

Follow-up report No.: 5

Report reference: , OIE Ref: 5211, Report Date: 31/10/2005, Country: Romania

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	07/10/2005	Date of Start of Event	04/10/2005
Date of report	31/10/2005	Diagnosis	Clinical, Laboratory (advanced), Necropsy
Date of last occurrence	1942	Number of reported outbreaks	Submitted= 7, Draft= 0
Name of Sender of the report	Mr Gabriel Predoi	Address	Autorité Nationale Sanitaire Vétérinaire BUCAREST
Position		Telephone	(40-21) 315 78 75
Fax	(40-21) 312 49 67	Email	predoi@ansv.ro
Entered by	Mme Margarita Alonso		

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TULCEA	Caraorman		Farm	Caraorman 1	45,08	29,4	15/11/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	28	1	0	28	0		
Affected Population		25 laying hens and 3 ducks						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TULCEA	Caraorman		Farm	Caraorman	45,08	29,4	15/11/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	36	2	1	35	0		
Affected Population		14 laying hens, 13 geese, 7 ducks and 2 turkeys						

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
CONSTANTA	Mihai Viteazu		Village	River Danube, in the vicinity of Vadu-Oii village	44,73	27,88	10/10/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	...	3	3		

Affected Population
2 geese and 1 swan.
The birds were found dead in an unpopulated area, at a distance of about 1 km from the River Danube, close to Vadu-Oii locality; the birds may have belonged to a flock of migratory birds.

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
VASLUI	Falciu		Village	Falciu	46,29	28,13	21/10/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	...	1	1		

Affected Population
a heron was found dead in an unpopulated area, at a distance of about 700 m from Prut River, close to the international border with Moldavia; the heron may have belonged to a flock of migratory birds.

Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TULCEA	Ceamurlia-de-Jos		Village	Ceamurlia-de-Jos	44,75	28,71	04/10/2005	20/10/2005
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	100	36	36	64	0		

Affected Population	58 laying hens and 42 ducks in a single backyard farm
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Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TULCEA	Maliuc		Farm	Vultur	45,17	29,08	07/10/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	48	18	18	30	0		

Affected Population	46 hens and 2 turkey hens (backyard flock)
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Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TULCEA	Maliuc		Village	Maliuc	45,17	29,08	07/10/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	537	137	137	0	0		

Affected Population	swans
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Outbreak summary: Total outbreaks = 7 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	212	57	55	157	0
Wild species	537	141	141	0	0

Epidemiology

Epidemiological comments
The avian influenza virus detected in a heron, found dead in Vaslui County on 21 October 2005, was confirmed to be of H5N1 subtype.

Conventional amino acid sequencing has revealed a motif of PQGERRRKKRGLF, a sequence consistent with high pathogenicity, and the same cleavage site sequence as in the Novosibirsk (Russia), Qinghai (People's Republic of China), Turkey and previous Romanian isolates.

Preliminary phylogenetic analysis (approx. 300 bp) places the Romanian isolate in the same grouping as the above viruses, with the closest matches being 100% with the chicken Romania Av 1210/05 and also the Turkey virus.

Source of Infection	<ul style="list-style-type: none"> • Contact with wild Species • Unknown or inconclusive
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Control Measures

Applied	<ul style="list-style-type: none"> • Movement control inside the country • Screening • Zoning 	To be applied	• Control of wildlife reservoirs
		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
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Future Reporting

What further reports will be submitted in relation to this event?
There are 6 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

Outbreak map

