



### West Nile Virus National Surveillance Report English Edition

September 28, 2008 to October 4, 2008 (Week 40)

#### Canada

##### Human:

During week 40, no new human cases with West Nile virus (WNV) infection have been reported to the Public Health Agency of Canada (PHAC). As of week 40, a total of thirty-five (35) human WNV clinical cases [Ontario (3), Manitoba (13), Saskatchewan (17), Alberta (1), and British Columbia (1)] and one (1) WNV asymptomatic infection in Quebec have been reported to the PHAC. Of the 35 cases, three (9%) were classified as West Nile Neurological Syndrome, twenty-eight (80%) as West Nile Non-Neurological Syndrome, and four (11%) as unclassified. No deaths have been reported. There have been four travel related cases [Manitoba (1), Saskatchewan (1), Alberta (1), and British Columbia (1)] reported in Canada.

##### Bird:

As of week 40, a total of 1001 dead birds have been tested by the Canadian Cooperative Wildlife Health Centre, of which 149 (15%) were positive for WNV. All 149 positive birds were reported in Ontario. The positive birds were American Crows (85%) and Blue Jays (15%).

##### Mosquito:

As of week 40, one hundred and thirteen (113) mosquito pools with WNV infection have been identified in Canada [Ontario (53), Manitoba (41) and Saskatchewan (19)].

##### Domestic Animal:

As of week 40, four horses with WNV infection [Ontario (2), and Saskatchewan (2)] have been reported to the Canadian Food Inspection Agency.

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.

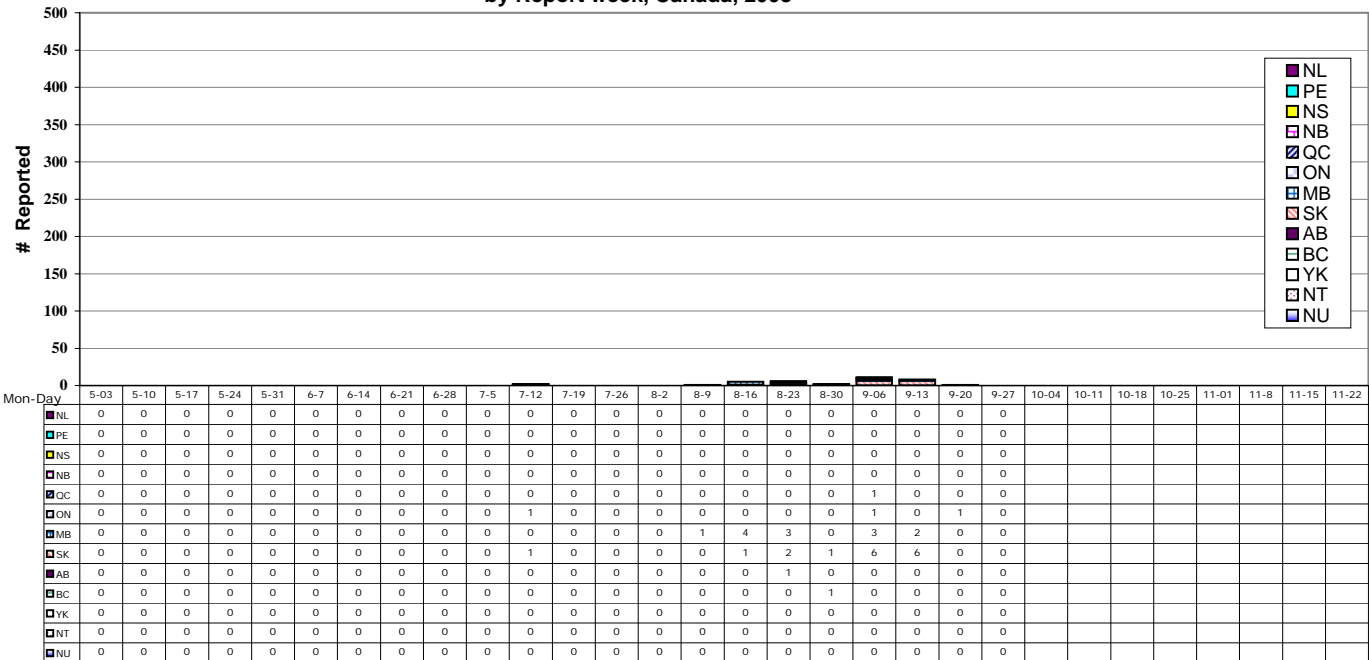
#### United States

##### Human:

As of October 7, 2008, one thousand and thirty (1030) human WNV clinical cases and one hundred and thirty (130) presumptively positive viremic blood donors have been reported to the Centers for Disease Control and Prevention (CDC) in the U.S. Of the 1030 cases, 465 (45%) were reported as West Nile meningitis or encephalitis (neuroinvasive disease) and 532 (52%) as West Nile fever, and 33 (3%) were clinical unspecified. Twenty (20) deaths have been 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 Clinical Cases and Asymptomatic Infections, by Province/Territory, by Report week, Canada, 2008



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 Clinical Cases and Asymptomatic Infections for the Current Report Week and Year-to-Date,  
by Province/Territory, Canada, 2008**

