

United States of America - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 6

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 6	FUR_156202	-	2022/07/15
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 five Harbor seals from Cumberland and Lincoln Counties, ME. Clinical signs included head twitching and non-responsiveness. Three of the affected animals were found dead and two died shortly after being found. Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a Grey seal from Sagadahoc County, ME. The affected animal was found dead. Alaska (AK)--Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a Red fox from Nome, AK. Washington (WA)--Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in a raccoon from Stevens County, WA. Neurological signs were noted included circling, ataxia and biting at inanimate objects. Idaho (ID)--Highly pathogenic avian influenza (HPAI) H5N1, Eurasian lineage goose/Guangdong clade 2.3.4.4b was confirmed in two Striped skunks from Adams County, ID. Clinical signs included reduced appetite, tremors and seizures. The affected animals were taken to a rehabilitation facility where they have since been euthanized.

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	-	1	1	-	-	-
	TOTAL	-	1	1	-	-	-
bobcat (wild)	NEW	-	-	-	-	-	-
	TOTAL	-	2	-	2	-	-
striped skunk (wild)	NEW	-	2	-	2	-	-
	TOTAL	-	3	-	3	-	-
harbor seal (wild)	NEW	-	5	5	-	-	-
	TOTAL	-	9	8	1	-	-
raccoon (northern raccoon) (wild)	NEW	-	1	-	-	-	-
	TOTAL	-	6	2	1	-	-
red fox (wild)	NEW	-	1	-	-	-	-
	TOTAL	-	49	20	14	-	-
all species	NEW	-	10	6	2	-	-
	TOTAL	-	73	32	23	-	-

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, Virginia Opossum, Red Fox, Harbor Seal, Striped Skunk, Raccoon (Northern raccoon), Coyote	63	2022/05/05	2022/07/11	Positive

CONTROL MEASURES

CONTROL MEASURES AT EVENT LEVEL

Surveillance within the restricted zone
Official disposal of carcasses, by-products and waste
Disinfection

DOMESTIC ANIMALS

WILD ANIMALS

Applied
Applied
Applied

NEW OUTBREAKS

OB_104933 - SAGADAHOC COUNTY

OUTBREAK REFERENCE		START DATE		END DATE		DETAILED CHARACTERISATION	
-		2022/07/01		-		-	
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		43.907 , -69.833 (Approximate location)		-		Animal	
AFFECTED POPULATION DESCRIPTION							
--Wild Grey seal (Halichoerus grypus).							
Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
gray seal (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_104935 - CUMBERLAND COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION				
-	2022/06/29	-	-				
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	43.653 , -70.286 (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_104934 - CUMBERLAND COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/06/28	-	-
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	43.649 , -70.331 (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_104932 - CUMBERLAND COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/07/01	-	-
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	43.672 , -70.258 (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_104931 - LINCOLN COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/07/02	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Maine	Lincoln	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Lincoln County	44.033 , -69.642 (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_104930 - CUMBERLAND COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/07/02	-	-
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	43.719 , -70.306 (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_104929 - NOME

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/06/13	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Alaska	Nome	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Nome	64.53 , -165.422 (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	-	-	-	-
wild	TOTAL	-	1	-	-	-	-

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB_104928 - STEVENS COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/06/29	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Washington	Stevens	-	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Stevens County	48.457 , -117.905 (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
raccoon (northern	NEW	-	1	-	-	-	-
raccoon) (wild) wild	TOTAL	-	1	-	-	-	-

METHOD OF DIAGNOSTIC

Clinical,
Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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OB_104927 - ADAMS COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/06/07	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Idaho	Adams	-	Other
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Adams County	44.965 , -116.461 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

--Captive wild striped skunks (*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	NEW	-	2	-	2	-	-
(wild) captive	TOTAL	-	2	-	2	-	-

METHOD OF DIAGNOSTIC

Diagnostic test,
Clinical

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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UPDATED OUTBREAKS

OB_104156 - BUCHANAN COUNTY

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
-	2022/05/20	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Iowa	Buchanan	-	Other
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Buchanan County	42.454 , -91.84 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

--Captive wild Virginia Opossums (*Didelphis virginiana*) at a rehabilitation facility.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
virginia opossum	NEW	-	-	-	-	-	-
(wild) captive	TOTAL	-	2	1	1	-	-

METHOD OF DIAGNOSTIC

Diagnostic test,

Clinical

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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