

# Immediate notification report

Report reference: , Ref OIE: 10072, Report Date: 20/12/2010 , Country: Japan

## Report Summary

<b>Disease</b>	Highly pathogenic avian influenza	<b>Animal type</b>	Terrestrial
<b>Causal Agent</b>	Highly pathogenic avian influenza virus	<b>Serotype(s)</b>	H5
<b>Clinical Signs</b>	Yes	<b>Reason</b>	Reoccurrence of a listed disease
<b>Date of first confirmation of the event</b>	19/12/2010	<b>Date of Start of Event</b>	16/12/2010
<b>Date of report</b>	20/12/2010	<b>Date Submitted To OIE</b>	20/12/2010
<b>Diagnosis</b>	Clinical, Laboratory (basic), Laboratory (advanced), Necropsy	<b>Date Of Last Occurrence</b>	01/04/2009
<b>Number Of Reported Outbreaks</b>	Submitted= 1, Draft= 0	<b>Name of Sender of the report</b>	Dr Toshiro Kawashima
<b>Address</b>	Animal Health Division	<b>Position</b>	CVO
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	Ministry of Agriculture, Forestry and Fisheries	<b>Entered by</b>	Dr Toshiro Kawashima
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## Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start date	End Date
TOYAMA	Takaoka city	Kojo	Not applicable	Takaoka kojo(Old Castle) Park Zoo	36,747838	137,022638	16/12/2010	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	14	4	4	10	0		
<b>Affected Population</b>	Captive wild birds 10 mute swans (4 mute swans died) 2 ducks 2 black swans							

**Outbreak summary: Total outbreaks = 1 (Submitted)**

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	14	4	4	10	0

## Epidemiology

### Epidemiological comments

It is confirmed on 19 December 2010 that a captive wild mute swan (*Cygnus olor*) in Toyama prefecture was infected with HPAI. On 16 December 2010, a staff member of the Takaoka Old Castle Park Zoo found out the death of two mute swans in a moat. The local veterinary service centre in the prefecture confirmed a sample taken from the dead birds was influenza A virus positive by antigen-capture kits on the same day. On 19 December 2010, the National Institute of Animal Health affirmed by HI test that the case was due to influenza A virus subtype H5 and found that the amino acid sequence of the connecting peptide of the haemagglutinin was the same as known highly pathogenic avian influenza. Neuraminidase inhibition assay are being carried out. On 20 December 2010, the institute confirmed the case as highly pathogenic avian influenza because the isolate caused 75 % mortality in 4-week-old chickens infected intravenously. The isolate is a closely-related strain with the viruses isolated from faeces of migratory wild ducks in Hokkaido in October 2010 and the cases occurred in Shimane prefecture in November 2010. The zoo destroyed all captive wild birds kept in the moat for its own prevention on 18 December 2010. Although a total of 4 dead birds are found out, 3 out of them were negative by antigen-capture kits.

**Source of the outbreak(s) or origin of infection** • Unknown or inconclusive

## Control Measures

<b>Applied</b>	• Stamping out	<b>To be applied</b>	• No Planned Control Measures
	• Disinfection of infected premises/establishment(s)	<b>Vaccination Prohibited</b>	Yes
<b>Animals treated</b>	No		

## Country / Zone

<b>Country or zone</b>	the whole country
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## Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	National Institute of Animal Health	other species	intravenous pathogenicity index (IVPI) test	20/12/2010	Positive
National laboratory	National Institute of Animal Health	other species	gene sequencing	19/12/2010	Positive
National laboratory	National Institute of Animal Health	other species	haemagglutination inhibition test (HIT)	19/12/2010	Positive
Local laboratory	Local livestock hygiene service center	other species	virus isolation	18/12/2010	Positive

## Future Reporting

### What further reports will be submitted in relation to this event?

There are 1 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

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

## Outbreak maps

