



West Nile Virus National Surveillance Report

English Edition

July 31, 2005 - August 06, 2005 (Week 31)

Canada

Human:

During week 31, ten West Nile virus (WNV) cases of human illness were reported in Nova Scotia (1), Quebec (1), Ontario (4), Manitoba (2), Saskatchewan (1), and Alberta (1). As of 6 August 2005, a total of eleven human WNV cases have been reported to the Public Health Agency of Canada (PHAC). Of the 11 cases, nine were clinical cases and two were asymptomatic. Of the 9 clinical cases, 3 (33%) were reported as West Nile Neurological Syndrome, 5 (56%) were reported as West Nile Non-Neurological Syndrome, and 1 (11%) was Other Clinical / Unspecified. The case in Nova Scotia is travel-related (see human table).

Bird:

Over the one week period from July 31 to August 6, nine new health units [Ontario (6) and Quebec (3)] reported dead birds positive for WNV. Of the 212 dead birds tested, 41 (19%) were reported positive for WNV within week 31 (see bird table). To date, positive dead birds have been reported in 22 health units in Ontario (Algoma, Chatham-Kent, Huron County, Oxford County, Timiskaming, York Regional, Halton, Hastings -Prince Edward, Lambton, Middlesex-London, North Bay, Northwestern, City of Ottawa, Peterborough, Thunder Bay, Toronto, Brant, Eastern Ontario, Hamilton-Wentworth, Peel, Simcoe, and Waterloo), 8 health regions in Manitoba (Winnipeg, North Eastman, Interlake, Brandon, Central, Assiniboine, South Eastman, and Parkland), 4 health regions in Quebec (Laval, Mauricie et Centre-du-Quebec, Monteregie, and Laurentides) and one health region in Saskatchewan (Regina Qu'Appelle). A total of 2696 dead birds have been tested since 2 May 2005, of which 104 (3.9 %) were positive for WNV. Ninety (90) of the 104 positive birds were American Crows.

Domestic Animal:

As of week 31, no WNV positive domestic animals have been reported to the Public Health Agency of Canada (PHAC).

Mosquito:

As of week 31, mosquito pools positive for WNV have been reported in Manitoba (50), Ontario (23), Saskatchewan (21) and Quebec (1).

National West Nile virus surveillance data and maps can be found on the Public Health Agency of Canada (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

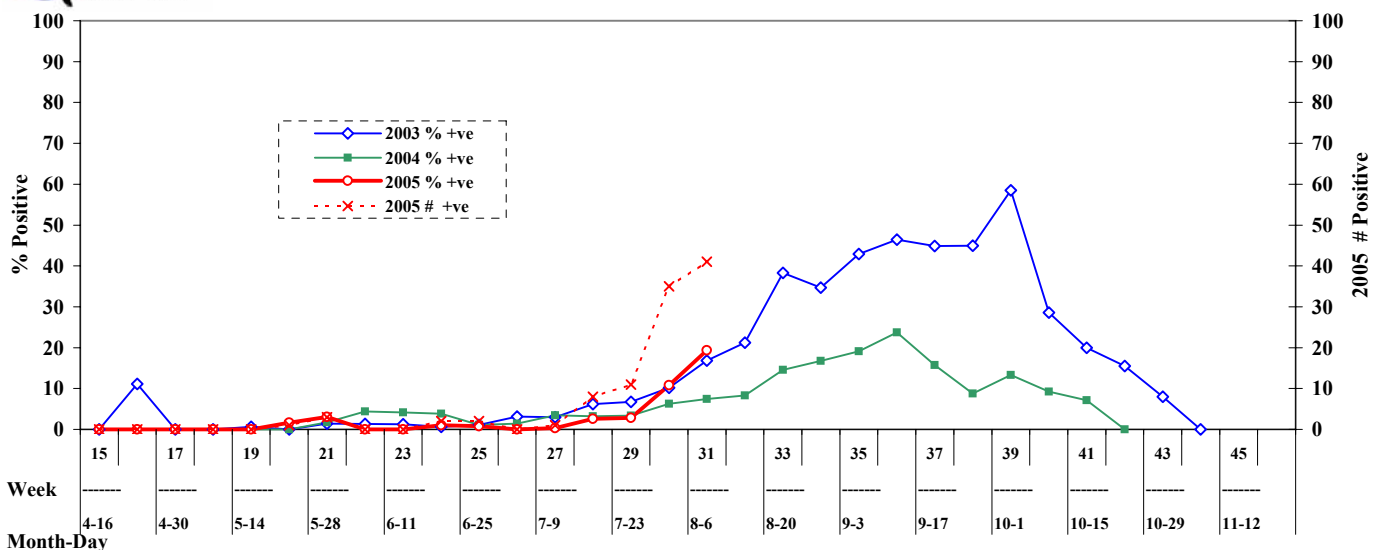
Human:

