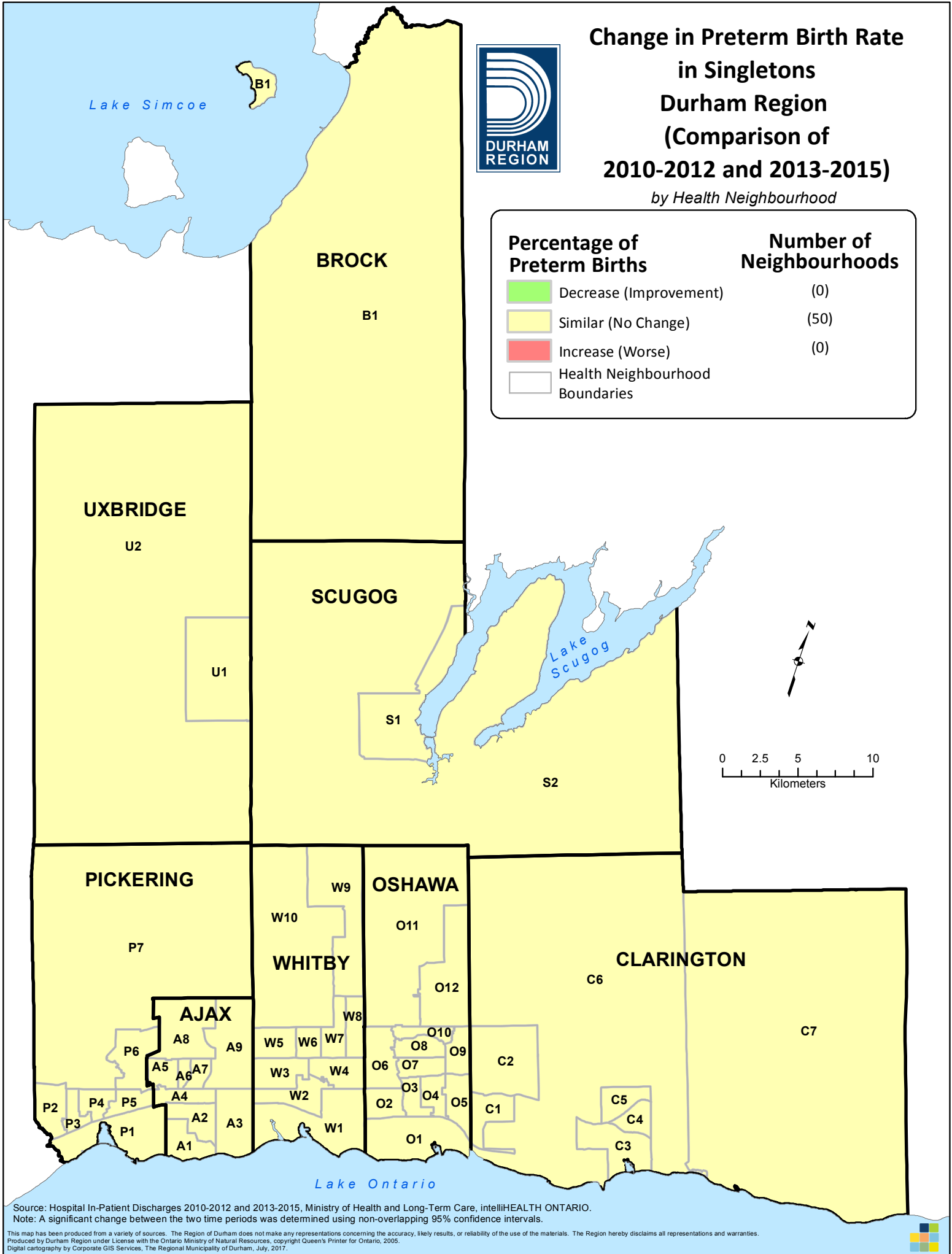


Change in Preterm Birth Rate in Singletons Durham Region (Comparison of 2010-2012 and 2013-2015)

by Health Neighbourhood



Percentage of Preterm Births		Number of Neighbourhoods
	Decrease (Improvement)	(0)
	Similar (No Change)	(50)
	Increase (Worse)	(0)
	Health Neighbourhood Boundaries	



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.

