



West Nile Virus National Surveillance Report English Edition

Summary of 2008 WNV Season

Canada

Human:

During the 2008 WNV season, 36 human clinical cases [Quebec (2), Ontario (3), Manitoba (12), Saskatchewan (17), Alberta (1), and British Columbia (1)] and two (2) WNV asymptomatic infections [Quebec (1) and Ontario (1)] were reported to the Public Health Agency of Canada. Of the 36 cases, five (14%) were classified as West Nile Neurological Syndrome, twenty-nine (81%) as West Nile Non-Neurological Syndrome, and two (5%) as unclassified. No deaths were reported. There were three travel related cases [Saskatchewan (1), Alberta (1), and British Columbia (1)] reported.

Bird:

During the 2008 WNV season, a total of 1016 dead birds were tested by the Canadian Cooperative Wildlife Health Centre, of which 150 (15%) were positive for WNV. All 150 positive birds were reported in Ontario. The positive birds were American Crows (85%) and Blue Jays (15%).

Mosquito:

During the 2008 WNV season, one hundred and twenty-two (122) mosquito pools with WNV infection were identified in Canada [Ontario (62), Manitoba (41) and Saskatchewan (19)].

Domestic Animal:

During the 2008 WNV season, six horses with WNV infection [Quebec (2), Ontario (2), and Saskatchewan (2)] were 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.

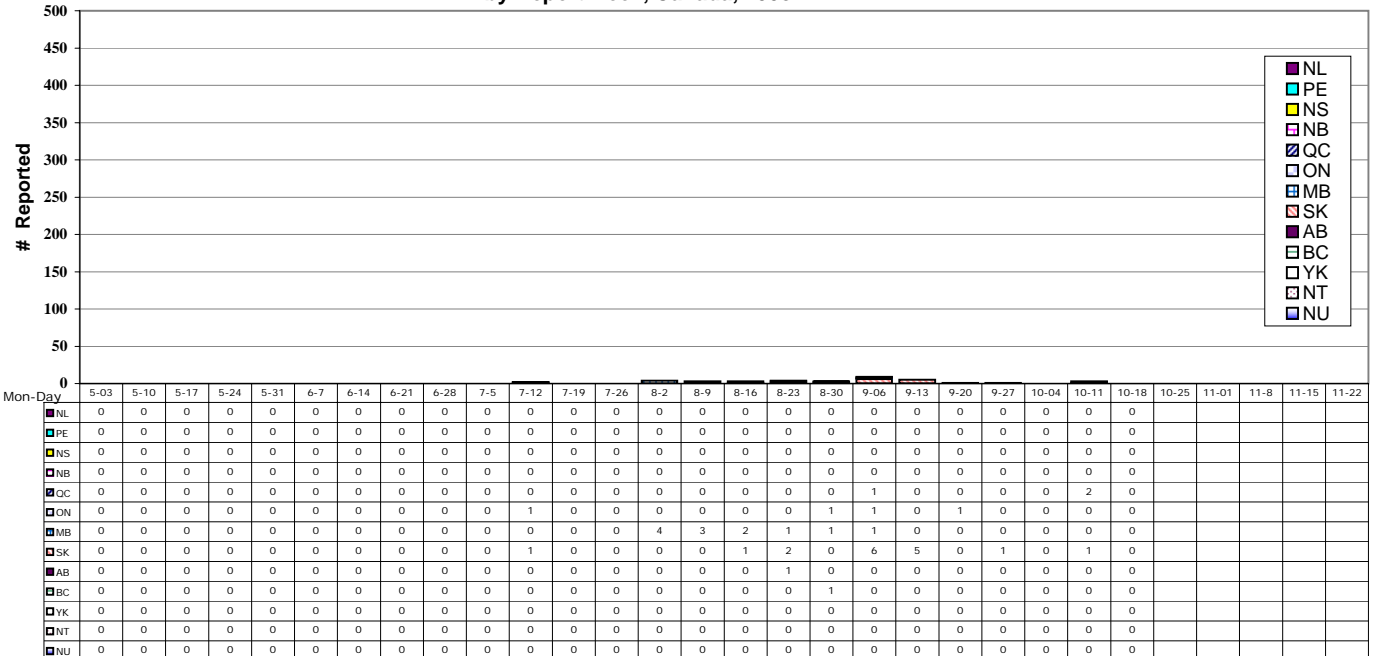
United States

Human:

