

Follow-up report No.8

Report reference: 536/17 NAHPRI, Reference OIE : 26300, Report Date : 28/03/2018, Country : Cambodia

Report Summary

Name of sender of the report	Dr Sen Sovann	Telephone	(855) 11 88 00 47
Position	Director General	Fax	(855) 23 21 96 63
Address	Trea village, Sangkat Steung Meanchey, Khan Meanchey, Phnom Penh, Cambodia Phnom Penh	Email	sen.sovann88@gmail.com
		Date submitted to OIE	28/03/2018

Animal type	Terrestrial	Date of report	28/03/2018
Disease	Highly pathogenic avian influenza	Date of start of the event	22/11/2017
Causal Agent	Highly pathogenic avian influenza virus	Date of confirmation of the event	06/12/2017
Serotype(s)	H5N1	Date of last occurrence	31/01/2017
Reason	Recurrence of a listed disease	Diagnosis	Clinical, Laboratory (basic), Laboratory (advanced)
Country or zone	the whole country	Clinical signs	Yes
Number of reported outbreaks	submitted= 9, Draft= 0		

Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Kg. Cham-other report - submitted	-	Prey Chhor	Tropang Preah	Farm	Kos Svay	12.08	105.22	22/11/2017	08/12/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	1763	1739	1739	24	0			
Affected Population	Local chicken farm.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Kg. Thom-other report - submitted	-	Staung	Samproch	Farm	Ampil Village	12.89	104.48	08/12/2017	16/12/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	5000	4000	4000	1000	0			
Affected Population	A duck flock with 5,000 ducks; 4,000 ducks were sick. On 8 December 2017, three samples from sick ducks were collected by a district veterinarian and sent to the National Animal Health and Production Research Institute for confirmation. All susceptible birds in the infected premise have been culled.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Kg. Cham-other report - submitted	-	Chamkar Leu	Chor Yo	Backyard	Tropang Russey Village	12.25	105.31	15/12/2017	27/12/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	342	189	189	153	0			
Affected Population	On 21/12/2017, poultry owners in Tropang Russey village reported high morbidity and mortality of chickens. Three samples of backyard chickens which died suddenly were collected by a district veterinarian and sent to the National Animal Health and Production Research Institute (NAHPRI) for laboratory diagnosis and confirmation. On 22/12/2017, the laboratory result confirmed the positivity to H5N1 avian influenza virus. All susceptible poultry birds in the infected premises have been culled.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Kandal-other report - submitted	-	Kien Svay	Banteay Dek	Backyard	Prek Pul village	11.43	105.11	05/01/2018	12/02/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	62	47	47	15	0			
Affected Population	On January 5th, 2018, backyard poultry's owner in Prek Pul village, Banteay Dek commune, Kien Svay district, Kandal province reported high morbidity and mortality of chicken to the General Directorate of Animal Health and Production (GDAHP). Five samples from poultry were collected by National Animal Health and Production Research Institute (NAHPRI) staffs and sent to NAHPRI laboratory for confirmation. On January 08th, 2018, the laboratory result confirmed positive to avian influenza. All susceptible birds in the infected premises have been culled.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
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Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Phnom Penh-other report - submitted	-	Sen Sok	Phnom Phnom Thmey	Backyard	Phnom Penh Thmey Village	11.61	104.88	07/01/2018	13/01/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	325	33	33	292	0			
Affected Population	On January 07th, 2018, backyard poultry's owner in Phnom Penh Thmey village, Sangkat Phnom Penh Thmey, Khan Sen Sok, reported high morbidity and mortality of chicken to the General Directorate of Animal Health and Production (GDAHP). Three samples from chickens which died suddenly were collected by National Animal Health and Production Research Institute (NAHPRI) staff. All samples were sent to the NAHPRI laboratory for diagnosis and confirmation. On January 09th, 2018, the laboratory result confirmed the positivity to avian influenza H5N1. All susceptible birds in the infected premises have been culled.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Mondolkiri-other report - submitted	-	Keo Seima	Sre Khtum	Backyard	Om Arm village	12.41	106.77	30/01/2018	07/02/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	77	14	14	63	0			
Affected Population	On January 30th, 2018, backyard poultry's owner in Om Arm village, Sre Khtum commune, Keo Seima district reported to Provincial Animal Health and Production Office (PAHPO) that there were 14 out of 60 chickens sick with suspected clinical signs of avian influenza. Two samples from chickens which died suddenly were collected by PAHPO staff and sent to National Animal Health and Production Research Institute (NAHPRI) for laboratory diagnosis and confirmation. On February 1st, 2018, the laboratory result confirmed positive of influenza A/H5N1. All susceptible birds in the infected premises have been culled.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Prey Veng-other report - submitted	-	Ba Phnom	Sdao Koang	Backyard	Prey Phdao Village	11.28	105.42	11/02/2018	17/02/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	530	184	184	346	0			
Affected Population	On February 11th, 2018, a backyard poultry's owner in Prey Phdao village (Sdao Koang commune, Ba Phnom district, Prey Veng province) reported high morbidity and mortality of chickens to the Provincial Animal Health and Production Office. Two samples from chickens which died suddenly were collected by provincial veterinarians and sent to the National Animal Health and Production Research Institute (NAHPRI) for confirmation. On February 13th, 2018, the laboratory result confirmed the positivity to H5N1 avian influenza. All susceptible birds in the infected premise have been culled.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Phnom Penh-other report - submitted	-	Sen Sok	Khmourgn	Farm	Tropang Raing Thmey Village	11.61	104.88	15/02/2018	22/02/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	98	20	20	78	0			
Affected Population	On February 15th, 2018, a farm owner in Tropang raing Thmey village (Sangkat Thmourgn, Khan Sen Sok) reported morbidity and mortality in chickens to Institute Pasteur of Cambodia (IPC). IPC in collaboration with General Directorate for Animal Health and Production (GDAHP) collected six samples from chickens which had died suddenly and sent them to IPC for laboratory testing. On January 16th, 2018, the laboratory confirmed positive results for influenza A/H5N1. All susceptible birds in the infected premise have been culled.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Siem Reap- (this report - submitted)	-	Siem Reap	Krobey Real	Farm	Prey Kroch Village	13.3	103.85	15/03/2018	24/03/2018
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Birds	Animals	200	23	23	177	0			
Affected Population	On March 14th, 2018, a farm owner reported sick and dead poultry to the Provincial Animal Health and Production Office, requesting to collect samples for testing. On March 16th, laboratory results confirmed the presence of highly pathogenic avian influenza virus, serotype H5N1.								

Outbreak summary: Total outbreaks = 9 (Submitted)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Birds	8397	6249	6249	2148	0

Epidemiology

Epidemiological comments

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

Measures applied

Applied	To be applied
<ul style="list-style-type: none"> • movement control inside the country • surveillance within containment and/or protection zone • stamping out • disinfection 	<ul style="list-style-type: none"> • surveillance outside containment and/or protection zone
Animals treated	Vaccination Prohibited
No	Yes

Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
Private Laboratory	Institute Pasteur of Cambodia	Birds	real-time PCR	17/03/2018	Positive
National laboratory	National Animal Health and Production Research Institute (NAHPRI)	Birds	real-time PCR	16/03/2018	Positive

Future Reporting

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

Outbreak maps