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Preterm birth rate in singletons

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

Health Neighbourhoods	2010-2012 Percentage	2013-2015 Percentage	Difference (Lower is Better)	Comparison Over Time
Amberlee (P3)	10.3%	4.7%	-5.6%	similar
Courtice North (C2)	6.7%	3.0%	-3.8%	similar
Whitby South (W1)	7.0%	4.1%	-2.9%	similar
Courtice South (C1)	7.6%	5.0%	-2.5%	similar
Dunbarton (P4)	10.6%	8.2%	-2.4%	similar
Westney Heights (A6)	7.6%	5.2%	-2.4%	similar
Ajax Northeast (A9)	9.0%	6.6%	-2.3%	similar
Grandview North (O9)	6.8%	4.6%	-2.3%	similar
Downtown Oshawa (O3)	6.6%	4.5%	-2.1%	similar
Frenchman's Bay (P1)	8.7%	6.7%	-2.0%	similar
Port Perry (S1)	6.0%	4.3%	-1.7%	similar
Beatrice North (O10)	6.9%	5.4%	-1.5%	similar
Urban Uxbridge (U1)	6.5%	5.0%	-1.5%	similar
Manning (W4)	6.5%	5.1%	-1.4%	similar
Downtown Ajax (A2)	7.0%	5.7%	-1.3%	similar
Brock Ridge Pickering (P6)	5.0%	3.8%	-1.2%	similar
Dryden East (W8)	4.8%	3.7%	-1.1%	similar
Central Park (O4)	6.7%	5.6%	-1.1%	similar
Gibb West (O2)	5.9%	5.0%	-0.9%	similar
West Rouge (P2)	5.1%	4.3%	-0.9%	similar
Applecroft (A7)	8.2%	7.3%	-0.8%	similar
Pickering North (P7)	8.0%	7.2%	-0.8%	similar
Riverside-Hermitage (A5)	7.8%	7.1%	-0.7%	similar
Rural Uxbridge (U2)	6.8%	6.3%	-0.5%	similar
Bowmanville North (C5)	7.0%	6.7%	-0.3%	similar
Ajax Northwest (A8)	7.3%	6.9%	-0.3%	similar
Darlington (C6)	3.8%	3.5%	-0.3%	similar
Hillsdale (O7)	4.6%	4.4%	-0.3%	similar
Clarke (C7)	5.3%	5.2%	-0.1%	similar
Bowmanville South (C3)	6.4%	6.4%	-0.1%	similar
Brock (B1)	6.3%	6.3%	0.0%	similar
Dryden-Anderson (W7)	4.7%	4.7%	0.0%	similar
Brooklin East (W9)	8.9%	9.2%	0.3%	similar
Central Ajax (A4)	5.7%	6.1%	0.4%	similar
Lakeview (O1)	8.5%	9.0%	0.5%	similar
Bowmanville Central (C4)	5.6%	6.2%	0.6%	similar
Downtown Whitby (W2)	8.1%	8.8%	0.7%	similar
Oshawa Northwest (O11)	7.2%	7.9%	0.7%	similar
Carruthers (A3)	7.8%	8.6%	0.9%	similar
Williamsburg (W5)	5.3%	6.3%	1.0%	similar
Cochrane South (W3)	6.3%	7.3%	1.0%	similar
Grandview South (O5)	6.2%	7.2%	1.0%	similar
Rural Scugog (S2)	5.3%	6.6%	1.2%	similar
Beatrice South (O8)	7.3%	8.5%	1.3%	similar
Brooklin West (W10)	6.7%	8.5%	1.8%	similar
Ajax Waterfront (A1)	5.8%	7.8%	2.0%	similar
Whitby Brock North (W6)	5.2%	7.2%	2.0%	similar
Oshawa Northeast (O12)	6.1%	8.3%	2.3%	similar
Pickering City Centre (P5)	4.5%	6.9%	2.4%	similar
Stevenson North (O6)	3.5%	7.4%	3.9%	similar

Preterm birth rate in singletons

Table 2: Comparison of 2010-2012 and 2013-2015

(Lower rates and decreases are better for health)

