

United States of America - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 20

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 20	FUR_159512	-	2023/03/03
REPORT STATUS	NO EVOLUTION REPORT		
Validated	-		

EPIDEMIOLOGY

SOURCE OF EVENT OR ORIGIN OF INFECTION

- Contact with wild species
- Unknown or inconclusive

EPIDEMIOLOGICAL COMMENTS

Wyoming (WY)- Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in two wild mountain lions (*Puma concolor*). Montana (MT)- Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild racoon (*Procyon lotor*). Wisconsin (WI)- Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild North American river otter (*Lontra canadensis*). Colorado (CO)- Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild mountain lion (*Puma concolor*) and a wild bobcat (*Lynx rufus*).

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	-	1	1	-	-	-
	TOTAL	-	6	4	2	-	-
striped skunk (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	21	15	5	-	-
tiger (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	1	-	-	-
harbor seal (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	16	14	2	-	-
raccoon (northern raccoon) (wild)	NEW	-	1	-	1	-	-
	TOTAL	-	9	3	3	-	-
puma (wild)	NEW	-	3	3	-	-	-
	TOTAL	-	7	7	-	-	-
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	-	1	1	-	-	-
	TOTAL	-	1	1	-	-	-
all species	NEW	-	6	5	1	-	-
	TOTAL	-	140	84	37	-	-

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	Amur Leopard, Bobcat, Striped Skunk, American Black Bear (black bear), Brown bear (Grizzly Bear), Tiger, Coyote, Virginia Opossum, North American river otter, Cats, Gray Seal, Raccoon (Northern raccoon), Harbor Seal, Red Fox, Bottlenose dolphin, Fisher, Puma	113	2022/05/05	2023/02/28	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_114837 - NATRONA COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/02/03	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Wyoming	Natrona	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Natrona County	42.852 , -106.326 (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
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OB_114836 - JEFFERSON COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/02/14	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE	THIRD ADMINISTRATIVE	EPIDEMIOLOGICAL UNIT

Colorado	DIVISION Jefferson	DIVISION -	Not applicable
LOCATION Jefferson County	Latitude, Longitude 39.728 , -105.202 (Approximate location)	OUTBREAKS IN CLUSTER -	Measuring unit Animal

AFFECTED POPULATION DESCRIPTION

Wild bobcat (Lynx rufus).

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
bobcat (wild)	NEW	-	1	1	-	-	-
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_114834 - GRAND COUNTY

OUTBREAK REFERENCE -	START DATE 2023/02/13	END DATE -	DETAILED CHARACTERISATION -
FIRST ADMINISTRATIVE DIVISION Colorado	SECOND ADMINISTRATIVE DIVISION Grand	THIRD ADMINISTRATIVE DIVISION -	EPIDEMIOLOGICAL UNIT Not applicable
LOCATION Grand County	Latitude, Longitude 40.072 , -106.109 (Approximate location)	OUTBREAKS IN CLUSTER -	Measuring unit 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
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OB_114833 - WINNEBAGO COUNTY

OUTBREAK REFERENCE -	START DATE 2022/11/01	END DATE -	DETAILED CHARACTERISATION -
FIRST ADMINISTRATIVE DIVISION Wisconsin	SECOND ADMINISTRATIVE DIVISION Winnebago	THIRD ADMINISTRATIVE DIVISION -	EPIDEMIOLOGICAL UNIT Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit

Winnebago County	44.018 , -88.538 (Approximate location)	-	Animal
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AFFECTED POPULATION DESCRIPTION

Wild northern river otter (Lontra canadensis).

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
north american river otter (wild)	NEW	-	1	1	-	-	-
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_114832 - SANDERS COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/02/09	-	-
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	47.595 , -115.35 (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 raccoon) (wild)	NEW	-	1	-	1	-	-
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_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

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
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