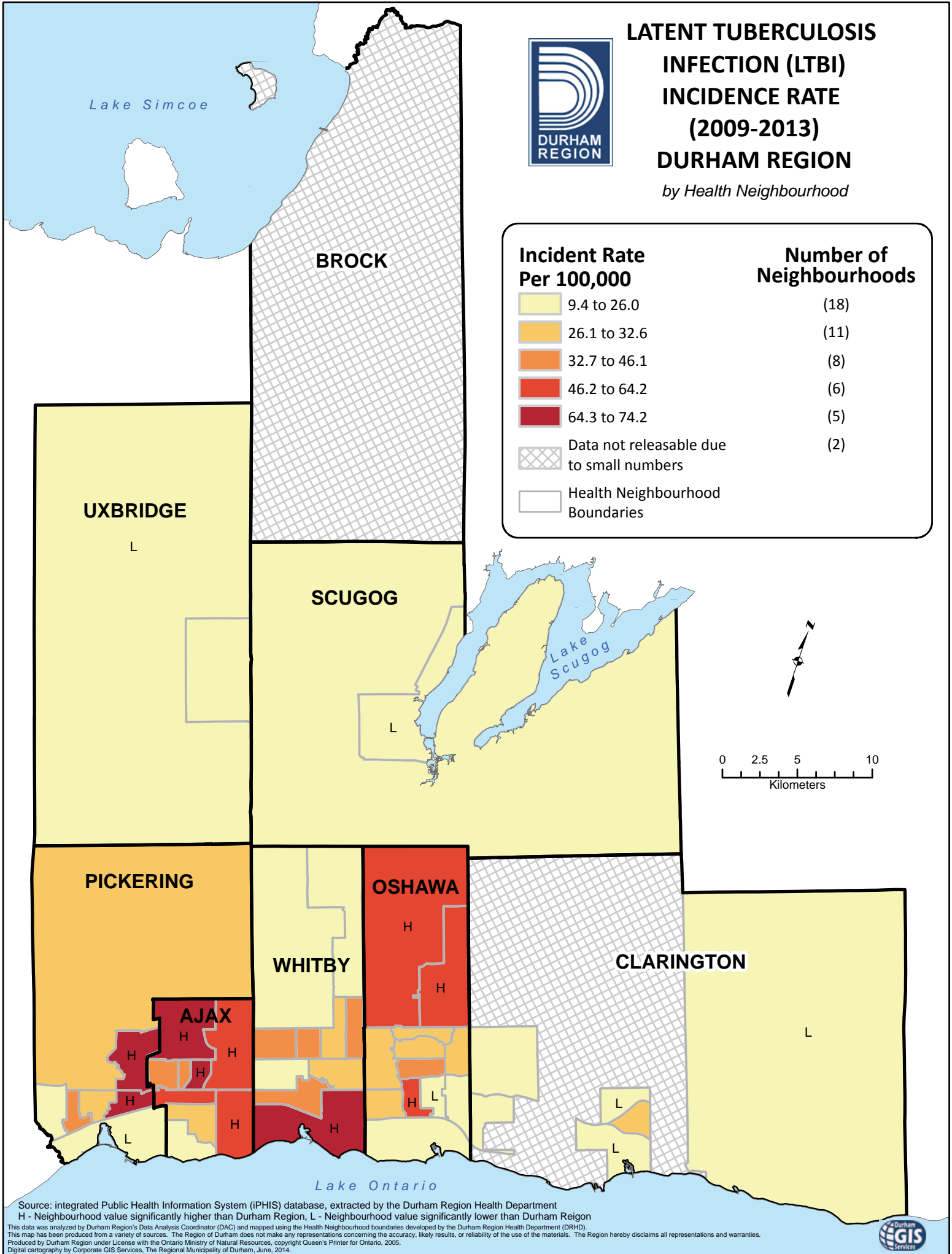




# LATENT TUBERCULOSIS INFECTION (LTBI) INCIDENCE RATE (2009-2013) DURHAM REGION

by Health Neighbourhood

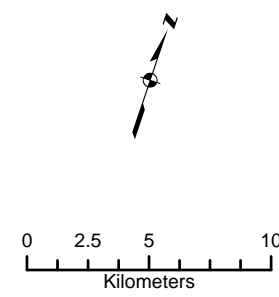


### Incident Rate Per 100,000

- 9.4 to 26.0
- 26.1 to 32.6
- 32.7 to 46.1
- 46.2 to 64.2
- 64.3 to 74.2

### Number of Neighbourhoods

- (18)
- (11)
- (8)
- (6)
- (5)
- Data not releasable due to small numbers (2)
- Health Neighbourhood Boundaries



