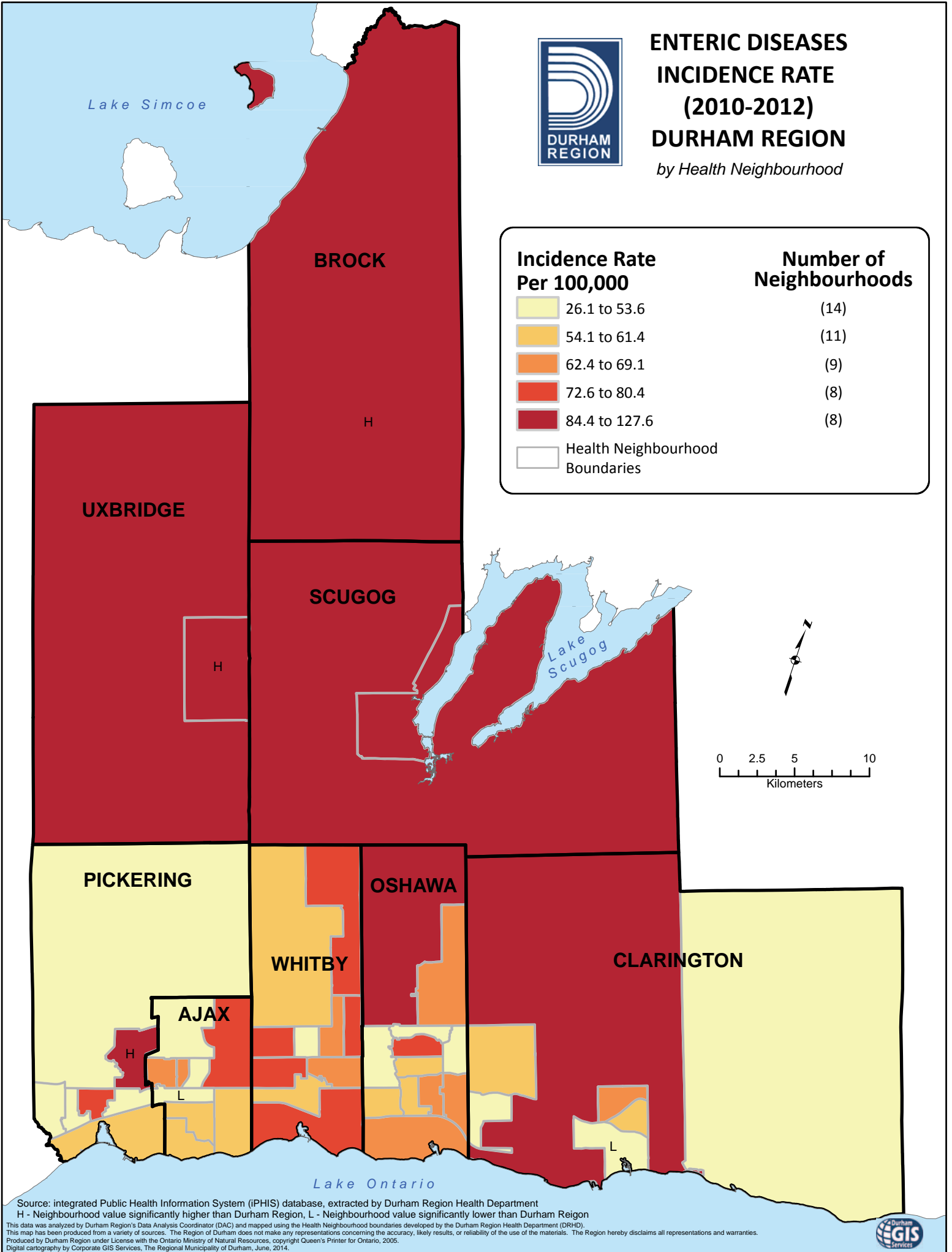
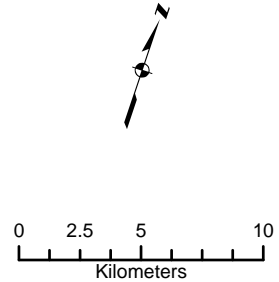




