



West Nile Virus National Surveillance Report

English Edition

July 24, 2011 to July 30, 2011 (Week 30)

Canada

Human:

During the week 30, ending on July 30, 2011, no human case with West Nile virus (WNV) infection has been reported to the Public Health Agency of Canada (PHAC). As of week 30, one (1) travel-related (India or China) human case in Ontario has been reported. The case was classified as West Nile Unclassified.

Mosquito:

Eleven (11) mosquito pools positive for WNV have been reported in Ontario [Algoma Health Unit(1), Halton Region Health Department (2), Toronto Public Health (6) and Windsor-Essex County Health Unit (2)] since the start of the season.

Bird:

A total of 67 dead birds have been tested for WNV by the Canadian Cooperative Wildlife Health Centre (CCWHC) in Canada, since the start of the season. Of them, two positives have been reported in Ontario (Lambton, and Middlesex-London).

Domestic Animal:

One positive horse with WNV infection has been reported in Simcoe, Ontario by the Canadian Food Inspection Agency (CFIA) since the start of the season.

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.

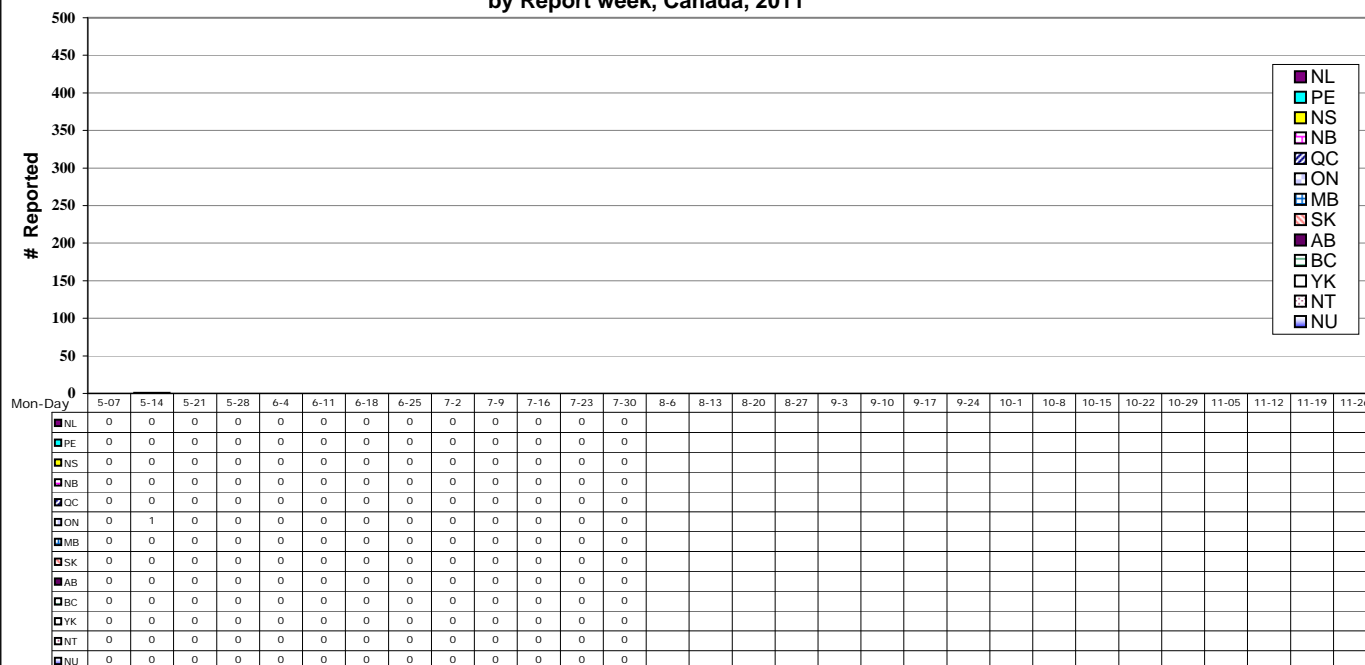
United States

Human:

As of August 2, 2011, twenty-seven (27) human WNV clinical cases have been reported to the Centers for Disease Control and Prevention (CDC) in the United States. Of the 27 WNV cases, 15 (56%) were reported as neuroinvasive disease cases and 12 (44%) were reported as nonneuroinvasive disease cases. One death has been reported.

