



Public Health
Agency of Canada

Agence de la santé
publique du Canada

Canada

West Nile virus

National Surveillance Report

English Edition
July 22 to July 28, 2012
(Report Week 30)

Canada

Humans:

During surveillance week 30, ending July 28 2012, two asymptomatic infections [one in Quebec and one in Ontario] have been reported to the Public Health Agency of Canada. As of week 30, one clinical case and three asymptomatic infections have been reported to PHAC. No deaths reported.

Mosquitoes:

To date a total of 109 positive mosquito pools have been reported in Canada, 89 in Ontario [47 in Central East, 20 in Central West, 6 in Eastern, 16 in South West] and 20 in Manitoba [5 in Interlake-Eastern, 5 in Southern, 6 in Western, 4 in Winnipeg].

Dead Birds:

A total of 15 dead birds have been tested for West Nile virus by the Canadian Cooperative Wildlife Health Centre (CCWHC) in Canada. Of them, six (6) were positive for West Nile virus, all in Ontario, which tested a total of 13 birds.

Domestic Animals:

No domestic animals positive for West Nile virus have been reported by the Canadian Food Inspection Agency.

National WNV surveillance data and maps can be found on the PHAC website at: <http://www.phac-aspc.gc.ca/wnv-vwn/index.html>

United States

As of July 31, 2012 there have been 241 human cases of West Nile virus infections reported to the Centers for Disease Control and Prevention in the United States, of which 144 (60%) were neuroinvasive and 97 (40%) were non-neuroinvasive. 4 deaths reported. 104 West Nile virus presumptive viremic blood donors have also been reported.

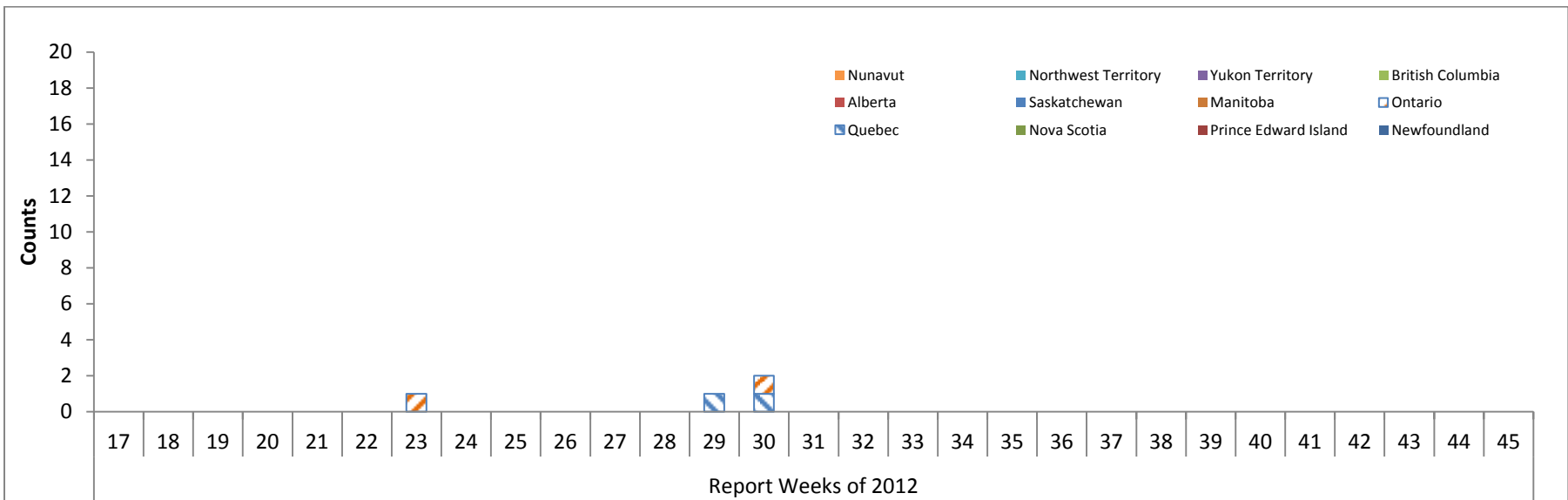
Source: http://www.cdc.gov/ncidod/dvbid/westnile/surv&controlCaseCount12_detailed.htm

Europe and Neighbouring countries

As of July 26 there have been 34 confirmed human cases of West Nile virus infections reported in Greece (13), Italy (1), Israel (4), Occupied Palestinian territory (1), and Russian Federation (15).

