Public Health Agency of Canada | Agence de santé publique du Canada

Canada

West Nile Virus National Surveillance Report

English Edition

October 15, 2006 - October 21, 2006 (Week 42)

Canada

Human:

During week 42, no new human cases of West Nile virus (WNV) infection were reported to the Public Health Agency of Canada (PHAC). As of week 42, 126 confirmed human WNV cases [Alberta (24), Saskatchewan (11), Manitoba (50), Ontario (40), and Quebec (1)] and one asymptomatic infection [Manitoba (1)] have been reported to the PHAC. Of the 126 clinical cases, 35 (27.8%) were classified as West Nile Neurological Syndrome, 83 (65.9%) as West Nile Virus Non-Neurological Syndrome, and 8 (6.4%) as unclassified. Two deaths have been reported to date.

Bird:

As of week 42, 2461 dead birds have been tested, of which 273 (11.1%) were positive for WNV. Of these positive bird tests, 12 were reported in Alberta [Calgary (1), Palliser (8) and Chinook (3)], 5 were reported in Sastachewan [Heartland (1), Cypress (1) and Regina (3)] and 256 were reported in Ontario [Central East (60), Central West (47), East (29), North East (29), North West (27), South West (51) and Toronto (13)]. The positive birds were American crows (85.4%), blue jays (13.2%), black-billed magpies (0.7%), ravens (0.4%) and pelicans (0.4%).

Mosquito:

As of week 42, 499 WNV positive mosquito pools have been reported, including 114 in Alberta [Palliser (87), David Thompso (3), Calgary (7) East Central (1) and Chinook (16)], 36 in Saskatchewan [Cypress (3), Heartland (1), Five Hills (1), Saskatoon (2) and Sun Country (29)], 171 in Manitoba [Assiniboine (34), Central (7), Interlake (40), Brandon (7), North Eastman (9), South Eastman (4), and Winnipeg (70)], 169 in Ontario [Central East (30), Central West (39), East (3), North East (17), North West (4) South West (32) and Toronto (44)] and 9 in Quebec [Monteregie (6) and Montreal-Centre(3)].

Domestic Animal:

As of week 42, thirteen WNV positive horses have been reported in Manitoba (1), Alberta(9) and Ontario (3).

National WNV surveillance data and maps can be found on the PHAC web site at:

http://www.phac-aspc.gc.ca/wnv-vwn/index.html

Provinces/Territories: Detailed WNV information can be accessed through the Links section on the PHAC WNV web site.

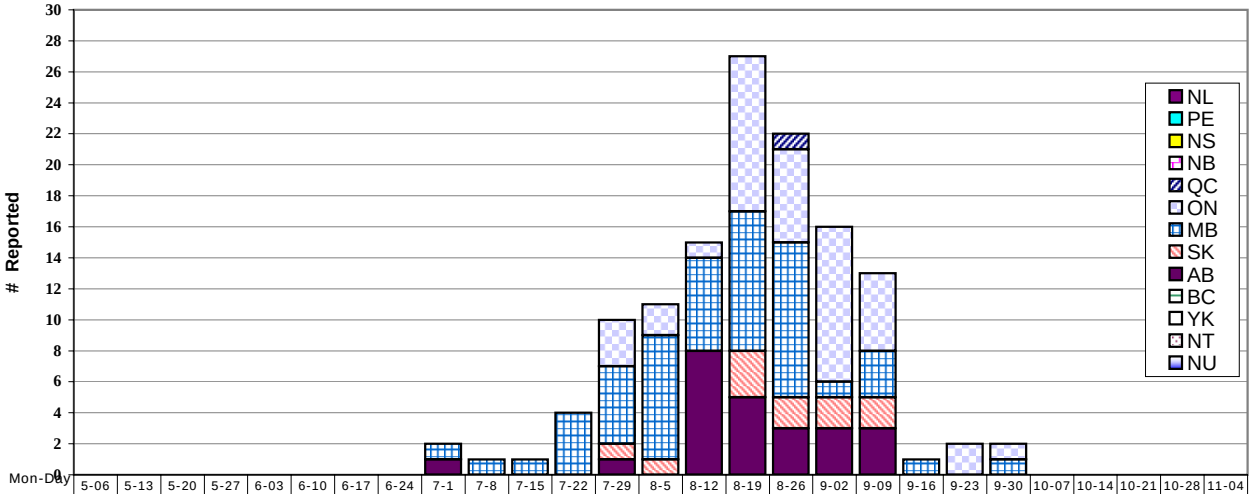
United States

Human:

