



ASTHMA EMERGENCY DEPARTMENT VISIT RATE AGES 0-14 YEARS (2010-2012) DURHAM REGION

by Health Neighbourhood

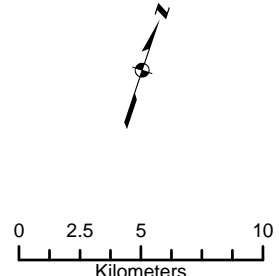
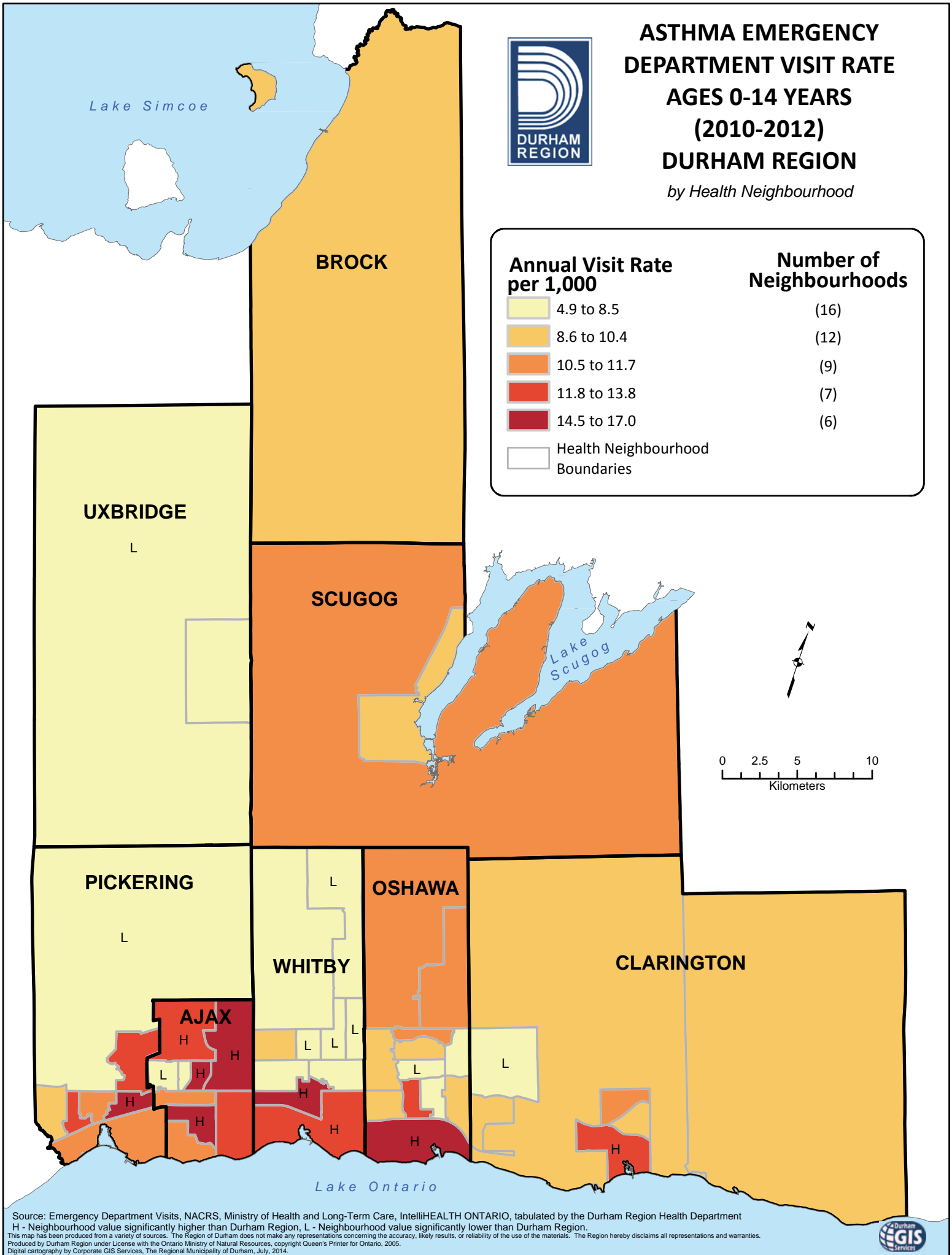
Annual Visit Rate per 1,000

- 4.9 to 8.5
- 8.6 to 10.4
- 10.5 to 11.7
- 11.8 to 13.8
- 14.5 to 17.0

Number of Neighbourhoods

- (16)
- (12)
- (9)
- (7)
- (6)

Health Neighbourhood
Boundaries



Source: Emergency Department Visits, NACRS, Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO, tabulated by the Durham Region Health Department
 H - Neighbourhood value significantly higher than Durham Region, L - Neighbourhood value significantly lower than Durham Region.
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Asthma, ED Visit Rate, Ages 0-14 Years (2010-2012)