**ENTERIC DISEASES
INCIDENCE RATE
(2010-2012)
DURHAM REGION**
by Health Neighbourhood



Incidence Rate Per 100,000	Number of Neighbourhoods
26.1 to 53.6	(14)
54.1 to 61.4	(11)
62.4 to 69.1	(9)
72.6 to 80.4	(8)
84.4 to 127.6	(8)
Health Neighbourhood Boundaries	



Source: integrated Public Health Information System (iPHIS) database, extracted by 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).
 This map has been produced from a variety of sources. The Region of Durham does not make any representations concerning the accuracy, likely results, or reliability of the use of the materials. The Region hereby disclaims all representations and warranties.
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Enteric Diseases Incidence Rate (2010-2012)

Table 1: Health Neighbourhoods Indicator Summary

↻ Lower is Better



	Rate per 100,000	95% Confidence Interval	Number of Enteric Cases	Compared to Durham Rate		
				Lower	Similar	Higher
Pickering	59.4	50.6 - 69.6	158			
Frenchman's Bay (P1)	57.2	39.0 - 83.3	29			
West Rouge (P2)	45.8	28.4 - 72.9	19			
Amberlee (P3)	36.8	19.4 - 68.1	11			
Dunbarton (P4)	77.9	54.2 - 111.4	32			
Pickering City Centre (P5)	51.8	33.3 - 79.8	22			
Brock Ridge Pickering (P6)	102.5	69.9 - 149.3	29			↻
Pickering North (P7)	49.7	29.4 - 82.6	16			
Ajax	56.0	48.3 - 64.8	184			
Ajax Waterfront (A1)	58.9	37.0 - 92.7	20			
Downtown Ajax (A2)	58.0	36.4 - 91.3	20			
Carruthers (A3)	54.3	34.1 - 85.5	20			
Central Ajax (A4)	26.1	12.7 - 51.5	9	↻		
Riverside-Hermitage (A5)	69.1	46.4 - 102.0	27			
Westney Heights (A6)	63.7	37.7 - 106.0	16			
Applecroft (A7)	52.1	31.8 - 84.1	18			
Ajax Northwest (A8)	44.0	27.6 - 69.3	20			
Ajax Northeast (A9)	75.7	53.3 - 107.1	34			
Whitby	68.3	60.2 - 77.4	250			
Whitby South (W1)	75.3	52.1 - 108.4	31			
Downtown Whitby (W2)	61.4	41.9 - 89.4	29			
Cochrane South (W3)	76.6	48.7 - 119.3	21			
Manning (W4)	67.9	46.9 - 97.6	31			
Williamsburg (W5)	72.6	45.0 - 115.7	19			
Whitby Brock North (W6)	53.6	33.2 - 85.4	19			
Dryden-Anderson (W7)	65.9	42.3 - 101.5	22			
Dryden East (W8)	79.4	54.2 - 115.7	29			
Brooklin East (W9)	80.3	54.8 - 117.0	29			
Brooklin West (W10)	54.1	34.0 - 85.2	20			
Oshawa	62.3	55.2 - 70.1	277			
Lakeview (O1)	64.6	44.9 - 92.3	32			
Gibb West (O2)	57.2	35.9 - 90.0	20			
Downtown Oshawa (O3)	58.3	36.1 - 93.0	19			
Central Park (O4)	62.4	39.6 - 97.1	21			
Grandview South (O5)	64.1	41.2 - 98.8	22			
Stevenson North (O6)	53.6	36.1 - 79.2	27			
Hillsdale (O7)	58.4	36.6 - 91.9	20			
Beatrice South (O8)	80.4	55.6 - 115.7	31			
Grandview North (O9)	48.4	29.1 - 79.2	17			
Beatrice North (O10)	45.7	26.0 - 78.8	14			
Oshawa Northwest (O11)	84.9	57.1 - 125.4	27			
Oshawa Northeast (O12)	68.9	46.3 - 101.7	27			
Clarington	56.0	47.3 - 66.2	142			
Courtice South (C1)	50.5	32.8 - 77.2	23			
Courtice North (C2)	58.3	35.6 - 94.1	18			
Bowmanville South (C3)	32.5	18.5 - 56.0	14	↻		
Bowmanville Central (C4)	60.9	36.6 - 99.6	17			
Bowmanville North (C5)	65.3	42.0 - 100.7	22			
Darlington (C6)	86.6	56.7 - 131.0	24			
Clarke (C7)	53.5	35.1 - 81.0	24			
Scugog	94.5	72.7 - 122.4	60			↻
Port Perry (S1)	99.7	67.0 - 147.2	27			
Rural Scugog (S2)	90.6	63.4 - 128.8	33			
Uxbridge	95.4	73.2 - 123.9	59			↻
Urban Uxbridge (U1)	102.7	73.7 - 142.5	38			↻
Rural Uxbridge (U2)	84.4	53.6 - 131.5	21			
Brock						
Brock (B1)	127.6	92.3 - 175.5	40			↻
Durham Region	64.4	60.8 - 68.2	1,170	Lower than Ontario		
Range	26.1 - 127.6		9 - 40			
Ontario	96.0	95.0 - 97.0	37,018			

