

## United States of America - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 41

### 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 41	FUR_165752	-	2024/02/16
REPORT STATUS	NO EVOLUTION REPORT		
Validated	-		

### EPIDEMIOLOGY

#### SOURCE OF EVENT OR ORIGIN OF INFECTION

- Contact with wild species
- Unknown or inconclusive

#### EPIDEMIOLOGICAL COMMENTS

Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in three domestic cats (*Felis catus*). The cats were initially screened negative for rabies in 2022 and 2023. Samples were retrospectively tested for HPAI.

### QUANTITATIVE DATA SUMMARY

#### MEASURING UNIT

Animal

Species	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
coyote (wild)	NEW	-	-	-	-	-
	TOTAL	-	1	-	1	-

cats (domestic)	NEW	-	2	-	-	-	-
	TOTAL	-	7	1	4	-	-
virginia opossum (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	4	3	1	-	-
domestic cat (wild)	NEW	-	1	-	-	-	-
	TOTAL	-	6	1	1	-	-
gray seal (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	1	-	-	-
bobcat (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	6	4	2	-	-
striped skunk (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	38	24	13	-	-
tiger (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	1	-	-	-
harbor seal (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	21	19	2	-	-
raccoon (northern raccoon) (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	15	5	4	-	-
puma (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	21	21	-	-	-
bottlenose dolphin (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	1	-	-	-
american black bear (black bear) (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	4	1	3	-	-
brown bear (grizzly bear) (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	4	3	1	-	-
polar bear (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	-	1	-	-	-
red fox (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	85	48	19	-	-
amur leopard (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	1	-	-	-
fisher (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	3	2	1	-	-
north american river otter (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	1	-	-	-
american marten (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	1	-	-	-
abert's squirrel (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	-	-	-	-
all species	NEW	-	3	-	-	-	-
	TOTAL	-	222	139	52	-	-

## DIAGNOSTIC DETAILS

### CLINICAL SIGNS

### METHOD OF DIAGNOSTIC

YES

Diagnostic test,  
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	Bobcat, Domestic cat, American Black Bear (black bear), North American river otter, Harbor Seal, American marten, Fisher, Red Fox, Virginia Opossum, Polar Bear, Tiger, Puma, Cats, Raccoon (Northern raccoon), Brown bear (Grizzly Bear), Coyote, Gray Seal, Amur Leopard, Striped Skunk, Bottlenose dolphin	169	2022/05/05	2024/02/12	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\_131970 - JEFFERSON COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/04/08	2023/06/30	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Montana	Jefferson	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Jefferson County	46.237 , -112.122 (Approximate location)	-	Animal

**AFFECTED POPULATION DESCRIPTION**  
Domestic cat (Felis catus). Screened negative for rabies

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

METHOD OF DIAGNOSTIC

Clinical,  
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

## MEASURES NOT IMPLEMENTED

## ADDITIONAL MEASURES

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## OB\_131947 - TREASURE COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/02/09	2023/06/30	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Montana	Treasure	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Treasure County	46.291 , -107.234 (Approximate location)	-	Animal

## AFFECTED POPULATION DESCRIPTION

Feral domestic cat (Felis catus). Screened negative for rabies

Species	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
domestic cat	NEW	-	1	-	-	-	-
(wild) feral	TOTAL	-	1	-	-	-	-

## METHOD OF DIAGNOSTIC

Diagnostic test,  
Clinical

## CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

## MEASURES NOT IMPLEMENTED

## ADDITIONAL MEASURES

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## OB\_131946 - SANDERS COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/11/12	2022/12/31	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Montana	Sanders	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Sanders County	47.591 , -115.35 (Approximate location)	-	Animal

## AFFECTED POPULATION DESCRIPTION

Domestic cat (Felis catus). Screened negative for rabies

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

## METHOD OF DIAGNOSTIC

Diagnostic test,  
Clinical

## CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

UPDATED OUTBREAKS

OB\_115216 - SALT LAKE COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/02/09	2023/06/30	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Utah	Salt Lake	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Salt Lake County	40.76 , -111.887 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Wild mountain lion (Puma concolor). Note 2024/02/14 : the 'Susceptible' column of quantitative data, initially filled with 1 puma (mountain lion), was left blank. The 1 puma is reported in the 'Cases' column.

Species	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
puma (wild)	NEW	-	-	-	-	-	-
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\_115192 - LARIMER COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/02/21	2023/06/30	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Colorado	Larimer	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Larimer County	40.588 , -105.081 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Wild striped skunks (Mephitis mephitis). Note 2024/02/14 : the 'Susceptible' column of quantitative data, initially filled with 4 striped skunks, was left blank. The 4 striped skunks are reported in the 'Cases' column.

Species	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
striped skunk	NEW	-	-	-	-	-	-
(wild) wild	TOTAL	-	4	3	1	-	-

**METHOD OF DIAGNOSTIC**

Diagnostic test

**CONTROL MEASURES DIFFERENT FROM EVENT LEVEL**

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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