Table 1: Health Neighbourhoods Indicator Summary

↩ Lower is Better



	Annual Rate per 1,000	95% Confidence Interval	Number of Emergency Department Visits	Compared to Durham Rate		
				Lower	Similar	Higher
Pickering	11.2	10.3 - 12.2	511			
Frenchman's Bay (P1)	10.5	8.3 - 13.1	78			
West Rouge (P2)	8.9	7.1 - 11.0	82			
Amberlee (P3)	12.5	9.8 - 16.1	64			
Dunbarton (P4)	10.7	8.4 - 13.5	71			
Pickering City Centre (P5)	17.0	14.1 - 20.4	116			↗
Brock Ridge Pickering (P6)	13.0	10.2 - 16.5	69			
Pickering North (P7)	6.2	4.3 - 9.0	31	↩		
Ajax	12.5	11.7 - 13.4	852			↗
Ajax Waterfront (A1)	11.2	8.5 - 14.7	54			
Downtown Ajax (A2)	16.5	13.3 - 20.4	86			↗
Carruthers (A3)	11.8	9.7 - 14.3	104			
Central Ajax (A4)	11.7	9.2 - 15.0	66			
Riverside-Hermitage (A5)	6.0	4.4 - 8.1	43	↩		
Westney Heights (A6)	8.5	6.1 - 11.8	39			
Applecroft (A7)	15.0	12.4 - 18.1	110			↗
Ajax Northwest (A8)	13.4	11.4 - 15.7	156			↗
Ajax Northeast (A9)	15.1	13.1 - 17.4	194			↗
Whitby	8.4	7.8 - 9.1	643	↩		
Whitby South (W1)	13.5	11.1 - 16.5	103			↗
Downtown Whitby (W2)	14.5	11.9 - 17.7	99			↗
Cochrane South (W3)	7.9	5.6 - 11.0	36			
Manning (W4)	7.5	5.6 - 10.0	50			
Williamsburg (W5)	8.6	6.7 - 11.0	65			
Whitby Brock North (W6)	7.1	5.4 - 9.4	51	↩		
Dryden-Anderson (W7)	4.9	3.4 - 7.0	31	↩		
Dryden East (W8)	7.5	5.8 - 9.6	65	↩		
Brooklin East (W9)	5.7	4.4 - 7.4	62	↩		
Brooklin West (W10)	8.2	6.6 - 10.2	81			
Oshawa	10.2	9.5 - 11.0	763			
Lakeview (O1)	14.7	12.4 - 17.3	147			↗
Gibb West (O2)	9.4	7.1 - 12.6	49			
Downtown Oshawa (O3)	12.4	9.5 - 16.2	56			
Central Park (O4)	7.8	5.5 - 11.0	35			
Grandview South (O5)	10.1	7.5 - 13.6	46			
Stevenson North (O6)	8.9	6.8 - 11.5	60			
Hillsdale (O7)	5.1	3.4 - 7.7	25	↩		
Beatrice South (O8)	9.0	6.7 - 12.2	46			
Grandview North (O9)	7.8	5.9 - 10.1	57			
Beatrice North (O10)	11.1	8.6 - 14.2	63			
Oshawa Northwest (O11)	11.7	9.2 - 14.9	69			
Oshawa Northeast (O12)	10.7	8.8 - 12.9	110			
Clarington	10.2	9.4 - 11.2	498			
Courtice South (C1)	10.3	8.5 - 12.5	103			
Courtice North (C2)	4.9	3.3 - 7.4	25	↩		
Bowmanville South (C3)	13.8	11.5 - 16.7	115			↗
Bowmanville Central (C4)	10.4	8.0 - 13.4	59			
Bowmanville North (C5)	11.1	9.0 - 13.6	92			
Darlington (C6)	8.6	6.0 - 12.4	31			
Clarke (C7)	9.5	7.5 - 12.0	73			
Scugog	10.3	8.5 - 12.5	104			
Port Perry (S1)	10.0	7.4 - 13.5	45			
Rural Scugog (S2)	10.5	8.1 - 13.6	59			
Uxbridge	7.1	5.6 - 9.0	75	↩		
Urban Uxbridge (U1)	7.7	5.8 - 10.1	52			
Rural Uxbridge (U2)	6.2	4.0 - 9.4	23	↩		
Brock						
Brock (B1)	9.1	6.8 - 12.0	51			
Durham Region	10.3	10.0 - 10.7	3,497	Similar to Ontario		
Range	4.9 - 17.0		23 - 194			
Ontario	10.6	10.5 - 10.7	69,201			

Source: Emergency Department (ED) Visits, 2010-2012, Ministry of Health and Long-Term Care, IntelliHEALTH & 2011 Census, Statistics Canada.

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.

