



# West Nile Virus National Surveillance Report

English Edition

August 21, 2005 - August 27, 2005 (Week 34)

## Canada

### Human:

During week 34, 19 West Nile virus (WNV) cases were reported in Canada [ Quebec (1), Ontario (1), Manitoba (14), and Alberta (3)]. As of the 27 August 2005, a total of 72 human WNV cases have been reported to the Public Health Agency of Canada (PHAC). Of these cases, 64 were clinical cases and 8 were asymptomatic. Of the 64 clinical cases, 19 (30%) were reported as West Nile Neurological Syndrome, 36 (56%) were reported as West Nile Non-Neurological Syndrome, and 9 (14%) were Unspecified. Five cases are travel-related. To date, there have been three deaths [Manitoba (1), Ontario (2)] related to WNV infection.

### Bird:

During week 34, 216 dead birds were tested and 74 (34%) were reported positive for WNV (see bird table). Four new health units reported dead birds positive for WNV [ 1 in Alberta (Chinook), 2 in Saskatchewan (Sun Country & Saskatoon), and 1 in Ontario (Sudbury)]. A total of 3407 dead birds have been tested since 2 May 2005, of which 327 (9.6%) were positive for WNV. 248 (76%) of the 327 positive birds were identified as American Crow and 78 (24%) of them were identified as Blue Jay.

### Domestic Animal:

As of week 34, seven horses positive for WNV were reported in Manitoba (3) and Saskatchewan (4).

### Mosquito:

As of week 34, 510 mosquito pools positive for WNV were reported in Alberta (1), Saskatchewan (87), Manitoba (188), Ontario (188) and Quebec (46).

**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

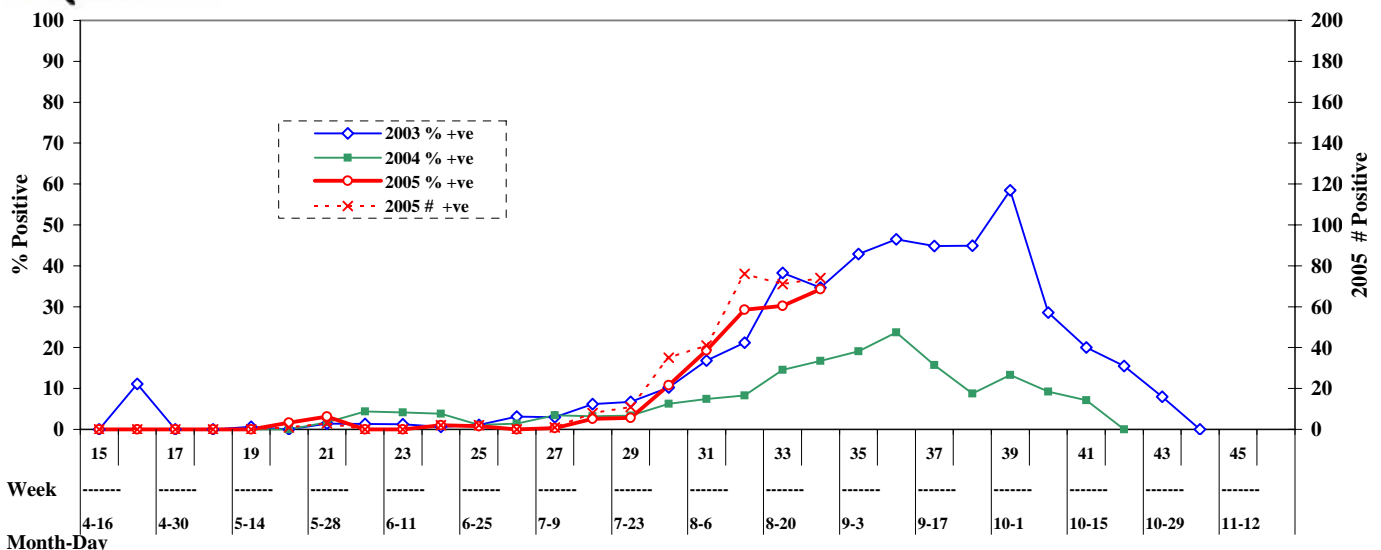
### Human:

Between 01 January and 30 August 2005, a total of 689 WNV cases were reported to the Centers for Disease Control and Prevention (CDC) in the U.S. Of the 689 cases, 275 (40%) were reported as WN Neuroinvasive Disease, 384 (56%) were reported as WN Fever (Non-Neuroinvasive Disease), and 30 (4%) were Unspecified. To date, sixteen deaths have been reported.

