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

Canada

West Nile Virus National Surveillance Report

English Edition

August 27, 2006 - September 2, 2006 (Week 35)

Canada

Human:

During week 35, six new human cases of West Nile virus infection (WNV) in Alberta have been reported to the Public Health Agency of Canada (PHAC). As of week 35, 58 confirmed human WNV cases [Alberta (19), Saskatchewan (4), Manitoba (31) and Ontario (4)] and one asymptomatic infection [Manitoba (1)] have been reported to the PHAC. Of the 58 clinical cases, 5 (8.6%) were classified as West Nile Neurological Syndrome, 30 (51.7%) as West Nile Virus Non-Neurological Syndrome, and 23 (39.7%) as unclassified. No deaths have been reported to date.

Bird:

As of week 35, 2365 dead birds have been tested, of which 261 (11.0%) were positive for WNV. Of these positive bird tests, 12 were reported in Alberta [Calgary (1), Palliser (8) and Chinook (3)], 3 were reported in Sastachewan [Heartland (1), Cypress (1) and Regina (1)] and 246 were reported in Ontario [Central East (57), Central West (44), East (27), North East (29), North West (27), South West (50) and Toronto (12)]. The positive birds were American crows (86.2%), blue jays (12.3%), black-billed magpies (0.7%), ravens (0.4%) and pelicans (0.4%).

Mosquito:

As of week 35, 391 WNV positive mosquito pools have been reported, including 91 in Alberta [Palliser (73), David Thompso (2), Calgary (7) and Chinook (9)], 33 in Saskatchewan [Cypress (2), Heartland (1), Five Hills (1) and Sun Country (29)], 161 in Manitoba [Assiniboine (30), Central (7), Interlake (39), Brandon (6), North Eastman (8), South Eastman (4), and Winnipeg (67)], 105 in Ontario [Central East (16), Central West (27), East (2), North East (10), North West (20) and Toronto (27)] and 1 in Quebec [Monteregie (1)].

Domestic Animal:

As of week 35, two WNV positive horses have been reported in Manitoba (1) and Alberta(1).

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.

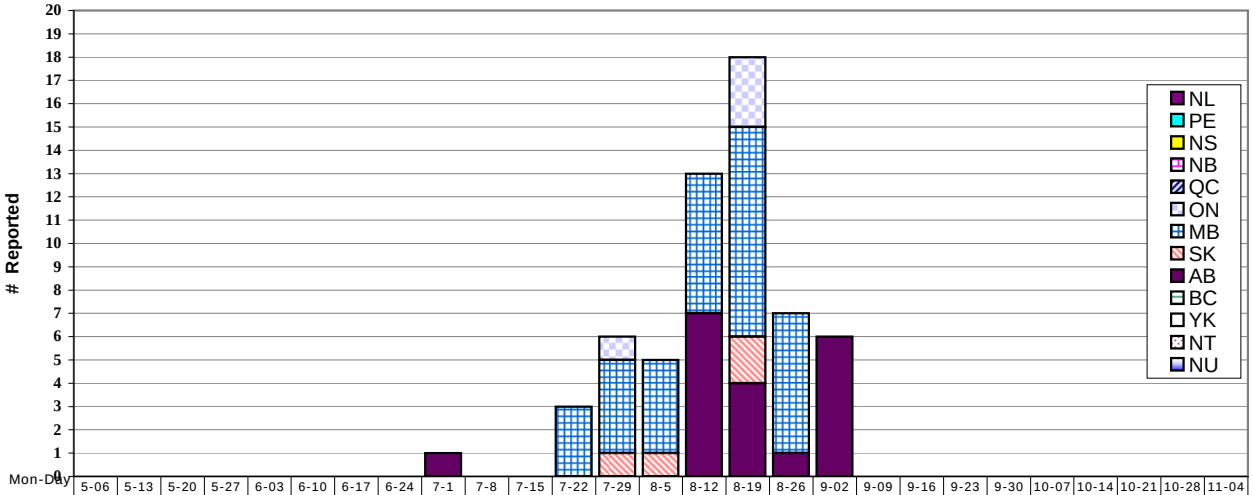
United States

Human:

