

Follow-up report No.: 2

Report reference: , OIE Ref: 5284, Report Date: 07/05/2007, Country: Kuwait

Report Summary

Disease	Highly pathogenic avian influenza	Animal type	Terrestrial
Causal Agent	Highly pathogenic avian influenza virus	Serotype(s)	H5N1
Clinical Signs	Yes	Reason	First occurrence of a listed disease
Date of confirmation of Event	18/02/2007	Date of Start of Event	13/02/2007
Date of report	07/05/2007	Diagnosis	Suspicion, Clinical, Laboratory (basic), Laboratory (advanced), Necropsy
Number of reported outbreaks	Submitted= 20, Draft= 0	Name of Sender of the report	Dr Mohammed Wael Al-Muhanna
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Outbreak (this report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafra	28,5911	48,0632	26/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	250000	12	12	249988	0		
Affected Population		A farm of layer chickens						

Outbreak (this report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafra	28,5949	48,0091	25/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	213868	30	30	213838	0		
Affected Population		A commercial farm						

Outbreak (this report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafra	28,5833	48,0554	20/04/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1000	2	2	0	0		
Affected Population			A commercial ostrich farm					

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL FARWANIYAH	Al Rehab	Rehab	Farm	Rehab	29,2594	47,9627	04/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	3	2	0	3	0		
Affected Population			chickens in a backyard farm					

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafra	28,5601	48,0462	03/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	24	8	6	18	0		
Affected Population			chickens in a backyard farm					

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL JAHRAH	Al Sulaibiya	Sulaibiya	Farm	Sulaibiya	29,1396	47,6614	03/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	15	3	1	14	0		
Affected Population			a backyard farm with chickens only					

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
HAWALLI	Al Surrah	Surrah	Farm	Surrah	29,2401	48,0477	01/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	8	8	6	2	0		
Affected Population			a backyard farm with chickens only					

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafar	28,5717	48,0554	01/03/2007	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	17	4	4	13	0
Affected Population		a backyard farm where both chickens and turkeys were affected by the disease				

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
MOUBARAK AL KABEER	Al Qurain	Qurain	Farm	Qurain	29,1049	48,0979	28/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	65	2	0	65	0		
Affected Population		a backyard farm with chickens, geese and pigeons						

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL FARWANIYAH	Al Ardiya	Ardiya	Farm	Ardiya	29,2432	47,921	27/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	25	2	0	25	0		
Affected Population		a backyard farm with chickens only						

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafra	28,6003	48,0199	27/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	286	1	1	285	0		
Affected Population		a backyard farm with different species of birds. Only a falcon was affected by the disease.						

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL FARWANIYAH	Al Rabya	Rabya	Not applicable	Rabya	29,2864	47,928	26/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	51	2	0	51	0		
Affected Population		pigeons and a falcon. Both species were affected by the disease.						

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
MOUBARAK AL KABEER	Al Sabah Salem	Sabah Salem	Not applicable	Salem	29,1899	48,0863	26/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	3	2	1	2	0		

Affected Population a residence whose owner used to keep falcons as fancy birds

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL KUWAYT	Al Doha	Doha	Farm	Doha	29,3197	47,877	24/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	85	6	6	79	0		
Affected Population a backyard farm with a variety of birds including chickens, turkeys, guinea fowls, pigeons, falcons and quails								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Al Wafra	Farm	Wafra	28,6915	48,0207	20/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	670	2	0	668	0		
Affected Population a backyard farm that includes chickens, geese, ducks, guinea fowls and pigeons. Infection was detected in the farm during surveillance following the first confirmed case in the area. Antibody was detected in two guinea fowls.								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafra	28,571	48,1775	22/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1805	1	1	1804	0		
Affected Population a backyard farm with a variety of birds including chickens, ducks, turkeys and pigeons. Tissue sample from a dead turkey tested positive for H5N1.								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Nwasib	Al Nwasib	Farm	Nwasib	28,707	48,2872	22/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	114	20	20	94	0		
Affected Population a backyard farm with different types of birds including chickens, turkeys, ducks and pigeons. Chickens and turkeys were affected by the disease.								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Um Alhiman	Um Alhiman	Farm	Um Alhiman	28,8422	48,0052	17/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	47	2	2	45	0		
Affected Population backyard chickens								

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL AHMADI	Al Wafra	Wafra	Farm	Wafra	28,6683	48,1443	13/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	15	15	15	0	0		
Affected Population		chickens						

Outbreak (other report - submitted)

Governorate	District	Area	Unit Type	Location	Latitude	Longitude	Start	End
AL FARWANIYAH	Al Omaria	Al Omaria	Not applicable	Kuwait Zoo	29,2362	48,0091	17/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1000	7	5	2	0		
Affected Population								
Different types of birds are kept in the zoo; however, only falcons were affected by the disease. In response to the outbreak, other susceptible birds in the zoo were vaccinated.								

Outbreak summary: Total outbreaks = 20 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	469101	131	112	466996	0

Epidemiology

Epidemiological comments
The first case occurred in falcons and then reports of mortality in poultry followed. The first mortality report of chickens was received from two individuals. The individuals purchased the birds from markets two days before their death. Consequently, surveillance was intensified across the country.
Note by the OIE Animal Health Information Department: The first occurrence of the highly pathogenic avian influenza infection was reported in November 2005 (see Disease Information, 18[46], 445, dated 18 November 2005). This is the first occurrence of the disease in this country.
Source of Infection
• Unknown or inconclusive

Control Measures

Applied	• Movement control inside the country	To be applied	• Disinfection of infected premises/establishment(s)
	• Dipping / Spraying	Vaccination Prohibited	No
	• Stamping out		
	• Zoning		
Animals treated	No		

Country / Zone

Country or zone	the whole country
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Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Department of Veterinary Laboratory and Research	Birds	rapid tests	18/02/2007	Positive
National laboratory	Department of Veterinary Laboratory and Research	Birds	real-time PCR	20/02/2007	Positive
OIE's Reference Laboratory	VLA Weybridge, UK	Birds	real-time PCR	23/02/2007	Positive

Future Reporting

What further reports will be submitted in relation to this event?

There are 20 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

Outbreak map