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



Percentage of Dead Birds<sup>1</sup> Tested Positive for WNV, by Report Week, Canada 2003, 2004 & 2005, and Number of Dead Birds<sup>1</sup> Tested Positive for WNV, by Report Week, Canada 2005



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

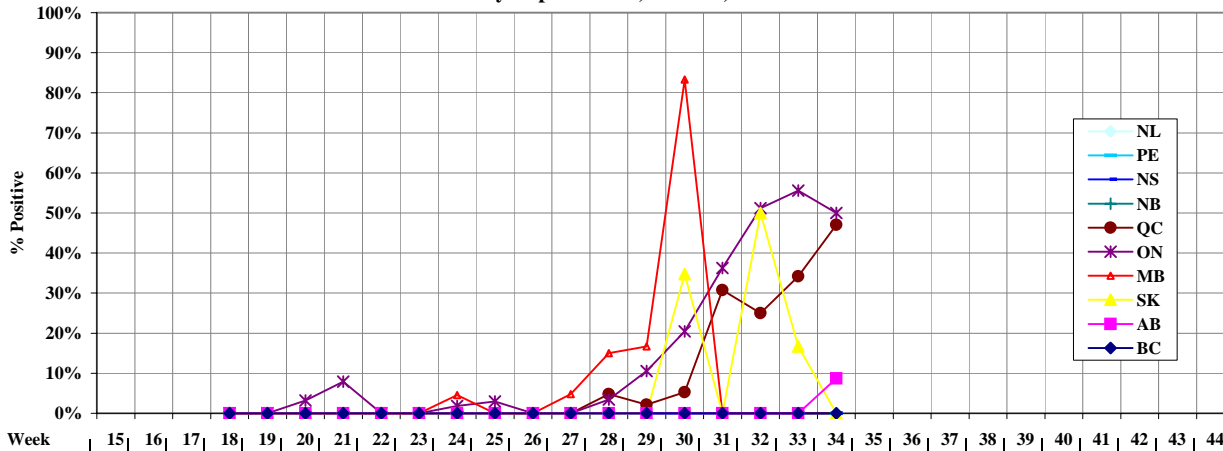
<sup>1</sup> Mostly corvids (e.g. crows, blue jays, grey jays, scrub jays, stellar jays, magpies, and ravens).

**Dead Bird<sup>1</sup> WNV Test Results for Current Report Week and Year-to-Date,  
by Province/Territory, Canada, 2005**

Provinces / Territories	August 21, 2005 - August 27, 2005 (Week 34)				Year-to-Date: August 27, 2005 (Week 34)			
	No. tests	No. positive tests			No. tests	No. positive tests		
		Presumptive <sup>2</sup>	Confirmed	Total		Presumptive <sup>2</sup>	Confirmed	Total
NL	0	0	0	0	0	0	0	0
PE	4	0	0	0	77	0	0	0
NS	9	0	0	0	150	0	0	0
NB	5	0	0	0	232	0	0	0
QC	51	0	24	24	420	0	59	59
ON	96	2	46	48	1135	2	238	240
MB	0	0	0	0	161	0	12	12
SK	0	0	0	0	117	0	13	13
AB	23	0	2	2	180	0	3	3
BC	28	0	0	0	928	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
<b>Canada</b>	<b>216</b>	<b>2</b>	<b>72</b>	<b>74</b>	<b>3407</b>	<b>2</b>	<b>325</b>	<b>327</b>

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 Birds<sup>1</sup> 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
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										
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	0/4	0/3	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	0/13	0/8	0/9										
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	0/13	0/16	0/5											
QC				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	8/32	14/41	24/51											
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	65/127	55/99	48/96										
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	0/0	0/0	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	3/6	2/12	0/0										
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	0/15	0/13	2/23											
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	0/50	0/43	0/28										
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										
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	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										
CA <sup>3</sup>				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	41/214	76/260	71/235	74/216										

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

<sup>2</sup> Requires additional testing before it can be considered a confirmed result

