

United States of America - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 38

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 38	FUR_164174	-	2023/12/05
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 feral domestic cats (*Felis catus*) sampled on HPAI affected premises in Montana (MT) and South Dakota (SD).

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 -	4	-	1	-	-
	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	NEW -	-	-	-	-	-
raccoon) (wild)	TOTAL -	14	5	4	-	-
puma (wild)	NEW -	-	-	-	-	-
	TOTAL -	21	21	-	-	-
bottlenose dolphin (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	1	-	-	-
american black bear	NEW -	-	-	-	-	-
(black bear) (wild)	TOTAL -	4	1	3	-	-
brown bear (grizzly bear)	NEW -	-	-	-	-	-
(wild)	TOTAL -	4	3	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	NEW -	-	-	-	-	-
(wild)	TOTAL -	1	1	-	-	-
american marten (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	1	-	-	-
all species	NEW -	4	-	1	-	-
	TOTAL -	217	138	52	-	-

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	National	Domestic cat, Fisher, Bobcat,	163	2022/05/05	2023/11/29	Positive

reverse transcription polymerase chain reaction (rRT-PCR)	Veterinary Services Laboratories (NVSL), Ames, Iowa	Brown bear (Grizzly Bear), Cats, Raccoon (Northern raccoon), Tiger, North American river otter, Harbor Seal, Gray Seal, American marten, Puma, Bottlenose dolphin, Virginia Opossum, Coyote, American Black Bear (black bear), Striped Skunk, Red Fox, Amur Leopard
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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_128494 - JERAULD COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/10/07	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
South Dakota	Jerauld	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Jerauld County	44.079 , -98.569 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Feral domestic cats (Felis catus). Cats were sampled on an HPAI affected poultry premises.

Species	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
domestic cat	NEW	-	3	-	-	-	-
(wild) feral	TOTAL	-	3	-	-	-	-

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_128403 - MISSOULA COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/11/22	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE	THIRD ADMINISTRATIVE	EPIDEMIOLOGICAL UNIT

Montana	DIVISION		DIVISION				
	Missoula	-	Backyard				
LOCATION	Latitude, Longitude		OUTBREAKS IN CLUSTER	Measuring unit			
Missoula County	46.873 , -114.0 (Approximate location)		-	Animal			
AFFECTED POPULATION DESCRIPTION							
Feral domestic cat (Felis catus) found in a chicken coop on an HPAI affected premises. The cat was exhibiting neurologic signs.							
Species	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
domestic cat	NEW	-	1	-	1	-	-
(wild) feral	TOTAL	-	1	-	1	-	-
METHOD OF DIAGNOSTIC							
Diagnostic test, Clinical							
CONTROL MEASURES DIFFERENT FROM EVENT LEVEL							
MEASURES NOT IMPLEMENTED				ADDITIONAL MEASURES			
-				-			