As of December 16, 2008, one thousand and three hundred seventy (1370) human WNV clinical cases and one hundred and seventy-three (173) presumptively positive viremic blood donors were reported to the Centers for Disease Control and Prevention (CDC) in the U.S. Of the 1370 cases, 640 (47%) were reported as West Nile meningitis or encephalitis (neuroinvasive disease) and 679 (50%) as West Nile fever, and 51 (4%) were clinical unspecified. Thirty-seven (37) deaths were 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	Year-to-Date: May 25, 2008 to February 13, 2009					
	West Nile Virus Neurological Syndrome (WNNS)	West Nile Virus Non- Neurological Syndrome (WN Non_NS)	Unclassified / Unspecified	Total Clinical Cases ¹	No. of travel related cases ²	West Nile Virus Asymptomatic Infections ³
	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	1	0	1	2	0	1
ON	1	2	0	3	0	1
MB	2	9	1	12	0	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
Canada	5	29	2	36	3	2

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

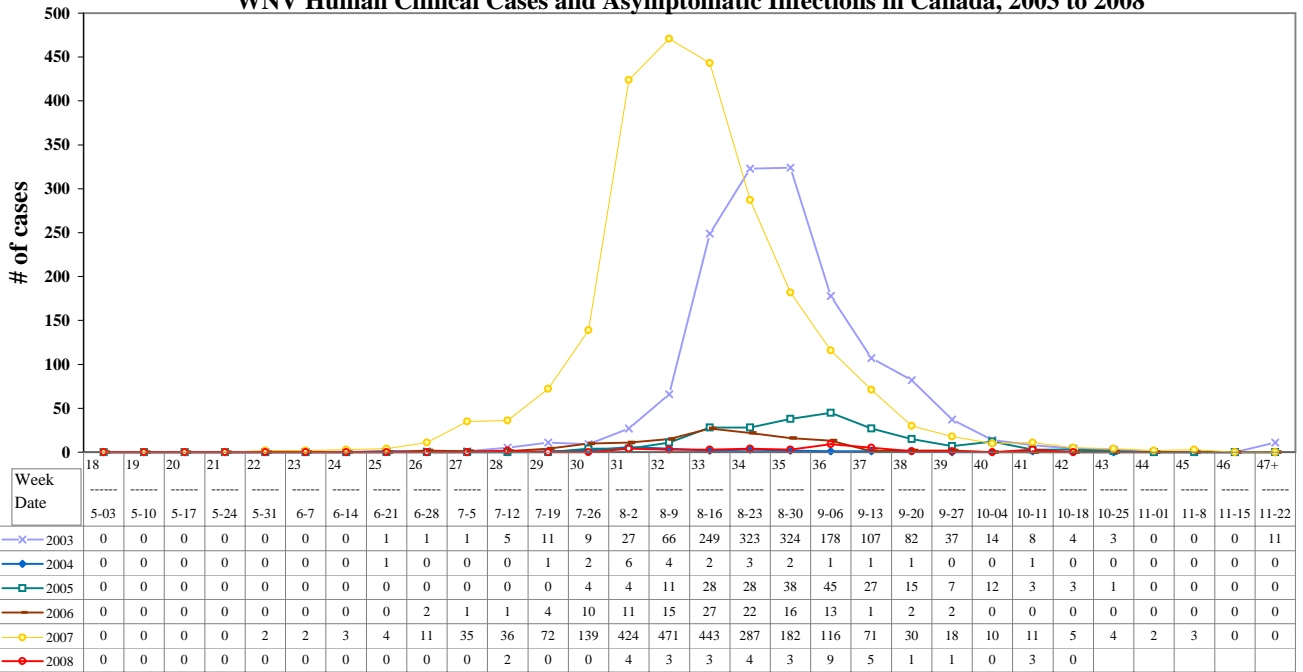
² Likely related to travel outside the province / territory

³ 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

WNV Human Clinical Cases and Asymptomatic Infections in Canada, 2003 to 2008



Report Week by Episode date ⁴

Cumulative number of WNV positive mosquito pools tested by week, by province/territory, in Canada⁵ 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	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	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	0	0	0
NB ⁶	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
QC ⁶	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	0	0	0	0	0	0	0	0	0	1	2	2	2	2	9	19	32	40	53	53	53	53	53	53	62	62			
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	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	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	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			
Canada	0	0	0	0	0	0	0	0	0	0	1	2	2	9	24	42	61	87	99	113	113	113	113	113	113	122	122			

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

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

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

