

# VECTOR BORNE DISEASE STATISTICS

September 19, 2019

## West Nile Virus

Municipality	# of Positive Mosquito Traps	# of Standing Water Complaints	# Positive Human Cases
Aurora	0	1	0
East Gwillimbury	0	2	0
Georgina	0	5	0
King	0	3	1
Markham	0	19	0
Newmarket	0	4	0
Richmond Hill	0	7	0
Vaughan	1	4	0
Whitchurch- Stouffville	0	4	0
<b>Total</b>	<b>1</b>	<b>49</b>	<b>1</b>

WNV Positive Human Cases 2019		
Jurisdiction		Total
York Region	<i>(Current as Sept. 19, 2019)</i>	1
Ontario	<i>(Current as of Sept. 19, 2019 (PHO Website))</i>	5
Canada (not including Ontario)	<i>(Current as of Sept. 7, 2019 (PHAC Website))</i>	2
United States	<i>(Current as of Sept. 19, 2019 (CDC Website))</i>	468

Annual WNV Positive Activity				
Year	Ontario		York Region	
	# Positive Mosquito Pools	# of Positive Human Cases	# Positive Mosquito Pools	# of Positive Human Cases
2002	580	395	14	7
2003	122	95	5	2
2004	72	14	1	0
2005	289	101	14	5
2006	182	43	10	3
2007	51	18	0	1
2008	62	10	2	1
2009	14	4	1	0
2010	57	9	0	0
2011	281	81	4	1
2012	457	271	43	17
2013	196	57	16	1
2014	56	13	2	0
2015	94	34	3	1
2016	211	55	2	3
2017	409	143	14	12
2018	261	35	21 (16 Positive Traps)	3
2019	65	5	1	1

**Positive Mosquito Pool:**  
A group of female mosquitoes belonging to the same species that test positive for West Nile virus. The number of mosquitoes in a pool can be anywhere between 1 and 50.

# Lyme Disease

# of Ticks Submitted by Public	# of Locally Acquired Blacklegged Ticks Submitted by Public	# Positive Locally Acquired Blacklegged Ticks Submitted by Public	# of Blacklegged Ticks found by Public Health through Active Tick Surveillance	# Positive Blacklegged Ticks found by Public Health through Active Tick Surveillance	# Confirmed Human Cases	# Confirmed Human Cases (Possible locally acquired)
131	44	0	18	Pending	8	5

Active Tick Surveillance (Tick Dragging) Blacklegged Tick Confirmed Locations	Municipality	# of Blacklegged Ticks Found
Bindertwine Park	Vaughan	4
King Trails at Centennial	King	2
Cold Creek Conservation Area	King	1
Happy Valley Forest	King	5
Sibbald Point Provincial Park	Georgina	1
Georgina Island	Georgina	5
<b>Total</b>		<b>18</b>

\*Tested positive

Lyme Disease Surveillance Summary, 2012 to 2018, York Region							
	2012	2013	2014	2015	2016	2017	2018
Confirmed human cases	2	13	6	8	5 <sup>1</sup>	18	8
Blacklegged ticks found locally through passive tick surveillance	1	4	7	11	15	35	61
Blacklegged ticks found locally through active tick surveillance	0	0	2	4	0	10	28
Positive blacklegged ticks found locally through passive or active surveillance	0	0	1	0	1 <sup>5</sup>	2	4

## Notes:

1. Cases likely acquired outside York Region
2. Cases possibly acquired in York Region
3. Eight cases possibly acquired in York Region, nine cases likely acquired outside York Region
4. Two cases possibly acquired in York Region, two cases unknown acquisition
5. Passive tick submission with reported local travel and to a known risk area outside York Region