

Change in Small-for-Gestational Age (SGA) rate Durham Region (Comparison of 2010-2012 and 2013-2015)

by Health Neighbourhood

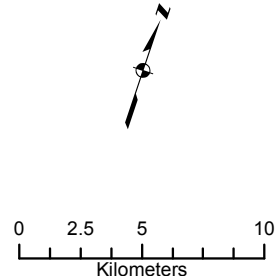
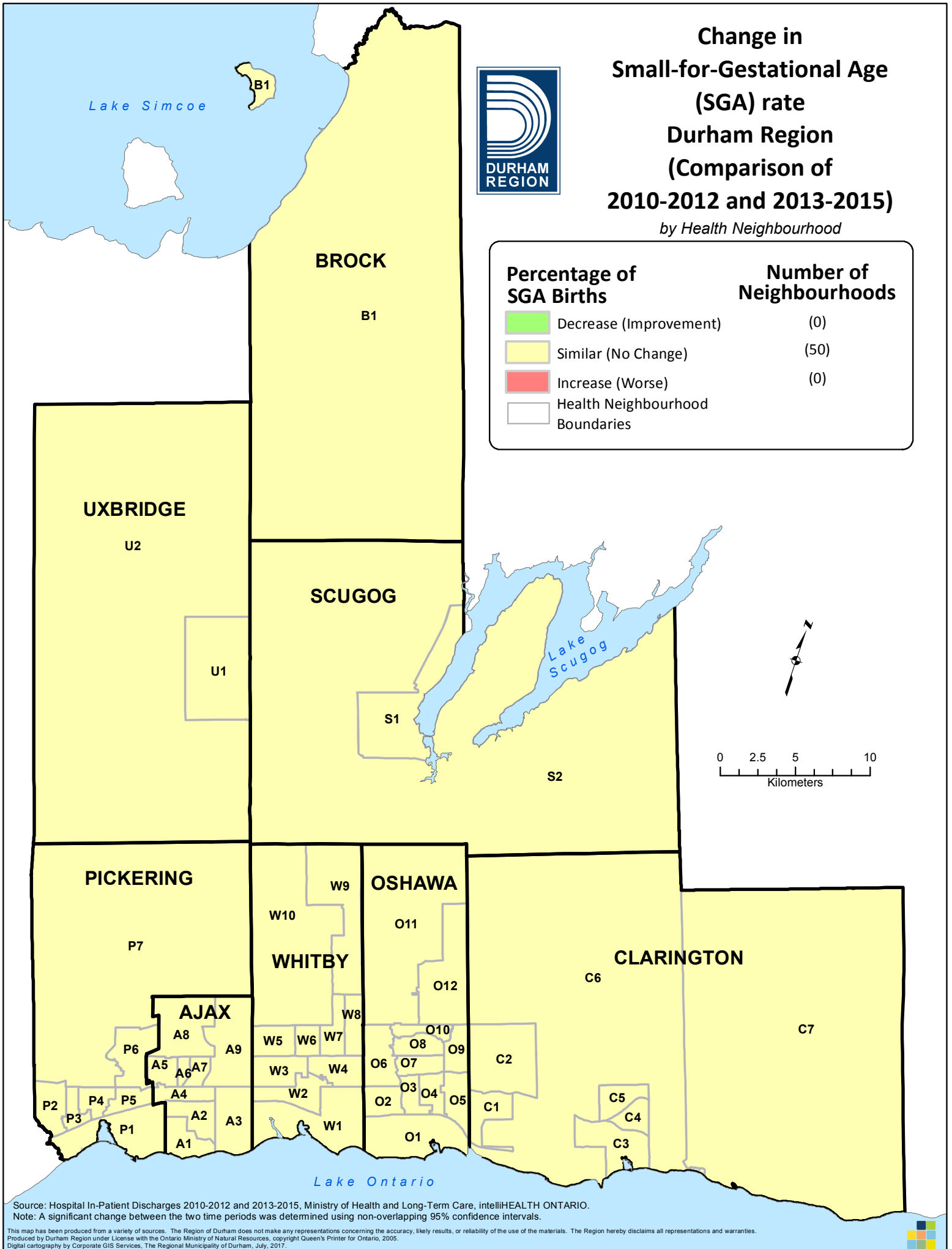


Percentage of SGA Births

- Decrease (Improvement)
- Similar (No Change)
- Increase (Worse)
- Health Neighbourhood Boundaries

Number of Neighbourhoods

- (0)
- (50)
- (0)



Source: Hospital In-Patient Discharges 2010-2012 and 2013-2015, Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO.
 Note: A significant change between the two time periods was determined using non-overlapping 95% confidence intervals.