Source: Ontario Ministry of Health and Long-Term Care, integrated Public Health Information System (iPHIS) database, 2010-2012, extracted by Durham Region Health Department, September 2013, iPHIS, Ontario, 2010-2012, Ontario Public Health Portal, Accessed October 2013.

Note: 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.

Enteric Diseases Incidence Rate (2010-2012)

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

Order	Health Neighbourhood	Rate per 100,000	Number of Enteric Cases	Compared to Durham Region (Lower is Better)	Quintile
1	Central Ajax (A4)	26.1	9	LOWER	1
2	Bowmanville South (C3)	32.5	14	LOWER	1
3	Amberlee (P3)	36.8	11	similar	1
4	Ajax Northwest (A8)	44.0	20	similar	1
5	Beatrice North (O10)	45.7	14	similar	1
6	West Rouge (P2)	45.8	19	similar	1
7	Grandview North (O9)	48.4	17	similar	1
8	Pickering North (P7)	49.7	16	similar	1
9	Courtice South (C1)	50.5	23	similar	1
10	Pickering City Centre (P5)	51.8	22	similar	1
11	Applecroft (A7)	52.1	18	similar	1
12	Clarke (C7)	53.5	24	similar	1
13	Whitby Brock North (W6)	53.6	19	similar	1
14	Stevenson North (O6)	53.6	27	similar	1
15	Brooklin West (W10)	54.1	20	similar	2
16	Carruthers (A3)	54.3	20	similar	2
17	Gibb West (O2)	57.2	20	similar	2
18	Frenchman's Bay (P1)	57.2	29	similar	2
19	Downtown Ajax (A2)	58.0	20	similar	2
20	Courtice North (C2)	58.3	18	similar	2
21	Downtown Oshawa (O3)	58.3	19	similar	2
22	Hillsdale (O7)	58.4	20	similar	2
23	Ajax Waterfront (A1)	58.9	20	similar	2
24	Bowmanville Central (C4)	60.9	17	similar	2
25	Downtown Whitby (W2)	61.4	29	similar	2
26	Central Park (O4)	62.4	21	similar	3
27	Westney Heights (A6)	63.7	16	similar	3
28	Grandview South (O5)	64.1	22	similar	3
29	Lakeview (O1)	64.6	32	similar	3
30	Bowmanville North (C5)	65.3	22	similar	3
31	Dryden-Anderson (W7)	65.9	22	similar	3
32	Manning (W4)	67.9	31	similar	3
33	Oshawa Northeast (O12)	68.9	27	similar	3
34	Riverside-Hermitage (A5)	69.1	27	similar	3
35	Williamsburg (W5)	72.6	19	similar	4
36	Whitby South (W1)	75.3	31	similar	4
37	Ajax Northeast (A9)	75.7	34	similar	4
38	Cochrane South (W3)	76.6	21	similar	4
39	Dunbarton (P4)	77.9	32	similar	4
40	Dryden East (W8)	79.4	29	similar	4
41	Brooklin East (W9)	80.3	29	similar	4
42	Beatrice South (O8)	80.4	31	similar	4
43	Rural Uxbridge (U2)	84.4	21	similar	5
44	Oshawa Northwest (O11)	84.9	27	similar	5
45	Darlington (C6)	86.6	24	similar	5
46	Rural Scugog (S2)	90.6	33	similar	5
47	Port Perry (S1)	99.7	27	similar	5
48	Brock Ridge Pickering (P6)	102.5	29	HIGHER	5
49	Urban Uxbridge (U1)	102.7	38	HIGHER	5
50	Brock (B1)	127.6	40	HIGHER	5

