

## United States of America - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 7

### 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 7	FUR_156507	-	2022/08/05
REPORT STATUS	NO EVOLUTION REPORT		
Validated	-		

### EPIDEMIOLOGY

#### SOURCE OF EVENT OR ORIGIN OF INFECTION

- Contact with wild species
- Unknown or inconclusive

#### EPIDEMIOLOGICAL COMMENTS

--Maine (ME)--Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in six Harbor seals from Cumberland, York and Sagadahoc Counties, ME. Clinical signs included neurologic behavior, possible tremors and unresponsiveness. Five of the affected animals were found dead and one was euthanized shortly after being found. Wisconsin (WI)--Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a Fisher from St Croix County, WI. The animal was found displaying abnormal behavior, including lack of fear towards people, rolling, stumbling and disorientation and has since been euthanized. Idaho (ID)--Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a skunk from Ada County, ID. Clinical signs included twitching, jerking, seizures and sudden death.

### 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	-	-
gray seal (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	1	1	-	-	-
bobcat (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	2	-	2	-	-
striped skunk (wild)	NEW	-	1	1	-	-	-
	TOTAL	-	4	1	3	-	-
harbor seal (wild)	NEW	-	6	5	1	-	-
	TOTAL	-	15	13	2	-	-
raccoon (northern raccoon) (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	6	2	1	-	-
red fox (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	49	20	14	-	-
fisher (wild)	NEW	-	1	-	1	-	-
	TOTAL	-	1	-	1	-	-
all species	NEW	-	8	6	2	-	-
	TOTAL	-	81	38	25	-	-

## 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	Virginia Opossum, Coyote, 71 Gray Seal, Red Fox, Fisher, Striped Skunk, Bobcat, Harbor Seal, Raccoon (Northern raccoon)		2022/05/05	2022/08/03	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\_105634 - SAINT CROIX COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/04/14	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Wisconsin	Saint Croix	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Saint Croix County	44.963 , -92.752 (Approximate location)	-	Animal

## AFFECTED POPULATION DESCRIPTION

--Wild fisher (Pekania pennanti).

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
fisher (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

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## OB\_105641 - CUMBERLAND COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/07/07	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Maine	Cumberland	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Cumberland County	43.659 , -70.251 (Approximate location)	-	Animal

## AFFECTED POPULATION DESCRIPTION

--Wild Harbor seal (Phoca vitulina).

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

## METHOD OF DIAGNOSTIC

Diagnostic test,  
Clinical

## CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

## MEASURES NOT IMPLEMENTED

## ADDITIONAL MEASURES

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OB\_105640 - CUMBERLAND COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/07/08	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Maine	Cumberland	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Cumberland County	43.689 , -70.254 (Approximate location)	-	Animal

## AFFECTED POPULATION DESCRIPTION

--Wild Harbor seal (Phoca vitulina).

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
harbor seal	NEW	-	1	1	-	-	-
(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\_105639 - CUMBERLAND COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/07/09	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Maine	Cumberland	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Cumberland County	43.645 , -70.276 (Approximate location)	-	Animal

## AFFECTED POPULATION DESCRIPTION

--Wild Harbor seal (Phoca vitulina).

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
harbor seal	NEW	-	1	1	-	-	-
(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\_105638 - YORK COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/07/09	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Maine	York	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
York County	43.5 , -70.723 (Approximate location)	-	Animal

## AFFECTED POPULATION DESCRIPTION

--Wild Harbor seal (Phoca vitulina).

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

## METHOD OF DIAGNOSTIC

Diagnostic test,  
Clinical

## CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

## MEASURES NOT IMPLEMENTED

## ADDITIONAL MEASURES

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OB\_105637 - YORK COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/07/10	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Maine	York	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
York County	43.537 , -70.77 (Approximate location)	-	Animal

## AFFECTED POPULATION DESCRIPTION

--Wild Harbor seal (Phoca vitulina).

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

## METHOD OF DIAGNOSTIC

Diagnostic test,  
Clinical

## CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

## MEASURES NOT IMPLEMENTED

## ADDITIONAL MEASURES

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OB\_105636 - SAGADAHOC COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/07/05	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Maine	Sagadahoc	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Sagadahoc County	43.928 , -69.838 (Approximate location)	-	Animal

## AFFECTED POPULATION DESCRIPTION

--Wild Harbor seal (Phoca vitulina).

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
harbor seal	NEW	-	1	1	-	-	-
(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\_105635 - ADA COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/07/22	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Idaho	Ada	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Ada County	43.651 , -116.255 (Approximate location)	-	Animal

## AFFECTED POPULATION DESCRIPTION

--Wild skunk (Mephitis mephitis).

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