Between 1January and 24 October 2006, 3660 human WNV cases [2224 (61%) fever, 1278 (35%) neuroinvasive disease and 158 (4%) clinically unspecified] have been reported to the Centers for Disease Control and Prevention (CDC) in the U.S. There have been 112 deaths reported.

States: Detailed State information can be accessed through the CDC web site: http://www.cdc.gov/ncidod/dvbid/westnile/surv&control.htm

WNV Human Confirmed Cases and Asymptomatic Infections, by Province/Territory, by Report week, Canada, 2006



Mon-Day	5-06	5-13	5-20	5-27	6-03	6-10	6-17	6-24	7-1	7-8	7-15	7-22	7-29	8-5	8-12	8-19	8-26	9-02	9-09	9-16	9-23	9-30	10-07	10-14	10-21	10-28	11-04
NL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
QC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
ON	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	10	6	10	5	0	2	1	0	0	0	0	0
MB	0	0	0	0	0	0	0	0	1	1	1	4	5	8	6	9	10	1	3	1	0	1	0	0	0	0	0
SK	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	3	2	2	2	0	0	0	0	0	0	0	0
AB	0	0	0	0	0	0	0	0	1	0	0	0	1	0	8	5	3	3	3	0	0	0	0	0	0	0	0
BC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Abbreviations: Newfoundland & Labrador (NL), Prince Edward Island (PE), New Brunswick (NB), Nova Scotia (NS), Quebec (QC), Ontario (ON), Manitoba (MB), Saskatchewan (SK), Alberta (AB), British Columbia (BC), Yukon Territory (YK), Northwest Territories (NT), Nunavut (NU)

WNV Human Confirmed Clinical Cases and Asymptomatic Infections for the Current Report Week and Year-to-Date, by Province/Territory, Canada, 2006

Provinces Territories	Report Week: October 15, 2006 - October 21, 2006 (Week 42)					
	West Nile Virus Neurological Syndrome	West Nile Virus Non-Neurological Syndrome	Unclassified / Unspecified	Total Clinical Cases[1]	No. of travel related cases[2]	West Nile Virus Asymptomatic Infections
	No. Cases	No. Cases				
NL	0	0	0	0	0	0
PE	0	0	0	0	0	0
NS	0	0	0	0	0	0
NB	0	0	0	0	0	0
QC	0	0	0	0	0	0
ON	0	0	0	0	0	0
MB	0	0	0	0	0	0
SK	0	0	0	0	0	0
AB	0	0	0	0	0	0
BC	0	0	0	0	0	0
YT	0	0	0	0	0	0
NT	0	0	0	0	0	0
NU	0	0	0	0	0	0
Canada	0	0	0	0	0	0
Provinces Territories	Year-to-Date: October 21, 2006 (Week 42)					
	West Nile Virus Neurological Syndrome	West Nile Virus Non-Neurological Syndrome	Unclassified / Unspecified	Total Clinical Cases[1]	No. of travel related cases[2]	West Nile Virus Asymptomatic Infections
	No. Cases	No. Cases				
NL	0	0	0	0	0	0
PE	0	0	0	0	0	0
NS	0	0	0	0	0	0
NB	0	0	0	0	0	0
QC	0	1	0	1	0	0
ON	16	23	1	40	3	0
MB	15	28	7	50	0	1
SK	3	8	0	11	0	0
AB	1	23	0	24	7	0
BC	0	0	0	0	0	0
YT	0	0	0	0	0	0
NT	0	0	0	0	0	0
NU	0	0	0	0	0	0
Canada	35	83	8	126	10	1

