

## Follow-up report No.1

Report reference: , Reference OIE : 22171, Report Date : 12/01/2017, Country : India

### Report Summary

<b>Name of sender of the report</b>	Mr Devendra Chaudhry	<b>Telephone</b>	+91 11 233 82 608
<b>Position</b>	Secretary	<b>Fax</b>	+91 11 233 88 006
<b>Address</b>	Room No.218, Krishi Bhawan, Dr Rajendra Prasad Road, New Delhi-110 001 New Delhi	<b>Email</b>	secyahd@nic.in
		<b>Date submitted to OIE</b>	12/01/2017

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	12/01/2017
<b>Disease</b>	Highly pathogenic avian influenza	<b>Date of start of the event</b>	19/10/2016
<b>Causal Agent</b>	Highly pathogenic avian influenza virus	<b>Date of confirmation of the event</b>	24/10/2016
<b>Serotype(s)</b>	H5N8	<b>Date of last occurrence</b>	05/09/2016
<b>Reason</b>	Reoccurrence of a listed disease	<b>Diagnosis</b>	Laboratory (basic), Laboratory (advanced)
<b>Country or zone</b>	a zone or compartment	<b>Clinical signs</b>	Yes
<b>Number of reported outbreaks</b>	submitted= 25, Draft= 0		

### Outbreak details

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Kottayam	Thalayazham	Village	Thalayazham	9.42	76.25	19/10/2016	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	17308	2046	2046	15262	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-			Village	Neendoor	9.41	76.3	19/10/2016	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	4240	1220	1220	3020	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA-other report - submitted	-	Alappuzha	Thakazhy	Farm	Thakazhy	9.22	76.24	19/10/2016	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	79918	100	100	14648	...			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Kottayam	Paippad	Village	Paippad	9.26	76.32	19/10/2016	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	21268	418	418	20850	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Veliyanad	Village	Veliyanad	9.26	76.28	21/10/2016	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	4623	1816	1816	2807	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Cheruthana	Village	Cheruthana	9.2	76.26	22/10/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	24280	8123	8123	16157	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA-other report - submitted	-	Alappuzha	Ramankary	Farm	Ramankary	9.25	76.27	23/10/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	77848	15	15	6483	...			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Neelamperoor	Village	Neelamperoor	9.29	76.3	24/10/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	10770	700	700	10070	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Pallippad	Village	Pallippad	9.16	76.28	24/10/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	15740	1435	1435	14305	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Kottayam	Arpookkara	Village	Arpookkara	9.37	76.3	26/10/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	28051	2506	2506	25545	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Kottayam	Aymanam	Village	Aymanam	9.36	76.29	26/10/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	34388	6197	6197	28191	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Nedumudy	Village	Nedumudy	9.26	76.24	26/10/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	50671	10	10	50661	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Ambalapuzha North	Village	Ambalapuzha North	9.22	76.21	26/10/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	65014	13505	13505	51509	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Veeyapuram	Village	Veeyapuram	9.2	76.27	27/10/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	900	170	170	730	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Champakkulam	Village	Champakkulam	9.24	76.24	27/10/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	38523	418	418	38105	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Edathua	Village	Edathua	9.22	76.27	27/10/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	77239	6935	6935	70304	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Pulincunnu	Village	Pulincunnu	9.27	76.26	29/10/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	28080	4500	4500	23580	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Chennithala	Village	Chennithala	9.16	76.31	29/10/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	169460	783	783	168677	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Kottayam	Vechur	Village	Vechur	9.39	76.25	31/10/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	38321	11009	11009	27312	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
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State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Purakkad	Village	Purakkad	9.21	76.21	01/11/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	10455	32	32	10423	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Punnappra South	Village	Punnappra South	9.26	76.2	06/11/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	3482	132	132	3350	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Thalavady	Village	Thalavady	9.22	76.29	06/11/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	6609	110	110	6499	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Karuvatta	Village	Karuvatta	9.18	76.25	17/11/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	49762	880	880	48882	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Alappuzha	Ambalappuzha South	Village	Ambalappuzha South	9.22	76.21	23/11/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	12626	3146	3146	9480	0			
Affected Population									

State	Number of outbreaks	District	Village/Block	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
KERALA- (this report - submitted)	-	Kottayam	Kumarakom	Village	Kumarakom	9.37	76.25	24/11/2016	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	2280	480	480	1800	0			
Affected Population									

#### Outbreak summary: Total outbreaks = 25 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	871856	66686	66686	668650	0

#### Epidemiology

##### Epidemiological comments

##### Source of the outbreak(s) or origin of infection

- Unknown or inconclusive

**Measures applied**

<b>Applied</b>	<b>To be applied</b>
<ul style="list-style-type: none"> <li>• stamping out</li> <li>• quarantine</li> <li>• movement control inside the country</li> <li>• screening</li> <li>• disinfection / disinfestation</li> <li>• dipping / spraying</li> </ul>	<ul style="list-style-type: none"> <li>• no planned control measures</li> </ul>
<b>Animals treated</b>	<b>Vaccination Prohibited</b>
No	Yes

**Diagnostic test results**

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
National laboratory	National Institute of High Security Animal Diseases, Bhopal	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	03/11/2016	Positive
National laboratory	National Institute of High Security Animal Diseases, Bhopal	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	03/11/2016	Positive
National laboratory	National Institute of High Security Animal Diseases, Bhopal	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	29/10/2016	Positive
National laboratory	National Institute of High Security Animal Diseases, Bhopal	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	29/10/2016	Positive
Local laboratory	Animal Disease Diagnostic Laboratory	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	16/11/2016	Positive
Local laboratory	Animal Disease Diagnostic Laboratory	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	16/11/2016	Positive
Local laboratory	Animal Disease Diagnostic Laboratory	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	24/10/2016	Positive
Local laboratory	Animal Disease Diagnostic Laboratory	Birds	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	24/10/2016	Positive

**Future Reporting**

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

## Outbreak maps