Source: http://ecdc.europa.eu/en/healthtopics/west_nile_fever/West-Nile-fever-maps/Pages/index.aspx

WNV clinical cases and asymptomatic infections, by Province / Territory and by report week, 2012 season



Link Figure 1 to the following table 1 below

[illegible]

Table 2

West Nile virus human clinical cases and asymptomatic infections by Province / Territory for the current Report Week and year to date, 2012 Season

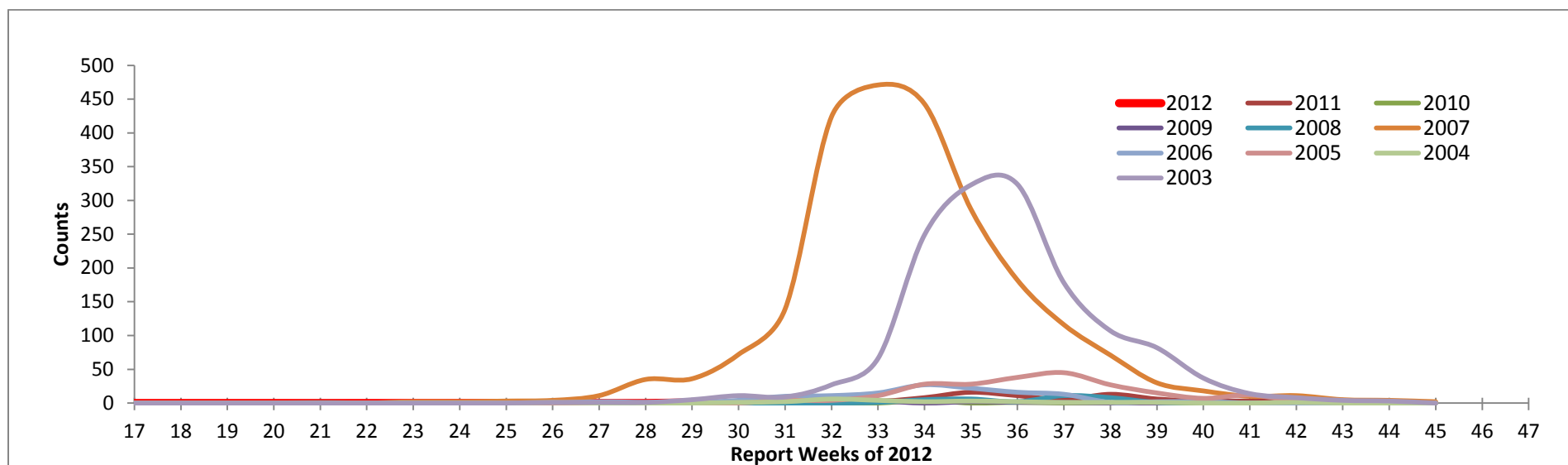
		July 22 to July 28, 2012 (Week 30)					
		West Nile virus Neurological syndrome	West Nile virus Non-Neurological syndrome	Unclassified / Unspecified	Total clinical cases ¹	# of travel related cases ²	West Nile virus asymptomatic infections ³
		# cases	# cases				
Provinces and territories	Newfoundland	0	0	0	0	0	0
	Prince Edward Island	0	0	0	0	0	0
	Nova Scotia	0	0	0	0	0	0
	New Brunswick	0	0	0	0	0	0
	Quebec	0	0	0	0	0	1
	Ontario	0	0	0	0	0	1
	Manitoba	0	0	0	0	0	0
	Saskatchewan	0	0	0	0	0	0
	Alberta	0	0	0	0	0	0
	British Columbia	0	0	0	0	0	0
	Yukon Territory	0	0	0	0	0	0
	Northwest Territory	0	0	0	0	0	0
	Nunavut	0	0	0	0	0	0
Total		0	0	0	0	0	2
		Year to date: From January 1 to July 28 2012					
Provinces and territories	Newfoundland	0	0	0	0	0	0
	Prince Edward Island	0	0	0	0	0	0
	Nova Scotia	0	0	0	0	0	0
	New Brunswick	0	0	0	0	0	0
	Quebec	0	0	0	0	0	2
	Ontario	0	1	0	1	1	1
	Manitoba	0	0	0	0	0	0
	Saskatchewan	0	0	0	0	0	0
	Alberta	0	0	0	0	0	0
	British Columbia	0	0	0	0	0	0
	Yukon Territory	0	0	0	0	0	0
	Northwest Territory	0	0	0	0	0	0
	Nunavut	0	0	0	0	0	0
Total		0	1	0	1	1	3

¹ Total clinical cases is the sum of both probable and confirmed: West Nile virus neurological and non-neurological syndromes, along with any unclassified or unspecified cases.

² Likely related to travel outside the province/territory. These cases are included in either the total clinical cases or West Nile virus asymptomatic infections.