Source: integrated Public Health Information System (iPHIS) database, extracted by the Durham Region Health Department  
 H - Neighbourhood value significantly higher than Durham Region, L - Neighbourhood value significantly lower than Durham Region  
 This data was analyzed by Durham Region's Data Analysis Coordinator (DAC) and mapped using the Health Neighbourhood boundaries developed by the Durham Region Health Department (DRHD).  
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# Latent Tuberculosis Infection (LTBI) Incidence Rate (2009-2013)

## Table 1: Health Neighbourhoods Indicator Summary

⬇ Lower is Better



	Rate per 100,000	95% Confidence Interval	Number of LTBI Cases	Compared to Durham Rate		
				Lower	Similar	Higher
<b>Pickering</b>	<b>37.4</b>	<b>32.0 - 43.7</b>	<b>166</b>			
Frenchman's Bay (P1)	17.7	10.3 - 30.0	15	⬇		
West Rouge (P2)	26.0	15.9 - 42.0	18			
Amberlee (P3)	38.1	23.6 - 60.8	19			
Dunbarton (P4)	26.3	16.1 - 42.5	18			
Pickering City Centre (P5)	66.4	49.3 - 89.0	47			⬆
Brock Ridge Pickering (P6)	74.2	52.5 - 104.4	35			⬆
Pickering North (P7)	26.1	14.8 - 44.9	14			
<b>Ajax</b>	<b>50.2</b>	<b>44.5 - 56.6</b>	<b>275</b>			⬆
Ajax Waterfront (A1)	24.7	14.1 - 42.6	14			
Downtown Ajax (A2)	29.6	17.8 - 48.4	17			
Carruthers (A3)	55.4	39.0 - 78.4	34			⬆
Central Ajax (A4)	48.7	33.0 - 71.5	28			
Riverside-Hermitage (A5)	46.1	31.6 - 66.6	30			
Westney Heights (A6)	33.5	19.0 - 57.7	14			
Applecroft (A7)	71.2	51.8 - 97.6	41			⬆
Ajax Northwest (A8)	64.7	48.4 - 86.3	49			⬆
Ajax Northeast (A9)	64.2	47.8 - 85.8	48			⬆
<b>Whitby</b>	<b>34.4</b>	<b>30.0 - 39.5</b>	<b>210</b>			
Whitby South (W1)	65.6	48.4 - 88.6	45			⬆
Downtown Whitby (W2)	39.4	27.2 - 56.6	31			
Cochrane South (W3)	21.9	11.1 - 41.7	10			
Manning (W4)	28.9	18.6 - 44.6	22			
Williamsburg (W5)	36.7	21.7 - 61.0	16			
Whitby Brock North (W6)	38.9	25.3 - 59.4	23			
Dryden-Anderson (W7)	30.5	18.4 - 50.0	17			
Dryden East (W8)	32.9	20.6 - 51.8	20			
Brooklin East (W9)	16.6	8.4 - 31.7	10			
Brooklin West (W10)	26.0	15.4 - 43.2	16			
<b>Oshawa</b>	<b>33.4</b>	<b>29.5 - 37.9</b>	<b>248</b>			
Lakeview (O1)	24.2	15.2 - 38.1	20			
Gibb West (O2)	32.6	20.2 - 51.9	19			
Downtown Oshawa (O3)	53.4	36.4 - 77.8	29			⬆
Central Park (O4)	10.7	4.3 - 24.5	6	⬇		
Grandview South (O5)	21.0	11.4 - 37.8	12			
Stevenson North (O6)	27.4	17.8 - 41.9	23			
Hillsdale (O7)	45.5	30.4 - 67.7	26			
Beatrice South (O8)	31.1	19.5 - 49.0	20			
Grandview North (O9)	27.3	16.2 - 45.4	16			
Beatrice North (O10)	27.4	15.6 - 47.3	14			
Oshawa Northwest (O11)	52.9	35.8 - 77.5	28			⬆
Oshawa Northeast (O12)	53.6	37.9 - 75.4	35			⬆
<b>Clarington</b>	<b>16.3</b>	<b>12.8 - 20.8</b>	<b>69</b>	⬇		
Courtice South (C1)	25.1	15.5 - 39.9	19			
Courtice North (C2)	17.5	8.5 - 34.5	9			
Bowmanville South (C3)	12.5	6.1 - 24.7	9	⬇		
Bowmanville Central (C4)	30.1	17.1 - 51.8	14			
Bowmanville North (C5)	12.5	5.5 - 26.9	7	⬇		
Darlington (C6)	NR					
Clarke (C7)	9.4	4.1 - 20.2	7	⬇		
<b>Scugog</b>	<b>16.1</b>	<b>9.7 - 26.3</b>	<b>17</b>	⬇		
Port Perry (S1)	13.3	5.4 - 30.5	6	⬇		
Rural Scugog (S2)	18.1	9.5 - 33.5	11			
<b>Uxbridge</b>	<b>17.5</b>	<b>10.7 - 28.2</b>	<b>18</b>	⬇		
Urban Uxbridge (U1)	21.1	11.7 - 37.1	13			
Rural Uxbridge (U2)	12.1	4.4 - 29.9	5	⬇		
<b>Brock</b>						
Brock (B1)	NR					
<b>Durham Region</b>	<b>33.3</b>	<b>31.3 - 35.4</b>	<b>1,007</b>	Lower than Ontario		
<b>Range</b>	9.4 - 74.2		5 - 49			
<b>Ontario</b>	<b>74.4</b>	<b>73.7 - 75.0</b>	<b>47,795</b>			

