

United States of America - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 46

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 46	FUR_166872	-	2024/04/11
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 has been confirmed in samples from dairy cattle in Idaho (ID), Kansas (KS), Michigan (MI), New Mexico (NM), North Carolina (NC), Ohio (OH), South Dakota (SD) and Texas (TX). Updates to the detections of highly pathogenic avian influenza (HPAI) in livestock can be found at: <https://www.aphis.usda.gov/livestock-poultry-disease/avian/avian-influenza/hpai-detections/livestock>. Wildlife detections unrelated to these livestock detections are reported from Missouri (MO), Kentucky (KY) and New York (NY).

QUANTITATIVE DATA SUMMARY

MEASURING UNIT

Animal

Species	Susceptible	Cases	Deaths	Killed and	Slaughtered/ Killed for	Vaccinated
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		Disposed of			commercial use	
coyote (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	-	1	-	-
cats (domestic)	NEW -	-	-	-	-	-
	TOTAL -	7	1	4	-	-
virginia opossum (wild)	NEW -	-	-	-	-	-
	TOTAL -	4	3	1	-	-
domestic cat (wild)	NEW -	-	-	-	-	-
	TOTAL -	6	1	1	-	-
goats (domestic)	NEW -	-	-	-	-	-
	TOTAL 165	5	5	-	-	-
gray seal (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	1	-	-	-
bobcat (wild)	NEW -	-	-	-	-	-
	TOTAL -	7	5	2	-	-
striped skunk (wild)	NEW -	-	-	-	-	-
	TOTAL -	42	27	14	-	-
american mink (wild)	NEW -	1	-	-	-	-
	TOTAL -	1	-	-	-	-
tiger (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	1	-	-	-
harbor seal (wild)	NEW -	-	-	-	-	-
	TOTAL -	21	19	2	-	-
raccoon (northern raccoon) (wild)	NEW -	1	-	-	-	-
	TOTAL -	16	5	4	-	-
puma (wild)	NEW -	-	-	-	-	-
	TOTAL -	22	22	-	-	-
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 -	-	-	-	-	-
	TOTAL -	-	1	-	-	-
red fox (wild)	NEW -	1	-	-	-	-
	TOTAL -	86	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 -	-	-	-	-	-
	TOTAL -	1	-	-	-	-

bovine (domestic)	NEW	-	-	-	-	-
	TOTAL	-	9	0	0	0
all species	NEW	-	3	-	-	-
	TOTAL	165	245	149	53	0

DIAGNOSTIC DETAILS

CLINICAL SIGNS			METHOD OF DIAGNOSTIC			
YES			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	Bobcat, Domestic cat, Fisher, Cats, Brown bear (Grizzly Bear), American Black Bear (black bear), Red Fox, Tiger, Gray Seal, North American river otter, Bottlenose dolphin, Virginia Opossum, American marten, Striped Skunk, Abert's squirrel, Harbor Seal, Goats, Raccoon (Northern raccoon), Amur Leopard, Polar Bear, Coyote, Puma, American Mink, Bovine	201	2022/05/05	2024/04/09	Positive

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_133964 - SD 001 - BROWN COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
SD 001	2024/03/29	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
South Dakota	Brown	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Brown County	45.465 , -98.487 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION
A commercial dairy premises. Clinical sign in lactating cattle included a drop in milk production.

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

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_133966 - TX 003 - HALE COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
TX 003	2024/03/14	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Texas	Hale	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Hale County	34.185 , -101.701 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical sign in lactating cattle included a drop in milk production, decreased feed consumption, pyrexia and increased somatic cell counts.

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

METHOD OF DIAGNOSTIC

Diagnostic test,
Clinical

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_133965 - NC 001 - NORTH CAROLINA

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
NC 001	2024/04/04	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
North Carolina	Wake	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
North Carolina	35.776 , -78.64 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. In order to protect data confidentiality, the second administrative division represents the approximate location of the laboratory that conducted the initial testing.

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

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_133967 - NM 006 - CURRY COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
NM 006	2024/04/01	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
New Mexico	Curry	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Curry County	34.403 , -103.197 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs in lactating cattle included mastitis.

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

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_133963 - TX 011 - CASTRO COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
TX 011	2024/03/10	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Texas	Castro	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Castro County	34.551 , -102.311 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical sign in lactating cattle included a drop in milk production and loose manure.

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

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_133962 - TX 010 - DALLAM COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
TX 010	2024/03/15	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Texas	Dallam	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Dallam County	36.062 , -102.519 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical sign in lactating cattle included a drop in milk production.

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

METHOD OF DIAGNOSTIC

Diagnostic test,
Clinical

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_133961 - NM 005 - CURRY COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
NM 005	2024/04/01	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
New Mexico	Curry	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Curry County	34.403 , -103.198 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical sign in lactating cattle included a drop in milk production.

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

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_133960 - NM 004 - CURRY COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
NM 004	2024/03/29	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
New Mexico	Curry	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Curry County	34.403 , -103.199 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical sign in lactating cattle included a drop in milk production.

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

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_133959 - NM 003 - CURRY COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
NM 003	2024/03/28	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
New Mexico	Curry	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Curry County	34.403 , -103.2 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical sign in lactating cattle included a drop in milk production.

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

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_133958 - MI 002 - MONTCALM COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
MI 002	2024/03/30	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Michigan	Montcalm	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Montcalm County	43.292 , -85.082 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs in lactating cattle included decreased milk production and fever.

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

METHOD OF DIAGNOSTIC

Diagnostic test,
Clinical

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_133957 - OH 001 - WOOD COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
OH 001	2024/03/27	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Ohio	Wood	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Wood County	41.377 , -83.648 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs in lactating cattle included decreased feed consumption, drop in milk production and

yellow/thickened milk.

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

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_133954 - JACKSON COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2024/01/16	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Missouri	Jackson	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Jackson County	39.1 , -94.578 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Wild red fox (Vulpes vulpes). Samples were collected as part of a morbidity / mortality investigation.

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

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_133950 - BOURBON COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2024/03/11	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Kentucky	Bourbon	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Bourbon County	38.213 , -84.25 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Wild mink (Neovison vison). Samples were collected as part of a morbidity / mortality investigation.

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

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_133945 - GREENE COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2024/03/06	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
New York	Greene	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Greene County	42.217 , -73.864 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Wild racoon (Procyon lotor).

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

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

UPDATED OUTBREAKS

OB_133113 - STEVENS COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2024/02/24	2024/03/26	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Minnesota	Stevens	-	Backyard
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Stevens County	45.587 , -95.909	-	Animal

(Approximate location)

AFFECTED POPULATION DESCRIPTION

Domestic neonatal goats (Capra hircus) with close contact to HPAI infected birds on an HPAI affected WOAHP non-poultry premises. Clinical signs included neurologic deficits and death. Quarantine was released on 26 Mar 2024.

Species	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
goats	NEW	-	-	-	-	-	-
(domestic)	TOTAL	165	5	5	-	-	-

METHOD OF DIAGNOSTIC

Diagnostic test,
Clinical

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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Disinfection	Quarantine
Official disposal of carcasses, by-products and waste	
Surveillance within the restricted zone	