

United States of America - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 13

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	2022/04/09
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 13	FUR_158201	-	2023/01/13
REPORT STATUS	NO EVOLUTION REPORT		
Validated	-		

EPIDEMIOLOGY

SOURCE OF EVENT OR ORIGIN OF INFECTION

- Contact with wild species
- Unknown or inconclusive

EPIDEMIOLOGICAL COMMENTS

Oregon (OR)-Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in six wild striped skunks (*Mephitis mephitis*) in Columbia County, OR. Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild racoon (*Procyon lotor*) in Curry County, OR. Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a domestic cat (*Felis catus*) in Linn County, OR. Cats were housed adjacent to HPAI positive chickens (WOAH non-poultry). Alaska (AK)-Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild Kodiak brown bear (*Ursus arctos middendorffi*) on Kodiak Island, AK. Montana (MT)-Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild grizzly bear (*Ursus arctos horribilis*) in Teton County, MT. Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild red fox (*Vulpes vulpes*) in Madison County, MT. Nebraska (NE)-Highly pathogenic avian influenza (HPAI) H5N1 Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a captive wild grizzly bear (*Ursus arctos horribilis*); captive wild Amur tiger (*Panthera tigris*); and captive wild mountain lion (*Puma concolor*) at a zoo facility. Note: To protect data confidentiality, the location used for this outbreak is that of the Nebraska Veterinary Diagnostic Center, where the

animals' samples were initially tested. Washington (WA)-Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild racoon (*Procyon lotor*) in Island County, WA. South Dakota (SD)-Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a wild red fox (*Vulpes vulpes*) in Spink County, 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	-	2	1	1	-	-
	TOTAL	-	2	1	1	-	-
virginia opossum (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	3	2	1	-	-
gray seal (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	1	-	-	-
bobcat (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	2	-	2	-	-
striped skunk (wild)	NEW	-	6	6	-	-	-
	TOTAL	-	17	12	4	-	-
tiger (wild)	NEW	-	1	1	-	-	-
	TOTAL	-	1	1	-	-	-
harbor seal (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	16	14	2	-	-
raccoon (northern raccoon) (wild)	NEW	-	2	1	1	-	-
	TOTAL	-	8	3	2	-	-
puma (wild)	NEW	-	1	1	-	-	-
	TOTAL	-	1	1	-	-	-
bottlenose dolphin (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	1	-	-	-
american black bear (black bear) (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	-	1	-	-
brown bear (grizzly bear) (wild)	NEW	-	3	3	-	-	-
	TOTAL	-	3	3	-	-	-
red fox (wild)	NEW	-	2	1	1	-	-
	TOTAL	-	55	25	15	-	-
amur leopard (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	1	-	-	-
fisher (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	-	1	-	-
all species	NEW	-	17	14	3	-	-
	TOTAL	-	114	65	30	-	-

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 reaction (rRT-PCR)	National Veterinary Services Laboratories (NVSL), Ames, Iowa	Cats, Virginia Opossum, Coyote, Gray Seal, Bobcat, Striped Skunk, Raccoon (Northern raccoon), Tiger, American Black Bear (black bear), Puma, Harbor Seal, Red Fox, Bottlenose dolphin, Brown bear (Grizzly Bear), Fisher, Amur Leopard	89	2022/05/05	2023/01/09	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_110100 - TETON COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/10/29	-	-

FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Montana	Teton	-	Not applicable

LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Teton County	47.811 , -112.182 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Wild grizzly bear (*Ursus arctos horribilis*).

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

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB_112083 - SPINK COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/12/07	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
South Dakota	Spink	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Spink County	44.875 , -98.514 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTIONWild red fox (*Vulpes vulpes*).

