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.								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Guerrero- (this report - submitted)	-			Backyard	General Heliodoro Castillo	17.928	-99.9	30/04/2019	08/05/2019
Birds	Animals	34	24	19	15	0			
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).								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Tlaxcala- (this report - submitted)	-			Backyard	Tlaxco	19.5552778	-98.0244444	30/04/2019	07/05/2019
Birds	Animals	10	5	5	5	0			
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).								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Queretaro- (this report - submitted)	-			Farm	Pedro Escobedo	20.5267	-100.08585	07/05/2019	
Birds	Animals	2000	1400	1200	0	0			
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).								

### Outbreak summary: Total outbreaks = 11 (Submitted)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Birds	144035	4340	2338	2265	138632

### Epidemiology

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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**

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

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**Measures applied**




Applied	To be applied
<ul style="list-style-type: none"> <li>• movement control inside the country</li> <li>• surveillance outside containment and/or protection zone</li> <li>• surveillance within containment and/or protection zone</li> <li>• quarantine</li> <li>• slaughter</li> </ul>	<ul style="list-style-type: none"> <li>• official disposal of carcasses, by-products and waste</li> <li>• stamping out</li> <li>• disinfection</li> <li>• ante and post-mortem inspections</li> </ul>
Animals treated	Vaccination Prohibited
No	No

**Future Reporting**

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

## Outbreak maps



-  Resolved (domestic)
-  Continuing (domestic)
-  International Boundaries
-  Administrative Boundaries