



West Nile Virus National Surveillance Report

English Edition

November 18, 2007 to November 24, 2007 (Week 47)

Canada

Human:

During week 47, no new human cases with West Nile virus (WNV) infection have been reported to the Public Health Agency of Canada (PHAC). As of week 47, a total of 2353 human WNV clinical cases [Nova Scotia (1), Quebec (2), Ontario (13), Manitoba (576), Saskatchewan (1422), Alberta (320) and British Columbia (19)] and 28 asymptomatic infections [Ontario (3), Manitoba (8), Saskatchewan (14) and Alberta (3)] have been reported to the PHAC in Canada. Of the 2353 clinical cases, 138 (6%) are classified as West Nile Virus Neurological Syndrome, 1234 (52%) as West Nile Virus Non-Neurological Syndrome and 981 (42%) as Unclassified. There have been 68 travel related cases reported in Nova Scotia (1), Quebec (2), Ontario (5), Alberta(41) and British Columbia (19). During this season, there have been eight deaths reported in patients with WNV infection.

Bird:

As of week 47, 1985 dead birds have been tested in British Columbia (754), Saskatchewan (61), Ontario (753), New Brunswick (252), Nova Scotia (62) and Prince Edward Island (103) since May 2007, of which 139 (7.0%) were positive for WNV. Of these positive bird tests, 60 were reported in Saskatchewan [Regina (24), Five Hills (1), Kelsey Trail (2) and Saskatoon (33)] and 79 were reported in Ontario [Ottawa Public Health (2), York Region (1), Middlesex-London (2), Hastings&Prince Edward (3), Durham (3), Thunder Bay (11), Simcoe Muskoka (2), Northwestern (13), Chatham-Kent (4), Sudbury&District (2), Lambton County (2), Halton Region (7), Hamilton (5), Oxford County (2), Niagara (1), Peterborough city (1), Perth District (4), Peel (2), Windsor-Essex (4), Grey-Bruce (1), North Bay Parry (1), Wellington-Duffrin-Guelph (1), Toronto Public Health (2), Algoma (1), Waterloo (1), and Kingston (1)]. The positive birds were American Crows (81%), Merlins (10%), Black-billed Magpie (4%), Blue Jay (4%) and Hawks (1%).

Mosquito:

As of week 47, 1682 positive WNV mosquito pools have been reported in Ontario (51), Manitoba (948), Saskatchewan (460) and Alberta (223).

Domestic Animal:

As of week 47, 109 horses with WNV infection [Manitoba (8),Saskatchewan (57), and Alberta (44)] have been reported since the start of this 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.

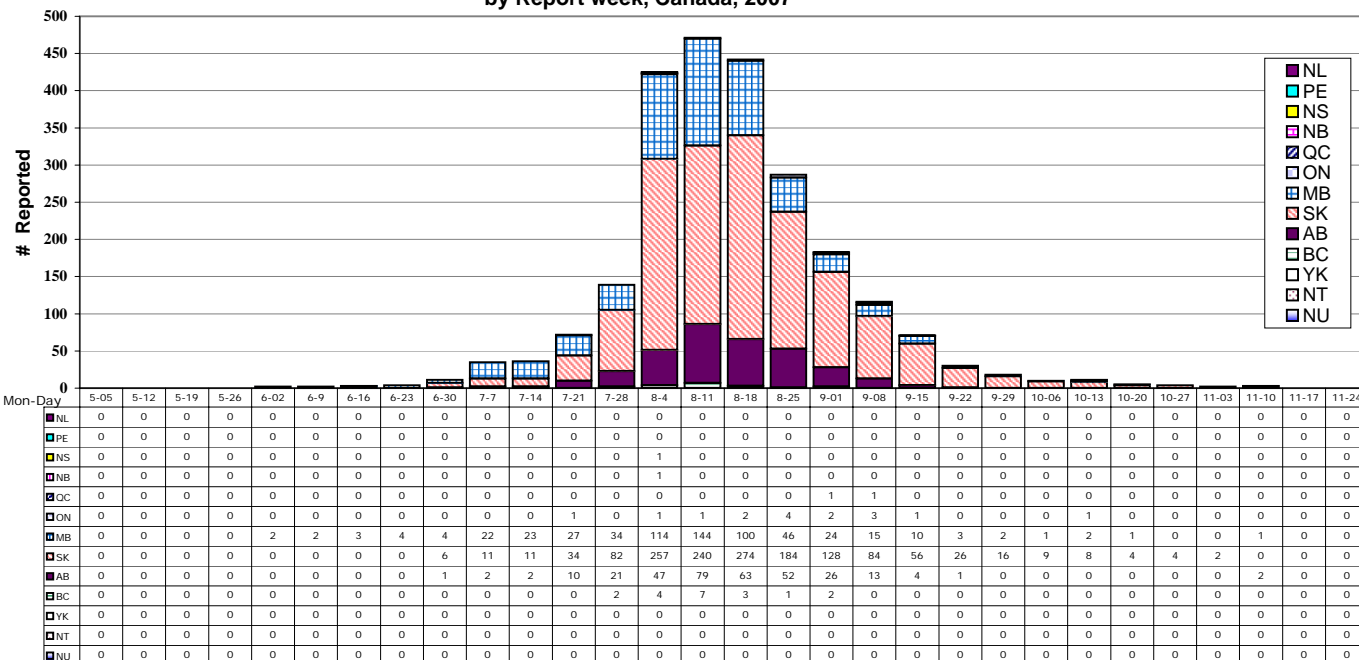
United States

Human:

As of 27 November 2007, 3359 human WNV cases [1105(33%) neuroinvasive disease, 2191(65%) fever and 63 (2%) clinical unspecified] and 302 presumptively viremic blood donors have been reported to the Centers for Disease Control and Prevention (CDC) in the U.S. since the start of this season. Of the 3359 cases, there have been 98 deaths 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, 2007



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, 2007**

Provinces Territories	Report Week: November 18, 2007 to November 24, 2007 (Week 47)					
	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: April 29, 2007 to November 24, 2007					
	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	1	1	1	0
NB	0	0	0	0	0	0
QC	2	0	0	2	2	0
ON	2	11	0	13	5	3
MB	66	495	15	576	0	8
SK	40	419	963	1422	0	14
AB	21	299	0	320	41	3
BC	7	10	2	19	19	0
YT	0	0	0	0	0	0
NT	0	0	0	0	0	0
NU	0	0	0	0	0	0
Canada	138	1234	981	2353	68	28

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