Source: Ontario Ministry of Health and Long-Term Care, integrated Public Health Information System (iPHIS) database, 2009-2013, extracted by Durham Region Health Department, June 2014, iPHIS, Ontario, 2009-2013, Ontario Public Health Portal, Accessed June 2014.

Notes: Lower (down arrow) or Higher (up arrow) means that the 95% confidence intervals do not overlap and that the rates are different from Durham Region. Rates with counts less than 5 have been suppressed and are marked as Not Releaseable (NR).

## Latent Tuberculosis Infection (LTBI) Incidence Rate (2009-2013)

Table 2: List of Health Neighbourhoods ranked from lowest to highest.

Order	Health Neighbourhood	Rate per 100,000	Number of LTBI Cases	Compared to Durham Region (Lower is Better)	Quintile
1	Clarke (C7)	9.4	7	LOWER	1
2	Central Park (O4)	10.7	6	LOWER	1
3	Rural Uxbridge (U2)	12.1	5	LOWER	1
4	Bowmanville North (C5)	12.5	7	LOWER	1
5	Bowmanville South (C3)	12.5	9	LOWER	1
6	Port Perry (S1)	13.3	6	LOWER	1
7	Brooklin East (W9)	16.6	10	similar	1
8	Courtice North (C2)	17.5	9	similar	1
9	Frenchman's Bay (P1)	17.7	15	LOWER	1
10	Rural Scugog (S2)	18.1	11	similar	1
11	Grandview South (O5)	21.0	12	similar	1
12	Urban Uxbridge (U1)	21.1	13	similar	1
13	Cochrane South (W3)	21.9	10	similar	1
14	Lakeview (O1)	24.2	20	similar	1
15	Ajax Waterfront (A1)	24.7	14	similar	1
16	Courtice South (C1)	25.1	19	similar	1
17	Brooklin West (W10)	26.0	16	similar	1
18	West Rouge (P2)	26.0	18	similar	1
19	Pickering North (P7)	26.1	14	similar	2
20	Dunbarton (P4)	26.3	18	similar	2
21	Grandview North (O9)	27.3	16	similar	2
22	Stevenson North (O6)	27.4	23	similar	2
23	Beatrice North (O10)	27.4	14	similar	2
24	Manning (W4)	28.9	22	similar	2
25	Downtown Ajax (A2)	29.6	17	similar	2
26	Bowmanville Central (C4)	30.1	14	similar	2
27	Dryden-Anderson (W7)	30.5	17	similar	2
28	Beatrice South (O8)	31.1	20	similar	2
29	Gibb West (O2)	32.6	19	similar	2
30	Dryden East (W8)	32.9	20	similar	3
31	Westney Heights (A6)	33.5	14	similar	3
32	Williamsburg (W5)	36.7	16	similar	3
33	Amberlee (P3)	38.1	19	similar	3
34	Whitby Brock North (W6)	38.9	23	similar	3
35	Downtown Whitby (W2)	39.4	31	similar	3
36	Hillsdale (O7)	45.5	26	similar	3
37	Riverside-Hermitage (A5)	46.1	30	similar	3
38	Central Ajax (A4)	48.7	28	similar	4
39	Oshawa Northwest (O11)	52.9	28	HIGHER	4
40	Downtown Oshawa (O3)	53.4	29	HIGHER	4
41	Oshawa Northeast (O12)	53.6	35	HIGHER	4
42	Carruthers (A3)	55.4	34	HIGHER	4
43	Ajax Northeast (A9)	64.2	48	HIGHER	4
44	Ajax Northwest (A8)	64.7	49	HIGHER	5
45	Whitby South (W1)	65.6	45	HIGHER	5
46	Pickering City Centre (P5)	66.4	47	HIGHER	5
47	Applecroft (A7)	71.2	41	HIGHER	5
48	Brock Ridge Pickering (P6)	74.2	35	HIGHER	5
	Darlington (C6)	NR			
	Brock (B1)	NR			