Enteric Diseases Incidence Rate (2010-2012)

Table 3: Enteric diseases incidence rate by Durham Region Municipality

Municipality	Rate per 100,000	Number of Enteric Cases	Compared to Durham Region (Lower is Better)
Pickering	59	158	similar
Ajax	56	184	similar
Whitby	68	250	similar
Oshawa	62	277	similar
Clarington	56	142	similar
Scugog	94	60	HIGHER
Uxbridge	95	59	HIGHER
Brock	128	40	HIGHER
Durham Region	64	1,170	Lower than Ontario
Ontario	96	37,018	

What You Need to Know

- A lower rate of enteric diseases 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.
- Incidence ranges by Health Neighbourhood from 26.1 to 127.6 per 100,000.
- Higher rates of enteric diseases tend to occur in rural areas, specifically Uxbridge, Scugog and Brock, and the Neighbourhoods of Brock Ridge Pickering, Oshawa Northwest and Darlington. Enteric diseases can be spread by undercooked ground beef, unpasteurized apple cider and milk, and contaminated water. Poor hand washing and improper food handling may lead to illness. Higher rates may occur where residents tend to seek treatment in facilities that are likely to test for disease.

Indicator Notes

- This indicator measures the number of cases of enteric diseases divided by the total population, multiplied by 100,000. Enteric diseases affect the stomach and intestines.
- Source: Ontario Ministry of Health and Long-Term Care, integrated Public Health Information System (iPHIS) database, 2010-2012, extracted by Durham Region Health Department, September 2013, iPHIS, Ontario, 2010-2012, Ontario Public Health Portal, Accessed October 2013.
- The reportable enteric diseases captured in this indicator include: amebiasis, botulism, brucellosis, campylobacter enteritis, cholera, cryptosporidiosis, cyclosporiasis, food poisoning (all causes), giardiasis, hepatitis A, listeriosis, paratyphoid fever, salmonellosis, shigellosis, trichinosis, typhoid fever, verotoxin-producing Escherichia coli (VTEC) infection, and yersiniosis.
- Physicians, hospitals and laboratories must report cases of these reportable diseases to the local Medical Officer of Health. Notification is usually through confirmed laboratory results. There is under-reporting of cases because an infected person with mild or no clinical symptoms may not seek medical care and/or laboratory testing may not be performed. We excluded cases with postal codes that were missing or could not be coded to a Neighbourhood.
- Neighbourhoods were sorted by rate and divided into quintiles (five equal groupings) based on the total number of disease cases in that Neighbourhood.
- 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.
- For more information about rates in Durham Region, see Environmental Health at 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.