

Follow-up report No.: 2

Report reference: , OIE Ref: 4952, Report Date: 17/01/2006, Country: Turkey

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	26/12/2005	Date of Start of Event	15/12/2005
Date of report	17/01/2006	Diagnosis	Clinical, Laboratory (advanced)
Date of last occurrence	08/12/2005	Number of reported outbreaks	Submitted= 42, Draft= 0
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Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TEKIRDAG	Corlu		Village	Misinli	41,3	27,61	15/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
SIIRT	Pervari		Village	Ormandali	37,93	42,5	09/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1266	1	1	1265	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
SIIRT	Merkez		Village	Gokcebag	37,9	41,87	09/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1765	4	4	1761	0		

Affected Population

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
MUS	Merkez		Village	Kirkoy	38,83	41,65	05/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	854	3	3	851	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
MUS	Malazgirt		Village	Merkez 6	39,14	42,53	05/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	15253	4	4	15249	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
MUGLA	Milas		Village	Merkez 5	37,31	27,78	11/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	8262	2	2	8260	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
MUGLA	Milas		Village	Hisarcik	37,37	27,63	11/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1986	6	6	1980	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
KARS	Merkez		Village	Caglayan 2	40,54	42,93	09/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
KARS	Merkez		Village	Bozkale	40,58	42,97	12/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
KARS	Merkez		Village	Bogatepe	40,58	42,96	12/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
KARS	Merkez		Village	Merkez 4	40,6	43,08	06/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	6	6	...	...
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
KARAMAN	Cerit Köyü		Not applicable	Cerit Köyü	36,95	33,18	09/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	...	1	...	...	...
Affected Population Wild duck								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
KARABUK	Kayabasi		Not applicable	Kayabasi	41,2	32,62	09/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	...	1	...	...	...
Affected Population Pigeon								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
IZMIR	Bayindir		Village	Yakindegirmen	38,22	27,64	09/01/2006	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	214	1	1	...	...
Affected Population						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
ISTANBUL	Umraniye		Village	Alemag	41,02	29,09	19/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	4	4	...	...
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
ISPARTA	Sakirkaraagac		Village	Karakaya	38,08	31,36	07/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	7298	27	27	7221	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
GUMUSHANE	Torul		Village	Tugrulbey	40,55	39,29	12/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	...	...	...
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
ERZURUM	Merkes		Village	Karayazi	39,7	42,14	12/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	226	226	...	...
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
ELAZIG	Merkez		Village	Karsiyaka	38,67	39,23	07/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	2	2	...	...

Affected Population

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
DIYARBAKIR	Merkez		Village	Surici	37,92	40,22	06/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	5	5	...	...
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
AYDIN	Merkez		Not applicable	Cesmetepe	37,61	27,92	12/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	...	1	1	...	...
Affected Population Dove								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
AYDIN	Kusadasi		Not applicable	Turkmen 2	37,85	27,25	09/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	...	2	2	...	...
Affected Population 1 pigeon et 1 cormoran								

Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
YOZGAT	Sorgun		Village	Agahefendi	39,81	35,18	08/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	14084	2	2	14082	0		
Wild species	Animals	...	1	...	...	...
Affected Population Sparrow								

Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
VAN	Merkez		Village	Merkez 3	38,28	43,53	05/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	...	3	8109	0		
Affected Population								

Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
ISTANBUL	Kucukcekmece		Village	Kucukcekmece	41,01	28,55	07/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	1028	1028	0	0		
Affected Population								

Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
ISTANBUL	Gaziosmanpasa		Village	Gaziosmanpasa	41,05	28,91	06/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	...	43	43	...	...
Affected Population								

Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
ERZINCAN	Merkez		Not applicable	Caglayan 1	39,59	39,7	21/11/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	...	3	3	...	...
Affected Population Pigeons								

Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
AYDIN	Merkez		Village	Çestepe	37,63	27,92	09/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	4559	3	3	4556	0		
Affected Population								

Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
AYDIN	Kusadasi		Village	Turkmen	37,85	27,25	09/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	7548	4	4	7544	0		
Wild species	Animals	...	3	...	...	...
Affected Population 1 pigeon, 1 swan and 1 cormorant								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
YOZGAT	Akdagmadeni		Village	Altılı zaimgeçidi	39,66	35,89	02/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	717	49	49	668	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
SANLIURFA	Hilvan		Village	Ücuzler	37,58	38,95	27/11/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	300	200	200	100	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
IGDIR	Merkez		Village	Merkez 2	39,89	43,99	28/12/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	2287	358	358	1929	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
ERZURUM	Senkaya		Village	Igdeli	40,56	42,34	02/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	324	10	0	324	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
ERZURUM	Merkez		Village	Merkez 1	40	41,4	02/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	4330	35	0	4330	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
ERZURUM	Horasan		Village	CamiiKebir	40,04	42,16	30/12/2005	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	4439	350	350	4089	0
Affected Population						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BURSA	Gürsu		Village	Karahidir	40,21	29,19	06/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	120	20	20	100	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
ANKARA	Nallihan		Not applicable	Cayirhan	40,18	31,35	06/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	...	2	2	0	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BITLIS	Adilcevaz		Not applicable	Aydinlar	38,8	42,74	15/12/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	...	2	2	0	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
AGRI	Hamur		Village	Asagi Yenigun	39,61	42,98	29/11/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	1260	25	0	1260	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
AGRI	Eleskirt		Village	Molla Huseyin	39,8	42,67	25/11/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	5601	12	0	5601	0		

Affected Population

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
AGRI	Dogubeyazit		Village	Merkez	39,55	44,07	31/12/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	12365	83	83	12282	0		
Affected Population								

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
IGDIR	Aralik		Village	Köprüler	39,88	44,51	15/12/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	2386	1214	1214	1172	0		
Affected Population								

The outbreak occurred in four backyard flocks which included chickens, geese, turkeys and ducks. Dead birds were generally over one year old.

Outbreak summary: Total outbreaks = 42 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	97218	3727	3648	102733	0
Wild species		16	10	0	0

Epidemiology

Epidemiological comments

To date, 17 outbreaks have been registered in backyard poultry flocks in 9 provinces. In 2 of these provinces, namely Yozgat and Aydin, there have also been positive results in wild birds (pigeon, swan, sparrow, cormorant and wild duck).

Positive results were found only in wild birds (pigeons and wild ducks) in Ankara, Erzincan and Bitlis provinces.

Currently, there are 50 suspected outbreaks under investigation. Seven of these suspected outbreaks were notified from provinces where outbreaks or individual cases in wild birds have already been confirmed; the remaining 42 suspected outbreaks were notified from 19 provinces where no confirmed outbreaks have been detected.

All outbreaks in poultry occurred in backyard flocks which generally included chickens, geese, turkeys and ducks.

The events in Gaziosmanpasa and Kucukoekmece, Istanbul have not yet been confirmed by the National Reference Laboratory.

The National Disease Crisis Centre and Local Disease Crisis Centre have been activated.

Protection and surveillance zones have been established.

Susceptible animals in the protection zones are culled with compensation. During the period 15 December 2005 - 16 January 2006, 931,923 poultry in and around the outbreaks were culled.

All movement of poultry and poultry products is banned.

Biosecurity measures have been increased.

Check points have been established for the control of illegal movements.

Clinical, serological and virological surveillance is being carried out.

Wildlife hunting is banned throughout the country.

Public awareness is being raised and training is being performed.

Source of Infection	• Unknown or inconclusive
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Control Measures

Applied	<ul style="list-style-type: none"> • Movement control inside the country • Screening • Disinfection of infected premises/establishment(s) • Stamping out 	To be applied	• No Planned Control Measures
		Vaccination Prohibited	Yes
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
Private Laboratory	Pendik Veterinary Control and Research Institute	Birds	agar-gel precipitation (AGP) test	09/01/2006	Positive
Private Laboratory	Pendik Veterinary Control and Research Institute	Birds	haemagglutination (HA) test	08/01/2006	Positive
National laboratory	Bornova Veterinary Control and Research Institute (national reference laboratory)	Wild species	haemagglutination inhibition test (HIT)	06/01/2006	Positive
National laboratory	Bornova Veterinary Control and Research Institute (national reference laboratory)	Birds	rapid tests	11/01/2006	Positive
National laboratory	Bornova Veterinary Control and Research Institute (national reference laboratory)	Birds	enzyme immunoassay (EIA) membrane test	11/01/2006	Positive
National laboratory	Bornova Veterinary Control and Research Institute (national reference laboratory)	Birds	agar-gel precipitation (AGP) test	11/01/2006	Negative
National laboratory	Bornova Veterinary Control and Research Institute (national reference laboratory)	Birds	haemagglutination inhibition test (HIT)	09/01/2006	Positive

Future Reporting

What further reports will be submitted in relation to this event?
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There are 42 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

Outbreak map

