

United States of America - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 21

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 21	FUR_159676	-	2023/03/09
REPORT STATUS	NO EVOLUTION REPORT		
Validated	-		

EPIDEMIOLOGY

SOURCE OF EVENT OR ORIGIN OF INFECTION

- Contact with wild species
- Unknown or inconclusive

EPIDEMIOLOGICAL COMMENTS

Colorado (CO)- Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in four wild striped skunks (*Mephitis mephitis*). New York (NY)- Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild striped skunk (*Mephitis mephitis*). Utah (UT)- Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild mountain lion (*Puma concolor*). Wyoming (WY)- Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a second wild mountain lion (*Puma concolor*) in Bighorn County.

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	4	1	3	2	-	-
	TOTAL	4	22	18	7	-	-
tiger (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	1	-	-	-
harbor seal (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	16	14	2	-	-
raccoon (northern raccoon) (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	9	3	3	-	-
puma (wild)	NEW	1	1	2	-	-	-
	TOTAL	1	8	9	-	-	-
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	-	-	-	-	-	-
	TOTAL	-	60	29	16	-	-
amur leopard (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	1	-	-	-
fisher (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	-	1	-	-
north american river otter (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	1	-	-	-
all species	NEW	5	2	5	2	-	-
	TOTAL	5	142	89	39	-	-

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
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Real-time reverse transcription polymerase chain reaction (rRT-PCR)	National Veterinary Services Laboratories (NVSL), Ames, Iowa	American Black Bear (black bear), 116 Amur Leopard, North American river otter, Bottlenose dolphin, Coyote, Puma, Brown bear (Grizzly Bear), Red Fox, Harbor Seal, Virginia Opossum, Cats, Tiger, Bobcat, Striped Skunk, Gray Seal, Raccoon (Northern raccoon), Fisher	2022/05/05 2023/03/02 Positive
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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_115216 - SALT LAKE COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/02/09	-	-
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).

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
-	-

OB_115209 - TOMPKINS COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/02/20	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE	THIRD ADMINISTRATIVE	EPIDEMIOLOGICAL UNIT

New York	DIVISION Tompkins	DIVISION -	Not applicable
LOCATION Tompkins County	Latitude, Longitude 42.442 , -76.499 (Approximate location)	OUTBREAKS IN CLUSTER -	Measuring unit Animal

AFFECTED POPULATION DESCRIPTION

Wild striped skunk (Mephitis mephitis). Clinical signs included abnormal behavior.

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_115192 - LARIMER COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/02/21	-	-
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).

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

OB_114650 - BIG HORN COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/02/03	-	-

FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT				
Wyoming	Big Horn	-	Not applicable				
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit				
Big Horn County	44.488 , -108.047 (Approximate location)	-	Animal				
AFFECTED POPULATION DESCRIPTION							
Two wild mountain lions (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	-	2	2	-	-	-
METHOD OF DIAGNOSTIC							
Diagnostic test							
CONTROL MEASURES DIFFERENT FROM EVENT LEVEL							
MEASURES NOT IMPLEMENTED				ADDITIONAL MEASURES			
-				-			