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, July, 2017.



Small-for-gestational age (SGA) rate

Table 1: List of Health Neighbourhoods ranked from highest decrease to highest increase

Health Neighbourhoods	2010-12 Percentage	2013-15 Percentage	Difference (Lower is Better)	Comparison Over Time
Applecroft (A7)	11.4%	7.9%	-3.5%	similar
Darlington (C6)	7.5%	4.3%	-3.3%	similar
Dryden-Anderson (W7)	7.5%	4.3%	-3.2%	similar
Brock Ridge Pickering (P6)	14.0%	11.3%	-2.8%	similar
Westney Heights (A6)	12.5%	9.8%	-2.8%	similar
Courtice North (C2)	9.3%	6.7%	-2.6%	similar
Riverside-Hermitage (A5)	11.4%	9.0%	-2.4%	similar
Rural Scugog (S2)	5.3%	3.8%	-1.6%	similar
Pickering North (P7)	11.6%	10.1%	-1.5%	similar
Cochrane South (W3)	6.5%	5.0%	-1.5%	similar
Whitby Brock North (W6)	9.4%	8.1%	-1.3%	similar
Brooklin East (W9)	5.1%	3.8%	-1.3%	similar
Central Ajax (A4)	11.6%	10.5%	-1.1%	similar
Grandview North (O9)	7.3%	6.2%	-1.1%	similar
Port Perry (S1)	6.0%	5.2%	-0.8%	similar
Carruthers (A3)	9.5%	9.2%	-0.3%	similar
Rural Uxbridge (U2)	7.6%	7.4%	-0.3%	similar
Pickering City Centre (P5)	10.8%	10.6%	-0.2%	similar
Ajax Waterfront (A1)	7.2%	7.1%	-0.1%	similar
Whitby South (W1)	7.4%	7.5%	0.1%	similar
Clarke (C7)	3.5%	3.8%	0.2%	similar
Stevenson North (O6)	6.4%	6.7%	0.3%	similar
Manning (W4)	6.3%	6.7%	0.3%	similar
Downtown Whitby (W2)	8.5%	8.9%	0.5%	similar
Brock (B1)	7.1%	7.6%	0.6%	similar
Grandview South (O5)	6.9%	7.6%	0.7%	similar
Bowmanville South (C3)	6.3%	7.0%	0.7%	similar
Oshawa Northeast (O12)	7.6%	8.3%	0.7%	similar
Lakeview (O1)	10.1%	11.4%	1.3%	similar
Frenchman's Bay (P1)	7.1%	8.5%	1.4%	similar
Gibb West (O2)	7.4%	9.0%	1.6%	similar
Ajax Northeast (A9)	10.9%	12.6%	1.8%	similar
Brooklin West (W10)	5.0%	6.8%	1.8%	similar
Dunbarton (P4)	6.4%	8.2%	1.8%	similar
Downtown Oshawa (O3)	10.1%	11.9%	1.8%	similar
Hillsdale (O7)	6.8%	8.9%	2.0%	similar
Bowmanville North (C5)	4.6%	6.7%	2.1%	similar
Central Park (O4)	7.1%	9.4%	2.3%	similar
Urban Uxbridge (U1)	6.3%	8.6%	2.3%	similar
Williamsburg (W5)	6.3%	8.8%	2.5%	similar
Courtice South (C1)	4.4%	7.1%	2.6%	similar
Oshawa Northwest (O11)	5.7%	8.4%	2.7%	similar
Beatrice South (O8)	5.3%	8.1%	2.9%	similar
Beatrice North (O10)	7.0%	9.9%	2.9%	similar
Bowmanville Central (C4)	5.6%	8.9%	3.3%	similar
Downtown Ajax (A2)	7.1%	10.6%	3.4%	similar
Dryden East (W8)	6.0%	9.6%	3.7%	similar
Amberlee (P3)	7.8%	12.0%	4.2%	similar
West Rouge (P2)	9.0%	13.3%	4.3%	similar
Ajax Northwest (A8)	8.5%	12.9%	4.4%	similar