Detailed information can be accessed via 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, 2011**



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, 2011**

Provinces Territories	Report Week: July 24, 2011 to July 30, 2011 (Week 30)					
	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	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
Canada	0	0	0	0	0	0
Provinces Territories	Year-to-Date: May 1, 2011 to July 30, 2011					
	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	0	0	0	0	0	0
ON	0	0	1	1	1	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
Canada	0	0	1	1	1	0

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

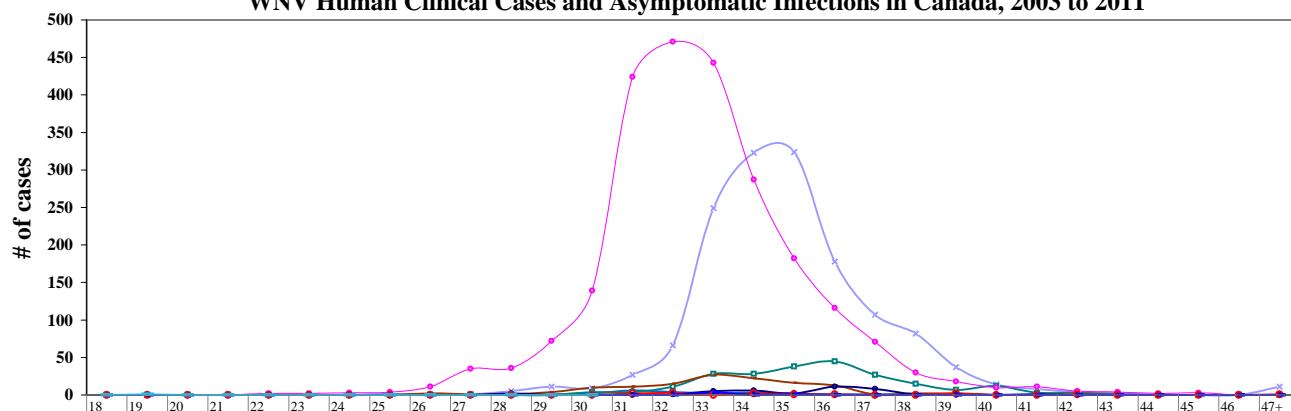
² Likely related to travel outside the province / territory. These cases are included in either the Total Clinical Cases or West Nile Virus Asymptomatic Infection

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 2011



Week Date	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	47+
5-07																														
5-14																														
5-21																														
5-28																														
6-4																														
6-11																														
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8-6																														
8-13																														
8-20																														
8-27																														
9-3																														
9-10																														
9-17																														
9-24																														
10-1																														
10-8																														
10-15																														
10-22																														
10-29																														
11-05																														
11-12																														
11-19																														
11-26																														

Report Week by Episode date ⁴

**Cumulative number of WNV positive mosquito pools tested by week,
by province/territory, in Canada⁵ 2011**

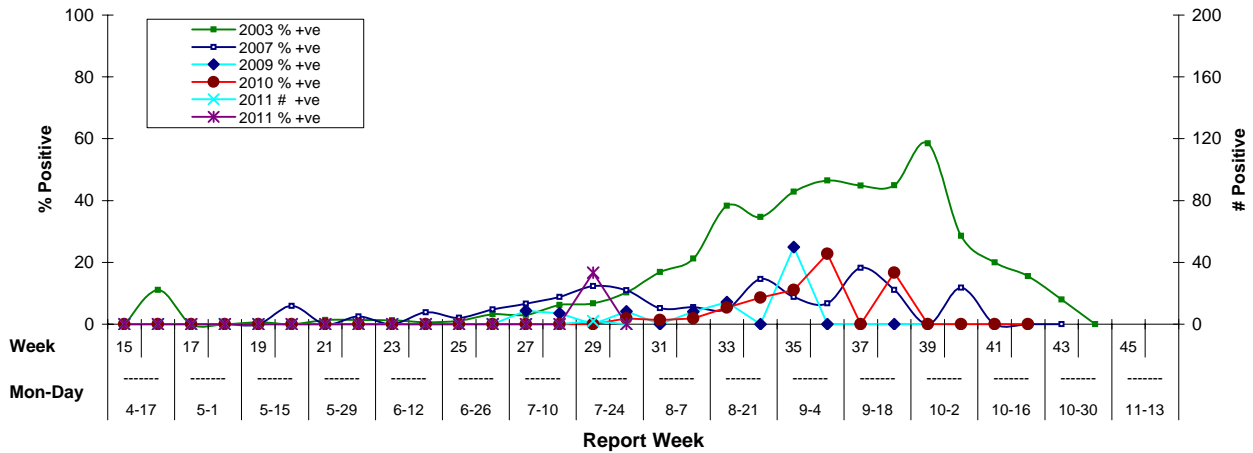
Provinces	Cumulative Total Tested by Report Week																																															
Territories	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46																		
NL	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																		
PE	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																		
NS ⁶	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																		
NB	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																																		
ON	0	0	0	0	0	0	0	0	0	0	0	1	5	11																																		
MB	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																		
SK	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																		
AB ⁶	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																																		
YK	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																																		
NU	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	0	1	5	11																																		

