

Follow-up report No.7

Report reference: BHT_HPAI_2012_01, Reference OIE : 12491, Report Date : 25/10/2012, Country : Bhutan

Report Summary

Name of sender of the report	Dr Karma Dukpa	Telephone	+975 2 322 418
Position	Director General	Fax	+975 2 322 094
Address	Post Box N°113	Email	k_dukpa@moaf.gov.bt
	Thimphu THIMPHU	Date submitted to OIE	25/10/2012

Animal type	Terrestrial	Date of report	25/10/2012
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 (advanced)
Country or zone	a zone or compartment	Clinical signs	yes
Number of reported outbreaks	Submitted= 12, 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		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	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	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- (this report - submitted)	-	Chukha	Phuentsholing	Village	Rinchending	26.8505	89.3997	02/10/2012	
Birds	Animals	496	24	24	29	0			

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Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Affected Population	Backyard free-ranging local chickens at Rinchending village. The affected village is located beside the Thimphu-Phuentsholing highway about 5 kilometres from Phuentsholing town.								

Outbreak summary: Total outbreaks = 12 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	7629	420	394	5671	0

Epidemiology

Epidemiological comments

As on 17 October 2012 a total of 24 poultry died in the affected area. Trace-back investigations revealed that there were poultry deaths in the area from 2 October although not reported to the local veterinary authorities. The disease was confirmed through rRT-PCR at the National Veterinary Laboratory in the country on 16 October when two carcasses were subjected to tests.

Source of the outbreak(s) or origin of infection

- Illegal movement of animals
- Introduction of new live animals

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
Regional Reference Laboratory	High Security Animal Disease Laboratory, Bhopal, India	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	19/10/2012	Positive
National laboratory	National Centre for Animal Health	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	16/10/2012	Positive

Future Reporting

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

Outbreak maps