Small-for-gestational age (SGA) rate

Table 2: Comparison of 2010-12 and 2013-15

(Lower rates and decreases are better for health)

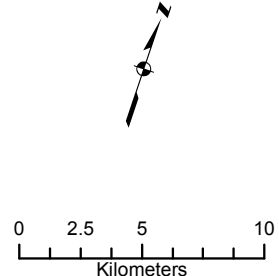
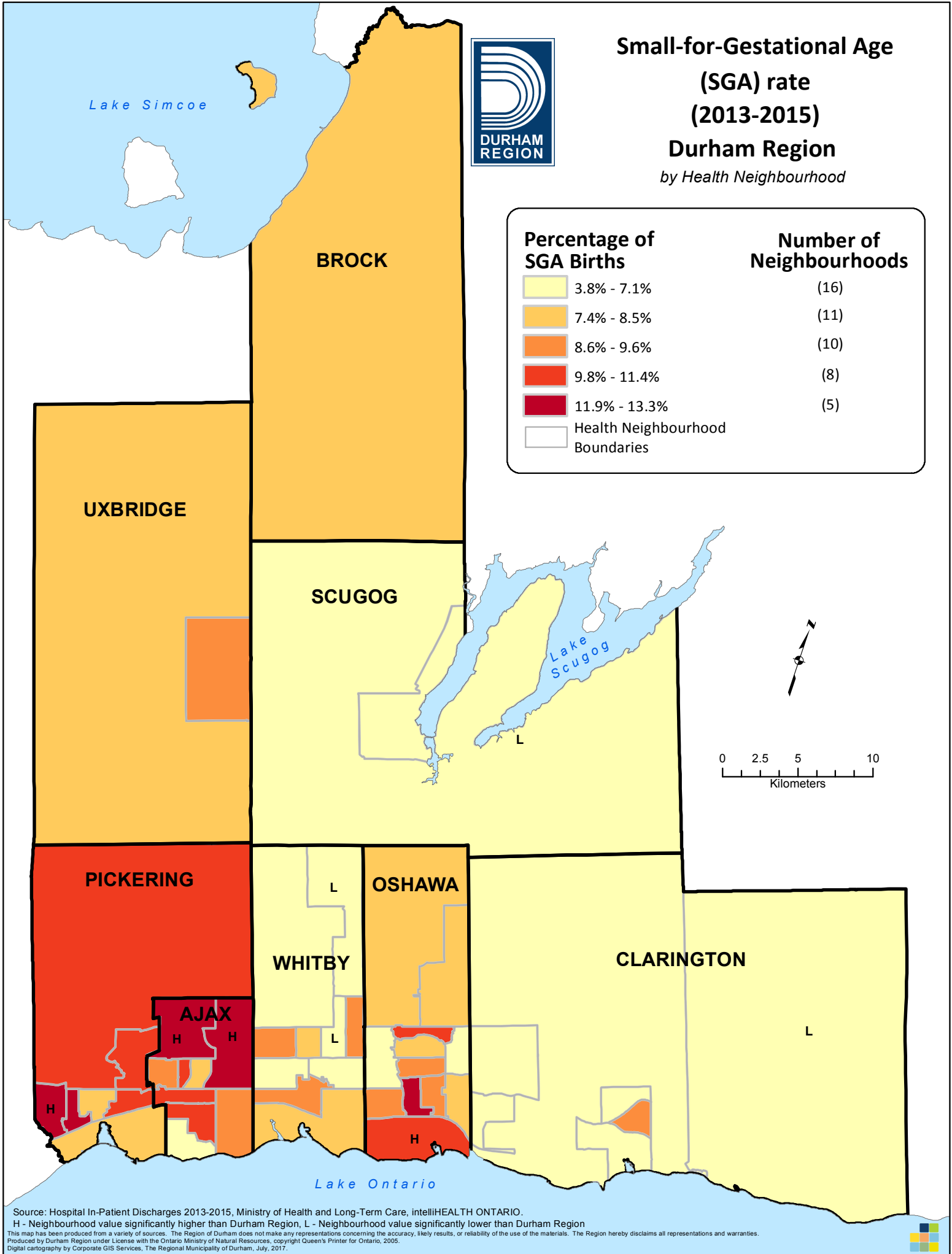
Municipality or Neighbourhood	2010-12 Percentage	Compared with Durham Region	2010-12 Number of SGA Births	2013-15 Percentage	Compared with Durham Region	2013-15 Number of SGA Births	Change over time	Comparison over time
Pickering	9.5%	HIGHER	208	10.5%	HIGHER	251	1%	similar
Frenchman's Bay (P1)	7.1%	similar	26	8.5%	similar	38	1%	similar
West Rouge (P2)	9.0%	similar	33	13.3%	HIGHER	50	4%	similar
Amberlee (P3)	7.8%	similar	18	12.0%	similar	27	4%	similar
Dunbarton (P4)	6.4%	similar	20	8.2%	similar	25	2%	similar
Pickering City Centre (P5)	10.8%	similar	44	10.6%	similar	38	0%	similar
Brock Ridge Pickering (P6)	14.0%	HIGHER	41	11.3%	similar	51	-3%	similar
Pickering North (P7)	11.6%	similar	26	10.1%	similar	22	-2%	similar
Ajax	10.0%	HIGHER	394	10.7%	HIGHER	410	1%	similar
Ajax Waterfront (A1)	7.2%	similar	16	7.1%	similar	15	0%	similar
Downtown Ajax (A2)	7.1%	similar	24	10.6%	similar	35	3%	similar
Carruthers (A3)	9.5%	similar	52	9.2%	similar	47	0%	similar
Central Ajax (A4)	11.6%	HIGHER	38	10.5%	similar	33	-1%	similar
Riverside-Hermitage (A5)	11.4%	similar	28	9.0%	similar	23	-2%	similar
Westney Heights (A6)	12.5%	HIGHER	33	9.8%	similar	24	-3%	similar
