

## United States of America - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 25

### 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	2022/03/30
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 25	FUR_160253	-	2023/04/06
REPORT STATUS	NO EVOLUTION REPORT		
Validated	-		

### EPIDEMIOLOGY

#### SOURCE OF EVENT OR ORIGIN OF INFECTION

- Contact with wild species
- Unknown or inconclusive

#### EPIDEMIOLOGICAL COMMENTS

Wyoming (WY)- Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a feral domestic cat (*Felis catus*). Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild mountain lion (*Puma concolor*). Nebraska (NE)- Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a domestic cat (*Felis catus*). Alaska (AK)- Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild red fox (*Vulpes vulpes*).

### 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	-	-
cats (domestic)	NEW -	1	-	1	-	-
	TOTAL -	5	1	4	-	-
virginia opossum (wild)	NEW -	-	-	-	-	-
	TOTAL -	3	2	1	-	-
domestic cat (wild)	NEW -	1	1	-	-	-
	TOTAL -	1	1	-	-	-
gray seal (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	1	-	-	-
bobcat (wild)	NEW -	-	-	-	-	-
	TOTAL -	6	4	2	-	-
striped skunk (wild)	NEW -	-	-	-	-	-
	TOTAL 4	29	21	11	-	-
tiger (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	1	-	-	-
harbor seal (wild)	NEW -	-	-	-	-	-
	TOTAL -	16	14	2	-	-
raccoon (northern raccoon) (wild)	NEW -	-	-	-	-	-
	TOTAL -	10	3	4	-	-
puma (wild)	NEW -	1	1	-	-	-
	TOTAL 1	11	12	-	-	-
bottlenose dolphin (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	1	-	-	-
american black bear (black bear) (wild)	NEW -	-	-	-	-	-
	TOTAL -	3	1	2	-	-
brown bear (grizzly bear) (wild)	NEW -	-	-	-	-	-
	TOTAL -	4	3	1	-	-
red fox (wild)	NEW -	1	1	-	-	-
	TOTAL -	61	30	16	-	-
amur leopard (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	1	-	-	-
fisher (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	-	1	-	-
north american river otter (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	1	-	-	-
american marten (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	1	-	-	-
all species	NEW -	4	3	1	-	-
	TOTAL 5	157	98	45	-	-

## DIAGNOSTIC DETAILS

### CLINICAL SIGNS

YES

### METHOD OF DIAGNOSTIC

Clinical,

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	Fisher, Virginia Opossum, Bobcat, American Black Bear (black bear), Red Fox, Puma, North American river otter, Raccoon (Northern raccoon), Amur Leopard, Bottlenose dolphin, Striped Skunk, Harbor Seal, Gray Seal, Tiger, Domestic cat, Coyote, Brown bear (Grizzly Bear), Cats, American marten	129	2022/05/05	2023/04/04	Positive

## CONTROL MEASURES

## CONTROL MEASURES AT EVENT LEVEL

## DOMESTIC ANIMALS

## WILD ANIMALS

Disinfection

Applied

Official disposal of carcasses, by-products and waste

Applied

Surveillance within the restricted zone

Applied

## NEW OUTBREAKS

## OB\_117127 - TETON COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/03/27	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Wyoming	Teton	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Teton County	43.473 , -110.761 (Approximate location)	-	Animal

## AFFECTED POPULATION DESCRIPTION

Wild mountain lion (Puma concolor).

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
puma (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\_117000 - MATANUSKA-SUSITNA BOROUGH

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/03/16	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Alaska	Matanuska-Susitna	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Matanuska-Susitna Borough	61.602 , -149.107 (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\_116999 - BUFFALO COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/03/30	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Nebraska	Buffalo	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Buffalo County	40.689 , -99.082 (Approximate location)	-	Animal

## AFFECTED POPULATION DESCRIPTION

Domestic cat (*Felis catus*). Clinical signs included lethargy and anorexia.

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

## METHOD OF DIAGNOSTIC

Diagnostic test

## CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

## MEASURES NOT IMPLEMENTED

## ADDITIONAL MEASURES

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OB\_116805 - HOT SPRINGS COUNTY

## OUTBREAK REFERENCE

## START DATE

## END DATE

## DETAILED CHARACTERISATION

-

2023/03/22

-

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## FIRST ADMINISTRATIVE DIVISION

SECOND ADMINISTRATIVE  
DIVISIONTHIRD ADMINISTRATIVE  
DIVISION

## EPIDEMIOLOGICAL UNIT

Wyoming

Hot Springs

-

Not applicable

## LOCATION

## Latitude, Longitude

## OUTBREAKS IN CLUSTER

## Measuring unit

Hot Springs County

43.647 , -108.201  
(Approximate location)

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Animal

## AFFECTED POPULATION DESCRIPTION

Feral domestic cat (Felis catus).

Species (latin  
name)Wildlife  
typeSusceptible Cases Deaths Killed and  
Disposed ofSlaughtered/ Killed for  
commercial use

## Vaccinated

domestic cat

NEW

-

1

1

-

-

-

(wild) feral

TOTAL

-

1

1

-

-

-

## METHOD OF DIAGNOSTIC

Diagnostic test

## CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

## MEASURES NOT IMPLEMENTED

## ADDITIONAL MEASURES

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