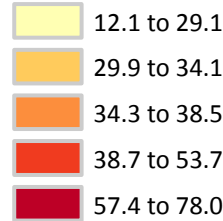




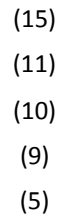
INFLUENZA INCIDENCE RATE (2009-2013) DURHAM REGION

by Health Neighbourhood

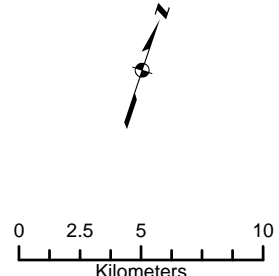
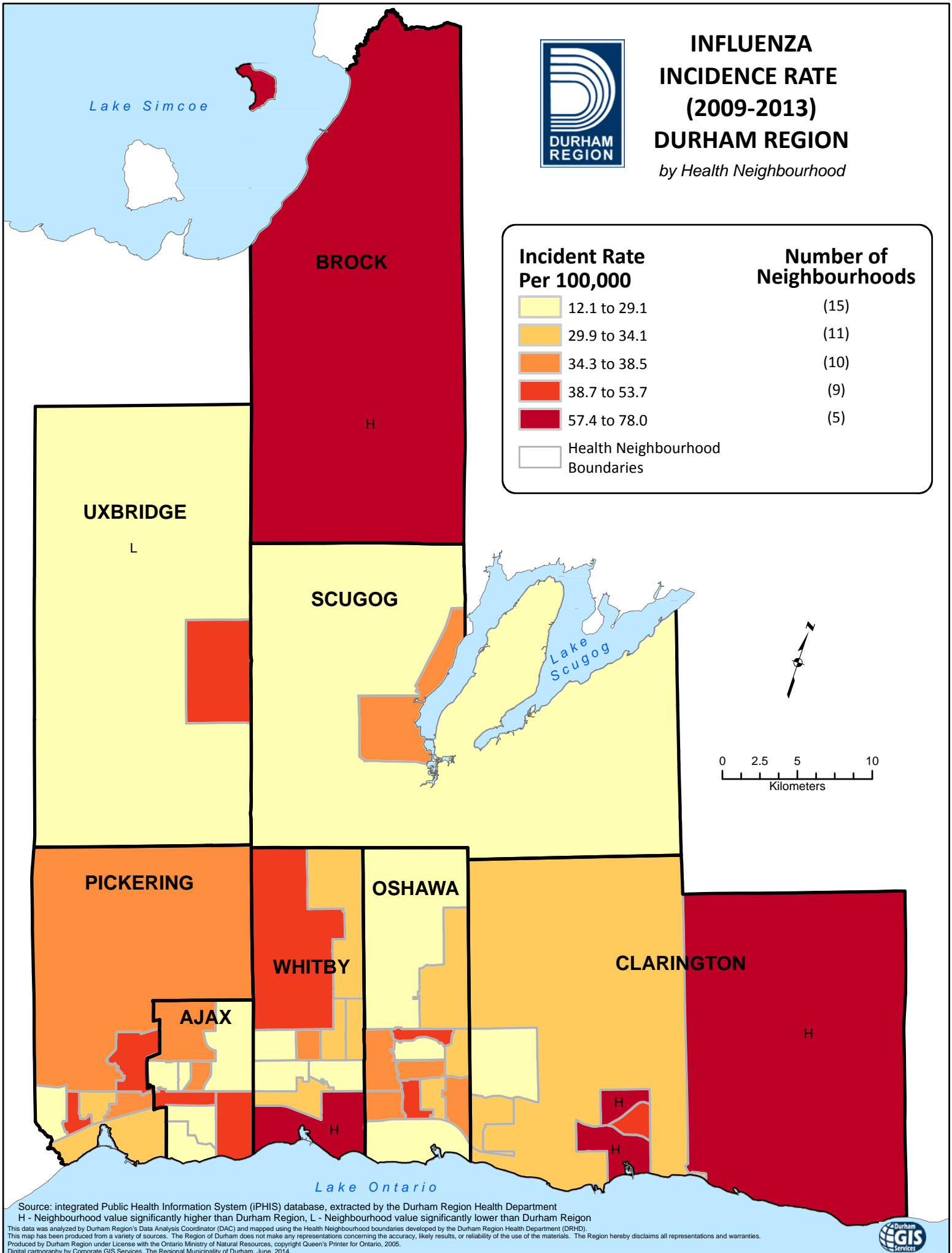
Incident Rate Per 100,000



Number of Neighbourhoods



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). 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. Produced by Durham Region under License with the Ontario Ministry of Natural Resources, copyright Queen's Printer for Ontario, 2005. Digital cartography by Corporate GIS Services, The Regional Municipality of Durham, June, 2014.