Applecroft (A7)	11.4%	HIGHER	41	7.9%	similar	30	-4%	similar
Ajax Northwest (A8)	8.5%	similar	57	12.9%	HIGHER	74	4%	similar
Ajax Northeast (A9)	10.9%	HIGHER	105	12.6%	HIGHER	129	2%	similar
Whitby	6.7%	similar	256	7.0%	LOWER	253	0%	similar
Whitby South (W1)	7.4%	similar	39	7.5%	similar	38	0%	similar
Downtown Whitby (W2)	8.5%	similar	34	8.9%	similar	39	0%	similar
Cochrane South (W3)	6.5%	similar	12	5.0%	similar	11	-2%	similar
Manning (W4)	6.3%	similar	18	6.7%	similar	22	0%	similar
Williamsburg (W5)	6.3%	similar	20	8.8%	similar	23	3%	similar
Whitby Brock North (W6)	9.4%	similar	32	8.1%	similar	24	-1%	similar
Dryden-Anderson (W7)	7.5%	similar	24	4.3%	LOWER	13	-3%	similar
Dryden East (W8)	6.0%	similar	23	9.6%	similar	32	4%	similar
Brooklin East (W9)	5.1%	similar	26	3.8%	LOWER	16	-1%	similar
Brooklin West (W10)	5.0%	LOWER	28	6.8%	similar	35	2%	similar
Oshawa	7.6%	similar	371	8.9%	similar	434	1%	similar
Lakeview (O1)	10.1%	similar	71	11.4%	HIGHER	73	1%	similar
Gibb West (O2)	7.4%	similar	30	9.0%	similar	31	2%	similar
Downtown Oshawa (O3)	10.1%	similar	40	11.9%	similar	42	2%	similar
Central Park (O4)	7.1%	similar	24	9.4%	similar	32	2%	similar
Grandview South (O5)	6.9%	similar	20	7.6%	similar	27	1%	similar
Stevenson North (O6)	6.4%	similar	26	6.7%	similar	29	0%	similar
Hillsdale (O7)	6.8%	similar	20	8.9%	similar	27	2%	similar
