

Follow-up report No.9

Report reference: BHT_HPAI_2012_01, Reference OIE : 12981, Report Date : 08/02/2013, Country : Bhutan

Report Summary

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		Date submitted to OIE	08/02/2013

Animal type	Terrestrial	Date of report	08/02/2013
Disease	Highly pathogenic avian influenza	Date of start of the event	30/12/2011
Causal Agent	Highly pathogenic avian influenza virus	Date of pre-confirmation of the event	08/01/2012
Serotype(s)	H5N1	Date of last occurrence	25/03/2010
Reason	Reoccurrence 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= 14, Draft= 0		

Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
CHHUKHA-other report - submitted	-	Chukha		Village	Kamji	26.9388	89.4933	30/12/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	96	13	8	88	0			
Affected Population	A backyard poultry farm adjacent to the national highway								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
CHHUKHA-other report - submitted	-	Chukha	Bjabcho	Village	Mebesa	26.978	89.3397	30/12/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	2010	103	103	1907	0			
Affected Population	The new cases have occurred in backyard poultry in Mebesa village located above the district road off the national highway in Chhukha district.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
CHHUKHA-other report - submitted	-	Chukha		Village	Dala	26.8962	89.4697	30/12/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	136	22	8	128	0			
Affected Population	A backyard poultry farm adjacent to the national highway								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
CHHUKHA-other report - submitted	-	Chukha	Bjabcho	Village	Tsimasham	27.1024	89.5617	30/12/2011	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	2010	87	87	1923	0			
Affected Population	A backyard poultry farm adjacent to the national highway.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
CHHUKHA-other report - submitted	-	Chukha		Village	Maybari	27.1629	89.5549	08/01/2012	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	290	3	3	287	0			

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Affected Population	A backyard poultry farm adjacent to the national highway								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
CHHUKHA-other report - submitted	-	Chukha		Farm	Bunagu	26.9679	89.5852	08/01/2012	
Birds	Animals	123	37	35	88	0			
Affected Population	A backyard poultry farm adjacent to the national highway.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Thimphu-other report - submitted	-	Thimphu	Chang	Village	Chang Gedaphu	27.6482	89.5179	13/01/2012	
Birds	Animals	270	38	38	232	0			
Affected Population	A poultry backyard farm within Thimphu City								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
CHHUKHA-other report - submitted	-	Chukha	Phuntsholing	Village	Wangdigashel	26.8794	89.4003	10/02/2012	
Birds	Animals	652	12	12	632	0			
Affected Population	A backyard poultry farm adjacent to the national highway								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
CHHUKHA-other report - submitted	-	Chukha	Bongo	Farm	Gedu	26.9074	89.5572	17/02/2012	
Birds	Animals	231	10	5	226	0			
Affected Population	A backyard poultry farm adjacent to the national highway								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
CHHUKHA-other report - submitted	-	Chukha	Sampheling	Village	Burkey	26.8458	89.4765	02/03/2012	
Birds	Animals	1050	1	1	131	0			
Affected Population	Backyard scavenging poultry								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Mongar-other report - submitted	-	Mongar	Gongdue	Village	Yangbari	27.0195	91.1879	27/03/2012	
Birds	Animals	265	70	70	0	0			
Affected Population	Backyard free-ranging chicken in two villages, Yangbari and Patong								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
CHHUKHA-other report - submitted	-	Chukha	Phuentsholing	Village	Rinchending	26.8505	89.3997	02/10/2012	
Birds	Animals	496	24	24	29	0			

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Affected Population	Backyard free-ranging local chickens at Rinchening village. The affected village is located beside the Thimphu-Phuentsholing highway about 5 kilometres from Phuentsholing town.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Dagana-other report - submitted	-	Dagana	Lhamizingkha	Village	Farm Goan	26.974	89.8082	19/12/2012	
Birds	Animals	970	18	18	952	0			
Affected Population	From 19 to 30 December 2012, 18 poultry died in a backyard. All the birds were free-ranging birds. Ten birds had died in the village about a month before, but it was not reported at that time. Seven samples were collected from the five houses in the vicinity which include 93 free-ranging birds and were sent to the National Centre for Animal Health (NCAH) for real-time PCR; two were positive.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Sarpang- (this report - submitted)	-	Sarpang	Gelephu, Chuzangang	Farm	Namkhaling, Pelrithang & Chuzangang	26.9768	90.2817	14/01/2013	
Birds	Animals	85956	76	76	832	0			
Affected Population	Backyard free ranging local chicken in Chuzangang and Namkhaling villages. Backyard and improved chicken in Pelrithang village.								

Outbreak summary: Total outbreaks = 14 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	94555	514	488	7455	0

Epidemiology

Epidemiological comments

Up to 18 January 2013 a total of 76 poultry died in the affected area. Trace-back investigations revealed that there have been poultry deaths in the area from 14 January 2013 although they were not reported immediately to the local veterinary authorities. The disease was confirmed through real-time PCR at the National Veterinary Laboratory on 16 January 2013 when four carcasses were positive to tests. Subsequently, the disease was confirmed by HSADL (Bhopal, India) on 31 January 2013.

Source of the outbreak(s) or origin of infection

- Illegal movement of animals
- Unknown or inconclusive

Measures applied

Applied	To be applied
<ul style="list-style-type: none"> • stamping out • quarantine • movement control inside the country • screening • disinfection of infected premises/establishment(s) • dipping / spraying 	<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
National laboratory	National Centre for Animal Health	Birds	real-time PCR	16/01/2013	Positive
OIE's Reference Laboratory	High Security Animal Disease Laboratory, Bhopal, India	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	31/01/2013	Positive
OIE's Reference Laboratory	High Security Animal Disease Laboratory, Bhopal, India	Birds	real-time PCR	31/01/2013	Positive
National laboratory	National Centre for Animal Health	Birds	real-time PCR	17/01/2013	Positive

Future Reporting

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Outbreak maps

