



# West Nile Virus National Surveillance Report

English Edition

August 28, 2005 - September 3, 2005 (Week 35)

## Canada

### Human:

During week 35, 41 West Nile virus (WNV) cases were reported in Canada [Quebec (3), Ontario (18), Manitoba (9), Saskatchewan (10) and Alberta (1)]. As of 3 September 2005, a total of 127 human WNV cases have been reported to the Public Health Agency of Canada (PHAC). Of these cases, 119 were clinical cases and 8 were asymptomatic. Of the 119 clinical cases, 27 (23%) were reported as West Nile Neurological Syndrome, 66 (56%) were reported as West Nile Non-Neurological Syndrome, and 26 (22%) were Unclassified/Unspecified. Thirteen cases are travel-related. To date, there have been three deaths [Manitoba (1) and Ontario (2)] related to WNV infection.

### Bird:

During week 35, 147 dead birds were tested and 39 (27%) were reported positive for WNV (see bird table). No new health units reported dead birds positive for WNV within week 35. A total of 3554 dead birds have been tested since 2 May 2005, of which 365 (10%) were positive for WNV. Of the 365 positive birds, 276 (76%) were identified as American Crow and 88 (24%) of them were identified as Blue Jay.

### Domestic Animal:

As of week 35, seven horses positive for WNV were reported in Manitoba (3) and Saskatchewan (4).

### Mosquito:

As of week 35, 548 mosquito pools positive for WNV were reported in Alberta (1), Saskatchewan (87), Manitoba (190), Ontario (224) 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

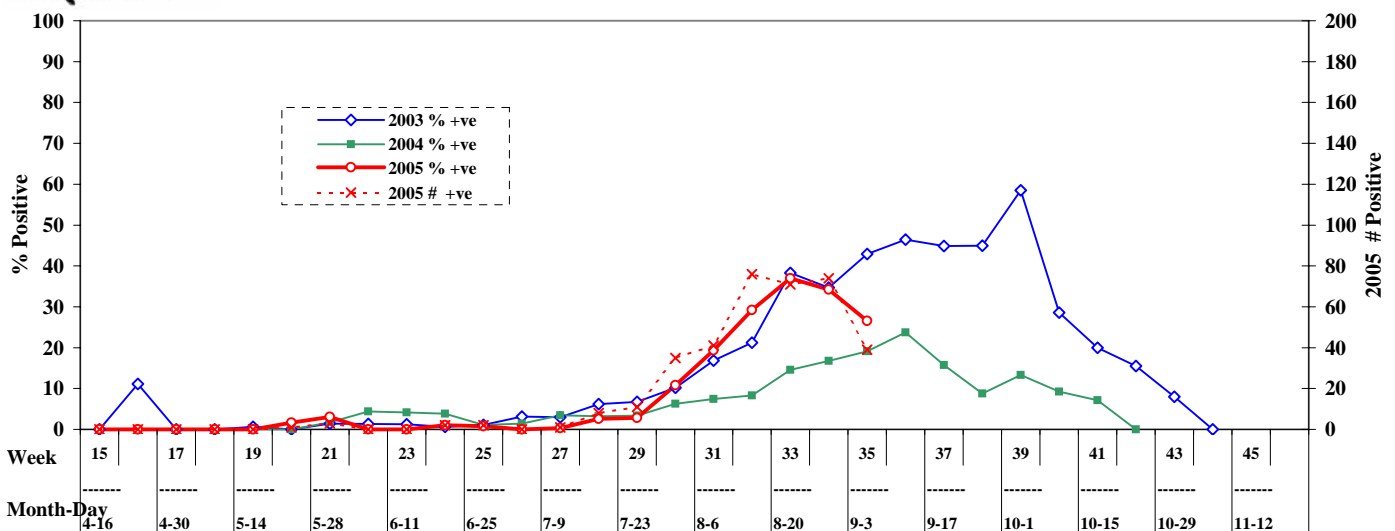
### Human:

Between January 1 and September 6, 2005, a total of 821 WNV cases were reported to the Centers for Disease Control and Prevention (CDC) in the U.S. Of the 821 cases, 333 (41%) were reported as WN Neuroinvasive Disease, 450 (55%) were reported as WN Fever (Non-Neuroinvasive Disease), and 38 (5%) were Unspecified. To date, eighteen 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)

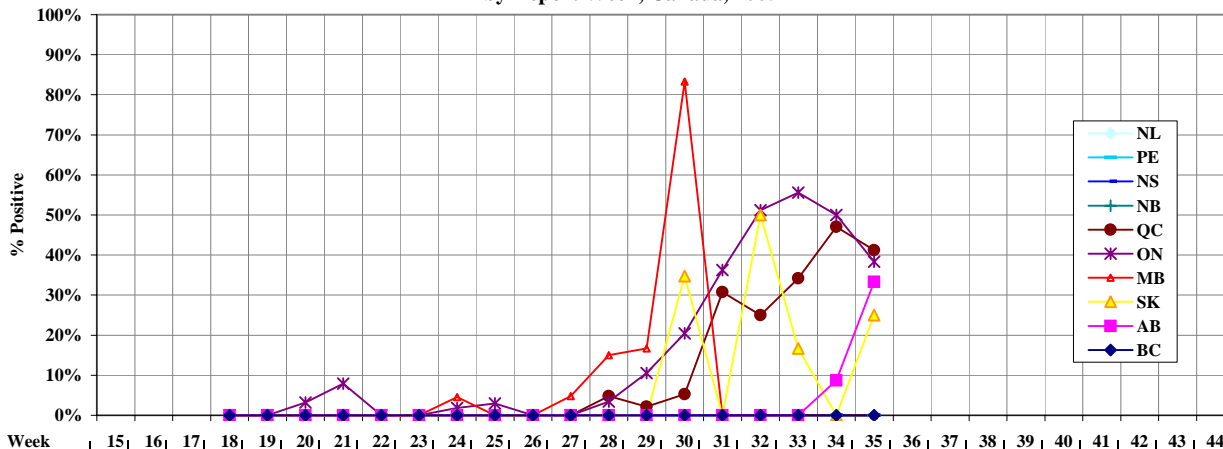
<sup>1</sup> Mostly corvids (e.g. crows, blue jays, grey jays, scrub jays, stellar jays, magpies, and ravens).

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

Provinces / Territories	August 28, 2005 - September 3, 2005 (Week 35)				Year-to-Date: September 3, 2005 (Week 35)			
	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	3	0	0	0	80	0	0	0
NS	15	0	0	0	165	0	0	0
NB	8	0	0	0	240	0	0	0
QC	34	0	14	14	454	0	73	73
ON	60	0	23	23	1195	0	262	262
MB	0	0	0	0	161	0	12	12
SK	4	0	1	1	121	0	14	14
AB	3	0	1	1	183	0	4	4
BC	20	0	0	0	948	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>147</b>	<b>0</b>	<b>39</b>	<b>39</b>	<b>3554</b>	<b>0</b>	<b>365</b>	<b>365</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	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	0/3									
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	0/15									
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	0/8										
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	14/34										
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	23/60									
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	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	1/4									
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	1/3										
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	0/50	0/0	0/28	0/20									
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									
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	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									
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	71/192	74/216	39/147									

