















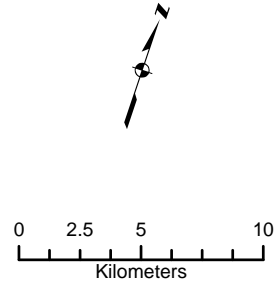
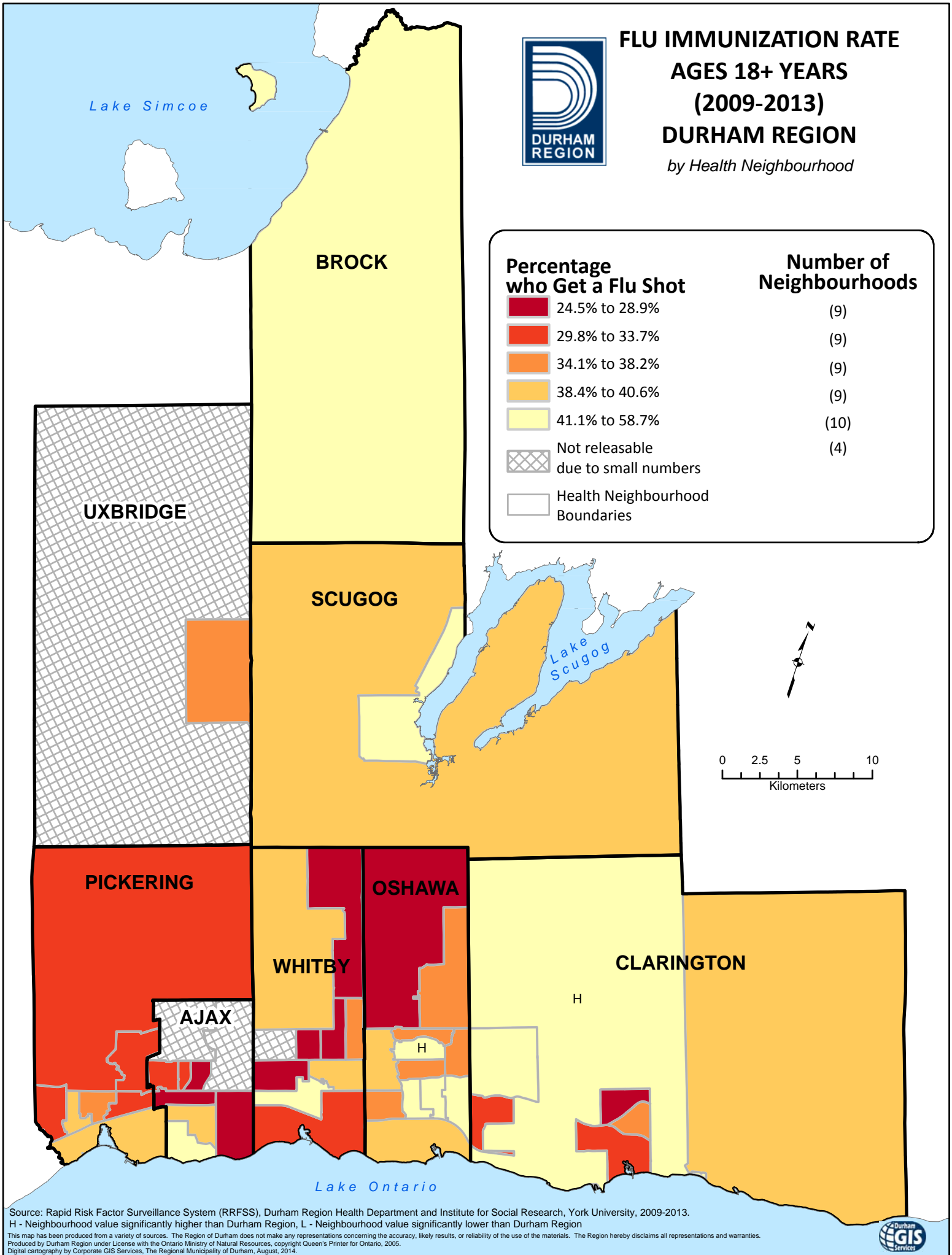
FLU IMMUNIZATION RATE
AGES 18+ YEARS
(2009-2013)
DURHAM REGION
by Health Neighbourhood

Percentage who Get a Flu Shot

-  24.5% to 28.9%
-  29.8% to 33.7%
-  34.1% to 38.2%
-  38.4% to 40.6%
-  41.1% to 58.7%

Number of Neighbourhoods

-  (9)
-  (9)
-  (9)
-  (9)
-  (10)
-  Not releasable due to small numbers (4)
-  Health Neighbourhood Boundaries



Source: Rapid Risk Factor Surveillance System (RRFSS), Durham Region Health Department and Institute for Social Research, York University, 2009-2013.