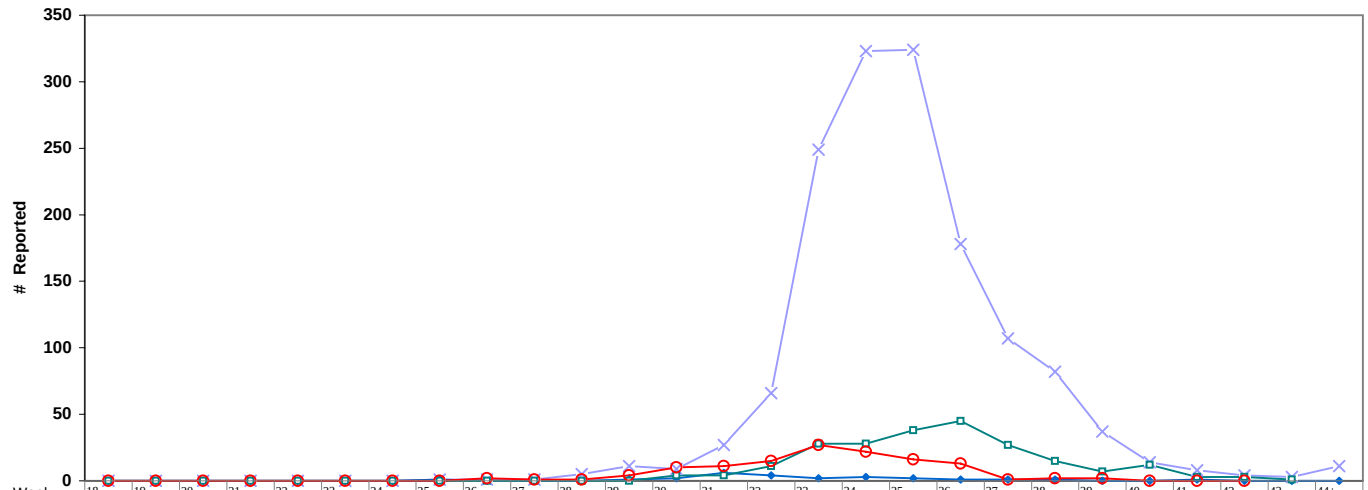
[1] Total clinical cases is the sum of WNNS + WN Non-NS + Unclassified / Unspecified

[2] Likely related to travel outside the province / territory

Details on human case definitions can be seen on the PHAC West Nile virus surveillance web site:

http://www.phac-aspc.gc.ca/wnv-vwn/hmncasedef_e.html

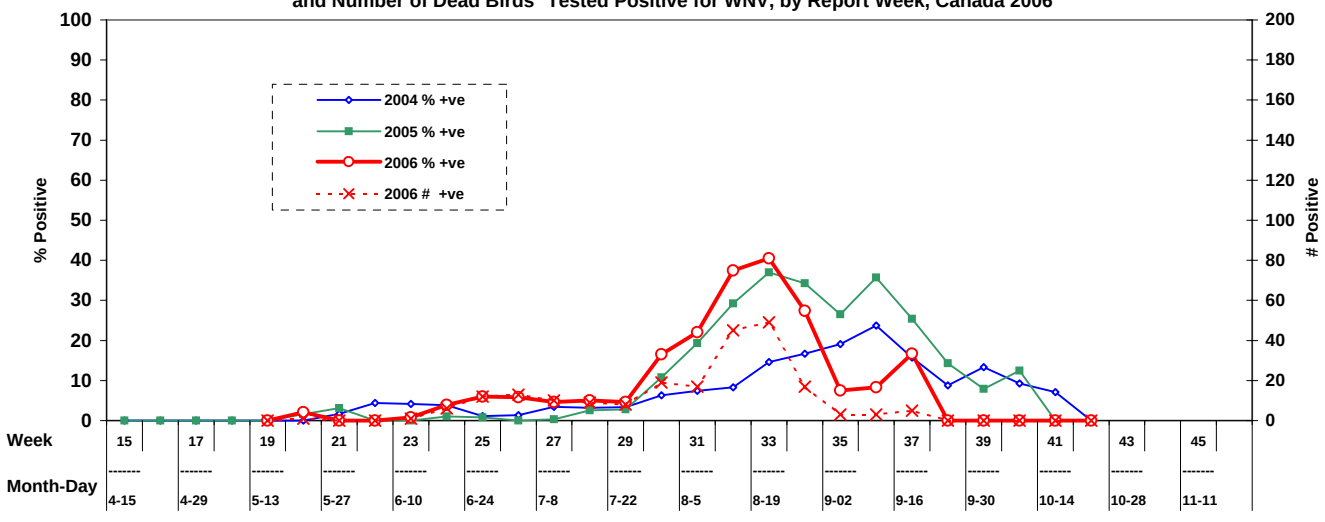
WNV Human Confirmed Clinical Cases and Asymptomatic Infections in Canada, 2003 to 2006