Influenza Incidence Rate (2009-2013)

Table 1: Health Neighbourhoods Indicator Summary

↻ Lower is Better



	Rate per 100,000	95% Confidence Interval	Number of Influenza Cases	Compared to Durham Rate		
				Lower	Similar	Higher
Pickering	35.8	30.6 - 42.0	159			
Frenchman's Bay (P1)	31.9	21.5 - 47.2	27			
West Rouge (P2)	28.9	18.1 - 45.5	20			
Amberlee (P3)	44.2	28.4 - 68.1	22			
Dunbarton (P4)	33.6	21.8 - 51.3	23			
Pickering City Centre (P5)	36.7	24.5 - 54.6	26			
Brock Ridge Pickering (P6)	46.7	30.0 - 71.9	22			
Pickering North (P7)	35.4	21.9 - 56.4	19			
Ajax	31.6	27.1 - 36.7	173			
Ajax Waterfront (A1)	21.2	11.5 - 38.2	12			
Downtown Ajax (A2)	22.6	12.6 - 39.8	13			
Carruthers (A3)	48.9	33.6 - 70.7	30			
Central Ajax (A4)	40.0	26.0 - 61.1	23			
Riverside-Hermitage (A5)	24.6	14.5 - 40.8	16			
Westney Heights (A6)	26.3	13.8 - 48.6	11			
Applecroft (A7)	34.7	21.8 - 54.7	20			
Ajax Northwest (A8)	35.7	24.0 - 52.7	27			
Ajax Northeast (A9)	28.1	17.8 - 43.7	21			
Whitby	34.4	30.0 - 39.5	210			
Whitby South (W1)	58.3	42.2 - 80.3	40			↻
Downtown Whitby (W2)	30.5	20.0 - 46.1	24			
Cochrane South (W3)	19.7	9.6 - 38.9	9			
Manning (W4)	26.3	16.5 - 41.4	20			
Williamsburg (W5)	25.2	13.3 - 46.6	11			
Whitby Brock North (W6)	37.2	23.9 - 57.4	22			
Dryden-Anderson (W7)	34.1	21.1 - 54.4	19			
Dryden East (W8)	32.9	20.6 - 51.8	20			
Brooklin East (W9)	29.9	18.3 - 48.3	18			
Brooklin West (W10)	43.8	29.5 - 64.7	27			
Oshawa	33.2	29.2 - 37.7	246			
Lakeview (O1)	29.1	19.0 - 44.0	24			
Gibb West (O2)	34.3	21.5 - 54.0	20			
Downtown Oshawa (O3)	38.7	24.6 - 60.2	21			
Central Park (O4)	32.1	19.6 - 51.8	18			
Grandview South (O5)	35.0	22.0 - 55.1	20			
Stevenson North (O6)	37.0	25.5 - 53.2	31			
Hillsdale (O7)	38.5	24.7 - 59.4	22			
Beatrice South (O8)	24.9	14.7 - 41.4	16			
Grandview North (O9)	30.7	18.8 - 49.6	18			
Beatrice North (O10)	41.1	26.1 - 64.1	21			
Oshawa Northwest (O11)	28.3	16.5 - 47.9	15			
Oshawa Northeast (O12)	30.6	19.2 - 48.2	20			
Clarington	49.7	43.3 - 57.0	210			↻
Courtice South (C1)	31.6	20.7 - 47.9	24			
Courtice North (C2)	19.4	9.9 - 37.0	10			
Bowmanville South (C3)	78.0	59.5 - 102.0	56			↻
Bowmanville Central (C4)	53.7	35.5 - 80.5	25			
Bowmanville North (C5)	64.1	45.6 - 89.8	36			↻
Darlington (C6)	30.3	17.2 - 52.2	14			
Clarke (C7)	60.2	44.4 - 81.3	45			↻
Scugog	31.2	21.8 - 44.3	33			
Port Perry (S1)	37.7	22.7 - 61.7	17			
Rural Scugog (S2)	26.3	15.6 - 43.8	16			
Uxbridge	28.1	19.2 - 41.0	29			
Urban Uxbridge (U1)	38.9	25.5 - 58.9	24			
Rural Uxbridge (U2)	12.1	4.4 - 29.9	5	↻		
Brock						
Brock (B1)	57.4	39.4 - 83.1	30			↻
Durham Region	36.0	33.9 - 38.2	1,090	Lower than Ontario		
Range	12.1 - 78.0		5 - 56			
Ontario	56.7	56.2 - 57.3	36,462			

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.

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.