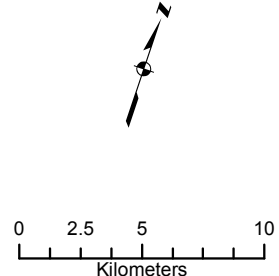
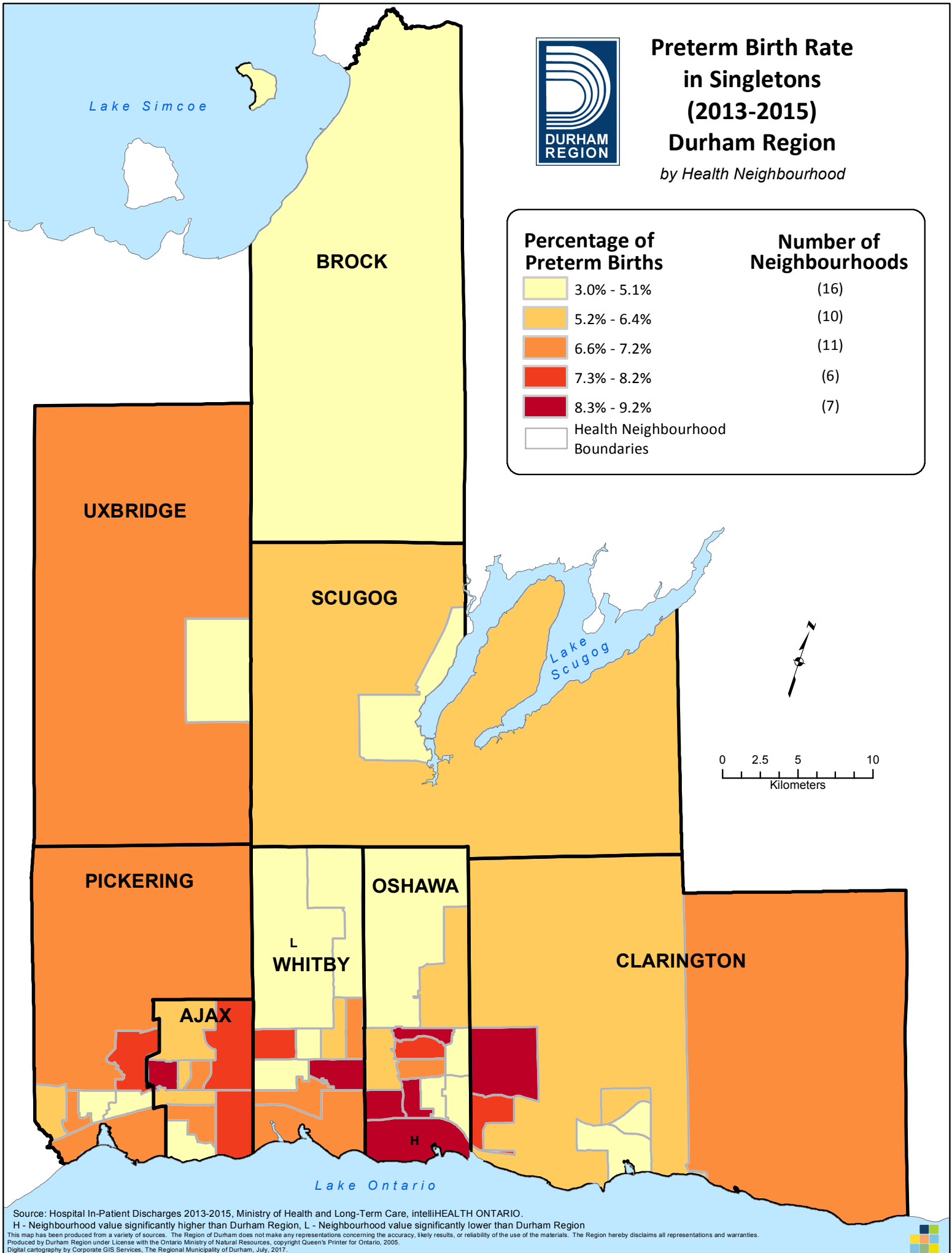
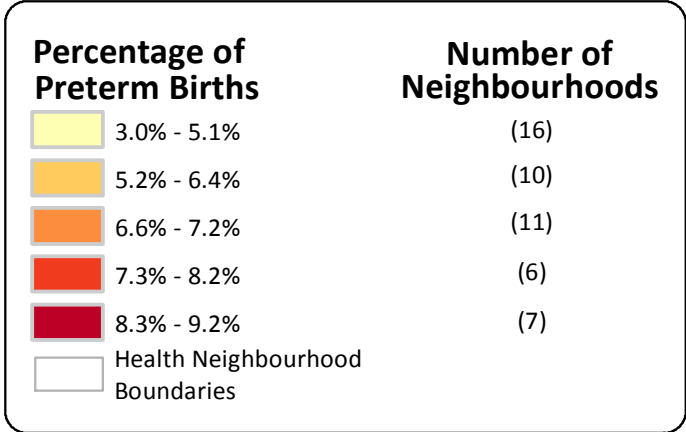
Municipality or Neighbourhood	2010-2012 Percentage	Compared with Durham Region	2010-2012 Number of Preterm Babies	2013-2015 Percentage	Compared with Durham Region	2013-2015 Number of Preterm Babies	Change over time	Comparison over time
Pickering	7.8%	similar	172	6.3%	similar	149	-2%	similar
Frenchman's Bay (P1)	8.4%	similar	31	6.7%	similar	30	-2%	similar
West Rouge (P2)	6.0%	similar	22	5.8%	similar	22	0%	similar
Amberlee (P3)	8.7%	similar	20	6.7%	similar	15	-2%	similar
Dunbarton (P4)	5.1%	similar	16	4.3%	similar	13	-1%	similar
Pickering City Centre (P5)	10.3%	HIGHER	42	4.7%	similar	17	-6%	similar
Brock Ridge Pickering (P6)	10.6%	HIGHER	31	8.2%	similar	37	-2%	similar
Pickering North (P7)	4.5%	similar	10	6.9%	similar	15	2%	similar
Ajax	7.2%	similar	285	6.7%	similar	259	-1%	similar
Ajax Waterfront (A1)	5.0%	similar	11	3.8%	similar	8	-1%	similar
Downtown Ajax (A2)	8.0%	similar	27	7.2%	similar	24	-1%	similar
Carruthers (A3)	5.8%	similar	32	7.8%	similar	40	2%	similar
Central Ajax (A4)	7.0%	similar	23	5.7%	similar	18	-1%	similar
Riverside-Hermitage (A5)	7.8%	similar	19	8.6%	similar	22	1%	similar
Westney Heights (A6)	5.7%	similar	15	6.1%	similar	15	0%	similar
Applecroft (A7)	7.8%	similar	28	7.1%	similar	27	-1%	similar
Ajax Northwest (A8)	7.6%	similar	51	5.2%	similar	30	-2%	similar
Ajax Northeast (A9)	8.2%	similar	79	7.3%	similar	75	-1%	similar
Whitby	6.3%	similar	240	6.0%	similar	218	0%	similar
Whitby South (W1)	7.3%	similar	38	6.9%	similar	35	0%	similar
Downtown Whitby (W2)	9.0%	similar	36	6.6%	similar	29	-2%	similar
Cochrane South (W3)	7.0%	similar	13	4.1%	similar	9	-3%	similar
Manning (W4)	8.1%	similar	23	8.8%	similar	29	1%	similar
Williamsburg (W5)	6.3%	similar	20	7.3%	similar	19	1%	similar
Whitby Brock North (W6)	6.5%	similar	22	5.1%	similar	15	-1%	similar
Dryden-Anderson (W7)	5.3%	similar	17	6.3%	similar	19	1%	similar
Dryden East (W8)	5.2%	similar	20	7.2%	similar	24	2%	similar