<sup>3</sup> Canada weekly proportion positive

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

Provinces Territories	Report Week: August 21, 2005 - August 27, 2005 (Week 34)									
	WNNS		WN Non-NS <sup>5</sup>		Unspecified	WNAI		Total clinical cases <sup>6</sup>	No. of travel related cases <sup>7</sup>	No. deaths
	Prob <sup>4</sup>	Conf	Prob <sup>4</sup>	Conf		Prob <sup>4</sup>	Conf			
NL	0	0	0	0	0	0	0	0	0	0
PE	0	0	0	0	0	0	0	0	0	0
NS	0	0	0	0	0	0	0	0	0	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	0	1	0	0	0	1	0	0
MB	4	0	6	0	2	0	2	12	1	1
SK	0	0	0	0	0	0	0	0	0	0
AB	1	0	2	0	0	0	0	3	2	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	5	0	8	1	3	0	2	17	3	1
Provinces Territories	Year-to-Date: August 27, 2005 (Week 34)									
	WNNS		WN Non-NS <sup>5</sup>		Unspecified	WNAI		Total clinical cases <sup>6</sup>	No. of travel related cases <sup>7</sup>	No. deaths
	Prob <sup>4</sup>	Conf	Prob <sup>4</sup>	Conf		Prob <sup>4</sup>	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	1	0	0	0	1	0	0	2	0	0
ON	1	4	2	13	0	0	4	20	1	2
MB	9	0	14	0	2	0	3	25	1	1
SK	1	0	3	0	6	0	1	10	0	0
AB	1	1	2	2	0	0	0	6	2	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	14	5	21	15	9	0	8	64	5	3

**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)

<sup>4</sup> Requires additional testing before it can be considered a confirmed result

<sup>5</sup> West Nile Non-Neurological Syndrome (WN Non-NS)

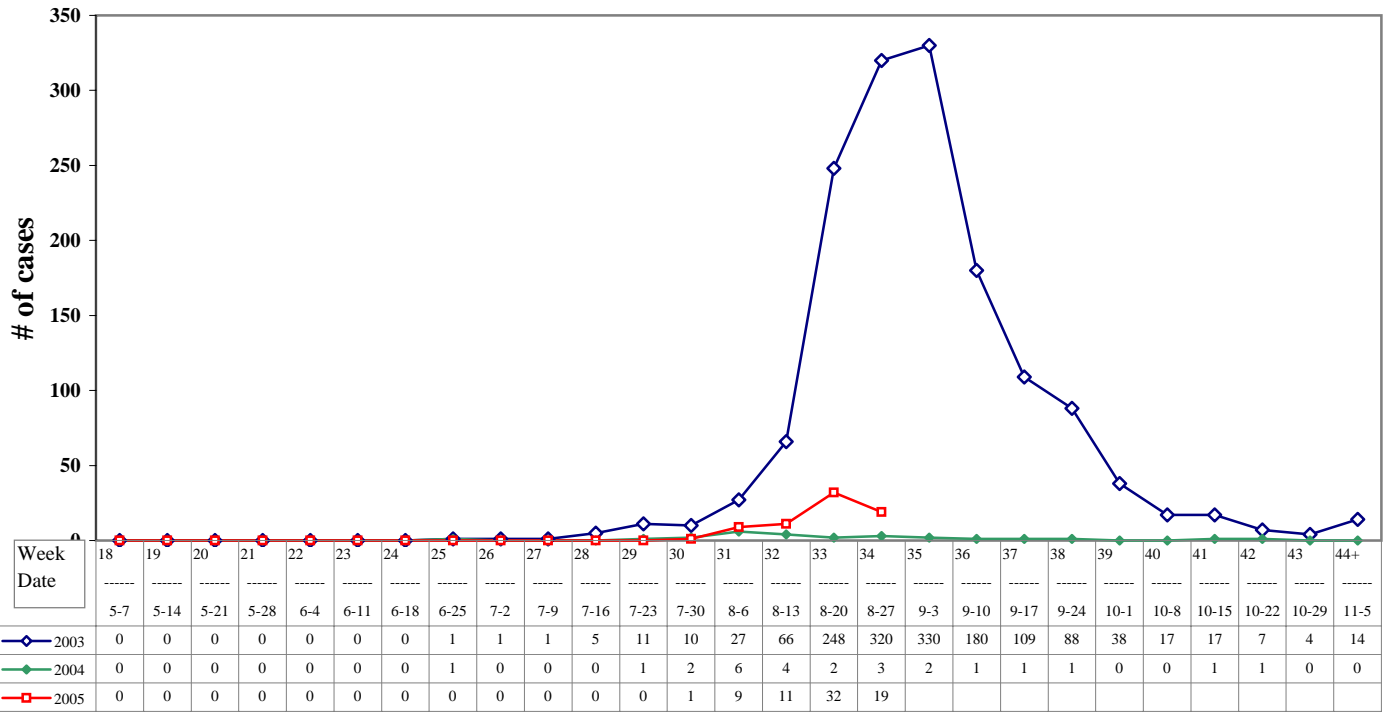
<sup>6</sup> Total clinical cases is the sum of WNNS + WN Non-NS + Unspecified

