

Follow-up report No.: 10

Report reference: , OIE Ref: 10333, Report Date: 11/03/2011, Country: Japan

Report Summary

Disease	Highly pathogenic avian influenza	Animal type	Terrestrial
Causal Agent	Highly pathogenic avian influenza virus	Serotype(s)	H5N1
Clinical Signs	Yes	Reason	Reoccurrence of a listed disease
Date of first confirmation of the event	29/11/2010	Date of Start of Event	27/11/2010
Date of report	11/03/2011	Date Submitted To OIE	11/03/2011
Diagnosis	Clinical, Laboratory (basic), Laboratory (advanced), Necropsy	Date Of Last Occurrence	01/04/2009
Number Of Reported Outbreaks	Submitted= 23, Draft= 0	Name of Sender of the report	Dr Toshiro Kawashima
Address	Animal Health Division	Position	CVO
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	Ministry of Agriculture, Forestry and Fisheries	Entered by	Dr Toshiro Kawashima
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Outbreak (other report - submitted)

Province	Unit Type	Location	Latitude	Longitude	Start date	End Date
SHIMANE	Farm	Yasugi city	35,432211	133,251157	27/11/2010	05/12/2010
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	21606	57	57	21549	0
Affected Population	poultry (layer)					

Outbreak (other report - submitted)

Province	Unit Type	Location	Latitude	Longitude	Start date	End Date
TOTTORI	Not applicable	Around the wild bird park	35,443384	133,30569	04/12/2010	04/12/2010
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Wild species	Animals	...	1	0	1	0

Affected Population	Cygnus columbianus (tundra swan)
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Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
MIYAZAKI	Miyazaki city	Farm	Sadohara-cho	32,050989	131,431375	21/01/2011	24/01/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	10240	36	36	10204	0	
Affected Population		poultry (broiler breeding stock)					

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
MIYAZAKI	Koyu-gun	Farm	Shintomi-cho	32,0937	131,48	23/01/2011	02/02/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	410000	20	20	409980	0	
Affected Population		Poultry (layer)					

Outbreak (other report - submitted)

Province	Unit Type	Location	Latitude	Longitude	Start date	End Date
KAGOSHIMA	Farm	Izumi city	32,088452	130,297907	25/01/2011	26/01/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	8600	84	84	8516	0
Affected Population						

Outbreak (other report - submitted)

Province	Unit Type	Location	Latitude	Longitude	Start date	End Date
AICHI	Farm	Toyohashi city	34,711628	137,448033	26/01/2011	02/02/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	150000	120	120	149880	0
Affected Population						

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
MIYAZAKI	Koyu-gun	Farm	Tsuno-cho	32,271552	131,539641	27/01/2011	29/01/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	10401	300	300	10101	0	
Affected Population							

Outbreak (other report - submitted)

Province	Unit Type	Location	Latitude	Longitude	Start date	End Date
MIYAZAKI	Farm	Nobeoka city	32,689694	131,694947	28/01/2011	30/01/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	6600	67	67	6533	0
Affected Population						

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
MIYAZAKI	Koyu-gun	Farm	Kawaminami-cho	32,203569	131,513972	28/01/2011	31/01/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	92000	428	428	91572	0	
Affected Population							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
MIYAZAKI	Koyu-gun	Farm	Takanabe-cho	32,138945	131,51007	30/01/2011	01/02/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	40000	73	73	39927	0	
Affected Population							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
MIYAZAKI	Miyazaki city	Farm	Takaoka-cho	31,956256	131,299658	01/02/2011	03/02/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	190000	193	193	189807	0	
Affected Population							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
OITA	Oita city	Farm	Miyao	33,118614	131,699509	02/02/2011	03/02/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	11100	38	38	11062	0	
Affected Population							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
MIYAZAKI	Nishiusuki-gun	Farm	Takachiho-cho	32,711657	131,308028	04/02/2011	05/02/2011

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	57000	60	60	56940	0
Affected Population						

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
MIYAZAKI	Koyu-gun	Farm	Tsuno-cho	32,25656	131,557585	05/02/2011	07/02/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	96000	147	147	95853	0	
Affected Population							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
MIYAZAKI	Higashiusuki-gun	Farm	Kadokawa-cho	32,490532	131,578203	05/02/2011	07/02/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	30000	200	200	29800	0	
Affected Population							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
MIYAZAKI	Miyazaki city	Farm	Takaoka-cho	31,951964	131,236733	06/02/2011	08/02/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	33000	77	77	32923	0	
Affected Population							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
AICHI	Shinshiro city	Farm	Hiyoshi	34,9026023	137,5224235	14/02/2011	16/02/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	17500	20	20	17480	0	
Affected Population							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
MIYAZAKI	Nobeoka city	Farm	Kitaura-machi	32,763941	131,794045	15/02/2011	17/02/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	20000	35	35	19965	0	