Between 01 January and 9 August 2005, a total of 187 WNV cases of human illness were reported in the U.S. [Arizona (16), Arkansas (2), California (84), Colorado (11), Florida (3), Georgia (1), Illinois (3), Indiana (1), Kansas (3), Louisiana (1), Minnesota (6), Mississippi (4), Missouri (2), Nevada (1), New Mexico (3), New York (3), North Carolina (1), North Dakota (6), Ohio (1), Pennsylvania (3), South Dakota (28), and Texas (4)]. Of the 187 cases, 59 (32%) were reported as WN Neuroinvasive Disease, 112 (60%) were reported as WN Fever (Non-Neuroinvasive Disease), and 16 (9%) were Other Clinical / Unspecified. To date, three deaths have been reported.

States: Detailed State information can be accessed through the Centers for Disease Control and Prevention (CDC) web site: <http://www.cdc.gov/ncidod/dvbid/westnile/surv&control.htm>



Percentage of Dead Birds¹ Tested Positive for WNV, by Report Week, Canada 2003, 2004 & 2005, and Number of Dead Birds¹ Tested Positive for WNV, by Report Week, Canada 2005



2005 Report Week and End-of-week Date (Month-Day)

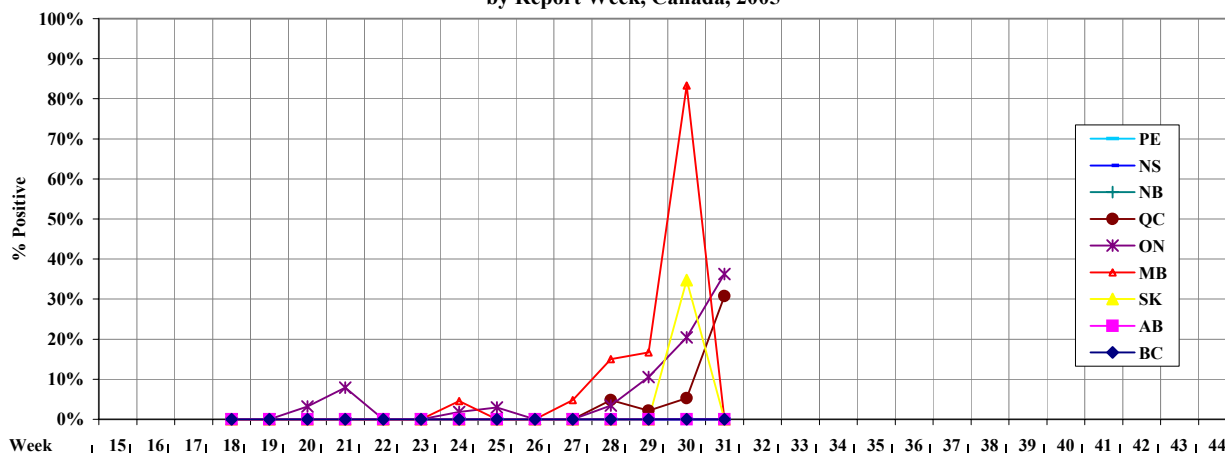
¹ Mostly corvids (e.g. crows, blue jays, grey jays, scrub jays, stellar jays, magpies, and ravens).

