

Follow-up report No.5

Report reference: , Reference OIE : 26180, Report Date : 23/03/2018, Country : Japan

Report Summary

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Animal type	Terrestrial	Date of report	23/03/2018
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	Clinical, Laboratory (basic), Laboratory (advanced)
Country or zone	a zone or compartment	Clinical signs	Yes
Number of reported outbreaks	submitted= 18, 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-other 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-other 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-other 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									

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			
Shimane-other report - submitted	-			Not applicable	Matsue-shi	35.468205	133.048554	11/11/2017	11/11/2017
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:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Shimane-other report - submitted	-			Not applicable	Matsue-shi	35.468205	133.048554	12/11/2017	12/11/2017
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:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Shimane-other report - submitted	-			Not applicable	Matsue-shi	35.468205	133.048554	12/11/2017	12/11/2017
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:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Tokyo-other report - submitted	-			Not applicable	Ota ward	35.33414	139.4258	05/01/2018	05/01/2018
Northern Goshawk:Accipitridae(Accipiter gentilis)	Animals	...	1	1	0	0			
Affected Population									

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			
Hyogo-other report - submitted	-			Not applicable	Itami city	34.784302	135.400923	01/03/2018	01/03/2018
Large-billed Crow:Corvidae(Corvus macrorhynchos)	Animals	...	5	5	0	0			
Affected Population									

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:
Hyogo-other report - submitted	-			Not applicable	Itami city	34.784302	135.400923	02/03/2018	02/03/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Large-billed Crow:Corvidae(Corvus macrorhynchos)	Animals	...	6	6	0	0			
Affected Population									

Prefecture	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hyogo-other report - submitted	-			Not applicable	Itami city	34.784302	135.400923	03/03/2018	03/03/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Large-billed Crow:Corvidae(Corvus macrorhynchos)	Animals	...	2	2	0	0			
Affected Population									

Prefecture	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hyogo- (this report - submitted)	-			Not applicable	Itami city	34.784302	135.400923	04/03/2018	04/03/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Large-billed Crow:Corvidae(Corvus macrorhynchos)	Animals	...	5	5	0	0			
Affected Population									

Prefecture	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hyogo- (this report - submitted)	-			Not applicable	Itami city	34.784302	135.400923	05/03/2018	05/03/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Large-billed Crow:Corvidae(Corvus macrorhynchos)	Animals	...	6	6	0	0			
Affected Population									

Prefecture	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hyogo- (this report - submitted)	-			Not applicable	Itami city	34.784302	135.400923	06/03/2018	06/03/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Large-billed Crow:Corvidae(Corvus macrorhynchos)	Animals	...	6	6	0	0			
Affected Population									

Prefecture	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Hyogo- (this report - submitted)	-			Not applicable	Itami city	34.784302	135.400923	07/03/2018	07/03/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Large-billed Crow:Corvidae(Corvus macrorhynchos)	Animals	...	6	6	0	0			
Affected Population									

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			
Large-billed Crow:Corvidae(Corvus macrorhynchos)	Animals	...	3	3	0	0			
Affected Population									

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			
Hyogo- (this report - submitted)	-			Not applicable	Itami city	34.784302	135.400923	08/03/2018	08/03/2018
Large-billed Crow:Corvidae(Corvus macrorhynchos)	Animals	...	1	1	0	0			
Affected Population									

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			
Hyogo- (this report - submitted)	-			Not applicable	Itami city	34.784302	135.400923	11/03/2018	11/03/2018
Large-billed Crow:Corvidae(Corvus macrorhynchos)	Animals	...	1	1	0	0			
Affected Population									

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			
Hyogo- (this report - submitted)	-			Not applicable	Itami city	34.784302	135.400923	14/03/2018	14/03/2018
Large-billed Crow:Corvidae(Corvus macrorhynchos)	Animals	...	1	1	0	0			
Affected Population									

Outbreak summary: Total outbreaks = 18 (Submitted)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Mute Swan		3	3	0	0
Tufted Duck		3	3	0	0
Black-headed Gull		1	1	0	0
Northern Goshawk		1	1	0	0
Large-billed Crow		36	36	0	0

Epidemiology

Epidemiological comments

Large-billed crows (Corvus macrorhynchos) were found dead in Itami city and tested positive for influenza A virus with rapid tests. Then confirmatory tests were carried out in Tottori University and H5N6 highly pathogenic avian influenza virus was detected in 24 samples.

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

No	Yes
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	Large-billed Crow	virus isolation	23/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	reverse transcription - polymerase chain reaction (RT-PCR)	23/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	haemagglutination inhibition test (HIT)	23/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	haemagglutination (HA) test	23/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	gene sequencing	23/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	virus isolation	15/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	reverse transcription - polymerase chain reaction (RT-PCR)	15/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	haemagglutination inhibition test (HIT)	15/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	haemagglutination (HA) test	15/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	gene sequencing	15/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	virus isolation	12/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	reverse transcription - polymerase chain reaction (RT-PCR)	12/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	haemagglutination inhibition test (HIT)	12/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	haemagglutination (HA) test	12/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	gene sequencing	12/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	virus isolation	09/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	reverse transcription - polymerase chain reaction (RT-PCR)	09/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	haemagglutination inhibition test (HIT)	09/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	haemagglutination (HA) test	09/03/2018	Positive
Private Laboratory	Tottori University	Large-billed Crow	gene sequencing	09/03/2018	Positive

Future Reporting

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

Outbreak maps