Week	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44+
Month-Day	5-06	5-13	5-20	5-27	6-03	6-10	6-17	6-24	7-1	7-8	7-15	7-22	7-39	8-5	8-12	8-19	8-26	9-02	9-09	9-16	9-23	9-30	10-07	10-14	10-21	10-28	11-04
2003	0	0	0	0	0	0	0	1	1	1	5	11	9	27	66	249	323	324	178	107	82	37	14	8	4	3	11
2004	0	0	0	0	0	0	0	1	0	0	0	1	2	6	4	2	3	2	1	1	1	0	0	1	0	0	0
2005	0	0	0	0	0	0	0	0	0	0	0	0	4	4	11	28	28	38	45	27	15	7	12	3	3	1	
2006	0	0	0	0	0	0	0	0	2	1	1	4	10	11	15	27	22	16	13	1	2	2	0	0	0		

Report Week by Episode date [3]

Percentage of Dead Birds[4] Tested Positive for WNV, by Report Week, Canada 2004, 2005 & 2006[5], and Number of Dead Birds[4] Tested Positive for WNV, by Report Week, Canada 2006



Week	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45
Month-Day	4-15	4-29	5-13	5-27	6-10	6-24	7-8	7-22	8-5	8-19	9-02	9-16	9-30	10-14	10-28	11-11

Report Week

[3] Episode date could include one of the following: onset date, diagnosis date, lab sample date, or reporting date.

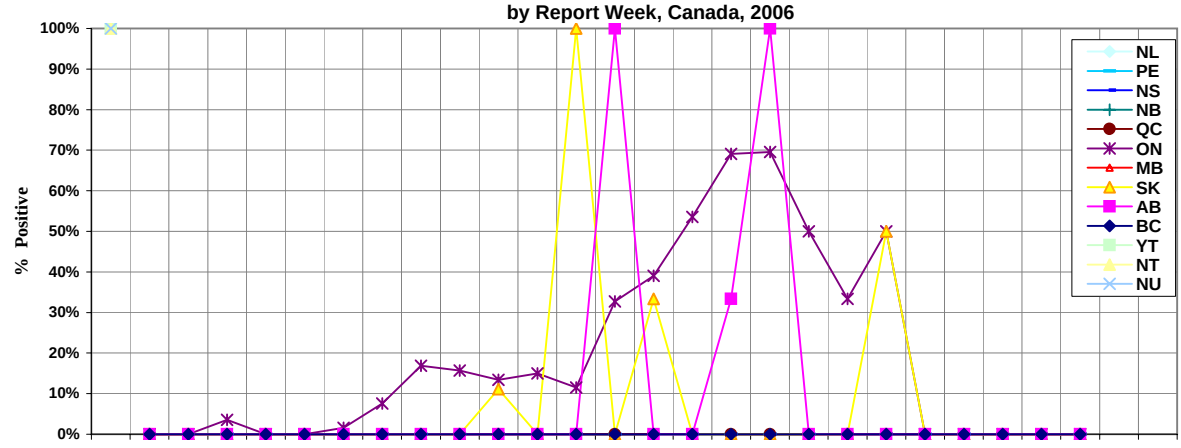
[4] Mostly corvids (e.g. crows, blue jays, and ravens).