<sup>7</sup> 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:*

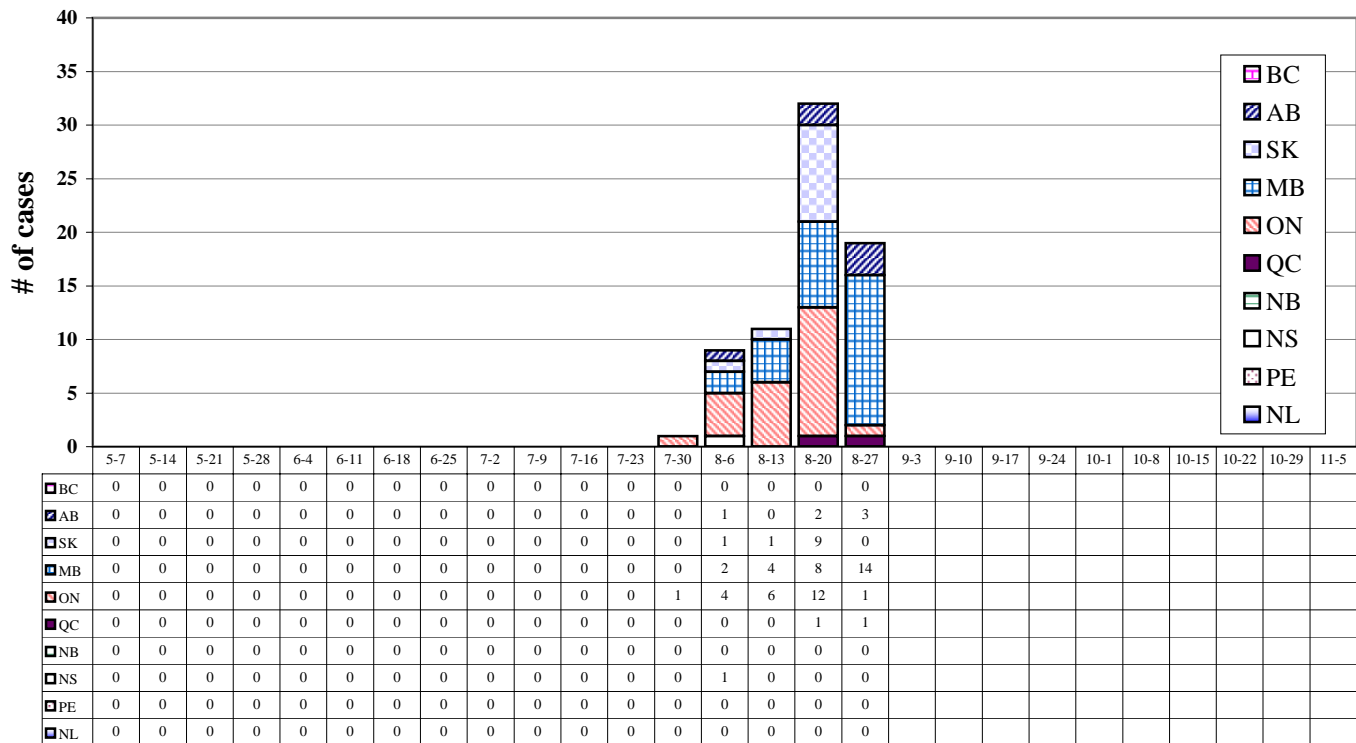
[http://www.phac-aspc.gc.ca/wnv-vwn/mon\\_e.html](http://www.phac-aspc.gc.ca/wnv-vwn/mon_e.html)

### WNV Human Cases, Canada, 2003 to 2005



**2005 Report Week and End-of-week Date**  
**2003, 2004, and 2005 by available episode date <sup>8</sup>**

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



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