## Latent Tuberculosis Infection (LTBI) Incidence Rate (2009-2013)

Table 3: LTBI incidence rate by Durham Region Municipality

Municipality	Rate per 100,000	Number of LTBI Cases	Compared to Durham Region (Lower is Better)
Pickering	37.4	166	similar
Ajax	50.2	275	<b>HIGHER</b>
Whitby	34.4	210	similar
Oshawa	33.4	248	similar
Clarington	16.3	69	<b>LOWER</b>
Scugog	16.1	17	<b>LOWER</b>
Uxbridge	17.5	18	<b>LOWER</b>
Brock	7.7	4	similar
Durham Region	33.3	1,007	Lower than Ontario
Ontario	74.4	47,795	

### What You Need to Know

- A lower rate of LTBI is better for health. A higher incidence rate may reflect a higher rate of infection but may also be an indication that more cases are being detected and treated.
- LTBI incidence ranges by Health Neighbourhood from 9.4 to 74.2 per 100,000.
- Incidence rates are highest in Neighbourhoods in Ajax, east Pickering, south Whitby, and north and downtown Oshawa. Rates are higher in areas with high immigrant populations. All Neighbourhoods have lower incidence rates than Ontario. Populations at higher risk for LTBI include: immigrants from countries with high TB incidence, persons who are homeless or underhoused, and elderly persons who lived through an era when tuberculosis (TB) was common. Higher rates may occur where residents tend to seek treatment in clinics or hospitals that are likely to test for TB.

### Indicator Notes

- This indicator measures the number of cases of LTBI divided by the total population, multiplied by 100,000. TB is a bacterial disease present as either: 1) active TB, or 2) latent or inactive TB infection.
- Source: Ontario Ministry of Health and Long-Term Care, integrated Public Health Information System (iPHIS) database, 2009-2013, extracted by Durham Region Health Department, June 2014, iPHIS, Ontario, 2009-2013, Ontario Public Health Portal, Accessed June 2014.
- LTBI cases are non-infectious and usually asymptomatic. There is under-reporting of cases because an infected person with mild or no clinical symptoms may not seek medical care or may not know they have been exposed to the disease or may not realize they have a positive TB skin test. Positive TB skin tests are reportable to Public Health. Notification is usually confirmed by a health care provider performing the test or a pharmacist who has dispensed TB medication.
- Neighbourhoods were sorted by the incidence rate and divided into quintiles (five equal groupings) based on the total number of disease cases in those Neighbourhoods.
- Neighbourhoods were compared with Durham Region based on their confidence intervals. Those with rates that were lower or higher had 95% confidence intervals that did not overlap with those of Durham Region and were significantly different. Rates with counts less than 5 were suppressed and are marked as Not Releasable. Two Health Neighbourhoods had non-releasable rates due to small numbers.
- For more information about rates in Durham Region, see Infectious Diseases at [durham.ca/healthstats](http://durham.ca/healthstats). For information about the indicator definition, see [APHEO Core Indicators](#).

Release Date: January 2015.

For more information, refer to The Guide to Health Neighbourhoods.

If you require this information in an accessible format, contact 1-800-841-2729.