**Dead Bird¹ WNV Test Results for Current Report Week and Year-to-Date,
by Province/Territory, Canada, 2005**

Provinces / Territories	July 31, 2005 - August 06, 2005 (Week 31)				Year-to-Date: August 6, 2005			
	No. tests	No. positive tests			No. tests	No. positive tests		
		Presumptive ²	Confirmed	Total		Presumptive ²	Confirmed	Total
NL	0	0	0	0	0	0	0	0
PE	4	0	0	0	66	0	0	0
NS	13	0	0	0	120	0	0	0
NB	23	0	0	0	198	0	0	0
QC	26	0	8	8	296	0	13	13
ON	91	2	31	33	813	2	69	71
MB	0	0	0	0	161	0	12	12
SK	7	0	0	0	99	0	8	8
AB	3	0	0	0	129	0	0	0
BC	45	0	0	0	807	0	0	0
YT	0	0	0	0	0	0	0	0
NT	0	0	0	0	7	0	0	0
NU	0	0	0	0	0	0	0	0
Canada	212	2	39	41	2696	2	102	104

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 (YT), Northwest Territories (NT), Nunavut (NU)

**Percentage of Dead Birds¹ Tested Positive for WNV, by Province/Territory,
by Report Week, Canada, 2005**



Week	15	16	17	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	
PE				0/0	0/0	0/1	0/2	0/0	0/4	0/2	0/4	0/9	0/10	0/14	0/10	0/6	0/4														
NS				0/0	0/0	0/0	0/2	0/1	0/2	0/9	0/0	0/3	0/19	0/20	0/30	0/21	0/13														
NB				0/0	0/0	0/0	0/0	0/0	0/4	0/17	0/19	0/45	0/26	0/41	0/23	0/23															
QC				0/0	0/0	0/0	0/0	0/0	0/10	0/25	0/30	0/45	0/33	2/42	1/47	2/38	8/26														
ON				0/0	0/8	1/31	3/38	0/48	0/68	1/54	2/67	0/70	0/77	3/87	8/76	20/98	33/91														
MB				0/0	0/0	0/6	0/10	0/14	0/7	1/22	0/20	0/23	1/21	3/20	2/12	5/6	0/0														
SK				0/0	0/0	0/3	0/6	0/1	0/2	0/4	0/8	0/9	0/7	0/18	0/11	8/23	0/7														
AB				0/0	0/0	0/0	0/0	0/0	0/6	0/4	0/7	0/6	0/15	0/74	0/14	0/3															
BC				0/3	0/10	0/21	0/39	0/42	0/68	0/73	0/93	0/73	0/83	0/71	0/90	0/96	0/45														
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														
NT				0/0	0/0	0/0	0/0	0/1	0/0	0/0	0/1	0/1	0/4	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														
CA ³				0/3	0/18	1/62	3/97	0/107	0/161	2/199	2/244	0/259	1/305	8/313	11/39	35/324	41/212														

¹ Mostly corvids (e.g. crows, blue jays, grey jays, scrub jays, stellar jays, magpies, and ravens)

² Requires additional testing before it can be considered a confirmed result

³ Canada weekly proportion positive

**WNV Human Cases for Current Report Week and Year-to-Date,
by Province/Territory, Canada, 2005**

Provinces Territories	Report Week: July 31, 2005 - August 6, 2005 (Week 31)									
	WNNS		WN Non-NS ⁵		Unspecified	WNAI		Total clinical cases ⁶	No. of travel related cases ⁷	No. deaths
	Prob ⁴	Conf	Prob ⁴	Conf		Prob ⁴	Conf			
NL	0	0	0	0	0	0	0	0	0	0
PE	0	0	0	0	0	0	0	0	0	0
NS	1	0	0	0	0	0	0	1	1	0
NB	0	0	0	0	0	0	0	0	0	0
QC	0	0	0	0	1	0	0	1	0	0
ON	0	0	2	0	0	2	0	2	0	0
MB	1	0	1	0	0	0	0	2	0	0
SK	0	0	1	0	0	0	0	1	0	0
AB	0	0	0	1	0	0	0	1	0	0
BC	0	0	0	0	0	0	0	0	0	0
YT	0	0	0	0	0	0	0	0	0	0
NT	0	0	0	0	0	0	0	0	0	0
NU	0	0	0	0	0	0	0	0	0	0
Canada	2	0	4	1	1	2	0	8	1	0