Provinces Territories	Report Week: September 28, 2008 to October 4, 2008 (Week 40)					
	West Nile Virus Neurological Syndrome (WNNS)	West Nile Virus Non- Neurological Syndrome (WN Non_NS)	Unclassified / Unspecified	Total Clinical Cases <sup>1</sup>	No. of travel related cases <sup>2</sup>	West Nile Virus Asymptomatic Infections <sup>3</sup>
	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
<b>Canada</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Provinces Territories	Year-to-Date: May 25, 2008 to October 4, 2008					
	West Nile Virus Neurological Syndrome (WNNS)	West Nile Virus Non- Neurological Syndrome (WN Non_NS)	Unclassified / Unspecified	Total Clinical Cases <sup>1</sup>	No. of travel related cases <sup>2</sup>	West Nile Virus Asymptomatic Infections <sup>3</sup>
	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	1
ON	0	2	1	3	0	0
MB	2	8	3	13	1	0
SK	1	16	0	17	1	0
AB	0	1	0	1	1	0
BC	0	1	0	1	1	0
YT	0	0	0	0	0	0
NT	0	0	0	0	0	0
NU	0	0	0	0	0	0
<b>Canada</b>	<b>3</b>	<b>28</b>	<b>4</b>	<b>35</b>	<b>4</b>	<b>1</b>

<sup>1</sup> Total clinical cases is the sum of both probable and confirmed: WNNS, WN Non-NS and Unclassified / Unspecified

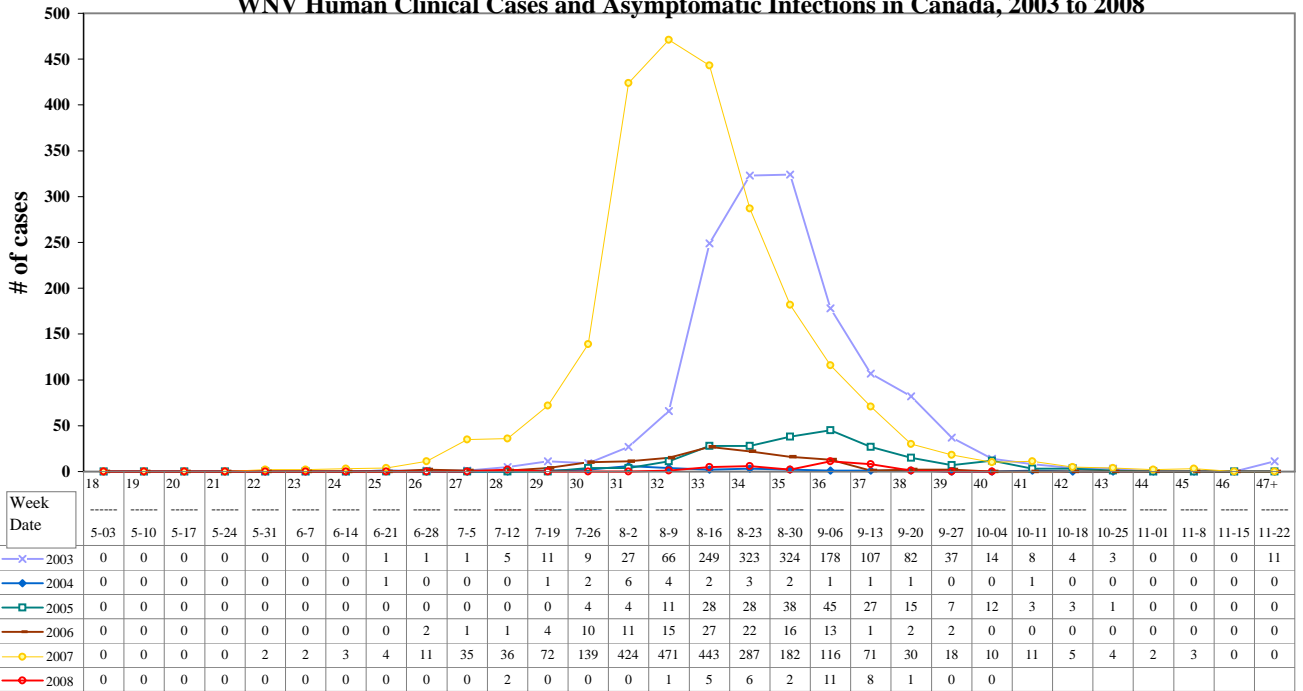
<sup>2</sup> Likely related to travel outside the province / territory

<sup>3</sup> Satisfies West Nile virus diagnostic test criteria IN THE ABSENCE of clinical criteria. This category could include asymptomatic blood donors whose blood is screened using a Nucleic Acid Amplification Test (NAT), by Blood Operators (i.e. Canadian Blood Services or Hema-Quebec) and is subsequently brought to the attention of public health officials. Blood Operators in Canada perform a supplementary WN virus-specific NAT following any positive donor screen test result.

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 Clinical Cases and Asymptomatic Infections in Canada, 2003 to 2008**



**Report Week by Episode date <sup>4</sup>**

**Cumulative number of WNV positive mosquito pools tested by week, by province/territory, in Canada<sup>5</sup> 2008**

Provinces/Territories	Cumulative Total Tested by Report Week																													
	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	45	46
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					
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					
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					
NB <sup>6</sup>	0	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 <sup>6</sup>	0	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	1	2	2	2	2	9	19	32	40	53	53	53	53	53						
MB	0	0	0	0	0	0	0	0	0	0	0	0	0	7	21	27	31	36	40	41	41	41	41	41						
SK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	11	19	19	19	19	19	19	19						
AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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						
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						
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						
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						
<b>Canada</b>	0	0	0	0	0	0	0	0	0	0	1	2	2	9	24	42	61	87	99	113	113	113	113	113						

<sup>4</sup> Episode date could include one of the following: symptom onset date, diagnosis date, lab sample date, or reporting date.

<sup>5</sup> Detailed WNV mosquito surveillance data can be accessed through provincial/territorial web sites.

<sup>6</sup> These provinces are not conducting mosquito surveillance as part of their WNV surveillance program in 2008.

