

Follow-up report No.: 4

Report reference: , OIE Ref: 12125, Report Date: 16/07/2012, Country: Mexico

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
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Outbreak (other report - submitted) (1)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	Valle de Guadalupe	Farm	Tepatitlan de Morelos	20,909833	-102,620311	13/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	480000	321600	118992	0	0		
Affected Population								

Outbreak (other report - submitted) (3)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Acatic	Tierras Coloradas	Farm	Acatic	20,721778	-102,870394	13/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	263440	158064	63226	60000	...		
Affected Population								

Outbreak (other report - submitted) (2)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	Pegueros	Farm	Tepatitlan de Morelos	20,91114	-102,69444	13/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	298599	107496	29024	0	0		
Affected Population								

Outbreak (other report - submitted) (4)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 4	Farm	Tepatitlan de Morelos	20,90769	-102,70269	24/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	96000	46000	46000	0	0		
Affected Population								

Outbreak (other report - submitted) (6)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 6	Farm	Tepatitlan de Morelos	20,903166	-102,717972	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	49056	263	105	0	0		
Affected Population								

Outbreak (other report - submitted) (9)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 9	Farm	Tepatitlan de Morelos	20,76083	-102,82437	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	133975	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (12)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 12	Farm	Tepatitlan de Morelos	20,94764	-102,6598	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	500000	500	200	0	0		
Affected Population								

Outbreak (other report - submitted) (15)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 15	Farm	Tepatitlan de Morelos	20,933852	-102,696783	29/06/2012	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	102000	100000	78000	0	0
Affected Population						

Outbreak (other report - submitted) (18)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Acatic	foco 18	Farm	Acatic	20,749166	-102,912	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1400000	700000	39970	0	0		
Affected Population								

Outbreak (other report - submitted) (5)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 5	Farm	Tepatitlan de Morelos	20,894111	-102,711472	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	235000	4000	4000	0	0		
Affected Population								

Outbreak (other report - submitted) (7)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 7	Farm	Tepatitlan de Morelos	20,9143	-102,685611	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	94500	55000	55000	0	0		
Affected Population								

Outbreak (other report - submitted) (10)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 10	Farm	Tepatitlan de Morelos	20,95441	-102,67451	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	150000	5000	2000	0	0		
Affected Population								

Outbreak (other report - submitted) (13)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Acatic	foco 13	Farm	Acatic	20,745611	-102,914361	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	71488	...	...	0	0		

Affected Population

Outbreak (other report - submitted) (16)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 16	Farm	Tepatitlan de Morelos	20,943194	-102,707778	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	165000	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (19)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Acatic	foco 19	Farm	Acatic	20,7602	-102,84091	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	75000	20000	13000	0	0		
Affected Population								

Outbreak (other report - submitted) (20)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 20	Farm	Tepatitlan de Morelos	20,51362	-102,43242	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	800000	800000	280000	0	0		
Affected Population								

Outbreak (other report - submitted) (23)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 23	Farm	Tepatitlan de Morelos	20,52382	-102,39074	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	216000	206000	206000	0	0		
Affected Population								

Outbreak (other report - submitted) (8)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 8	Farm	Tepatitlan de Morelos	20,907852	-102,671755	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	165000	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (11)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Acatic	foco 11	Farm	Acatic	20,73569	-102,88581	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	236000	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (14)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 14	Farm	Tepatitlan de Morelos	20,90875	-102,695611	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	92000	250	250	0	0		
Affected Population								

Outbreak (other report - submitted) (17)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Valle de Guadalupe	foco 17	Farm	Valle de Guadalupe	20,98164	-102,62894	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	140587	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (21)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Acatic	foco 21	Farm	Acatic	20,43404	-102,52444	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	215000	7000	3000	0	0		
Affected Population								

Outbreak (other report - submitted) (24)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Valle de Guadalupe	foco 24	Farm	Valle de Guadalupe	20,44022	-102,50411	29/06/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	395000	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (22)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 22	Farm	Tepatitlan de Morelos	20,53547	-102,42166	29/06/2012	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	30000	...	...	0	0
Affected Population						

Outbreak (other report - submitted) (25)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	San Miguel El Alto	foco 25	Farm	San Miguel El Alto	21,17426	-102,07453	03/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1526001	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (27)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 27	Farm	Tepatitlan de Morelos	20,5014	-102,44409	06/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	112000	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (26)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 26	Farm	Tepatitlan de Morelos	20,51153	-102,47256	06/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	40000	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (28)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 28	Farm	Tepatitlan de Morelos	20,450701	-102,50559	09/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	90166	58000	57114	0	0		
Affected Population								

Outbreak (other report - submitted) (31)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	San Juan de los Lagos	foco 31	Farm	San Juan de los Lagos	21,15185	-102,27147	10/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	576757	...	...	0	0		

Affected Population

Outbreak (other report - submitted) (29)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Valle de Guadalupe	foco 29	Farm	Valle de Guadalupe	20,45374	-102,51165	10/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	396000	...	...	0	0		
Affected Population								

Outbreak (other report - submitted) (30)

Estado	Municipio	Localidad	Unit Type	Location	Latitude	Longitude	Start date	End Date
JALISCO	Tepatitlan de Morelos	foco 30	Farm	Tepatitlan de Morelos	20,51271	-102,40176	10/07/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	113000	...	...	0	0		
Affected Population								

Outbreak (this report - submitted) (33)

Estado	Unit Type	Location	Latitude	Longitude	Start date	End Date		
JALISCO	Farm	San Juan de los Lagos	21,25436	-102,45414	16/07/2012			
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	152000	12	10	...	...
Affected Population								

Outbreak summary: Total outbreaks = 32 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	9409569	2589185	995891	60000	0

Epidemiology

Epidemiological comments
<p>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.</p> <p>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).</p> <p>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.</p>

Source of the outbreak(s) or origin of infection	• Unknown or inconclusive
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Control Measures

Applied	<ul style="list-style-type: none"> • Stamping out • Quarantine • Movement control inside the country • Screening • Zoning • Disinfection of infected premises/establishment(s) 	To be applied	• No Planned Control Measures
		Vaccination Prohibited	Yes
Animals treated	No		

Country / Zone

Country or zone	a zone or compartment
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Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
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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.

Outbreak maps

