

United States of America - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 45

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 45	FUR_166720	-	2024/04/05
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 sick cattle collected from dairy farms in Idaho (ID), Kansas (KS), Michigan (MI), New Mexico (NM) 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
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 -	1	1	-	-	-
	TOTAL -	7	5	2	-	-
striped skunk (wild)	NEW -	-	-	-	-	-
	TOTAL -	42	27	14	-	-
tiger (wild)	NEW -	-	-	-	-	-
	TOTAL -	1	1	-	-	-
harbor seal (wild)	NEW -	-	-	-	-	-
	TOTAL -	21	19	2	-	-
raccoon (northern raccoon) (wild)	NEW -	-	-	-	-	-
	TOTAL -	15	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 -	85	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	0
all species	NEW -	1	1	-	-	-
	TOTAL 165	242	149	53	0	0

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	Bobcat, Cats, Domestic cat, Gray Seal, Red Fox, North American river otter, Brown bear (Grizzly Bear), Fisher, Harbor Seal, American marten, American Black Bear (black bear), Bottlenose dolphin, Puma, Coyote, Tiger, Virginia Opossum, Amur Leopard, Goats, Striped Skunk, Raccoon (Northern raccoon), Polar Bear, Abert's squirrel, Bovine	188	2022/05/05	2024/04/02	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_133743 - KS 002 - KEARNY COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
KS 002	2024/03/20	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Kansas	Kearny	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Kearny County	37.943 , -101.256 (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	-	-	-	-	-

Clinical,
Diagnostic test

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB 133741 - KS 003 - GRAY COUNTY

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs in lactating cattle included acute drop in milk production.

METHOD OF DIAGNOSTIC

Diagnostic test,
Clinical

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

1

1

OB 133742 - NM 002 - CURRY COUNTY

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs in lactating cattle included acute decrease in production.

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Clinical,
Diagnostic test

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB 133746 - TX 004 - MOORE COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
TX 004	2024/03/14	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Texas	Moore	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Moore County	35.856 , -101.972 (Approximate location)	-	Animal

A commercial dairy premises. Clinical signs in lactating cattle included decreased milk production, constipation and mastitis.

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

Diagnostic test,
Clinical

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

1

1

OB 133747 - TX 005 - LAMB COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
TX 005	2024/03/21	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Texas	Lamb	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Lamb County	33.92 , -102.333 (Approximate location)	-	Animal

A commercial dairy premises. Clinical signs in lactating cattle included acute decrease in milk production.

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

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_133748 - TX 007 - HALE COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
TX 007	2024/03/11	-	-
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 , -101.702 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs in lactating cattle included off feed, decreased milk production, anorexia, tacky manure, thickened yellow-milk and fever. H5N1 was detected in one feral barn cat on the 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
-	-

OB_133749 - TX 008 - DALLAM COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
TX 008	2024/03/17	-	-
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 , -102.521 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs in lactating cattle included decreased rumination, tacky manure, creamy/thick milk. Pneumonia noted in some cows. HPAI H5N1 was detected in barn cats on the 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
-	-

OB_133750 - TX 009 - DALLAM COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
TX 009	2024/03/25	-	-
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 , -102.52 (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 (domestic)	NEW	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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OB_133786 - ID 001 - CASSIA COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
ID 001	2024/03/13	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Idaho	Cassia	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Cassia County	42.535 , -113.793 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs in lactating cattle included decreased feed intake with decreased 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
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OB_133740 - MI 001 - MONTCALM COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
MI 001	2024/03/20	-	-
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 , -85.083 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs in lactating cattle included production drop, fever and thick yellow milk.

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_133744 - TX 001 - CASTRO COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
TX 001	2024/03/13	-	-
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 , -102.312 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs in lactating cattle included decreased milk production 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
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OB_133751 - KING COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2023/12/01	2023/12/31	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Washington	King	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
King County	47.554 , -122.098 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

Wild bobcat (Lynx rufus).

Species	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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UPDATED OUTBREAKS

OB_133485 - TX 002 - HARTLEY COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
TX 002	2024/03/20	-	-
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 , -102.515
(Approximate location)

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Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs in lactating cattle included a drop in feed intake, tacky feces, thickened milk, increased somatic cell count and pyrexia. HPAI H5N1 clade 2.3.4.4b was detected in a barn cat on the premises.

Species	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
cats (domestic)	NEW	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-
bovine (domestic)	NEW	-	-	-	-	-	-
	TOTAL	-	8	0	0	0	0

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_133490 - KS 001 - SEWARD COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
KS 001	2024/03/21	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Kansas	Seward	-	Farm
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Seward County	37.043 , -100.921 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

A commercial dairy premises. Clinical signs in lactating cattle included an acute drop in milk production.

Species	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
bovine (domestic)	NEW	-	-	-	-	-	-
	TOTAL	-	1	0	0	0	0

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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