Asthma, Emergency Department Visit Rate, 0-14 Years (2010-2012)

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

Order	Health Neighbourhoods	Annual Rate per 1,000	Number of Visits	Compared to Durham Region (Lower is Better)	Quintiles
1	Dryden-Anderson (W7)	4.9	31	LOWER	1
2	Courtice North (C2)	4.9	25	LOWER	1
3	Hillsdale (O7)	5.1	25	LOWER	1
4	Brooklin East (W9)	5.7	62	LOWER	1
5	Riverside-Hermitage (A5)	6.0	43	LOWER	1
6	Rural Uxbridge (U2)	6.2	23	LOWER	1
7	Pickering North (P7)	6.2	31	LOWER	1
8	Whitby Brock North (W6)	7.1	51	LOWER	1
9	Manning (W4)	7.5	50	similar	1
10	Dryden East (W8)	7.5	65	LOWER	1
11	Urban Uxbridge (U1)	7.7	52	similar	1
12	Grandview North (O9)	7.8	57	similar	1
13	Central Park (O4)	7.8	35	similar	1
14	Cochrane South (W3)	7.9	36	similar	1
15	Brooklin West (W10)	8.2	81	similar	1
16	Westney Heights (A6)	8.5	39	similar	1
17	Williamsburg (W5)	8.6	65	similar	2
18	Darlington (C6)	8.6	31	similar	2
19	West Rouge (P2)	8.9	82	similar	2
20	Stevenson North (O6)	8.9	60	similar	2
21	Beatrice South (O8)	9.0	46	similar	2
22	Brock (B1)	9.1	51	similar	2
23	Gibb West (O2)	9.4	49	similar	2
24	Clarke (C7)	9.5	73	similar	2
25	Port Perry (S1)	10.0	45	similar	2
26	Grandview South (O5)	10.1	46	similar	2
27	Courtice South (C1)	10.3	103	similar	2
28	Bowmanville Central (C4)	10.4	59	similar	2
29	Frenchman's Bay (P1)	10.5	78	similar	3
30	Rural Scugog (S2)	10.5	59	similar	3
31	Oshawa Northeast (O12)	10.7	110	similar	3
32	Dunbarton (P4)	10.7	71	similar	3
33	Beatrice North (O10)	11.1	63	similar	3
34	Bowmanville North (C5)	11.1	92	similar	3
35	Ajax Waterfront (A1)	11.2	54	similar	3
36	Central Ajax (A4)	11.7	66	similar	3
37	Oshawa Northwest (O11)	11.7	69	similar	3
38	Carruthers (A3)	11.8	104	similar	4
39	Downtown Oshawa (O3)	12.4	56	similar	4
40	Amberlee (P3)	12.5	64	similar	4
41	Brock Ridge Pickering (P6)	13.0	69	similar	4
42	Ajax Northwest (A8)	13.4	156	HIGHER	4
43	Whitby South (W1)	13.5	103	HIGHER	4
44	Bowmanville South (C3)	13.8	115	HIGHER	4
45	Downtown Whitby (W2)	14.5	99	HIGHER	5
46	Lakeview (O1)	14.7	147	HIGHER	5
47	Applecroft (A7)	15.0	110	HIGHER	5
48	Ajax Northeast (A9)	15.1	194	HIGHER	5
49	Downtown Ajax (A2)	16.5	86	HIGHER	5
50	Pickering City Centre (P5)	17.0	116	HIGHER	5

Asthma Emergency Department (ED) Visit Rate, Ages 0-14 Years (2010-2012)

Table 3: Asthma ED visit rate for ages 0-14 years by Durham Region Municipality

Municipality	Rate per 1,000	Number of ED Visits	Compared to Durham Region (Lower is Better)
Pickering	11.2	511	similar
Ajax	12.5	852	HIGHER
Whitby	8.4	643	LOWER
Oshawa	10.2	763	similar
Clarington	10.2	498	similar
Scugog	10.3	104	similar
Uxbridge	7.1	75	LOWER
Brock	9.1	51	similar
Durham Region	10.3	3,497	Similar to Ontario
Ontario	10.6	69,201	

What You Need to Know

- A lower rate of asthma ED visits is better for health.
- The rate ranges by Health Neighbourhood from 4.9 to 17.0 per 1,000.
- ED visits for asthma in children are higher in north Ajax, Lakeview and South Bowmanville. The downtown areas of Pickering, Ajax, and Whitby are also higher. Asthma ED visits may not necessarily correspond to asthma prevalence (how common the condition is) but may also reflect how well asthma is managed and treated, and also the likelihood of residents going to an ED versus a doctor's office.

Indicator Notes

- This indicator measures the number of ED visits for asthma among those aged 0-14 years, divided by the total population aged 0-14, multiplied by 1,000.
- Source: Emergency Department (ED) Visits, 2010-2012, Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO & 2011 Census, Statistics Canada.
- Asthma ED visits were defined as those with ICD10-CA code J45.
- The ED visits are based on patient residence, not the location of the hospital, where the "main problem" that is deemed to be the clinically significant reason for the visit is asthma. ED visits with postal codes that were missing or could not be coded to a Health Neighbourhood were excluded.
- Neighbourhoods were sorted by the asthma ED rate and divided into quintiles (five equal groupings) based on the total number of ED visits 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.
- For more information about asthma rates in Durham Region, see Chronic Disease Prevention at durham.ca/healthstats.

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.