

United States of America - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 47

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 47	FUR_167004	-	2024/04/19
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>.

QUANTITATIVE DATA SUMMARY

MEASURING UNIT

Animal

Species	Susceptible Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
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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	-	-	-	-	-
	TOTAL	-	1	-	-	-
tiger (wild)	NEW	-	-	-	-	-
	TOTAL	-	1	1	-	-
harbor seal (wild)	NEW	-	-	-	-	-
	TOTAL	-	21	19	2	-
raccoon (northern raccoon) (wild)	NEW	-	1	-	-	-
	TOTAL	-	17	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	-	-	-	-	-
	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	-	-	-	-	-

all species	TOTAL -	9	0	0	0	0
	NEW -	1	-	-	-	-
	TOTAL 165	246	149	53	0	0

DIAGNOSTIC DETAILS

CLINICAL SIGNS			METHOD OF DIAGNOSTIC			
YES			Diagnostic test, Clinical			
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, Fisher, Cats, Red Fox, Puma, Domestic cat, American Black Bear (black bear), American marten, Bottlenose dolphin, Gray Seal, Virginia Opossum, Tiger, Striped Skunk, Brown bear (Grizzly Bear), Raccoon (Northern raccoon), North American river otter, Harbor Seal, American Mink, Coyote, Goats, Amur Leopard, Bovine, Abert's squirrel, Polar Bear	207	2022/05/05	2024/04/17	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_134125 - MI 005 - ISABELLA COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
MI 005	2024/04/10	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Michigan	Isabella	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Isabella County	43.606 , -84.776 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION
A commercial dairy premises. Clinical signs 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_134123 - MI 003 - IONIA COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
MI 003	2024/04/11	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Michigan	Ionia	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Ionia County	42.983 , -85.06 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs 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_134124 - MI 004 - OTTAWA COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
MI 004	2024/04/08	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Michigan	Ottawa	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Ottawa County	42.812 , -86.063 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs 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_134126 - KS 004 - STEVENS COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
KS 004	2024/03/22	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Kansas	Stevens	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Stevens County	37.177 , -101.346 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs 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_134128 - NM 007 - CURRY COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
NM 007	2024/04/02	-	-
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 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_134129 - TX 012 - HARTLEY COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
TX 012	2024/04/03	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Texas	Hartley	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Hartley County	36.051 , -102.514 (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

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

UPDATED OUTBREAKS

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	-	Animal

(Approximate location)

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs in lactating cattle included decreased feed consumption, drop in milk production and yellow/thickened milk. HPAI H5N1 clade 2.3.4.4b was detected in a barn cat on the affected premises.

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

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB_133742 - NM 002 - CURRY COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
NM 002	2024/03/16	-	-
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 , -103.201 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs in lactating cattle included acute decrease in production. HPAI H5N1 clade 2.3.4.4b was detected in a barn cat on the affected premises and a wild racoon (Procyon lotor) on the affected premises.

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

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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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. HPAI H5N1 clade 2.3.4.4b was detected in barn cats on the affected premises.

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

METHOD OF DIAGNOSTIC

Diagnostic test,
Clinical

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-