Brooklin East (W9)	4.7%	similar	24	4.7%	similar	20	0%	similar
Brooklin West (W10)	4.8%	similar	27	3.7%	LOWER	19	-1%	similar
Oshawa	6.8%	similar	332	6.6%	similar	323	0%	similar
Lakeview (O1)	8.9%	similar	63	9.2%	HIGHER	59	0%	similar
Gibb West (O2)	6.7%	similar	27	8.5%	similar	29	2%	similar
Downtown Oshawa (O3)	8.5%	similar	34	9.0%	similar	32	0%	similar
Central Park (O4)	5.9%	similar	20	5.0%	similar	17	-1%	similar
Grandview South (O5)	6.6%	similar	19	4.5%	similar	16	-2%	similar
Stevenson North (O6)	6.7%	similar	27	5.6%	similar	24	-1%	similar
Hillsdale (O7)	6.2%	similar	18	7.2%	similar	22	1%	similar
Beatrice South (O8)	3.5%	similar	10	7.4%	similar	20	4%	similar
Grandview North (O9)	4.6%	similar	21	4.4%	similar	17	0%	similar
Beatrice North (O10)	7.3%	similar	26	8.5%	similar	31	1%	similar
Oshawa Northwest (O11)	6.8%	similar	24	4.6%	similar	18	-2%	similar
Oshawa Northeast (O12)	6.9%	similar	43	5.4%	similar	38	-2%	similar
Clarington	6.8%	similar	174	6.3%	similar	178	0%	similar
Courtice South (C1)	7.2%	similar	34	7.9%	similar	46	1%	similar
Courtice North (C2)	6.1%	similar	15	8.3%	similar	21	2%	similar
Bowmanville South (C3)	7.6%	similar	36	5.0%	similar	25	-3%	similar
Bowmanville Central (C4)	6.7%	similar	18	3.0%	similar	8	-4%	similar
Bowmanville North (C5)	6.4%	similar	38	6.4%	similar	40	0%	similar
Darlington (C6)	5.6%	similar	9	6.2%	similar	13	1%	similar
Clarke (C7)	7.0%	similar	24	6.7%	similar	25	0%	similar
Scugog	4.7%	similar	21	4.5%	similar	20	0%	similar
Port Perry (S1)	3.8%	similar	7	3.5%	similar	6	0%	similar
Rural Scugog (S2)	5.3%	similar	14	5.2%	similar	14	0%	similar
Uxbridge	5.8%	similar	25	5.0%	similar	21	-1%	similar
Urban Uxbridge (U1)	6.0%	similar	18	4.3%	similar	13	-2%	similar
Rural Uxbridge (U2)	5.3%	similar	7	6.6%	similar	8	1%	similar
Brock - Brock (B1)	6.5%	similar	22	5.0%	similar	15	-1%	similar
Durham Region	6.8%	HIGHER	1,271	6.3%	similar	1,183	0%	similar
Range	3.5% to 10.6%	--	7 - 79	3.0% to 9.2%	--	6 - 75	-6% to 4%	--
Ontario	6.3%	--	25,392	6.3%	--	24,751	0%	similar

