

Follow-up report No.4

Report reference: , Reference OIE : 13123, Report Date : 23/03/2013, Country : Mexico

Report Summary

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		Date submitted to OIE	23/03/2013

Animal type	Terrestrial	Date of report	23/03/2013
Disease	Highly pathogenic avian influenza	Date of start of the event	03/01/2013
Causal Agent	Highly pathogenic avian influenza virus	Date of pre-confirmation of the event	07/01/2013
Serotype(s)	H7N3	Date of last occurrence	29/09/2012
Reason	Reoccurrence of a listed disease	Diagnosis	Clinical, Laboratory (basic), Laboratory (advanced)
Country or zone	a zone or compartment	Clinical signs	Yes
Number of reported outbreaks	submitted= 37, Draft= 0		

Outbreak details

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
AGUASCALIENTES-other report - submitted	-	San Francisco de los Romo		Farm	San Francisco de los Romo	22.0690167	-102.270406	03/01/2013	08/01/2013
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	146755	2990	740	0	146015			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
AGUASCALIENTES-other report - submitted	-	Aguascalientes		Farm	Aguascalientes	22.0690168	-102.270406	05/01/2013	08/01/2013
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	138000	...	0	0	138000			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JALISCO-other report - submitted	-	Encarnación de Díaz	Encarnación de Díaz	Farm	Encarnación de Díaz 1	20.5164222	-102.233728	12/01/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	191771	10010	9077	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JALISCO-other report - submitted	-	Encarnación de Díaz	Encarnación de Díaz	Farm	Encarnación de Díaz 2	21.3164222	-102.133728	12/01/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	205742	10058	8932	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 2	21.15775	-100.93364	12/02/2013	

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	40000	5000	2000	38000	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JALISCO- (this report - submitted)	-	Tepatitlán de Morelos		Farm	Tepatitán de Morelos	20.844269	-102.74555	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	178029	3000	3000	0	0			
Affected Population	Four commercial flocks of layers								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 1	21.15775	-100.93564	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	40000	9000	3500	36500	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 3	21.15775	-100.93664	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	61242	5500	5088	56154	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	San Luis de La Paz		Farm	San Luis de La Paz	21.2757468	-100.725	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	210000	7500	5000	205000	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Juventino Rosas		Farm	Juventino Rosas	20.6435083	-100.995797	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	108500	452	450	108050	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 4	21.15775	-100.93264	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	35000	5000	1500	33500	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 5	21.15775	-100.93464	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	40000	18000	16000	24000	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	San Felipe		Farm	San Felipe	21.51111	-101.53111	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	73000	1101	1101	71899	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 6	21.15775	-100.93164	12/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	40000	2000	250	39750	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO- (this report - submitted)	-	Dolores Hidalgo		Farm	Dolores Hidalgo	21.15775	-100.94414	15/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	38739	6081	5125	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 2	21.15775	-100.93964	16/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	26171	187	187	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo 1	21.15775	-100.93864	16/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	35000	2000	1000	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo	21.15775	-100.93914	17/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	71292	522	347	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	San Miguel de Allende		Farm	San Miguel de Allende	20.9141611	-100.743714	18/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	40000	26665	21700	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Juventino Rosas		Farm	Juventino Rosas 2	20.6435083	-100.995589	19/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	100326	1000	800	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JALISCO- (this report - submitted)	-	Lagos de Moreno		Farm	Lagos de Moreno	21.479039	-101.7555	19/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	1752391	396200	388499	0	0			
Affected Population	15 flocks of broilers								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Juventino Rosas		Farm	Juventino Rosas 1	20.6435083	-100.995997	19/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	107212	1000	800	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	San Luis de La Paz		Farm	San Luis de La Paz	21.2757468	-100.625	20/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	189000	1000	571	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JALISCO- (this report - submitted)	-	Lagos de Moreno		Farm	Lagos de Moreno	21.479039	-101.7666	20/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	2000	100	100	0	0			
Affected Population	A commercial flock of layer Japanese quails								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JALISCO- (this report - submitted)	-	Encarnación de Díaz		Farm	Encarnación de Díaz	21.3164222	-102.133555	20/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	374699	39644	7100	0	0			
Affected Population	Two flocks of broilers								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	León		Farm	León	21.1326611	-101.678292	20/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	112501	25000	20335	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	San Miguel de Allende		Farm	San Miguel de Allende	20.9141611	-100.743614	21/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	182354	2500	2168	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Dolores Hidalgo		Farm	Dolores Hidalgo	21.15775	-100.94114	23/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	40000	2200	1673	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO-other report - submitted	-	Celaya		Farm	Celaya	21.15775	-100.94114	23/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	110162	84	84	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO- (this report - submitted)	-	Dolores Hidalgo		Farm	Dolores Hidalgo	21.15775	-100.94314	25/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	34317	16699	329	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO- (this report - submitted)	-	Juventino Rosas		Village	Juventino Rosas	20.6435083	-100.99579	25/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	43	3	3	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO- (this report - submitted)	-	Dolores Hidalgo		Farm	Dolores Hidalgo	21.15775	-100.94314	25/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	7452	2100	1405	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JALISCO- (this report - submitted)	-	Tepatitlán de Morelos		Farm	Tepatitlán de Morelos	20.844269	-102.74666	25/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	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	Destroyed	Slaughtered			
Birds	Animals	10	3	2	0	0			
Affected Population	Backyard poultry								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO- (this report - submitted)	-	San Miguel de Allende		Farm	San Miguel de Allende	20.9158	-100.74238	26/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	42719	9464	944	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO- (this report - submitted)	-	Comonfort		Farm	Comonfort	20.7171806	-100.754428	27/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	22900	...	0	0	0			
Affected Population									