Beatrice South (O8)	5.3%	similar	15	8.1%	similar	22	3%	similar
Grandview North (O9)	7.3%	similar	33	6.2%	similar	24	-1%	similar
Beatrice North (O10)	7.0%	similar	25	9.9%	similar	36	3%	similar
Oshawa Northwest (O11)	5.7%	similar	20	8.4%	similar	33	3%	similar
Oshawa Northeast (O12)	7.6%	similar	47	8.3%	similar	58	1%	similar
Clarington	5.5%	LOWER	140	6.5%	LOWER	182	1%	similar
Courtice South (C1)	4.4%	LOWER	21	7.1%	similar	41	3%	similar
Courtice North (C2)	9.3%	similar	23	6.7%	similar	17	-3%	similar
Bowmanville South (C3)	6.3%	similar	30	7.0%	similar	35	1%	similar
Bowmanville Central (C4)	5.6%	similar	15	8.9%	similar	24	3%	similar
Bowmanville North (C5)	4.6%	LOWER	27	6.7%	similar	42	2%	similar
Darlington (C6)	7.5%	similar	12	4.3%	similar	9	-3%	similar
Clarke (C7)	3.5%	LOWER	12	3.8%	LOWER	14	0%	similar
Scugog	5.6%	similar	25	4.3%	LOWER	19	-1%	similar
Port Perry (S1)	6.0%	similar	11	5.2%	similar	9	-1%	similar
Rural Scugog (S2)	5.3%	similar	14	3.8%	LOWER	10	-2%	similar
Uxbridge	6.7%	similar	29	8.3%	similar	35	2%	similar
Urban Uxbridge (U1)	6.3%	similar	19	8.6%	similar	26	2%	similar
Rural Uxbridge (U2)	7.6%	similar	10	7.4%	similar	9	0%	similar
Brock - Brock (B1)	7.1%	similar	24	7.6%	similar	23	1%	similar
Durham Region	7.8%	LOWER	1,447	8.6%	LOWER	1,607	1%	INCREASE
Range	3.5% to 14.0%	--	10 - 105	3.8% to 13.3%	--	9 - 129	-4% to 4%	--
Ontario	9.2%	--	36,993	9.4%	--	37,052	0%	similar

