Immediate notification report

Report reference: REF OIE 25653, Report Date: 12/01/2018, Country : Japan

Report Summary

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		Date submitted to OIE	12/01/2018

Animal type	Terrestrial	**Date of report**	12/01/2018
Disease	Highly pathogenic avian influenza	**Date of start of the event**	10/01/2018
Causal Agent	Highly pathogenic avian influenza virus	**Date of confirmation of the event**	12/01/2018
Serotype(s)	H5N6	**Date of last occurrence**	27/03/2017
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= 1, Draft= 0		

Outbreak details

Prefecture	**Number of outbreaks**	**District**	**Sub-district**	**Unit Type**	**Location**	**Latitude**	**Longitude**	**Start Date**	**End Date:**
KAGAWA- (this report - submitted)	-			Farm	Sanuki-shi	34.325322	134.171937	10/01/2018	
Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Killed and disposed of**	**Slaughtered**			
Birds	Animals	51000	55	55	...	0			
Affected Population	Poultry (broilers)								

Outbreak summary: Total outbreaks = 1 (Submitted)

Species	**Susceptible**	**Cases**	**Deaths**	**Killed and disposed of**	**Slaughtered**
Birds	51000	55	55		0

Epidemiology

Epidemiological comments

On 10 January 2018, the local veterinary service in Kagawa Prefecture received a notification from a domestic broilers farm on an increase in the number of dead birds (55 birds on the same day). The samples were sent to the laboratory of the local veterinary service (Tobu Livestock Hygiene Service Centre) and the samples from dead birds and live birds were confirmed as avian influenza virus positive by antigen-capture kits. On 11 January, the Centre conducted RT-PCR and RRT-PCR tests and confirmed that the subtype was H5. On 12 January, the sequencing of the H5 gene was carried out by the National Institute of Animal Health (NIAH) and the causative virus was determined as highly pathogenic avian influenza virus. On the same day, NIAH conducted the RT-PCR test and confirmed that the subtype of the virus was H5N6.

Stamping-out policy was applied to the affected farm. Destruction of all the susceptible 51000 birds in the affected farm and 40000 birds in an epidemiologically linked farm is being implemented. Movement and shipment restrictions are imposed on the farms within a radius of 3 km and 3-10 km of the affected farm respectively.

Full genome sequencing of the virus is undergoing.

Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

Measures applied

Applied	**To be applied**
• movement control inside the country • screening • quarantine • stamping out • disinfection	• 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**

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
Local laboratory	Tobu Livestock Hygiene Service Centre	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	11/01/2018	Positive
Local laboratory	Tobu Livestock Hygiene Service Centre	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	11/01/2018	Positive
National laboratory	National Institute of Animal Health	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	12/01/2018	Positive
National laboratory	National Institute of Animal Health	Birds	gene sequencing	12/01/2018	Positive

Future Reporting

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

Outbreak maps