

Follow-up report No.1

Report reference: , Reference OIE : 25214, Report Date : 13/11/2017, Country : Japan

Report Summary

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		Date submitted to OIE	17/11/2017

Animal type	Terrestrial	Date of report	13/11/2017
Disease	Highly pathogenic influenza A viruses (infection with) (non-poultry including wild birds)	Date of start of the event	05/11/2017
Causal Agent	Highly pathogenic influenza A virus	Date of confirmation of the event	09/11/2017
Serotype(s)	H5N6	Date of last occurrence	08/03/2017
Reason	Recurrence of a listed disease	Diagnosis	Laboratory (basic), Laboratory (advanced)
Country or zone	a zone or compartment	Clinical signs	Yes
Number of reported outbreaks	submitted= 4, Draft= 0		

Outbreak details

Prefecture	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
SHIMANE-other report - submitted	-			Not applicable	Matsue-shi	35.468205	133.048554	05/11/2017	05/11/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Mute Swan:Anatidae(Cygnus olor)	Animals	...	1	1	0	0			
Affected Population									

Prefecture	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
SHIMANE- (this report - submitted)	-			Not applicable	Matsue-shi	35.468205	133.048554	07/11/2017	07/11/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Tufted Duck:Anatidae(Aythya fuligula)	Animals	...	1	1	0	0			
Affected Population									

Prefecture	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
SHIMANE- (this report - submitted)	-			Not applicable	Matsue-shi	35.468205	133.048554	09/11/2017	09/11/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Tufted Duck:Anatidae(Aythya fuligula)	Animals	...	1	1	0	0			
Affected Population									

Prefecture	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
SHIMANE- (this report - submitted)	-			Not applicable	Matsue-shi	35.468205	133.048554	10/11/2017	10/11/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			

Prefecture	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Black-headed Gull:Laridae(Larus ridibundus)	Animals	...	1	1	0	0			
Affected Population									

Outbreak summary: Total outbreaks = 4 (Submitted)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Mute Swan		1	1	0	0
Tufted Duck		2	2	0	0
Black-headed Gull		1	1	0	0

Epidemiology

Epidemiological comments

New outbreaks in this report are as follows:

Case 1: On 7th November, one Aythya fuligula (tufted duck) was found dead in Matsue-shi and the sample taken tested positive for influenza A virus by antigen-capture kit. On 13th November, the sample was confirmed positive for H5N6 subtype influenza A virus.

Case 2: On 9th November, one Aythya fuligula (tufted duck) was found dead in Matsue-shi and the sample taken tested positive for influenza A virus by antigen-capture kit. On 15th November, the sample was confirmed positive for H5N6 subtype influenza A virus.

Case 3: On 11th November, one Larus ridibundus (black-headed gull) was found dead in Matsue-shi and the sample taken tested positive for influenza A virus by antigen-capture kit. On 15th November, the sample was confirmed positive for H5N6 subtype influenza A virus.

Following the positive result for HPAI in the carcass of a dead mute swan (reported in the immediate notification), from 13th to 15th November, surveillance for migratory birds was carried out near the area in which wild birds were found dead in Matsue-shi and no abnormality was found.

Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

Measures applied

Applied	To be applied
<ul style="list-style-type: none"> • screening • 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
Private Laboratory	Tottori University	Black-headed Gull	virus isolation	15/11/2017	Positive
Private Laboratory	Tottori University	Black-headed Gull	reverse transcription - polymerase chain reaction (RT-PCR)	15/11/2017	Positive
Private Laboratory	Tottori University	Black-headed Gull	neuraminidase inhibition assay	15/11/2017	Positive
Private Laboratory	Tottori University	Black-headed Gull	intravenous pathogenicity index (IVPI) test	15/11/2017	Positive
Private Laboratory	Tottori University	Black-headed Gull	haemagglutination inhibition test (HIT)	15/11/2017	Positive
Private Laboratory	Tottori University	Black-headed Gull	haemagglutination (HA) test	15/11/2017	Positive
Private Laboratory	Tottori University	Black-headed Gull	gene sequencing	15/11/2017	Positive
Private Laboratory	Tottori University	Tufted Duck	virus isolation	15/11/2017	Positive
Private Laboratory	Tottori University	Tufted Duck	reverse transcription - polymerase chain reaction (RT-PCR)	15/11/2017	Positive
Private Laboratory	Tottori University	Tufted Duck	neuraminidase inhibition assay	15/11/2017	Positive
Private Laboratory	Tottori University	Tufted Duck	intravenous pathogenicity index (IVPI) test	15/11/2017	Positive
Private Laboratory	Tottori University	Tufted Duck	haemagglutination inhibition test (HIT)	15/11/2017	Positive
Private Laboratory	Tottori University	Tufted Duck	haemagglutination (HA) test	15/11/2017	Positive
Private Laboratory	Tottori University	Tufted Duck	gene sequencing	15/11/2017	Positive

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Private Laboratory	Tottori University	Tufted Duck	reverse transcription - polymerase chain reaction (RT-PCR)	13/11/2017	Positive
Private Laboratory	Tottori University	Tufted Duck	neuraminidase inhibition assay	13/11/2017	Positive
Private Laboratory	Tottori University	Tufted Duck	intravenous pathogenicity index (IVPI) test	13/11/2017	Positive
Private Laboratory	Tottori University	Tufted Duck	haemagglutination inhibition test (HIT)	13/11/2017	Positive
Private Laboratory	Tottori University	Tufted Duck	haemagglutination (HA) test	13/11/2017	Positive
Private Laboratory	Tottori University	Tufted Duck	gene sequencing	13/11/2017	Positive

Future Reporting

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

Outbreak maps