Note: Durham Region rate is compared to Ontario (ON).



Small-for-Gestational Age (SGA) rate (2013-2015) Durham Region by Health Neighbourhood

Percentage of SGA Births	Number of Neighbourhoods
3.8% - 7.1%	(16)
7.4% - 8.5%	(11)
8.6% - 9.6%	(10)
9.8% - 11.4%	(8)
11.9% - 13.3%	(5)
Health Neighbourhood Boundaries	



Source: Hospital In-Patient Discharges 2013-2015, Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO.
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, July, 2017.



Small-for-gestational age (SGA) rate (2013-2015)

Table 3: List of Health Neighbourhoods ranked from lowest to highest

Order	Neighbourhood	Percentage	Number of SGA births	Compared with Durham Region (Lower is Better)	Quintile
1	Clarke (C7)	3.8%	14	LOWER	1
2	Rural Scugog (S2)	3.8%	10	LOWER	1
3	Brooklin East (W9)	3.8%	16	LOWER	1
4	Darlington (C6)	4.3%	9	similar	1
5	Dryden-Anderson (W7)	4.3%	13	LOWER	1
6	Cochrane South (W3)	5.0%	11	similar	1
7	Port Perry (S1)	5.2%	9	similar	1
8	Grandview North (O9)	6.2%	24	similar	1
9	Manning (W4)	6.7%	22	similar	1
10	Bowmanville North (C5)	6.7%	42	similar	1
11	Stevenson North (O6)	6.7%	29	similar	1
12	Courtice North (C2)	6.7%	17	similar	1
13	Brooklin West (W10)	6.8%	35	similar	1
14	Bowmanville South (C3)	7.0%	35	similar	1
15	Courtice South (C1)	7.1%	41	similar	1
16	Ajax Waterfront (A1)	7.1%	15	similar	1
17	Rural Uxbridge (U2)	7.4%	9	similar	2
18	Whitby South (W1)	7.5%	38	similar	2
19	Grandview South (O5)	7.6%	27	similar	2
20	Brock (B1)	7.6%	23	similar	2
21	Applecroft (A7)	7.9%	30	similar	2
22	Whitby Brock North (W6)	8.1%	24	similar	2
23	Beatrice South (O8)	8.1%	22	similar	2
24	Dunbarton (P4)	8.2%	25	similar	2
25	Oshawa Northeast (O12)	8.3%	58	similar	2
26	Oshawa Northwest (O11)	8.4%	33	similar	2
27	Frenchman's Bay (P1)	8.5%	38	similar	2
28	Urban Uxbridge (U1)	8.6%	26	similar	3
29	Williamsburg (W5)	8.8%	23	similar	3
30	Hillsdale (O7)	8.9%	27	similar	3
31	Bowmanville Central (C4)	8.9%	24	similar	3
32	Downtown Whitby (W2)	8.9%	39	similar	3
33	Riverside-Hermitage (A5)	9.0%	23	similar	3
34	Gibb West (O2)	9.0%	31	similar	3
35	Carruthers (A3)	9.2%	47	similar	3
36	Central Park (O4)	9.4%	32	similar	3
37	Dryden East (W8)	9.6%	32	similar	3
38	Westney Heights (A6)	9.8%	24	similar	4
39	Beatrice North (O10)	9.9%	36	similar	4
40	Pickering North (P7)	10.1%	22	similar	4
41	Central Ajax (A4)	10.5%	33	similar	4
42	Downtown Ajax (A2)	10.6%	35	similar	4
43	Pickering City Centre (P5)	10.6%	38	similar	4
44	Brock Ridge Pickering (P6)	11.3%	51	similar	4
45	Lakeview (O1)	11.4%	73	HIGHER	4
46	Downtown Oshawa (O3)	11.9%	42	similar	5
47	Amberlee (P3)	12.0%	27	similar	5
48	Ajax Northeast (A9)	12.6%	129	HIGHER	5
49	Ajax Northwest (A8)	12.9%	74	HIGHER	5
50	West Rouge (P2)	13.3%	50	HIGHER	5



