

United States of America - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 10

GENERAL INFORMATION

COUNTRY/TERRITORY OR ZONE	ANIMAL TYPE	DISEASE CATEGORY	EVENT ID
ZONE	TERRESTRIAL	Listed disease	4451
DISEASE	CAUSAL AGENT	GENOTYPE / SEROTYPE / SUBTYPE	START DATE
Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-)	Highly pathogenic avian influenza virus	H5N1	2022/04/09
REASON FOR NOTIFICATION	DATE OF LAST OCCURRENCE	CONFIRMATION DATE	EVENT STATUS
Unusual host species	-	2022/05/05	On-going
END DATE	SELF-DECLARATION		
-	NO		

REPORT INFORMATION

REPORT NUMBER	REPORT ID	REPORT REFERENCE	REPORT DATE
Follow-up report 10	FUR_157635	-	2022/11/04
REPORT STATUS	NO EVOLUTION REPORT		
Validated	-		

EPIDEMIOLOGY

SOURCE OF EVENT OR ORIGIN OF INFECTION

- Contact with wild species
- Unknown or inconclusive

EPIDEMIOLOGICAL COMMENTS

Illinois (IL)--Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild Virginia opossum (*Didelphis virginiana*) in Cook County, Illinois. New York (NY)--Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild red fox (*Vulpes vulpes*) in Tompkins County, New York. Montana (MT)--Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild striped skunk (*Mephitis mephitis*) in Gallatin County, Montana.

QUANTITATIVE DATA SUMMARY

MEASURING UNIT

Animal

Species	Susceptible Cases	Deaths	Killed and	Slaughtered/ Killed for	Vaccinated
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				Disposed of	commercial use	
coyote (wild)	NEW	-	-	-	-	-
	TOTAL	1	-	1	-	-
virginia opossum (wild)	NEW	1	1	-	-	-
	TOTAL	3	2	1	-	-
gray seal (wild)	NEW	-	-	-	-	-
	TOTAL	1	1	-	-	-
bobcat (wild)	NEW	-	-	-	-	-
	TOTAL	2	-	2	-	-
striped skunk (wild)	NEW	1	1	-	-	-
	TOTAL	5	2	3	-	-
harbor seal (wild)	NEW	-	-	-	-	-
	TOTAL	16	14	2	-	-
raccoon (northern raccoon) (wild)	NEW	-	-	-	-	-
	TOTAL	6	2	1	-	-
bottlenose dolphin (wild)	NEW	-	-	-	-	-
	TOTAL	1	1	-	-	-
red fox (wild)	NEW	1	1	-	-	-
	TOTAL	54	25	14	-	-
amur leopard (wild)	NEW	-	-	-	-	-
	TOTAL	1	1	-	-	-
fisher (wild)	NEW	-	-	-	-	-
	TOTAL	1	-	1	-	-
all species	NEW	3	3	-	-	-
	TOTAL	91	48	25	-	-

DIAGNOSTIC DETAILS

CLINICAL SIGNS

YES

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

Test name	Laboratory	Species sampled	Number of outbreaks sampled	First result date	Latest result date	Result
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	National Veterinary Services Laboratories (NVSL), Ames, Iowa	Gray Seal, Coyote, Red Fox, Raccoon (Northern raccoon), Bobcat, Harbor Seal, Virginia Opossum, Striped Skunk, Fisher, Bottlenose dolphin	76	2022/05/05	2022/08/17	Positive

CONTROL MEASURES

CONTROL MEASURES AT EVENT LEVEL

Disinfection
Official disposal of carcasses, by-products and waste
Surveillance within the restricted zone

DOMESTIC ANIMALS

WILD ANIMALS

Applied
Applied
Applied

NEW OUTBREAKS

OB_108467 - GALLATIN COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/10/20	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Montana	Gallatin	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Gallatin County	45.694 , -111.032 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Wild striped skunk (*Mephitis mephitis*).

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
striped skunk	NEW	-	1	1	-	-	-
(wild) wild	TOTAL	-	1	1	-	-	-

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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OB_108466 - TOMPKINS COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/10/20	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
New York	Tompkins	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Tompkins County	42.455 , -76.501 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Wild red fox (*Vulpes vulpes*).

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (wild)	NEW	-	1	1	-	-	-
wild	TOTAL	-	1	1	-	-	-

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB_108405 - COOK COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/10/04	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Illinois	Cook	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Cook County	41.876 , -87.646 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Wild Virginia opossum (Didelphis virginiana).

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
virginia opossum (wild)	NEW	-	1	1	-	-	-
wild	TOTAL	-	1	1	-	-	-

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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