

United States of America - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 39

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 39	FUR_164340	-	2023/12/19
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 a wild Abert's squirrel (*Sciurus aberti*) in Arizona (AZ). Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild, free-ranging polar bear (*Ursus maritimus*) in Alaska (AK).

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	-	5	1	4	-
virginia opossum (wild)	NEW	-	-	-	-	-
	TOTAL	-	4	3	1	-
domestic cat (wild)	NEW	-	-	-	-	-
	TOTAL	-	5	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	-	14	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	-	-	1	-	-
	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	-	1	-	-	-
	TOTAL	-	1	-	-	-
all species	NEW	-	1	1	-	-
	TOTAL	-	218	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	Domestic cat, Bobcat, Cats, Red Fox, American Black Bear (black bear), Gray Seal, Fisher, Brown bear (Grizzly Bear), Puma, North American river otter, Harbor Seal, Striped Skunk, American marten, Virginia Opossum, Bottlenose dolphin, Amur Leopard, Coyote, Polar Bear, Sciuridae (unidentified), Raccoon (Northern raccoon), Tiger	165	2022/05/05	2023/12/13	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_129000 - NAVAJO COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/08/26	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Arizona	Navajo	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Navajo County	34.87 , -110.156 (Approximate location)	-	Animal
AFFECTED POPULATION DESCRIPTION			
Wild Abert's squirrel (Sciurus aberti).			

Species	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
abert's squirrel (wild)	NEW	-	1	-	-	-	-
wild	TOTAL	-	1	-	-	-	-

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_128760 - NORTH SLOPE BOROUGH

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/08/27	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Alaska	North Slope	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
North Slope Borough	71.292 , -156.782 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION
 Wild immature male polar bear (Ursus maritimus). The bear was found dead.

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

METHOD OF DIAGNOSTIC
 Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-