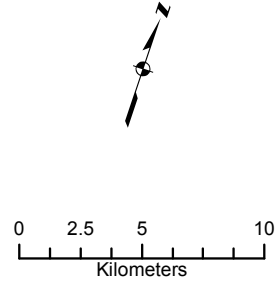
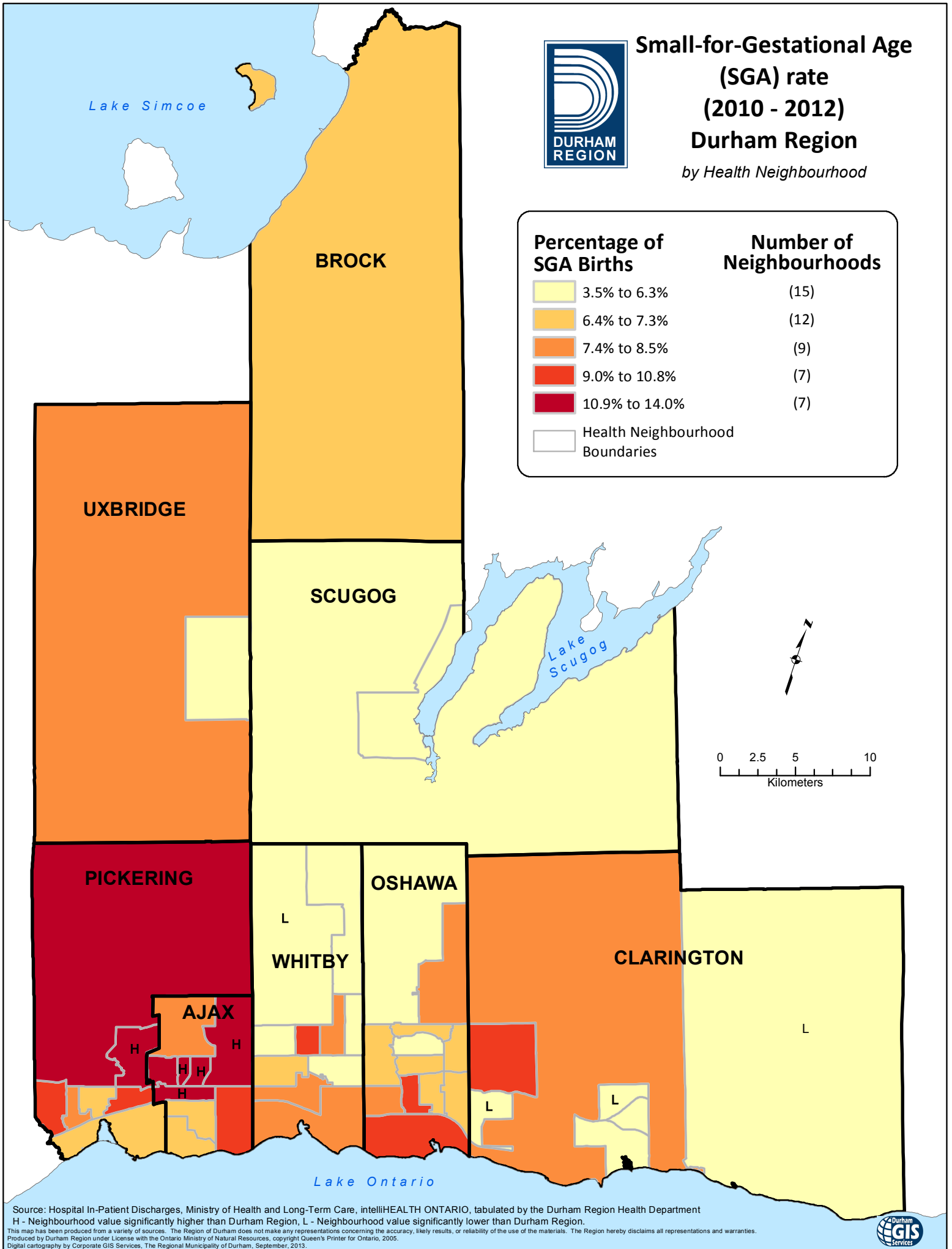
Small-for-Gestational Age (SGA) rate (2010 - 2012) Durham Region

by Health Neighbourhood

Percentage of SGA Births

Number of Neighbourhoods

	3.5% to 6.3%	(15)
	6.4% to 7.3%	(12)
	7.4% to 8.5%	(9)
	9.0% to 10.8%	(7)
	10.9% to 14.0%	(7)
	Health Neighbourhood Boundaries	



Source: Hospital In-Patient Discharges, 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.

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, September, 2013.



Small-for-gestational age (SGA) rate (2010-2012)