Provinces Territories	Year-to-Date: August 6, 2005									
	WNNS		WN Non-NS ⁵		Unspecified	WNAI		Total clinical cases ⁶	No. of travel related cases ⁷	No. deaths
	Prob ⁴	Conf	Prob ⁴	Conf		Prob ⁴	Conf			
NL	0	0	0	0	0	0	0	0	0	0
PE	0	0	0	0	0	0	0	0	0	0
NS	1	0	0	0	0	0	0	1	1	0
NB	0	0	0	0	0	0	0	0	0	0
QC	0	0	0	0	1	0	0	1	0	0
ON	1	0	2	0	0	2	0	3	0	0
MB	1	0	1	0	0	0	0	2	0	0
SK	0	0	1	0	0	0	0	1	0	0
AB	0	0	0	1	0	0	0	1	0	0
BC	0	0	0	0	0	0	0	0	0	0
YT	0	0	0	0	0	0	0	0	0	0
NT	0	0	0	0	0	0	0	0	0	0
NU	0	0	0	0	0	0	0	0	0	0
Canada	3	0	4	1	1	2	0	9	1	0

Abbreviations: Probable (Prob); Confirmed (Conf); 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 (YT), Northwest Territories (NT), Nunavut (NU)

⁴ Requires additional testing before it can be considered a confirmed result

⁵ West Nile Non-Neurological Syndrome (WN Non-NS)

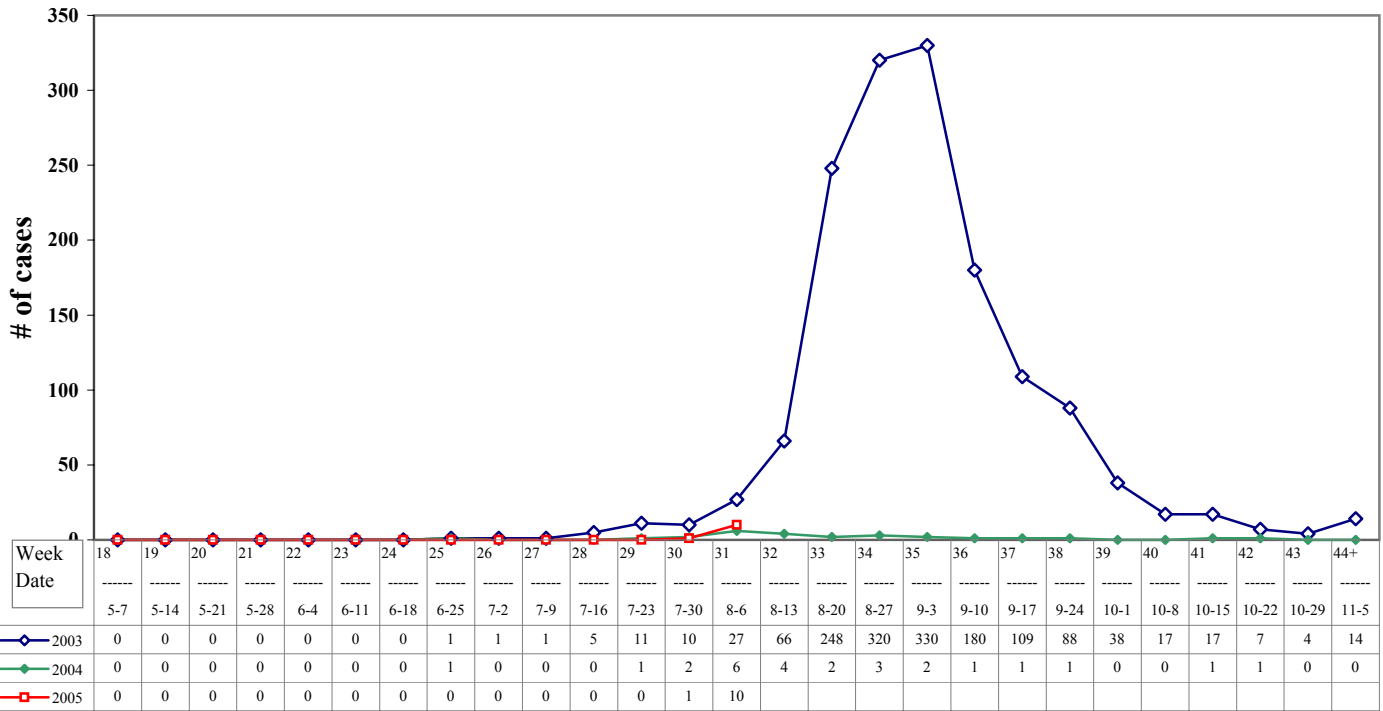
⁶ Total clinical cases is the sum of WNNS + WN Non-NS + Unspecified

