United States of America - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 4

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	-	-	On-going

END DATE	SELF-DECLARATION
-	NO

REPORT INFORMATION

REPORT NUMBER	REPORT ID	REPORT REFERENCE	REPORT DATE
Follow-up report 4	FUR_156029	-	2022/07/05

REPORT STATUS	NO EVOLUTION REPORT
Validated	-

EPIDEMIOLOGY

SOURCE OF EVENT OR ORIGIN OF INFECTION

- Contact with wild species
- Unknown or inconclusive

EPIDEMIOLOGICAL COMMENTS

--Minnesota (MN)--Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in two red foxes from Dakota and Hennepin Counties, MN. Clinical signs included mild neurologic signs and tremors. Both affected animals were euthanized. Utah (UT)--Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a red fox from Salt Lake County, UT. Clinical signs included erratic behavior and difficulty walking. The affected animal has since died. Michigan (MI)--Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in five red foxes from Bay, Gladwin, Chippewa and Muskegon Counties, MI. Clinical signs included lethargy, inability to stand, lack of fear towards humans, neurologic signs and death. Three of the affected animals died and two were euthanized. Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a raccoon from Iron County, MI. The affected animal was found sick and euthanized. Idaho (ID)--Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a striped skunk from Latah County, ID. Clinical signs included tremors, recumbency, paddling and open-mouth breathing. The affected animal was euthanized. Alaska (AK)--Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a red fox from Denali Borough, AK. The affected animal was found dead.

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	-	-
virginia opossum (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	2	1	1	-	-
bobcat (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	2	-	2	-	-
striped skunk (wild)	NEW	-	1	-	1	-	-
	TOTAL	-	1	-	1	-	-
racoon (northern raccoon) (wild)	NEW	-	1	-	1	-	-
	TOTAL	-	5	2	1	-	-
red fox (wild)	NEW	-	9	5	4	-	-
	TOTAL	-	48	20	14	-	-
all species	NEW	-	11	5	6	-	-
	TOTAL	-	59	23	20	-	-

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	Striped Skunk, Bobcat, Virginia Opossum, Racoon (Northern raccoon), Coyote, Red Fox	50	2022/05/05	2022/06/28	Positive

CONTROL MEASURES

CONTROL MEASURES AT EVENT LEVEL	DOMESTIC ANIMALS	WILD ANIMALS
Surveillance within the restricted zone		Applied
Official disposal of carcasses, by-products and waste		Applied
Disinfection		Applied

NEW OUTBREAKS

OB_104529 - DENALI BOROUGH

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/06/15	-	-

FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Alaska	Denali	-	Not applicable

LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Denali Borough	64.205 , -149.273 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

--Wild red fox kit (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,
Clinical

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_104528 - CHIPPEWA COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/05/31	-	-

FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Michigan	Chippewa	-	Not applicable

LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Chippewa County	46.47 , -84.383 (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

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_104527 - IRON COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/06/20	-	-
FIRST ADMINISTRATIVE DIVISION	**SECOND ADMINISTRATIVE DIVISION**	**THIRD ADMINISTRATIVE DIVISION**	**EPIDEMIOLOGICAL UNIT**
Michigan	Iron	-	Not applicable
LOCATION	**Latitude, Longitude**	**OUTBREAKS IN CLUSTER**	**Measuring unit**
Iron County	46.108 , -88.318 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

--Wild Raccoon (Procyon lotor).

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

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_104526 - LATAH COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/06/05	-	-
FIRST ADMINISTRATIVE DIVISION	**SECOND ADMINISTRATIVE DIVISION**	**THIRD ADMINISTRATIVE DIVISION**	**EPIDEMIOLOGICAL UNIT**
Idaho	Latah	-	Not applicable
LOCATION	**Latitude, Longitude**	**OUTBREAKS IN CLUSTER**	**Measuring unit**
Latah County	46.732 , -117.021 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

--Captive wild Striped skunk (Mephitis mephitis) at a rehabilitation facility.

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

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_104525 - MUSKEGON COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/06/08	-	-
FIRST ADMINISTRATIVE DIVISION	**SECOND ADMINISTRATIVE DIVISION**	**THIRD ADMINISTRATIVE DIVISION**	**EPIDEMIOLOGICAL UNIT**
Michigan	Muskegon	-	Not applicable
LOCATION	**Latitude, Longitude**	**OUTBREAKS IN CLUSTER**	**Measuring unit**
Muskegon County	43.265 , -86.229 (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

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_104519 - HENNEPIN COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/05/10	-	-
FIRST ADMINISTRATIVE DIVISION	**SECOND ADMINISTRATIVE DIVISION**	**THIRD ADMINISTRATIVE DIVISION**	**EPIDEMIOLOGICAL UNIT**
Minnesota	Hennepin	-	Other
LOCATION	**Latitude, Longitude**	**OUTBREAKS IN CLUSTER**	**Measuring unit**
Hennepin County	44.922 , -93.236 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

--Captive wild Red fox (Vulpes vulpes) at a rehabilitation facility.

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

METHOD OF DIAGNOSTIC

Diagnostic test,
Clinical

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_104520 - DAKOTA COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/05/10	-	-
FIRST ADMINISTRATIVE DIVISION	**SECOND ADMINISTRATIVE DIVISION**	**THIRD ADMINISTRATIVE DIVISION**	**EPIDEMIOLOGICAL UNIT**
Minnesota	Dakota	-	Other
LOCATION	**Latitude, Longitude**	**OUTBREAKS IN CLUSTER**	**Measuring unit**
Dakota County	44.739 , -92.838 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

--Captive wild Red fox (Vulpes vulpes) at a rehabilitation facility.

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

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_104521 - SALT LAKE COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/05/26	-	-
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	40.787 , -111.949 (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) wild	NEW	-	1	1	-	-	-
	TOTAL	-	1	1	-	-	-

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_104522 - BAY COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/05/15	-	-
FIRST ADMINISTRATIVE DIVISION	**SECOND ADMINISTRATIVE DIVISION**	**THIRD ADMINISTRATIVE DIVISION**	**EPIDEMIOLOGICAL UNIT**
Michigan	Bay	-	Not applicable
LOCATION	**Latitude, Longitude**	**OUTBREAKS IN CLUSTER**	**Measuring unit**
Bay County	43.597 , -83.899 (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, Clinical

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_104523 - GLADWIN COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/05/14	-	-
FIRST ADMINISTRATIVE DIVISION	**SECOND ADMINISTRATIVE DIVISION**	**THIRD ADMINISTRATIVE DIVISION**	**EPIDEMIOLOGICAL UNIT**
Michigan	Gladwin	-	Not applicable
LOCATION	**Latitude, Longitude**	**OUTBREAKS IN CLUSTER**	**Measuring unit**
Gladwin County	43.981 , -84.502 (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, Clinical

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_104524 - BAY COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/05/18	-	-
FIRST ADMINISTRATIVE DIVISION	**SECOND ADMINISTRATIVE DIVISION**	**THIRD ADMINISTRATIVE DIVISION**	**EPIDEMIOLOGICAL UNIT**
Michigan	Bay	-	Not applicable
LOCATION	**Latitude, Longitude**	**OUTBREAKS IN CLUSTER**	**Measuring unit**
Bay County	43.596 , -83.86 (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) wild	NEW	-	1	1	-	-	-
	TOTAL	-	1	1	-	-	-

METHOD OF DIAGNOSTIC

Diagnostic test, Clinical

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-