<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 28, 2005 - September 3, 2005 (Week 35)									
	West Nile Virus Neurological Syndrome		West Nile Virus Non-Neurological Syndrome		Unclassified / Unspecified	Total Clinical Cases <sup>5</sup>	No. of travel related cases <sup>6</sup>	No. deaths	West Nile Virus Asymptomatic Infection	
	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	1	0	1	2	1	0	1	0
ON	0	0	0	0	0	17	2	0	0	1
MB	0	0	3	0	6	9	1	0	0	0
SK	1	0	3	0	6	10	0	0	0	0
AB	0	0	0	1	0	1	0	0	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	1	0	7	1	13	39	4	0	1	1
Provinces Territories	Year-to-Date: September 3, 2005 (Week 35)									
	West Nile Virus Neurological Syndrome		West Nile Virus Non-Neurological Syndrome		Unclassified / Unspecified	Total Clinical Cases <sup>5</sup>	No. of travel related cases <sup>6</sup>	No. deaths	West Nile Virus Asymptomatic Infection	
	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	1	1	0	0	0
NB	0	0	0	0	0	0	0	0	0	0
QC	0	1	1	0	2	4	1	0	1	0
ON	3	8	10	15	2	38	7	2	0	4
MB	9	0	19	0	6	34	2	1	0	3
SK	3	0	14	2	16	35	0	0	0	0
AB	1	1	2	3	0	7	2	0	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	17	10	46	20	26	119	13	3	1	7

**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

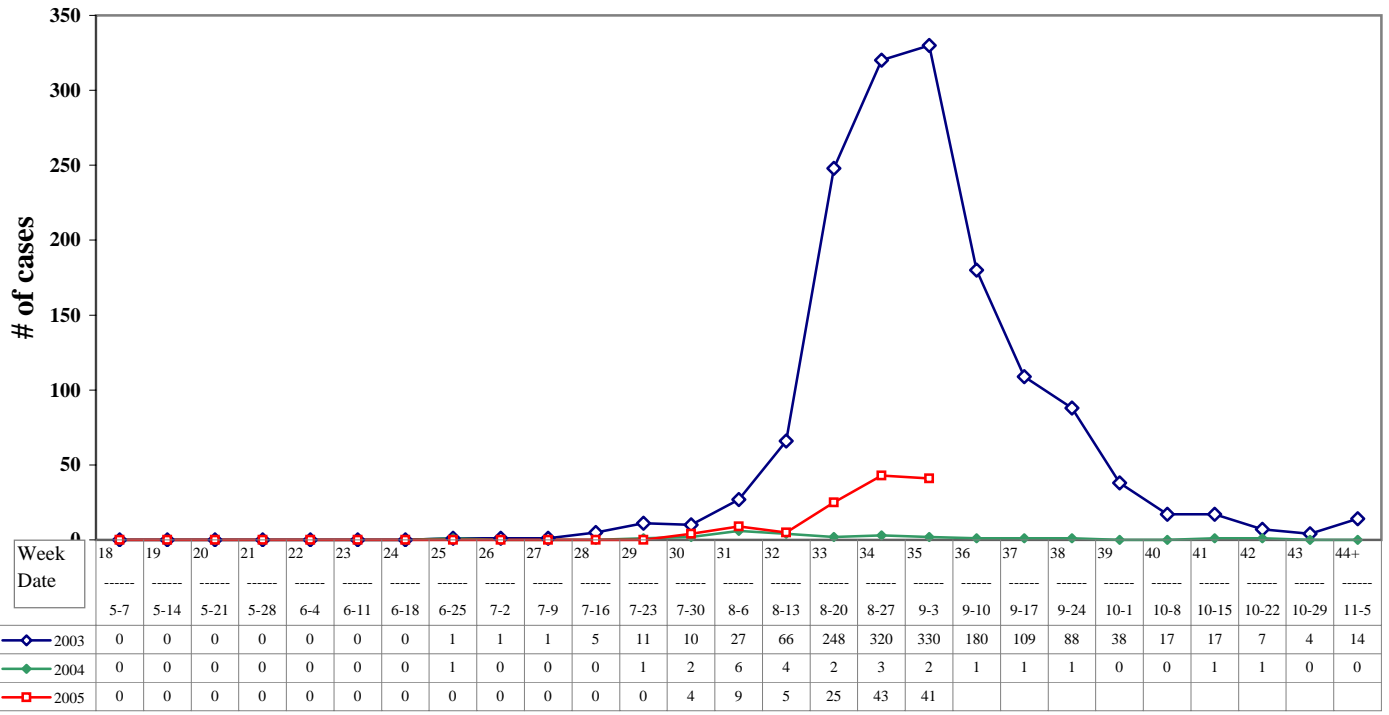
<sup>5</sup> Total clinical cases is the sum of WNNS + WN Non-NS + Unspecified

