



Information received on 22/04/2020 from Dr Mark Davidson, Associate Administrator, USDA-APHIS, United States Department of Agriculture, Washington, United States of America

Summary

Report type	Follow-up report No. 2
Date of start of the event	27/03/2020
Date of confirmation of the event	04/04/2020
Report date	22/04/2020
Date submitted to OIE	22/04/2020
Reason for notification	Emerging disease
Morbidity	2 (scale 0 to 5)
Mortality	0 (scale 0 to 5)
Zoonotic impact	Zoonotic potential currently unknown
Causal agent	SARS-CoV-2/COVID-19
Related reports	Immediate notification (06/04/2020) Follow-up report No. 1 (17/04/2020) Follow-up report No. 2 (22/04/2020) Follow-up report No. 3 (29/04/2020)

New outbreaks (2)

Outbreak 1	Nassau County, Nassau, New York					
Date of start of the outbreak	01/04/2020					
Outbreak status	Continuing (or date resolved not provided)					
Epidemiological unit	Other					
Affected animals	Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
	Cats	1	1	0	0	0
Affected population	Pet domestic cat (Felis catus) in a residential household					

Outbreak 2	Orange County, Orange, New York					
Date of start of the outbreak	06/04/2020					
Outbreak status	Continuing (or date resolved not provided)					
Epidemiological unit	Other					
Affected animals	Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
	Cats	2	1	0	0	0
Affected population	Pet domestic cat (Felis catus) in a residential household					

Summary of outbreaks	Total outbreaks: 2					
Total animals affected	Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
	Cats	3	2	0	0	0
Outbreak statistics	Species	Apparent morbidity rate	Apparent mortality rate	Apparent case fatality rate	Proportion susceptible animals lost*	
	Cats	66.67%	0.00%	0.00%	0.00%	
*Removed from the susceptible population through death, destruction and/or slaughter						

Epidemiology

Source of the	Suspected human transmission
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outbreak(s) or origin of infection	
Epidemiological comments	22 Apr 2020 Update--Two cats from separate households were sampled for respiratory illness. Clinical signs included sneezing and ocular discharge. Samples from the cats were tested by SARS-CoV-2 PCR after testing negative for other respiratory pathogens. One cat is from a two-cat household with a known COVID-19 affected person, the other from a household in an affected neighborhood and allowed to go outdoors. SARS-CoV-2 was confirmed in samples based upon molecular testing (PCR and sequencing) of samples from the initial testing laboratory and follow up samples obtained directly. Both cats are expected to fully recover, and testing of follow up samples indicated both cats were clearing the infection.

Control measures

Measures applied	Quarantine Disinfection Vaccination permitted (if a vaccine exists) No treatment of affected animals
Measures to be applied	No other measures

Diagnostic test results

Laboratory name and type	Species	Test	Test date	Result
National Veterinary Services Laboratories (National laboratory)	Cats	gene sequencing	17/04/2020	Positive
National Veterinary Services Laboratories (National laboratory)	Cats	gene sequencing	20/04/2020	Positive
National Veterinary Services Laboratories (National laboratory)	Cats	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	15/04/2020	Positive
National Veterinary Services Laboratories (National laboratory)	Cats	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	20/04/2020	Positive

Future Reporting

The event is continuing. Weekly follow-up reports will be submitted.
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Map of outbreak locations