Table 4: List of Health Neighbourhoods ranked from lowest to highest

Order	Neighbourhood	Percentage	Number of SGA births	Compared with Durham Region (Lower is Better)	Quintile
1	Clarke (C7)	3.5%	12	LOWER	1
2	Courtice South (C1)	4.4%	21	LOWER	1
3	Bowmanville North (C5)	4.6%	27	LOWER	1
4	Brooklin West (W10)	5.0%	28	LOWER	1
5	Brooklin East (W9)	5.1%	26	similar	1
6	Beatrice South (O8)	5.3%	15	similar	1
7	Rural Scugog (S2)	5.3%	14	similar	1
8	Bowmanville Central (C4)	5.6%	15	similar	1
9	Oshawa Northwest (O11)	5.7%	20	similar	1
10	Dryden East (W8)	6.0%	23	similar	1
11	Port Perry (S1)	6.0%	11	similar	1
12	Williamsburg (W5)	6.3%	20	similar	1
13	Urban Uxbridge (U1)	6.3%	19	similar	1
14	Bowmanville South (C3)	6.3%	30	similar	1
15	Manning (W4)	6.3%	18	similar	1
16	Stevenson North (O6)	6.4%	26	similar	2
17	Dunbarton (P4)	6.4%	20	similar	2
18	Cochrane South (W3)	6.5%	12	similar	2
19	Hillsdale (O7)	6.8%	20	similar	2
20	Grandview South (O5)	6.9%	20	similar	2
21	Beatrice North (O10)	7.0%	25	similar	2
22	Brock (B1)	7.1%	24	similar	2
23	Central Park (O4)	7.1%	24	similar	2
24	Frenchman's Bay (P1)	7.1%	26	similar	2
25	Downtown Ajax (A2)	7.1%	24	similar	2
26	Ajax Waterfront (A1)	7.2%	16	similar	2
27	Grandview North (O9)	7.3%	33	similar	2
28	Gibb West (O2)	7.4%	30	similar	3
29	Whitby South (W1)	7.4%	39	similar	3
30	Dryden-Anderson (W7)	7.5%	24	similar	3
31	Darlington (C6)	7.5%	12	similar	3
32	Oshawa Northeast (O12)	7.6%	47	similar	3
33	Rural Uxbridge (U2)	7.6%	10	similar	3
34	Amberlee (P3)	7.8%	18	similar	3
35	Downtown Whitby (W2)	8.5%	34	similar	3
36	Ajax Northwest (A8)	8.5%	57	similar	3
37	West Rouge (P2)	9.0%	33	similar	4
38	Courtice North (C2)	9.3%	23	similar	4
39	Whitby Brock North (W6)	9.4%	32	similar	4
40	Carruthers (A3)	9.5%	52	similar	4
41	Downtown Oshawa (O3)	10.1%	40	similar	4
42	Lakeview (O1)	10.1%	71	similar	4
43	Pickering City Centre (P5)	10.8%	44	similar	4
44	Ajax Northeast (A9)	10.9%	105	HIGHER	5
45	Applecroft (A7)	11.4%	41	HIGHER	5
46	Riverside-Hermitage (A5)	11.4%	28	similar	5
47	Pickering North (P7)	11.6%	26	similar	5
48	Central Ajax (A4)	11.6%	38	HIGHER	5
49	Westney Heights (A6)	12.5%	33	HIGHER	5
50	Brock Ridge Pickering (P6)	14.0%	41	HIGHER	5

Small-for-gestational age (SGA) births (Comparison of 2010-12 and 2013-15)

What you need to know

- Decreases and lower percentages of SGA births are better for health.
- The SGA rate measures the birth weights of babies relative to their gestational age. For example, a boy born at 39 weeks weighing less than 2,942 g (6.5 lbs) would be SGA. Since most low birth weight babies are born preterm, it is important to consider how far along the pregnancy is when the baby is born.
- The SGA rate ranged by Health Neighbourhood from 3.5 to 14.0 per cent in 2010-12, and from 3.8 to 13.3 per cent in 2013-15. The difference over time ranged from -3.5 to 4.4 per cent.
- Rates were significantly higher in Ajax and Pickering in both time periods as compared to Durham Region and lower overall in 2013-15 in Scugog, Clarington and Whitby. Durham Region's rate was significantly lower than Ontario in both times. The rate did increase in Durham Region from 2010-12 to 2013-15 but remained the same in Ontario. The SGA rate did not change significantly over time in any of the municipalities or Neighbourhoods. SGA is complex and influenced by many factors in the population. More time may be required to see significant change in this indicator.

Indicator notes

- The SGA rate is the percentage of live births with birth weights below the standard 10th percentile of the sex-specific birth weight for gestational age. SGA rates include only singleton live births of male and female newborns with gestational age 22-43 weeks.
- Source: Hospital In-Patient Discharges 2010-2012, Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO.
- We combined data for three years to increase numbers and compared 2010-12 with 2013-15.
- We used reference percentile tables for Canadian babies based on Kramer, 2001. These percentile cut-offs may misclassify healthy infants of some ethnicities as SGA because newborns of parents originating from non-European or Western nations tend to be smaller at birth.
- We sorted Neighbourhoods by the SGA rate and divided Neighbourhoods into quintiles (five equal groupings) based on the total number of babies born SGA. For the time comparison, we mapped Neighbourhoods according to whether there was a significant increase, decrease or no change between the two time periods based on whether the 95% confidence intervals overlapped.
- Confidence intervals were wide for SGA rates at the Neighbourhood and municipality level because the numbers were small; there had to be large differences for rates to be statistically significant.
- For more information about SGA rates in Durham Region, see durham.ca/healthstats. For indicator definitions, see [APHEO Core Indicators](#).

Release Date: October 2017.

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

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