<sup>6</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/hmncasedef\\_e.html](http://www.phac-aspc.gc.ca/wnv-vwn/hmncasedef_e.html)

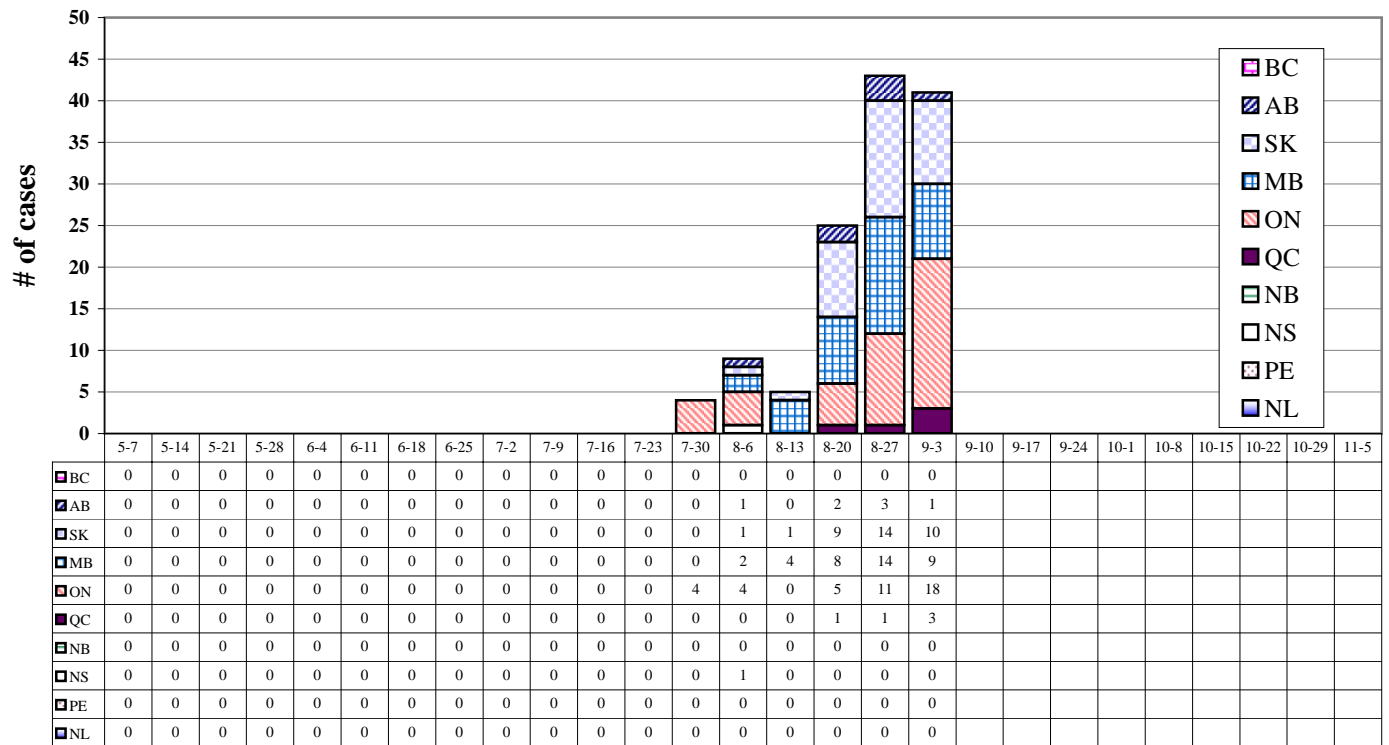
### WNV Human Cases, Canada, 2003 to 2005



2005 Report Week and End-of-week Date

Note: 2003, 2004, and 2005 by available episode date <sup>7</sup>

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



<sup>7</sup> Episode date could include one of the following: onset date, diagnosis date, lab sample date, reporting date