

Follow-up report No.4

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Report Summary

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Animal type	Terrestrial	Date of report	25/01/2019
Disease	Highly pathogenic avian influenza	Date of start of the event	24/12/2018
Causal Agent	Highly pathogenic avian influenza virus	Date of confirmation of the event	24/12/2018
Serotype(s)	H5N8	Date of last occurrence	30/01/2017
Reason	Recurrence of a listed disease	Diagnosis	Clinical, Laboratory (basic), Laboratory (advanced), Necropsy
Country or zone	the whole country	Clinical signs	Yes
Number of reported outbreaks	submitted= 4, Draft= 0		

Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Mazandaran-other report - submitted	-			Village	Bala Langor	36.60364	52.74197	24/12/2018	25/12/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	1400	1000	400	1000	0			
Affected Population	Duck								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Mazandaran-other report - submitted	-			Farm	Nor joje	36.4979	52.1864	25/12/2018	27/12/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	35660	35260	394	35266	0			
Affected Population	Broiler breeders								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Qom-other report - submitted	-			Backyard	Ali Khedri	34.64565	50.82184	02/01/2019	03/01/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	12138	12138	8000	4138	0			
Affected Population	Backyard poultry								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
West Azarbayejan- (this report - submitted)	-			Village	Haj Hassan Khalese	37.066087	45.9545281	15/01/2019	17/01/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	1046	1046	154	892	0			
Affected Population	Backyard poultry								

Outbreak summary: Total outbreaks = 4 (Submitted)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Birds	50244	49444	8948	41296	0

Epidemiology

Epidemiological comments

Epidemiological comments
Source of the outbreak(s) or origin of infection
• Unknown or inconclusive
Based on Iran's HPAI control strategy, four different steps of HPAI operational control program (1- report/ detect, 2- confirmation, 3- extinction, 4- closure) are ongoing. The main objective of our National Program is to close the HPAI outbreaks; through trace-back and trace-forward investigation, this new outbreak was reported and closed successfully.
Source of the outbreak(s) or origin of infection
• Unknown or inconclusive

Measures applied

Applied	To be applied
<ul style="list-style-type: none"> • surveillance outside containment and/or protection zone • surveillance within containment and/or protection zone • screening • quarantine • official disposal of carcasses, by-products and waste • stamping out • zoning • disinfection 	<ul style="list-style-type: none"> • no planned control measures
Animals treated	Vaccination Prohibited
No	Yes

Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
Local laboratory	Provincial Veterinary Laboratory of East Azerbaijan	Birds	real-time PCR	15/01/2019	Positive
National laboratory	Central Veterinary Laboratory of Iran Veterinary Organization	Birds	real-time PCR	21/01/2019	Positive

Future Reporting

The event is continuing. Weekly follow-up reports will be submitted.

Outbreak maps