⁷ 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:

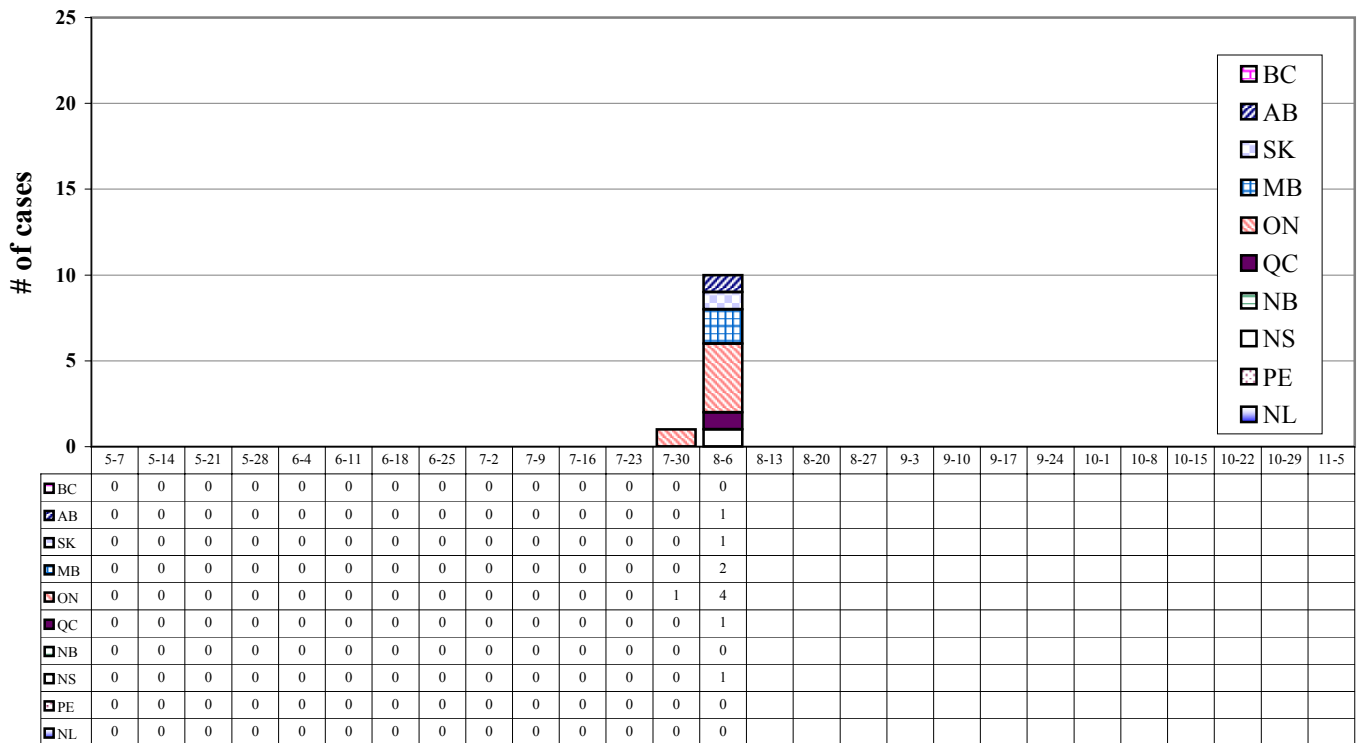
http://www.phac-aspc.gc.ca/wmv-vwn/mon_e.html

WNV Human Cases, by Report Week, Canada, 2003 to 2005



2005 Report Week and End-of-week Date
2003, 2004, and 2005 by available episode date ⁸

WNV Human Cases, by Province/Territory, by Report Week, Canada, 2005



⁸ Episode date could include one of the following: onset date, diagnosis date, lab sample date, reporting date