

## United States of America - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 22

### 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 22	FUR_159773	-	2023/03/16
REPORT STATUS	NO EVOLUTION REPORT		
Validated	-		

### EPIDEMIOLOGY

#### SOURCE OF EVENT OR ORIGIN OF INFECTION

- Contact with wild species
- Unknown or inconclusive

#### EPIDEMIOLOGICAL COMMENTS

Kansas (KS)- Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild striped skunk (*Mephitis mephitis*). Montana (MT)- Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in two wild striped skunks (*Mephitis mephitis*) and one wild racoon (*Procyon lotor*).

### 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 -	-	-	-	-	-
	TOTAL -	4	1	3	-	-
virginia opossum (wild)	NEW -	-	-	-	-	-
	TOTAL -	3	2	1	-	-
gray seal (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	1	-	-	-
bobcat (wild)	NEW -	-	-	-	-	-
	TOTAL -	6	4	2	-	-
striped skunk (wild)	NEW -	3	2	1	-	-
	TOTAL 4	25	20	8	-	-
tiger (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	1	-	-	-
harbor seal (wild)	NEW -	-	-	-	-	-
	TOTAL -	16	14	2	-	-
raccoon (northern	NEW -	1	-	1	-	-
raccoon) (wild)	TOTAL -	10	3	4	-	-
puma (wild)	NEW -	-	-	-	-	-
	TOTAL 1	8	9	-	-	-
bottlenose dolphin (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	1	-	-	-
american black bear	NEW -	-	-	-	-	-
(black bear) (wild)	TOTAL -	3	1	2	-	-
brown bear (grizzly bear)	NEW -	-	-	-	-	-
(wild)	TOTAL -	4	3	1	-	-
red fox (wild)	NEW -	-	-	-	-	-
	TOTAL -	60	29	16	-	-
amur leopard (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	1	-	-	-
fisher (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	-	1	-	-
north american river otter	NEW -	-	-	-	-	-
(wild)	TOTAL -	1	1	-	-	-
all species	NEW -	4	2	2	-	-
	TOTAL 5	146	91	41	-	-

## 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	National Veterinary Services	Harbor Seal, Coyote, Raccoon (Northern raccoon), Virginia Opossum, Brown bear (Grizzly	119	2022/05/05	2023/03/13	Positive

reaction (rRT-PCR)	Laboratories (NVSL), Ames, Iowa	Bear), North American river otter, Tiger, Puma, Gray Seal, Red Fox, Cats, American Black Bear (black bear), Fisher, Amur Leopard, Bottlenose dolphin, Striped Skunk, Bobcat
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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\_115595 - LINCOLN COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/02/24	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Nebraska	Lincoln	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Lincoln County	41.134 , -100.751 (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 (wild)	NEW	-	1	1	-	-	-
wild	TOTAL	-	1	1	-	-	-

**METHOD OF DIAGNOSTIC**  
 Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB\_115799 - LAKE COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/02/28	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Montana	Lake	-	Not applicable

LOCATION	Latitude, Longitude		OUTBREAKS IN CLUSTER			Measuring unit	
Lake County	47.693 , -114.166 (Approximate location)		-			Animal	
AFFECTED POPULATION DESCRIPTION							
Wild racoon (Procyon lotor). Clinical signs included neurologic abnormalities.							
Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
racoon (northern	NEW	-	1	-	1	-	-
raccoon) (wild) wild	TOTAL	-	1	-	1	-	-
METHOD OF DIAGNOSTIC							
Diagnostic test							
CONTROL MEASURES DIFFERENT FROM EVENT LEVEL							
MEASURES NOT IMPLEMENTED				ADDITIONAL MEASURES			
-				-			
OB_115798 - CUSTER COUNTY							
OUTBREAK REFERENCE		START DATE		END DATE		DETAILED CHARACTERISATION	
-		2023/02/28		-		-	
FIRST ADMINISTRATIVE DIVISION		SECOND ADMINISTRATIVE DIVISION		THIRD ADMINISTRATIVE DIVISION		EPIDEMIOLOGICAL UNIT	
Montana		Custer		-		Not applicable	
LOCATION		Latitude, Longitude		OUTBREAKS IN CLUSTER		Measuring unit	
Custer County		46.41 , -105.843 (Approximate location)		-		Animal	
AFFECTED POPULATION DESCRIPTION							
Two wild striped skunks (Mephitis mephitis). Clinical signs included lethargic behavior.							
Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
striped skunk	NEW	-	2	1	1	-	-
(wild) wild	TOTAL	-	2	1	1	-	-
METHOD OF DIAGNOSTIC							
Diagnostic test							
CONTROL MEASURES DIFFERENT FROM EVENT LEVEL							
MEASURES NOT IMPLEMENTED				ADDITIONAL MEASURES			
-				-			