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

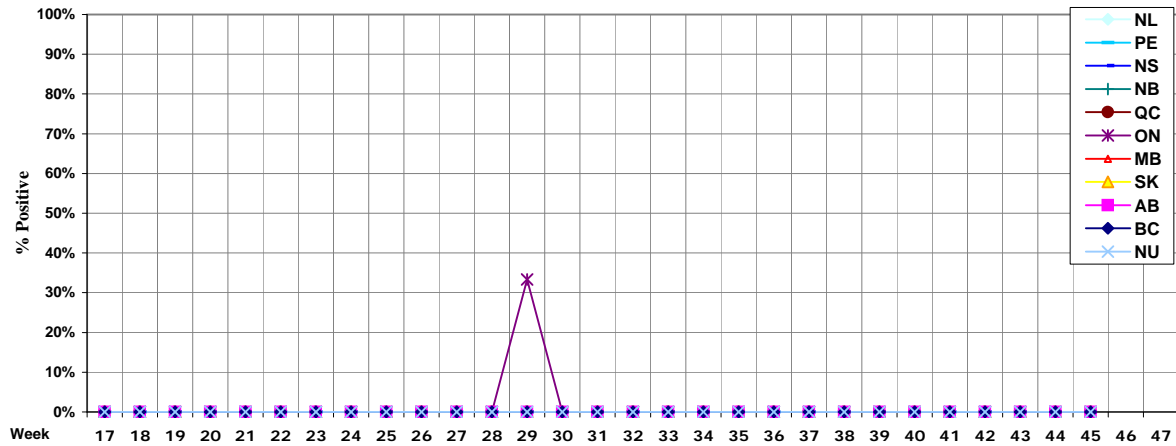
⁵ Detailed WNV mosquito surveillance data can be accessed through provincial/territorial web sites.

⁶ These provinces are not conducting mosquito surveillance as part of their WNV surveillance program in 2009.

Percentage of Dead Birds⁷ Tested Positive for WNV, by Report Week, Canada 2003, 2007⁸, 2009⁸, 2010⁸ & 2011⁸, and Number of Dead Birds⁷ Tested Positive for WNV, by Report Week, Canada 2011



Percentage of Dead Birds Tested Positive for WNV, by Province/Territory, by Report Week, Canada, 2011



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	47
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	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
NB	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/0	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
QC ⁹	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 ⁹	0/0	0/0	0/3	0/0	0/0	0/4	0/0	0/0	0/3	0/0	0/5	0/13	2/6	0/1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
MB ⁹	0/2	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	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
SK ⁹	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/1	0/0	0/0	0/0	0/0	0/0	0/0	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AB ⁹	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	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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	0/0	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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	0/0	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	0/0	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
CA	0/2	0/0	0/3	0/0	0/0	0/4	0/0	0/1	0/3	0/0	0/5	0/14	2/6	0/1	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

⁷ Mostly corvids (e.g. crows, blue jays, and ravens).

⁸ As seen in 2007, not all provinces are conducting dead bird surveillance as part of their WNV surveillance program in 2009. However, WNV positive dead birds may be identified through the National Wildlife Disease Surveillance Program of the Canadian Cooperative Wildlife Health Centre (CCWHC).

⁹ These provinces are not conducting dead bird surveillance as part of their WNV surveillance program in 2009. However, WNV positive dead birds may be identified in these areas through the National Wildlife Disease Surveillance Program of the Canadian Cooperative Wildlife Health Centre (CCWHC).