[5] Not all provinces are conducting dead bird surveillance as part of their own WNV surveillance program in 2006. However, WNV positive dead birds may be identified through the National Wildlife Disease Surveillance Program of the Canadian Cooperative Wildlife Health Centre (CCWHC).

Dead Bird[4] WNV Test Results for the current Report Week and Year-to-Date, by Province/Territory, Canada, 2006

Provinces / Territories	October 15, 2006 - October 21, 2006 (Week 42)		Year-to-Date: October 21, 2006 (Week 42)	
	No. tests	No. confirmed positive tests	No. tests	No. confirmed positive tests
NL	0	0	0	0
PE	0	0	98	0
NS	0	0	118	0
NB	0	0	308	0
QC*	0	0	0	0
ON	0	0	972	256
MB*	0	0	1	0
SK*	0	0	64	5
AB	0	0	86	12
BC	0	0	796	0
YT	0	0	9	0
NT	0	0	9	0
NU	0	0	0	0
Canada	0	0	2461	273

Percentage of Dead Birds[4] Tested Positive for WNV, by Province/Territory, by Report Week, Canada, 2006



		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
NL		0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
PE		0/0	0/0	0/0	0/0	0/2	0/7	0/14	0/16	0/9	0/13	0/10	0/5	0/6	0/1	0/2	0/2	0/2	0/4	0/1	0/4	0/0	0/0	0/0	0/0	0/0	0/0	0/0
NS		0/0	0/0	0/1	0/1	0/1	0/1	0/0	0/1	0/6	0/18	0/10	0/14	0/7	0/4	0/3	0/1	0/2	0/2	0/3	0/1	0/1	0/1	0/0	0/0	0/0	0/0	0/0
NB		0/0	0/0	0/0	0/1	0/0	0/8	0/19	0/39	0/41	0/42	0/40	0/33	0/24	0/8	0/10	0/7	0/8	0/8	0/5	0/3	0/0	0/0	0/0	0/0	0/0	0/0	0/0
QC*		0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
ON		0/1	0/9	1/28	0/37	0/50	1/62	6/79	12/71	13/83	9/67	9/60	7/61	18/55	16/41	45/84	47/68	16/23	3/6	3/9	3/6	0/0	0/0	0/0	0/0	0/0	0/0	0/0
MB*		0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
SK*		0/0	0/2	0/6	0/0	0/0	0/0	0/3	0/3	0/5	1/9	0/8	1/1	0/2	1/3	0/3	0/0	0/3	0/0	0/0	2/4	0/3	0/0	0/0	0/0	0/0	0/0	0/0
AB		0/0	0/0	0/0	0/0	0/1	0/1	0/2	0/1	0/13	0/12	0/1	0/8	1/1	0/3	0/1	2/6	1/1	0/3	0\3	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
BC		0/1	0/6	0/12	0/13	0/34	0/46	0/35	0/68	0/66	0/54	0/51	0/49	0/20	0/17	0/17	0/37	0/23	0/17	0/15	0/12	0/17	0/14	0/3	0/10	0/0	0/0	0/0
YT		0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
NT		0/0	0/1	0/1	0/1	0/0	0/1	0/0	0/1	0/1	0/1	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
NU		0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
CA		0/2	0/18	1/48	0/53	0/88	1/126	6/152	12/200	13/224	10/216	9/180	8/172	19/115	17/77	45/12(	49/12)	17/62	3/40	3/36	5/30	0/21	0/15	0/3	0/10	0/0	0/0	0/0

* These provinces are not conducting dead bird surveillance as part of their own WNV surveillance program in 2006. However, WNV positive dead birds may be identified through the National Wildlife Disease Surveillance Program of the Canadian Cooperative Wildlife Health Centre (CCWHC).