

Canada - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Follow-up report 2

GENERAL INFORMATION

COUNTRY/TERRITORY OR ZONE	ANIMAL TYPE	DISEASE CATEGORY	EVENT ID
COUNTRY/TERRITORY	TERRESTRIAL	Listed disease	5065
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	H5N5	2023/04/04
REASON FOR NOTIFICATION	DATE OF LAST OCCURRENCE	CONFIRMATION DATE	EVENT STATUS
Unusual host species	-	2023/05/19	On-going
END DATE	SELF-DECLARATION		
-	NO		

REPORT INFORMATION

REPORT NUMBER	REPORT ID	REPORT REFERENCE	REPORT DATE
Follow-up report 2	FUR_162248	-	2023/08/11
REPORT STATUS	NO EVOLUTION REPORT		
Validated	-		

EPIDEMIOLOGY

SOURCE OF EVENT OR ORIGIN OF INFECTION

- Unknown or inconclusive
- Contact with wild species

EPIDEMIOLOGICAL COMMENTS

We report a case of highly pathogenic avian influenza H5N5 (fully Eurasian) in a red fox from Nova Scotia and two additional cases in racoons from Prince Edward Island. The geographical marker is on the capital. For detailed and current information on high pathogenicity avian influenza cases in wildlife, please consult : http://www.cwhc-rcsf.ca/avian_influenza.php.

QUANTITATIVE DATA SUMMARY

MEASURING UNIT

Animal

Species		Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
striped skunk (wild)	NEW	-	-	-	-	-	-

	TOTAL -	1	1	-	-	-
raccoon (northern raccoon) (wild)	NEW -	2	2	-	-	-
	TOTAL -	4	4	-	-	-
red fox (wild)	NEW -	1	1	-	-	-
	TOTAL -	1	1	-	-	-
all species	NEW -	3	3	-	-	-
	TOTAL -	6	6	-	-	-

DIAGNOSTIC DETAILS

CLINICAL SIGNS

YES

METHOD OF DIAGNOSTIC

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)	Canadian Food Inspection Agency (CFIA), National Centre for Foreign Animal Disease (NCFAD), Canadian Science Centre for Human and Animal Health	Raccoon (Northern raccoon), Red Fox, Striped Skunk	2	2023/05/19	2023/08/09	Positive
Gene sequencing	Canadian Food Inspection Agency (CFIA), National Centre for Foreign Animal Disease (NCFAD), Canadian Science Centre for Human and Animal Health	Raccoon (Northern raccoon), Striped Skunk, Red Fox	2	2023/05/19	2023/08/09	Positive

CONTROL MEASURES

CONTROL MEASURES AT EVENT LEVEL

DOMESTIC ANIMALS

WILD ANIMALS

NEW OUTBREAKS

OB_123458 - NS-2023-H5N5-MAM (1) - NOVA SCOTIA - MAMMALS

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
NS-2023-H5N5-MAM (1)	2023/05/23	-	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Nova Scotia	Halifax	Halifax	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Nova Scotia - mammals	44.66 , -63.65 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

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MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
<p>1. Prevention:</p> <ul style="list-style-type: none"> • Hand Hygiene: Regular handwashing with soap and water, especially before and after patient contact. • Personal Protective Equipment (PPE): Use of gloves, gowns, and masks when entering the patient's room. • Environmental Cleaning: Regular cleaning and disinfection of the patient's room and common areas. • Visitor Restrictions: Limiting the number of visitors and ensuring they follow infection control protocols. • Staff Education: Regular training for healthcare workers on infection control measures. <p>2. Diagnosis:</p> <ul style="list-style-type: none"> • Regular Testing: Routine testing of patients and staff for the virus. • Surveillance: Close monitoring of patients and staff for symptoms of the virus. • Reporting: Prompt reporting of suspected cases to the appropriate authorities. <p>3. Treatment:</p> <ul style="list-style-type: none"> • Isolation: Isolating infected patients from other patients and staff. • Supportive Care: Providing patients with fluids, rest, and other supportive measures. • Antiviral Therapy: Administering antiviral drugs to infected patients. • Vaccination: Administering the COVID-19 vaccine to eligible patients and staff. 	<p>1. Prevention:</p> <ul style="list-style-type: none"> • Hand Hygiene: Regular handwashing with soap and water, especially before and after patient contact. • Personal Protective Equipment (PPE): Use of gloves, gowns, and masks when entering the patient's room. • Environmental Cleaning: Regular cleaning and disinfection of the patient's room and common areas. • Visitor Restrictions: Limiting the number of visitors and ensuring they follow infection control protocols. • Staff Education: Regular training for healthcare workers on infection control measures. <p>2. Diagnosis:</p> <ul style="list-style-type: none"> • Regular Testing: Routine testing of patients and staff for the virus. • Surveillance: Close monitoring of patients and staff for symptoms of the virus. • Reporting: Prompt reporting of suspected cases to the appropriate authorities. <p>3. Treatment:</p> <ul style="list-style-type: none"> • Isolation: Isolating infected patients from other patients and staff. • Supportive Care: Providing patients with fluids, rest, and other supportive measures. • Antiviral Therapy: Administering antiviral drugs to infected patients. • Vaccination: Administering the COVID-19 vaccine to eligible patients and staff.

OB_119023 - PEI-2023-H5N5-MAM (1) - PRINCE EDWARD ISLAND - MAMMALS

Fully Eurasian H5N5

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
raccoon (northern	NEW	-	2	2	-	-	-
raccoon) (wild) wild	TOTAL	-	4	4	-	-	-
striped skunk (wild)	NEW	-	-	-	-	-	-
wild	TOTAL	-	1	1	-	-	-

Diagnostic test

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
<p>1. Prevention:</p> <ul style="list-style-type: none"> • Public Awareness: Launch a campaign to educate the public about the risks of illegal gambling and the importance of responsible gaming. • Regulation: Implement strict regulations on the operation of gambling establishments, including limits on advertising and hours of operation. • Self-Exclusion: Establish a self-exclusion program that allows individuals to voluntarily exclude themselves from gambling activities. <p>2. Enforcement:</p> <ul style="list-style-type: none"> • Increased Policing: Increase the number of police officers assigned to enforce gambling laws, particularly in areas with high concentrations of gambling establishments. • Seizure of Assets: Implement measures to seize the assets of individuals and organizations involved in illegal gambling operations. 	<p>1. Prevention:</p> <ul style="list-style-type: none"> • Public Awareness: Launch a campaign to educate the public about the risks of illegal gambling and the importance of responsible gaming. • Regulation: Implement strict regulations on the operation of gambling establishments, including limits on advertising and hours of operation. • Self-Exclusion: Establish a self-exclusion program that allows individuals to voluntarily exclude themselves from gambling activities. <p>2. Enforcement:</p> <ul style="list-style-type: none"> • Increased Policing: Increase the number of police officers assigned to enforce gambling laws, particularly in areas with high concentrations of gambling establishments. • Seizure of Assets: Implement measures to seize the assets of individuals and organizations involved in illegal gambling operations.