

Follow-up report No.4

Report reference: , Reference OIE : 30704, Report Date : 04/06/2019, Country : Mexico

Report Summary

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		Date submitted to OIE	06/06/2019

Animal type	Terrestrial	Date of report	04/06/2019
Disease	Highly pathogenic avian influenza	Date of start of the event	06/03/2019
Causal Agent	Highly pathogenic avian influenza virus	Date of confirmation of the event	10/03/2019
Serotype(s)	H7N3	Date of last occurrence	18/04/2018
Reason	Recurrence of a listed disease	Diagnosis	Clinical, Laboratory (advanced)
Country or zone	a zone or compartment	Clinical signs	Yes
Number of reported outbreaks	submitted= 15, 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
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
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
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
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
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
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
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
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
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
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:
Hidalgo-other report - submitted	-			Backyard	Mineral del Chico	20.21594	-98.76137	15/04/2019	23/04/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
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:
Queretaro-other report - submitted	-			Backyard	Colón	20.066601	-100.07374	24/04/2019	02/05/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
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:
Queretaro-other report - submitted	-			Backyard	Ezequiel Montes	20.65652	-99.96347	29/04/2019	07/05/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
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:
Guerrero-other report - submitted	-			Backyard	General Heliodoro Castillo	17.928	-99.9	30/04/2019	08/05/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
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:
Tlaxcala-other report - submitted	-			Backyard	Tlaxco	19.5552778	-98.0244444	30/04/2019	07/05/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
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:
Queretaro-other report - submitted	-			Farm	Pedro Escobedo	20.5267	-100.08585	07/05/2019	
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
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).								
Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Guerrero- (this report - submitted)	-			Backyard	General Heliodoro Castillo	17.924	-99.898	08/05/2019	
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			

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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			
Birds	Animals	54	14	10	0	0			
Affected Population	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.								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Queretaro- (this report - submitted)	-			Backyard	Cadereyta de Montes	20.68267	-99.81036	14/05/2019	01/06/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	25	5	0	25	0			
Affected Population	As a result of the epidemiological surveillance, tracheal swabs were taken in five birds in a backyard with 25 birds; no clinical signs observed.								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hidalgo- (this report - submitted)	-			Farm	Tizayuca	19.8281	-98.9606	14/05/2019	30/05/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	1300	1200	1150	150	0			
Affected Population	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).								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Queretaro- (this report - submitted)	-			Farm	San Juan del Río	20.4257778	-100.06	20/05/2019	31/05/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	133566	5	0	133566	0			
Affected Population	As a result of the epidemiological surveillance, tracheal swabs were taken in five birds in a commercial laying farm with 133,566 birds; no clinical signs observed.								

Outbreak summary: Total outbreaks = 15 (Submitted)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Birds	278980	5564	3498	136006	138632

Epidemiology

Epidemiological comments

Virus isolation was carried out in both backyards and in both commercial laying farms and the following IVPI results were obtained: 2.55 (General Heliodoro Castillo), 2.69 (Cadereyta de Montes) and 2.52 (Tizayuca). Quarantines were established as well as bans on movements in and out. All the birds were killed and the carcasses, by-products and waste were officially disposed of, and the facilities were cleaned and disinfected, except for the backyard in General Heliodoro Castillo, where measures are still on-going. The States of Querétaro, Hidalgo and Guerrero have a low prevalence and vaccination against avian influenza virus H7N3 is applied, prior authorization from SENASICA.

Source of the outbreak(s) or origin of infection

- Unknown or inconclusive

Measures applied

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

Future Reporting

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

Outbreak maps