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 West Nile virus specific NAT following any positive donor screen test result.

WNV clinical cases and asymptomatic infections by report week, 2012 season compared to previous seasons



[Link Figure 2 to the following table 3 below](#)

	Report Weeks of 2012																													
	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	
2012	0	0	0	0	0	0	1	0	0	0	0	0	1	2																
2011	0	0	0	0	1	0	1	0	2	0	0	0	0	0	1	8	3	8	16	11	5	13	6	3	3	2	0	0	0	
2010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	1	0	0	0	0	0	0	0	0	0	
2009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	2	1	1	0	0	2	0	0	1	0	0	
2008	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	5	6	2	11	8	1	1	0	1	0	0	0	
2007	0	0	0	0	0	0	2	2	3	4	11	35	36	72	139	424	471	443	287	182	116	71	30	18	10	11	5	4	2	
2006	0	0	0	0	0	0	0	0	0	0	2	1	1	4	10	11	15	27	22	16	13	1	2	2	0	0	0	0	0	
2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	11	28	28	38	45	27	15	7	12	3	3	1	0	
2004	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	6	4	2	3	2	1	1	1	0	0	1	0	0	0	
2003	0	0	0	0	0	0	0	0	0	1	1	1	5	11	9	27	66	249	323	324	178	##	82	37	14	8	4	3	0	

Table 4

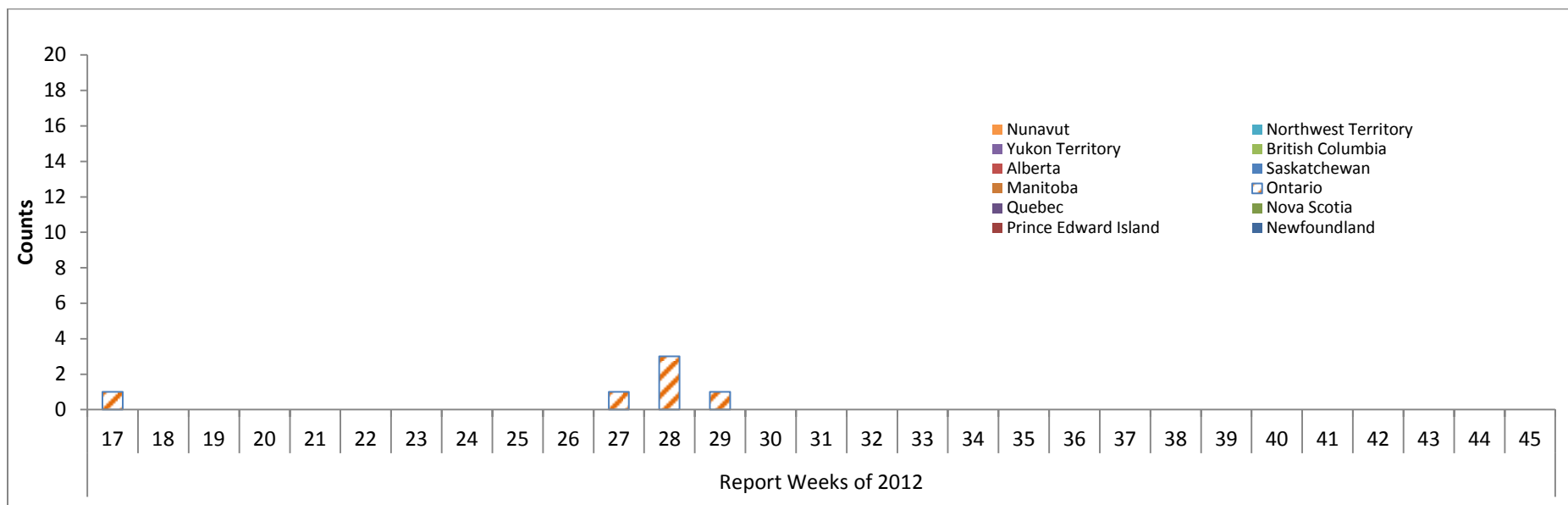
Reported cumulative number of West Nile virus positive mosquito pools by Province/Territory and by report week, 2012 season*

		Report weeks of 2012																														
		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		
	Newfoundland	0	0	0	0	0	0	0	0	0	0	0	0	0																		
	Prince Edward Island	0	0	0	0	0	0	0	0	0	0	0	0	0																		
	Nova Scotia**	0	0	0	0	0	0	0	0	0	0	0	0	0																		
	New Brunswick	0	0	0	0	0	0	0	0	0	0	0	0	0																		
	Quebec**	0	0	0	0	0	0	0	0	0	0	0	0	0																		
	Ontario	0	0	0	0	0	0	0	0	2	6	10	19	30	89																	
	Manitoba	0	0	0	0	0	0	0	0	0	0	0	0	2	20																	
	Saskatchewan	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
	Alberta**	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
	British Columbia	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
	Yukon Territory	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
	Northwest Territory	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	
	Nunavut	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	

