

Follow-up report No.: 4

Report reference: , OIE Ref: 5205, Report Date: 11/04/2007, Country: Pakistan

Report Summary

Disease	Highly pathogenic avian influenza	Animal type	Terrestrial
Causal Agent	Highly pathogenic avian influenza virus	Serotype(s)	H5N1
Clinical Signs	Yes	Reason	Reoccurrence of a listed disease
Date of confirmation of Event	04/02/2007	Date of Start of Event	01/02/2007
Date of report	11/04/2007	Diagnosis	Laboratory (advanced), Necropsy
Date of last occurrence	07/2006	Number of reported outbreaks	Submitted= 23, Draft= 0
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Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
NORTH-WEST FRONTIER	Abbottabad		Farm	Sattar, Berot, Sarran	34,22	73,15	02/04/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	5000	2950	2271	2729	0		
Affected Population		broiler poultry in a commercial farm						

Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
NORTH-WEST FRONTIER	Abbottabad		Farm	Waqas, Qalander Abad	34,22	73,15	02/04/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1000	670	482	518	0		
Affected Population		broiler and breeder poultry in a commercial farm						

Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
SINDH	Karachi		Farm	Usman, shed No. 15	25,16	66,92	27/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	2000	1000	750	1250	0		

Affected Population	layer poultry in a commercial farm
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Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
SINDH	Karachi		Farm	Usman, shed No. 12	25,16	66,92	27/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	2500	1125	799	1701	0		
Affected Population		layer poultry in a commercial farm						

Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
SINDH	Karachi		Farm	Usman, shed No. 14	25,16	66,92	27/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	2500	1500	1035	1465	0		
Affected Population		layer poultry in a commercial farm						

Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
SINDH	Karachi		Farm	Prince, shed No. 5	25,16	66,92	27/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	2500	1325	861	1639	0		
Affected Population		layer poultry in a commercial farm						

Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
SINDH	Karachi		Farm	Rehmania, shed No. 3	25,16	66,92	27/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	5600	3696	2587	3013	0		
Affected Population		layer poultry in a commercial farm						

Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
SINDH	Karachi		Farm	Rehmania, shed No. 2	25,16	66,92	27/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	6000	2400	1440	4560	0		
Affected Population		layer poultry in a commercial farm						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
NORTH-WEST FRONTIER	Abbottabad		Farm	Saler Maira	34,2	73,13	23/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1500	870	217	1283	0		
Affected Population		broiler						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
NORTH-WEST FRONTIER	Abbottabad		Farm	Beerh	34,2	73,13	23/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	2000	1200	420	1580	0		
Affected Population		broiler						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
NORTH-WEST FRONTIER	Mansehra		Farm	Bahali	34,39	73,11	23/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1300	845	422	878	0		
Affected Population		Golden layer						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
NORTH-WEST FRONTIER	Abbottabad		Farm	Banda Battang	34,2	73,13	23/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1500	900	360	1140	0		
Affected Population		broiler						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
NORTH-WEST FRONTIER	Peshawar		Village	Pir Sabak	34,03	71,49	07/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	150	90	60	90	0		
Affected Population		backyard poultry (Fayoumi breed)						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
NORTH-WEST FRONTIER	Peshawar		Farm	Taru Jaba	34,03	71,49	12/03/2007	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	12	2	2	10	0
Affected Population		backyard farm/zoo (pigeons and peacocks)				

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
PUNJAB	Rawalpindi		Farm	Ayub Park	33,67	72,95	12/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	5	1	1	4	0		
Affected Population		backyard farm/zoo (ostriches)						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
ISLAMABAD CAPITAL TERRITORY	Islamabad		Not applicable	Nelore	33,75	73,02	11/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	4	4	4	0	0		
Affected Population		wild crow						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
NORTH-WEST FRONTIER	Peshawar		Farm	Peshawar	34,03	71,49	08/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	5	2	2	3	0		
Affected Population		backyard farm/zoo (peacocks)						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
NORTH-WEST FRONTIER	Peshawar		Village	Pakna Pull	34,03	71,49	07/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	20	10	6	14	0		
Affected Population		backyard poultry (Fayoumi breed)						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
NORTH-WEST FRONTIER	Peshawar		Village	Shahi Bala	34,03	71,49	07/03/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	122	91	64	58	0		

Affected Population	backyard poultry (Fayoumi breed)
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Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
ISLAMABAD CAPITAL TERRITORY	Islamabad		Not applicable	Islamabad Zoo	33,72	73,06	16/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	42	4	3	39	0		
Affected Population		geese and turkeys in a zoo						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
ISLAMABAD CAPITAL TERRITORY	Sector F-11		Farm	Sector F-11	33,72	73,06	13/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	20	5	1	19	0		
Affected Population		backyard poultry (peacocks, parrots, partridges, ducks, cranes and native hens)						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
PUNJAB	Rawalpindi		Farm	Roomilane	33,651	72,968	02/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	40	20	18	22	0		
Affected Population		backyard poultry (native hens)						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
NORTH-WEST FRONTIER	Abbottabad	Manshera	Farm	Lohar Banda	34,404	73,121	01/02/2007	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	187	100	100	87	0		
Affected Population		backyard poultry including fancy birds like peacocks, pheasants, pigeons, ducks and parakeets.						

Outbreak summary: Total outbreaks = 23 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	34003	18806	11901	22102	0
Wild species	4	4	4	0	0

Epidemiology

Epidemiological comments	A ring vaccination with an H5 inactivated monovalent vaccine in a 3-km-radius zone around the outbreaks is ongoing.	Source of Infection	• Contact with wild Species
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Control Measures

Applied	<ul style="list-style-type: none"> • Screening • Disinfection of infected premises/establishment(s) • Quarantine • Stamping out 	To be applied	<ul style="list-style-type: none"> • Vaccination in response to the outbreak (s) • Zoning
	Animals treated	No	Vaccination Prohibited

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	National Animal Sciences Institute, National Agricultural Research Centre, Islamabad	Birds	haemagglutination (HA) test	05/04/2007	Positive
National laboratory	National Animal Sciences Institute, National Agricultural Research Centre, Islamabad	Birds	haemagglutination inhibition test (HIT)	05/04/2007	Positive
National laboratory	National Animal Sciences Institute, National Agricultural Research Centre, Islamabad	Birds	rapid tests	05/04/2007	Positive
National laboratory	National Animal Sciences Institute, National Agricultural Research Centre, Islamabad	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	05/04/2007	Positive
National laboratory	National Animal Sciences Institute, National Agricultural Research Centre, Islamabad	Birds	virus isolation	05/04/2007	Positive
National laboratory	National Animal Sciences Institute, National Agricultural Research Centre, Islamabad	Birds	virus neutralisation test (VNT)	05/04/2007	Positive
National laboratory	National Animal Sciences Institute, National Agricultural Research Centre, Islamabad	Birds	agar-gel immunodiffusion (AGID)	05/04/2007	Positive

Future Reporting

What further reports will be submitted in relation to this event?
There are 23 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

Outbreak map