H - Neighbourhood value significantly higher than Durham Region, L - Neighbourhood value significantly lower than Durham Region. 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, August, 2014.



Flu Immunization Rate, Ages 18+ Years (2009-2013)

Table 1: Health Neighbourhoods Indicator Summary



↑ Higher is Better

	Percentage who Get a Flu Shot	95% Confidence Interval	Compared to Durham Rate		
			Lower	Similar	Higher
Pickering	35%	30% - 41%			
Frenchman's Bay (P1)	41%	30% - 52%			
West Rouge (P2)	32%*	20% - 47%			
Amberlee (P3)	40%*	25% - 57%			
Dunbarton (P4)	36%*	25% - 50%			
Pickering City Centre (P5)	32%*	19% - 48%			
Brock Ridge Pickering (P6)	30%*	17% - 49%			
Pickering North (P7)	32%*	18% - 51%			
Ajax	32%	27% - 37%			
Ajax Waterfront (A1)	44%	31% - 58%			
Downtown Ajax (A2)	39%*	25% - 55%			
Carruthers (A3)	26%*	16% - 39%			
Central Ajax (A4)	29%*	17% - 45%			
Riverside-Hermitage (A5)	34%*	20% - 51%			
Westney Heights (A6)	31%*	16% - 51%			
Applecroft (A7)	27%*	15% - 43%			
Ajax Northwest (A8)	NR				
Ajax Northeast (A9)	NR				
Whitby	35%	31% - 39%			
Whitby South (W1)	30%*	20% - 41%			
Downtown Whitby (W2)	48%	38% - 59%			
Cochrane South (W3)	29%*	18% - 42%			
Manning (W4)	39%	28% - 52%			
Williamsburg (W5)	NR				
Whitby Brock North (W6)	28%*	18% - 41%			
Dryden-Anderson (W7)	27%*	17% - 40%			
Dryden East (W8)	37%*	25% - 51%			
Brooklin East (W9)	28%*	18% - 41%			
Brooklin West (W10)	39%*	27% - 53%			
Oshawa	39%	36% - 43%			
Lakeview (O1)	40%	29% - 53%			
Gibb West (O2)	37%*	25% - 50%			
Downtown Oshawa (O3)	45%	32% - 59%			
Central Park (O4)	43%	31% - 55%			
Grandview South (O5)	43%	32% - 55%			
Stevenson North (O6)	39%	29% - 50%			
Hillsdale (O7)	36%*	25% - 49%			
Beatrice South (O8)	52%	39% - 64%			é
Grandview North (O9)	36%*	24% - 51%			
Beatrice North (O10)	36%*	23% - 52%			
Oshawa Northwest (O11)	25%*	16% - 36%			
Oshawa Northeast (O12)	38%*	26% - 52%			
Clarington	38%	33% - 43%			
Courtice South (C1)	32%*	22% - 43%			
Courtice North (C2)	41%*	25% - 60%			
Bowmanville South (C3)	33%	23% - 44%			
Bowmanville Central (C4)	34%*	22% - 48%			
Bowmanville North (C5)	28%*	16% - 42%			
Darlington (C6)	59%	47% - 70%			é
Clarke (C7)	40%	31% - 50%			
Scugog	41%	32% - 49%			
Port Perry (S1)	44%	32% - 57%			
Rural Scugog (S2)	38%	28% - 50%			
Uxbridge	37%	28% - 48%			
Urban Uxbridge (U1)	38%	27% - 50%			
Rural Uxbridge (U2)	NR				
Brock					
Brock (B1)	46%	36% - 57%			
Durham Region	37%	35% - 39%			
Range	25%- 59%				

Source: Rapid Risk Factor Surveillance System (RRFSS), Durham Region Health Department and Institute for Social Research, York University, 2009-2013.

Note: Estimates marked with * should be used with caution because of high sampling variability with a Coefficient of Variation (CV) between 16.5% and 33.3%. Estimates with a CV greater than 33.3%, a numerator less than 5 or a denominator less than 30 have been suppressed and are marked as Not Releaseable (NR). Lower (down arrow) or Higher (up arrow) means that the 95% confidence intervals do not overlap with those of Durham Region and are significantly different.

