



West Nile Virus Surveillance Summary #4

Thursday, July 26, 2007

WNV Activity in BC

(Data as of July 26, 2007)

No WNV activity has been identified in BC to date.

The BCCDC webpage on West Nile virus has been updated. It can be viewed directly at:

<http://www.bccdc.org/content.php?item=183>

From June 1 st , 2007	Human Cases*	Corvids submitted	Corvids reported on-line	Mosquito pools
# Tested	111	323	275	1015
# Positive	0	0		0

*includes routine screening of CSF, organ and stem cell donations in addition to physician test requests

Maps and graphs of BC surveillance data can be found at: <http://www.bccdc.org/content.php?item=373>

3-month Environment Canada climate predictions for BC

The updated temperature forecast for July-August-September is above normal for all of southern and northeastern BC. http://www.weatheroffice.ec.gc.ca/saisons/image_e.html?img=sfe1t_s

Precipitation forecast is below normal for all of southern and northeastern BC.

http://www.weatheroffice.ec.gc.ca/saisons/image_e.html?img=sfe1p_s

Accumulated base 16 °C growing degree days comparison for select BC communities

July 25th	2007	2006	2005	2004	2003	30YR
Cranbrook	265	265	154	188	245	136
Creston	376	340	226	279	326	182
Osoyoos	436	444	390	456	458	313
Kamloops	372	415	324	438	377	270
Abbotsford	180	216	178	256	198	108
Vancouver	128	150	113	195	150	79
Victoria	122	155	132	184	147	74
Prince George	135	175	118	156	107	70

WNV Activity in Canada

(Data as of July 26, 2007)

The first WNV detection in Alberta was made last week (July 15-21) among mosquitoes in the southern half of the province. Saskatchewan reported its first human cases July 24th, the timing of which was similar to previous years. High average trap counts of *Cx. tarsalis* are being reported in Manitoba, Saskatchewan, Alberta and BC this year. Human cases in Manitoba continue to climb and were detected 3 weeks earlier this year than previously. Adult mosquito control has already been undertaken in several communities in southern Manitoba due to high mosquito numbers and climbing infection rates.

	Human Cases* (probable/confirmed /unclassified/asymp)	Positive Corvids (confirmed)^	Positive Mosquito pools	Positive Equine Cases
Alberta	0	-	13	0
Saskatchewan	3	-	31	1
Manitoba	14	-	185	0
Ontario	0	26	1	0
Quebec	0	-	0	0
Total	17	26	230	1

*The number of cases in brackets denotes the number of cases considered to be travel-related. For example, 6 (*2) would indicate a total of 6 probable cases, 2 of which are travel-related.

^Provinces with a dash (-) denote those no longer running corvid monitoring as a component of WNV surveillance.

WNV Activity in the US

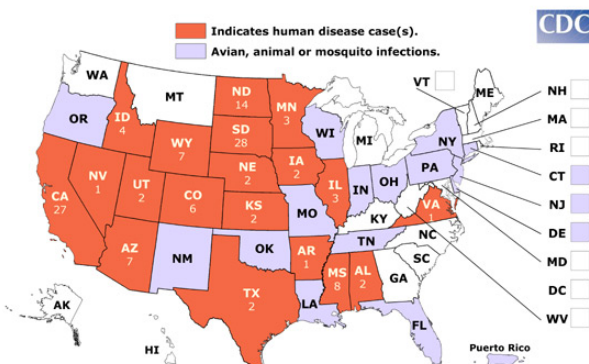
- Washington:
 - No activity to date in 2007. In 2006, WA identified their first human cases (n=3) in August and September. Evidence of WNV circulation in birds and mosquitoes was detected in 2005, and before that in corvids in 2002.
- Oregon:
 - **Activity noted in 2 northern counties** bordering Washington: 6 mosquito pools, 1 equine and 5 dead birds positive. First activity noted at similar time last year.
- California:
 - ***Increased WNV activity compared with this time last year; escalating activity over last 2 weeks***
 - 37 counties are reporting WNV activity; dispersed throughout the state (28 in 2006).
 - Humans: 36 cases; 2 deaths (5 cases in 2006)
 - Positive indicators:
 - 2007: 423 dead birds, 221 mosquito pools, 21 sentinel chicken flocks, 4 horses and 5 squirrels.
 - 2006: 151 dead birds, 184 mosquito pools, 29 sentinel chicken flocks
- Idaho:
 - Evidence of infection in SW corner of state and at the base of the panhandle (mid-state).
 - 8 human cases, 2 birds, 1 horse, 1 llama.

Other US states reporting WNV activity:

Data as of July 24; Sources: US CDC

Eight new states (representing 21 new infections) began reporting human WNV activity in the last 2 weeks, concentrating human infections in the mid-west states and California.

July 24, 2007



July 10, 2007