Between 1January and 5 September 2006, 1267 human WNV cases [785 (62%) fever, 448 (35%) neuroinvasive disease and 34 (3%) clinically unspecified] have been reported to the Centers for Disease Control and Prevention (CDC) in the U.S. There have been 36 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	0	0	0	0	0	0	0	0	0	0	0
ON	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0
MB	0	0	0	0	0	0	0	0	0	0	0	3	4	4	6	9	6	0	0	0	0	0	0	0	0	0	0
SK	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0
AB	0	0	0	0	0	0	0	0	1	0	0	0	0	0	7	4	1	6	0	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: August 27, 2006 - September 2, 2006 (Week 35)					
	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	6	0	6	1	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	6	0	6	1	0
Provinces Territories	Year-to-Date: September 2, 2006 (Week 35)					
	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	3	1	4	0	0
MB	4	5	22	31	0	1
SK	1	3	0	4	0	0
AB	0	19	0	19	6	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	5	30	23	58	6	1

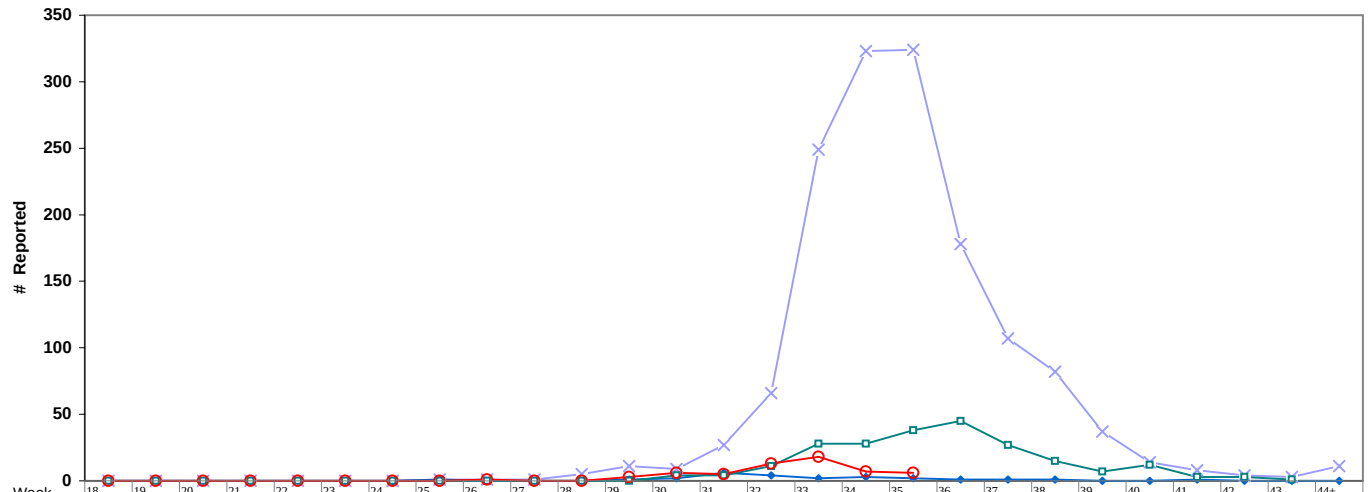
[1] Total clinical cases is the sum of WNNS + WN Non-NS + Unclassified / Unspecified