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
JALISCO- (this report - submitted)	-	Unión de San Antonio		Farm	Unión de San Antonio	21.198203	-102.123555	27/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	11	6	0	0	0			
Affected Population	Backyard poultry								

Estado	Number of outbreaks	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GUANAJUATO- (this report - submitted)	-	San Miguel de Allende		Village	San Miguel de Allende	20.9158	-100.75238	28/02/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	70	6	2	0	0			
Affected Population									

Outbreak summary: Total outbreaks = 37 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	4797408	612075	509812	612853	284015

Epidemiology

Epidemiological comments

Following the epidemiological investigation on the event occurred in Guanajuato, 7 outbreaks due to highly pathogenic avian influenza virus were identified (5 heavy breeder farms and 2 backyards) with a total affected population of 146,240 birds. These outbreaks were located in the municipalities of Dolores Hidalgo (4), Juventino Rosas (1) and San Miguel de Allende (2).

In Jalisco, 2 outbreaks in broiler farms, one in Lagos de Moreno (15 flocks) and another in Encarnación de Díaz (2 flocks) were identified. In commercial layer farms, one outbreak was identified in Tepatitlán de Morelos (4 flocks), one in quails (Lagos de Moreno) and 2 in backyards (Tepatitlán de Morelos and Unión de San Antonio). The affected population is 2,307,140 birds.

Simultaneously, depopulation activities have begun in the affected farms and preventive vaccination is still on-going in high risk birds. From January to 15 March 2013, 44.6 million doses were applied.

Source of the outbreak(s) or origin of infection

- Unknown or inconclusive

Measures applied

Applied	To be applied

Applied	To be applied
<ul style="list-style-type: none"> • quarantine • movement control inside the country • screening • zoning • vaccination in response to the outbreak (s) • disinfection of infected premises/establishment(s) 	<ul style="list-style-type: none"> • stamping out
Animals treated	Vaccination Prohibited
No	No

Vaccination in response to outbreak

estado	Species	Number Vaccinated	Details
GUANAJUATO	Birds	5512080	Breeder and layer commercial farms

Future Reporting

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

Outbreak maps

