

Immediate notification report

Report reference: REF OIE 29686, Report Date: 26/02/2019, Country : Pakistan

Report Summary

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		Date submitted to OIE	26/02/2019

Animal type	Terrestrial	Date of report	26/02/2019
Disease	Highly pathogenic influenza A viruses (infection with) (non-poultry including wild birds)	Date of start of the event	02/01/2019
Causal Agent	Highly pathogenic influenza A virus	Date of confirmation of the event	15/02/2019
Serotype(s)	H5N8	Date of last occurrence	02/02/2018
Reason	Recurrence of a listed disease	Diagnosis	Clinical, Laboratory (advanced)
Country or zone	a zone or compartment	Clinical signs	Yes
Number of reported outbreaks	submitted= 2, Draft= 0		

Outbreak details

Pakistan	Number of outbreaks	Province	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Islamabad Capital Territory- (this report - submitted)	-			Other	F 11/3	33.688928	72.987924	02/01/2019	22/02/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Mallard:Anatidae(Anas platyrhynchos)	Animals	10	7	7	3	0			
Common Guineafowl:Numididae(Numida meleagris)	Animals	8	6	6	2	0			
Coscoroba Swan:Anatidae(Coscoroba coscoroba)	Animals	50	50	50	0	0			
Affected Population	Adult Guinea fowl, swan and duck were submitted for laboratory analysis.								

Pakistan	Number of outbreaks	Province	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Islamabad Capital Territory- (this report - submitted)	-			Other	Diplomatic Enclave	33.720231	73.108652	07/02/2019	15/02/2019
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
House Crow:Corvidae(Corvus splendens)	Animals	...	1	1	0	0			
Affected Population	An adult dead crow was submitted for analysis to the National Reference Laboratory for Poultry Diseases.								

Outbreak summary: Total outbreaks = 2 (Submitted)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Mallard	10	7	7	3	0
Common Guineafowl	8	6	6	2	0
Coscoroba Swan	50	50	50	0	0
House Crow		1	1	0	0

Epidemiology

Epidemiological comments

Epidemiological comments
Source of the outbreak(s) or origin of infection
• Unknown or inconclusive
Clinical symptoms swan, duck and Guinea fowl included diarrhea, respiratory signs and sudden death. The dead swan, duck and Guinea fowl were submitted to the National Reference Laboratory for Poultry Diseases (NRLPD) and tested positive for influenza A H5N8 virus.
A dead crow was sent by an official from the British High Commission to the NRLPD for analysis and tested positive for influenza A H5N8 virus.
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 • screening • official destruction of animal products • official disposal of carcasses, by-products and waste • control of wildlife reservoirs • selective killing and disposal • disinfection 	<ul style="list-style-type: none"> • no planned control measures
Animals treated	Vaccination Prohibited
No	No

Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
Regional Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	House Crow	enzyme-linked immunosorbent assay (ELISA)	15/02/2019	Positive
Regional Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	House Crow	real-time PCR	15/02/2019	Positive
Regional Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	House Crow	virus neutralisation test (VNT)	26/02/2019	Positive
Regional Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	House Crow	virus isolation	15/02/2019	Positive
Regional Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	Coscoroba Swan	virus neutralisation test (VNT)	22/02/2019	Positive
Regional Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	Coscoroba Swan	virus isolation	22/02/2019	Positive
Regional Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	Coscoroba Swan	real-time PCR	15/02/2019	Positive
OIE Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	Coscoroba Swan	enzyme-linked immunosorbent assay (ELISA)	15/02/2019	Positive
OIE Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	Common Guineafowl	virus neutralisation test (VNT)	22/02/2019	Positive
Regional Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	Common Guineafowl	virus isolation	22/02/2019	Positive
Regional Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	Common Guineafowl	real-time PCR	15/02/2019	Positive
Regional Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	Common Guineafowl	enzyme immunoassay (EIA) membrane test	15/02/2019	Positive
Regional Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	Mallard	virus neutralisation test (VNT)	22/02/2019	Positive
Regional Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	Mallard	virus isolation	22/02/2019	Positive
Regional Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	Mallard	real-time PCR	15/02/2019	Positive

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
Regional Reference Laboratory	National Reference Laboratory for Poultry Diseases (NRLPD)	Mallard	enzyme-linked immunosorbent assay (ELISA)	15/02/2019	Positive

Future Reporting

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

Outbreak maps