Influenza Incidence Rate (2009-2013)

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

Order	Health Neighbourhood	Rate per 100,000	Number of Influenza Cases	Compared to Durham Region (Lower is Better)	Quintile
1	Rural Uxbridge (U2)	12.1	5	LOWER	1
2	Courtice North (C2)	19.4	10	similar	1
3	Cochrane South (W3)	19.7	9	similar	1
4	Ajax Waterfront (A1)	21.2	12	similar	1
5	Downtown Ajax (A2)	22.6	13	similar	1
6	Riverside-Hermitage (A5)	24.6	16	similar	1
7	Beatrice South (O8)	24.9	16	similar	1
8	Williamsburg (W5)	25.2	11	similar	1
9	Manning (W4)	26.3	20	similar	1
10	Westney Heights (A6)	26.3	11	similar	1
11	Rural Scugog (S2)	26.3	16	similar	1
12	Ajax Northeast (A9)	28.1	21	similar	1
13	Oshawa Northwest (O11)	28.3	15	similar	1
14	West Rouge (P2)	28.9	20	similar	1
15	Lakeview (O1)	29.1	24	similar	1
16	Brooklin East (W9)	29.9	18	similar	2
17	Darlington (C6)	30.3	14	similar	2
18	Downtown Whitby (W2)	30.5	24	similar	2
19	Oshawa Northeast (O12)	30.6	20	similar	2
20	Grandview North (O9)	30.7	18	similar	2
21	Courtice South (C1)	31.6	24	similar	2
22	Frenchman's Bay (P1)	31.9	27	similar	2
23	Central Park (O4)	32.1	18	similar	2
24	Dryden East (W8)	32.9	20	similar	2
25	Dunbarton (P4)	33.6	23	similar	2
26	Dryden-Anderson (W7)	34.1	19	similar	2
27	Gibb West (O2)	34.3	20	similar	3
28	Applecroft (A7)	34.7	20	similar	3
29	Grandview South (O5)	35.0	20	similar	3
30	Pickering North (P7)	35.4	19	similar	3
31	Ajax Northwest (A8)	35.7	27	similar	3
32	Pickering City Centre (P5)	36.7	26	similar	3
33	Stevenson North (O6)	37.0	31	similar	3
34	Whitby Brock North (W6)	37.2	22	similar	3
35	Port Perry (S1)	37.7	17	similar	3
36	Hillsdale (O7)	38.5	22	similar	3
37	Downtown Oshawa (O3)	38.7	21	similar	4
38	Urban Uxbridge (U1)	38.9	24	similar	4
39	Central Ajax (A4)	40.0	23	similar	4
40	Beatrice North (O10)	41.1	21	similar	4
41	Brooklin West (W10)	43.8	27	similar	4
42	Amberlee (P3)	44.2	22	similar	4
43	Brock Ridge Pickering (P6)	46.7	22	similar	4
44	Carruthers (A3)	48.9	30	similar	4
45	Bowmanville Central (C4)	53.7	25	similar	4
46	Brock (B1)	57.4	30	HIGHER	5
47	Whitby South (W1)	58.3	40	HIGHER	5
48	Clarke (C7)	60.2	45	HIGHER	5
49	Bowmanville North (C5)	64.1	36	HIGHER	5
50	Bowmanville South (C3)	78.0	56	HIGHER	5

Influenza Incidence Rate (2009-2013)

Table 3: Influenza incidence rate by Durham Region Municipality

Municipality	Rate per 100,000	Number of Cases of Influenza	Compared to Durham Region (Lower is Better)
Pickering	35.8	159	similar
Ajax	31.6	173	similar
Whitby	34.4	210	similar
Oshawa	33.2	246	similar
Clarington	49.7	210	HIGHER
Scugog	31.2	33	similar
Uxbridge	28.1	29	similar
Brock	57.4	30	HIGHER
Durham Region	36.0	1,090	Lower than Ontario
Ontario	56.7	36,462	

What You Need to Know

- A lower rate of influenza 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.
- Influenza incidence ranges by Health Neighbourhood from 12.1 to 78.0 per 100,000.
- Influenza rates are highest in Clarington and the Neighbourhoods of Brock and Whitby South. Incidence may not relate to flu shot rates at the Neighbourhood level because the numbers of reported cases of influenza are small relative to the population and those getting flu shots are different people from those contracting influenza. Higher rates may occur in Neighbourhoods where residents tend to seek treatment in clinics or hospitals that are likely to test for influenza.

Indicator Notes

- This indicator measures the number of cases of influenza divided by the total population, multiplied by 100,000. Influenza, commonly called the flu, is an acute respiratory illness caused by a virus.
- 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.
- In Canada, the influenza season usually runs from November to April and rates fluctuate from year to year. As a reportable infectious disease, physicians, hospitals and laboratories must report cases 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 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 Infectious Diseases 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.