Flu Immunization Rate, Ages 18+ Years (2009-2013)

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

Order	Health Neighbourhoods	Percentage who Get a Flu Shot	Compared to Durham Region (Higher is Better)	Quintile
1	Oshawa Northwest (O11)	25%*	similar	1
2	Carruthers (A3)	26%*	similar	1
3	Dryden-Anderson (W7)	27%*	similar	1
4	Applecroft (A7)	27%*	similar	1
5	Bowmanville North (C5)	28%*	similar	1
6	Whitby Brock North (W6)	28%*	similar	1
7	Brooklin East (W9)	28%*	similar	1
8	Cochrane South (W3)	29%*	similar	1
9	Central Ajax (A4)	29%*	similar	1
10	Whitby South (W1)	30%*	similar	2
11	Brock Ridge Pickering (P6)	30%*	similar	2
12	Westney Heights (A6)	31%*	similar	2
13	Courtice South (C1)	32%*	similar	2
14	West Rouge (P2)	32%*	similar	2
15	Pickering City Centre (P5)	32%*	similar	2
16	Pickering North (P7)	32%*	similar	2
17	Bowmanville South (C3)	33%	similar	2
18	Riverside-Hermitage (A5)	34%*	similar	2
19	Bowmanville Central (C4)	34%*	similar	3
20	Hillsdale (O7)	36%*	similar	3
21	Beatrice North (O10)	36%*	similar	3
22	Grandview North (O9)	36%*	similar	3
23	Dunbarton (P4)	36%*	similar	3
24	Dryden East (W8)	37%*	similar	3
25	Gibb West (O2)	37%*	similar	3
26	Urban Uxbridge (U1)	38%	similar	3
27	Oshawa Northeast (O12)	38%*	similar	3
28	Rural Scugog (S2)	38%	similar	4
29	Stevenson North (O6)	39%	similar	4
30	Downtown Ajax (A2)	39%*	similar	4
31	Brooklin West (W10)	39%*	similar	4
32	Manning (W4)	39%	similar	4
33	Amberlee (P3)	40%*	similar	4
34	Clarke (C7)	40%	similar	4
35	Lakeview (O1)	40%	similar	4
36	Frenchman's Bay (P1)	41%	similar	4
37	Courtice North (C2)	41%*	similar	5
38	Central Park (O4)	43%	similar	5
39	Grandview South (O5)	43%	similar	5
40	Port Perry (S1)	44%	similar	5
41	Ajax Waterfront (A1)	44%	similar	5
42	Downtown Oshawa (O3)	45%	similar	5
43	Brock (B1)	46%	similar	5
44	Downtown Whitby (W2)	48%	similar	5
45	Beatrice South (O8)	52%	HIGHER	5
46	Darlington (C6)	59%	HIGHER	5
47	Ajax Northwest (A8)	NR		
48	Ajax Northeast (A9)	NR		
49	Rural Uxbridge (U2)	NR		
50	Williamsburg (W5)	NR		

Flu Immunization Rate, Ages 18+ Years (2009-2013)

Table 3: Percentage who get a flu shot by Durham Region Municipality

Municipality	Percentage who Get a Flu Shot	Compared to Durham Region (Higher is Better)
Pickering	35%	similar
Ajax	32%	similar
Whitby	35%	similar
Oshawa	39%	similar
Clarington	38%	similar
Scugog	41%	similar
Uxbridge	37%	similar
Brock	46%	similar
Durham Region	37%	

What You Need to Know

- A higher flu shot rate is better for health.
- The percentage of adults who get their flu shot ranges by Health Neighbourhood from 25% to 59%.
- When there is a good match between the vaccine in the flu shot and the flu types circulating in the community, the flu shot can prevent the flu in about 60% to 80% of healthy children and adults. For the elderly and other high risk persons, studies have shown that flu shots decrease the incidence of pneumonia, hospital admission and death. The highest rates are in an Oshawa and a Clarington Neighbourhood.

Indicator Notes

- This indicator measures the percentage of adults aged 18 years or older who get a flu shot.
- Source: Rapid Risk Factor Surveillance System (RRFSS), Durham Region Health Department and Institute for Social Research, York University, 2009-2013.
- RRFSS is an ongoing survey of adults in Durham Region that collects data related to health knowledge, attitudes and behaviours. Five years of data were combined to provide a large enough sample for analysis at the Neighbourhood level. Respondents were asked if they had received their seasonal flu shot for the year.
- Neighbourhoods were sorted by the percentage of adults who get a flu shot and divided into quintiles (five equal groupings). Approximately 10 Health Neighbourhoods are in each quintile.
- 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. Estimates marked with an asterisk (*) should be used with caution because they have high sampling variability with a coefficient of variation between 16.5% and 33.3%. Estimates with a coefficient of variation greater than 33.3%, a numerator less than 5, or a denominator less than 30 have been suppressed and are marked as Not Releasable. Four Neighbourhoods had rates that were not releasable because the numbers were too small.
- For more information about influenza rates in Durham Region, see Infectious Diseases at durham.ca/healthstats. For information about the indicator definition, see [APHEO Core Indicators](#).

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

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