Affected Population

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
MIE	Minamimuro-gun	Farm	Kiho-cho	33,733773	136,00967	15/02/2011	21/02/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	67000	35	35	66965	0	
Affected Population							

Outbreak (other report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
WAKAYAMA	Kinokawa city	Farm	Kishigawa-cho	34,218246	135,314015	15/02/2011	20/02/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	120000	10	10	119990	0	
Affected Population							

Outbreak (this report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
MIE	Watarai-gun	Farm	Minamiise-cho	34,352095	136,703689	26/02/2011	06/03/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	240000	22	22	239978	0	
Affected Population							

Outbreak (this report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
NARA	Gojo city	Farm	Mutsukura-cho	34,35027	135,730524	28/02/2011	07/03/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	100000	67	67	99933	0	
Affected Population							

Outbreak (this report - submitted)

Province	District	Unit Type	Location	Latitude	Longitude	Start date	End Date
MIYAZAKI	Higashiusuki-gun	Farm	Kadokawa-cho	32,490532	131,578203	05/03/2011	07/03/2011
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	
Birds	Animals	33000	30	30	32970	0	
Affected Population							

Outbreak summary: Total outbreaks = 23 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	1764047	2119	2119	1761928	0
Wild species		1	0	1	0

Epidemiology

Epidemiological comments

Minamiise-cho, Watarai-gun, Mie:

On 26 February 2011, poultry was tested positive for influenza A with rapid test at a farm in Minamiise-cho. Virus was identified as H5 with RT-PCR on 26 February and as H5N1 on 2 March. Mandatory movement restriction has been enforced within 10 km around the affected farm since 26 February 2011. All of the poultry at the farm was destroyed by 3 March.

Mutsukura-cho, Gojyo city, Nara:

On 28 February 2011, poultry was tested positive for influenza A with rapid test at a farm in Mutsukura-cho. Virus was identified as H5 with RT-PCR on 28 February and as H5N1 on 4 March. Mandatory movement restriction has been enforced within 10 km around the affected farm since 28 February 2011. All of the poultry at the farm was destroyed by 4 March.

Kadokawa-cho, Higashiusuki-gun, Miyazaki:

On 5 March 2011, poultry was tested positive for influenza A with rapid test at a farm in Kadokawa-cho. Virus was identified as H5 with RT-PCR on 5 March and as H5N1 on 9 March. Mandatory movement restriction has been enforced within 10 km around the affected farm since 5 March 2011. All of the poultry at the farm was destroyed by 6 March.

Mandatory movement restrictions were lifted on 25 February in Toyohashi city (follow-up report No. 6), on 26 February in Takaoka-cho (follow-up report No. 7), on 27 February in Izumi city (follow-up report No. 6) and in Miyao (follow-up report No. 7), on 28 February in Takachiho-cho (follow-up report No. 7), on 1 March in Tsuno-cho (follow-up report No. 8) and in Kadokawa-cho (follow-up report No. 8), on 2 March in Takaoka-cho (follow-up report No. 8), on 10 March in Hiyoshi (follow-up report No.9) and on 11 March in Kitaura-machi (follow-up report No.9).

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

Control Measures

Applied	<ul style="list-style-type: none"> • Stamping out • Movement control inside the country • Screening • Disinfection of infected premises/establishment(s) 	To be applied	• No Planned Control Measures
	Animals treated	No	Vaccination Prohibited

Country / Zone

Country or zone	the whole country
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Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
Regional Reference Laboratory	Mie Livestock Hygiene Centre	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	26/02/2011	Positive
National laboratory	National Institute of Animal Health	Birds	neuraminidase inhibition assay	04/03/2011	Pending
National laboratory	National Institute of Animal Health	Birds	gene sequencing	03/03/2011	Positive
National laboratory	National Institute of Animal Health	Birds	neuraminidase inhibition assay	09/03/2011	Positive

National laboratory	National Institute of Animal Health	Birds	gene sequencing	08/03/2011	Positive
National laboratory	National Institute of Animal Health	Birds	haemagglutination inhibition test (HIT)	07/03/2011	Positive
Local laboratory	Miyazaki Livestock Hygiene Centre	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	05/03/2011	Positive
National laboratory	National Institute of Animal Health	Birds	haemagglutination inhibition test (HIT)	02/03/2011	Positive
Local laboratory	Nara Livestock Hygiene Centre	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	28/02/2011	Positive
National laboratory	National Institute of Animal Health	Birds	neuraminidase inhibition assay	02/03/2011	Positive
National laboratory	National Institute of Animal Health	Birds	gene sequencing	01/03/2011	Positive
National laboratory	National Institute of Animal Health	Birds	haemagglutination inhibition test (HIT)	28/02/2011	Positive

Future Reporting

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

There are 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