[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

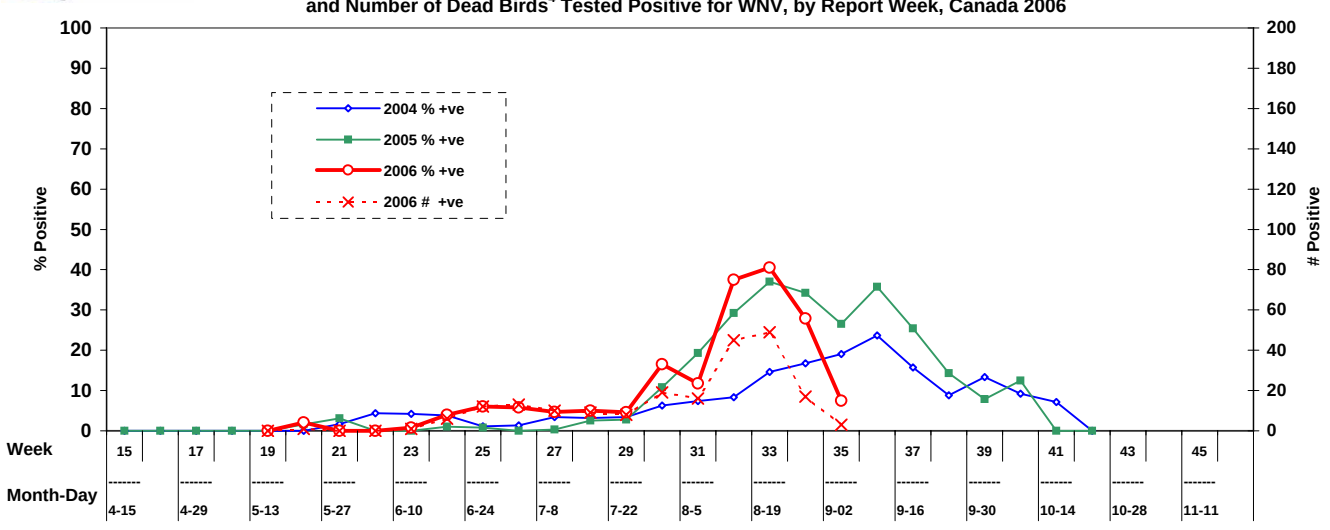
WNV Human Confirmed Clinical Cases and Asymptomatic Infections in Canada, 2003 to 2006



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	1	0	0	3	6	5	13	18	7	6									

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



Report Week

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

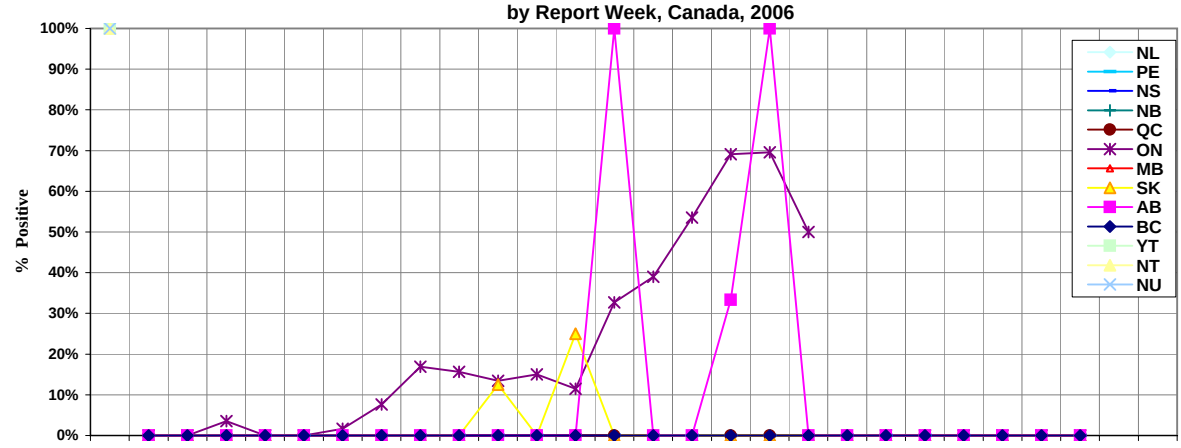
[4] Mostly corvids (e.g. crows, blue jays, and ravens).

[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	August 27, 2006 - September 2, 2006 (Week 35)		Year-to-Date: September 2, 2006 (Week 35)	
	No. tests	No. confirmed positive tests	No. tests	No. confirmed positive tests
NL	0	0	0	0
PE	4	0	93	0
NS	2	0	101	0
NB	8	0	298	0
QC*	0	0	0	0
ON	6	3	950	246
MB*	0	0	1	0
SK*	0	0	113	3
AB	3	0	83	12
BC	17	0	708	0
YT	0	0	9	0
NT	0	0	9	0
NU	0	0	0	0
Canada	40	3	2365	261

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



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
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	0/0	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	0/0	0/0	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	0/0	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
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	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
SK*		0/0	0/2	0/6	0/0	0/0	0/0	0/3	0/3	0/5	1/8	0/8	1/4	0/2	0/62	0/3	0/0	0/2	0/0	0/0	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\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	0/0	0/0	0/0	0/0	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
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
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
CA		0/2	0/18	1/48	0/53	0/88	1/126	6/152	12/200	13/224	10/215	9/180	8/175	19/115	16/136	45/126	49/121	17/61	3/40	0/0	0/0	0/0	0/0	0/0	0/0	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).