Canada - Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-) - Immediate notification

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
Immediate notification	IN_160966	CAN-2023-HPAIM-001	2023/05/24

REPORT STATUS	NO EVOLUTION REPORT
Validated	-

EPIDEMIOLOGY

SOURCE OF EVENT OR ORIGIN OF INFECTION

- Unknown or inconclusive
- Contact with wild species

EPIDEMIOLOGICAL COMMENTS

This is the first report of highly pathogenic avian influenza H5N5 in mammals in Canada. We previously reported wild birds with wholly Eurasian H5N5 from Prince Edward Island and New Brunswick (event 4754). We are now reporting two raccoons from Prince Edward Island found dead. The geographical marker is on the capital. For both raccoons, the virus contains wholly Eurasian genome segments. 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

racoon (northern raccoon) (wild)	NEW	-	2	2	-	-	-
	TOTAL	-	2	2	-	-	-

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
Gene sequencing	Canadian Food Inspection Agency (CFIA), National Centre for Foreign Animal Disease (NCFAD), Canadian Science Centre for Human and Animal Health	Racoon (Northern raccoon)	1	2023/05/19	2023/05/19	Positive
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	Racoon (Northern raccoon)	1	2023/05/19	2023/05/19	Positive

CONTROL MEASURES

CONTROL MEASURES AT EVENT LEVEL **DOMESTIC ANIMALS** **WILD ANIMALS**

NEW OUTBREAKS

OB_119023 - PEI-2023-HPAIM-001 - PRINCE EDWARD ISLAND - MAMMALS

OUTBREAK REFERENCE
PEI-2023-HPAIM-001

START DATE
2023/04/04

END DATE
-

DETAILED CHARACTERISATION
-

FIRST ADMINISTRATIVE DIVISION
Prince Edward Island

SECOND ADMINISTRATIVE DIVISION
Queens

THIRD ADMINISTRATIVE DIVISION
Charlottetown

EPIDEMIOLOGICAL UNIT
Not applicable

LOCATION
Prince Edward Island - mammals

Latitude, Longitude
46.25 , -63.11
(Approximate location)

OUTBREAKS IN CLUSTER
-

Measuring unit
Animal

AFFECTED POPULATION DESCRIPTION
-

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

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-