

Follow-up report No.: 2

Report reference: , OIE Ref: 5067, Report Date: 20/03/2007, 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	20/03/2007	Diagnosis	Laboratory (advanced), Necropsy
Date of last occurrence	07/2006	Number of reported outbreaks	Submitted= 11, Draft= 0
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Outbreak (this 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 (this 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 (this 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)
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Outbreak (this 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 (this 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 (this 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 (this 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)							

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 = 11 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	603	325	257	346	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 • Vaccination in response to the outbreak (s) • Disinfection of infected premises/establishment(s) • Quarantine • Stamping out 	To be applied	• Zoning
		Vaccination Prohibited	No
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	National Animal Sciences Institute, National Agricultural Research Centre, Islamabad	Birds	haemagglutination inhibition test (HIT)	15/03/2007	Positive
National laboratory	National Animal Sciences Institute, National Agricultural Research Centre, Islamabad	Birds	rapid tests	15/03/2007	Positive
National laboratory	National Animal Sciences Institute, National Agricultural Research Centre, Islamabad	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	15/03/2007	Positive
National laboratory	National Animal Sciences Institute, National Agricultural Research Centre, Islamabad	Birds	virus isolation	15/03/2007	Positive
National laboratory	National Animal Sciences Institute, National Agricultural Research Centre, Islamabad	Birds	virus neutralisation test (VNT)	15/03/2007	Positive
National laboratory	National Animal Sciences Institute, National Agricultural Research Centre, Islamabad	Birds	haemagglutination (HA) test	15/03/2007	Positive
National laboratory	National Animal Sciences Institute, National Agricultural Research Centre, Islamabad	Birds	agar-gel immunodiffusion (AGID)	15/03/2007	Positive

Future Reporting

What further reports will be submitted in relation to this event?
There are 11 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

Outbreak map