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (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_111891 - LINN COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/12/16	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Oregon	Linn	-	Backyard
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Linn County	44.634 , -123.106 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Domestic cats (*Felis catus*) at a backyard premises. Clinical signs included labored breathing, anorexia, depression and dehydration. Cats were housed adjacent to HPAI positive domestic chickens (WOAH non-poultry premises). Highly pathogenic avian influenza (HPAI) H5, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed on swabs taken from both cats. N1 was confirmed on one cat but N typing could not be confirmed on the second cat.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
cats (domestic)	NEW	-	2	1	1	-	-
	TOTAL	-	2	1	1	-	-

METHOD OF DIAGNOSTICDiagnostic test,
Clinical

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB_111889 - CURRY COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/12/19	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Oregon	Curry	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Curry County	42.417 , -124.42 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Wild racoon (Procyon lotor). Clinical signs included neurologic signs.

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 DIAGNOSTICClinical,
Diagnostic test**CONTROL MEASURES DIFFERENT FROM EVENT LEVEL**

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB_111888 - NEBRASKA

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/04/20	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Nebraska	Lancaster	-	Zoo
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Nebraska	40.833 , -96.663 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Captive wild grizzly bear (Ursus arctos horribilis); captive wild Amur tiger (Panthera tigris); captive wild mountain lion (Puma concolor) at a zoo facility. Clinical signs included sudden death (mountain lion) and neurologic signs (grizzly bear). Note: To protect data confidentiality, the location used for this outbreak is that of the Nebraska Veterinary Diagnostic Center, where the animals' samples were initially tested.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
tiger (wild) captive	NEW	-	1	1	-	-	-
	TOTAL	-	1	1	-	-	-
puma (wild) captive	NEW	-	1	1	-	-	-
	TOTAL	-	1	1	-	-	-
brown bear (grizzly	NEW	-	1	1	-	-	-

bear) (wild) captive	TOTAL	-	1	1	-	-	-
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METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_111890 - ISLAND COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/12/07	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Washington	Island	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Island County	48.217 , -122.686 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Wild racoon (Procyon lotor).

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
racoon (northern	NEW	-	1	1	-	-	-
racoon) (wild) wild	TOTAL	-	1	1	-	-	-

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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OB_110460 - MADISON COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/12/02	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Montana	Madison	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Madison County	45.294 , -111.944 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Wild red fox (Vulpes vulpes).

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
red fox (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_110099 - KODIAK ISLAND

OUTBREAK REFERENCE

-

START DATE

2022/11/29

END DATE

-

DETAILED CHARACTERISATION

-

FIRST ADMINISTRATIVE DIVISION

Alaska

SECOND ADMINISTRATIVE DIVISION

Kodiak Island

THIRD ADMINISTRATIVE DIVISION

-

EPIDEMIOLOGICAL UNIT

Not applicable

LOCATION

Kodiak Island

Latitude, Longitude57.788 , -152.404
(Approximate location)**OUTBREAKS IN CLUSTER**

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Measuring unit

Animal

AFFECTED POPULATION DESCRIPTIONWild Kodiak brown bear (*Ursus arctos middendorffi*).**Species (latin name)****Wildlife type****Susceptible****Cases****Deaths****Killed and Disposed of****Slaughtered/ Killed for commercial use****Vaccinated**

brown bear (grizzly bear) (wild)

NEW
TOTAL-
-1
11
1-
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-**METHOD OF DIAGNOSTIC**

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB_110098 - COLUMBIA COUNTY

OUTBREAK REFERENCE

-

START DATE

2022/11/28

END DATE

-

DETAILED CHARACTERISATION

-

FIRST ADMINISTRATIVE DIVISION

Oregon

SECOND ADMINISTRATIVE DIVISION

Columbia

THIRD ADMINISTRATIVE DIVISION

-

EPIDEMIOLOGICAL UNIT

Not applicable

LOCATION

Columbia County

Latitude, Longitude45.855 , -122.814
(Approximate location)**OUTBREAKS IN CLUSTER**

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Measuring unit

Animal

AFFECTED POPULATION DESCRIPTIONWild striped skunks (*Mephitis mephitis*).**Species (latin name)****Wildlife type****Susceptible****Cases****Deaths****Killed and Disposed of****Slaughtered/ Killed for commercial use****Vaccinated**

striped skunk (wild)

NEW
TOTAL-
-6
66
6-
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-**METHOD OF DIAGNOSTIC**

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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