* Detailed West Nile virus mosquito surveillance data can be accessed through Provincial/ territorial websites

** These Provinces/Territories are not conducting mosquito surveillance as part of their West Nile virus surveillance program at provincial level in 2012

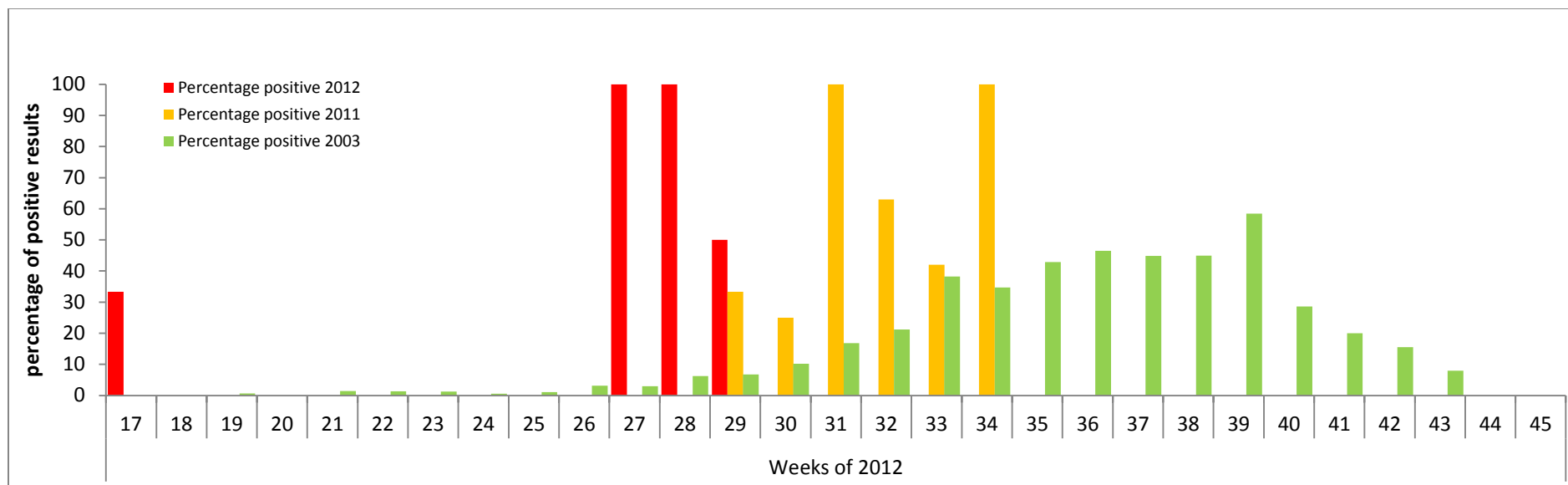
Reported number of dead birds testing positive for WNV by Province / Territory and by report week, 2012 season



[Link figure 3 to the following table 5 below](#)

		Report Weeks of 2012																												
		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
	Newfoundland	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																
	Prince Edward Island	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																
	Nova Scotia	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																
	New Brunswick	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																
	Quebec	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																
	Ontario	1/1	0/0	0/0	0/0	0/1	0/1	0/0	0/3	0/1	0/0	1/1	3/3	1/2	0/0															
	Manitoba	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																
	Saskatchewan	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																
	Alberta	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																
	British Columbia	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																
	Yukon Territory	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																
	Northwest Territory	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																
	Nunavut	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																

Percentage of dead birds testing positive for WNV in the 2012 season by report week as compared to the 2003 and 2011 seasons



[Link figure 4 to the following table 6 below](#)

		Weeks of 2012																															
		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			
Numbers positive	2012	1	0	0	0	0	0	0	0	0	0	1	3	1	0																		
Numbers tested		3	0	0	0	1	1	0	3	1	0	1	3	2	0																		
Percentage positive		33.3	0	0	0	0	0	0	0	0	0	100	100	50	0																		
Percentage positive	2011	0	0	0	0	0	0	0	0	0	0	0	0	33	25	100	63	42	100	0	0	0	0	0	0	0	0	0	0	0			
Percentage positive	2003	0	0	1	0	1	1	1	1	1	3	3	6	7	10	17	21	38	35	43	46	45	45	58	29	20	15	8	0	0			