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



Preterm Birth Rate in Singletons (2013-2015) Durham Region

by Health Neighbourhood



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.
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Preterm birth rate in singletons (2013-2015)

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

Order	Neighbourhood	Percentage	Number of Singleton Preterm Babies	Compared with Durham Region (Lower is Better)	Quintile
1	Bowmanville Central (C4)	3.0%	8	similar	1
2	Port Perry (S1)	3.5%	6	similar	1
3	Brooklin West (W10)	3.7%	19	LOWER	1
4	Ajax Waterfront (A1)	3.8%	8	similar	1
5	Cochrane South (W3)	4.1%	9	similar	1
6	Dunbarton (P4)	4.3%	13	similar	1
7	Urban Uxbridge (U1)	4.3%	13	similar	1
8	Grandview North (O9)	4.4%	17	similar	1
9	Grandview South (O5)	4.5%	16	similar	1
10	Oshawa Northwest (O11)	4.6%	18	similar	1
11	Brooklin East (W9)	4.7%	20	similar	1
12	Pickering City Centre (P5)	4.7%	17	similar	1
13	Brock (B1)	5.0%	15	similar	1
14	Central Park (O4)	5.0%	17	similar	1
15	Bowmanville South (C3)	5.0%	25	similar	1
16	Whitby Brock North (W6)	5.1%	15	similar	1
17	Ajax Northwest (A8)	5.2%	30	similar	2
18	Rural Scugog (S2)	5.2%	14	similar	2
19	Oshawa Northeast (O12)	5.4%	38	similar	2
20	Stevenson North (O6)	5.6%	24	similar	2
21	Central Ajax (A4)	5.7%	18	similar	2
22	West Rouge (P2)	5.8%	22	similar	2
23	Westney Heights (A6)	6.1%	15	similar	2
24	Darlington (C6)	6.2%	13	similar	2
25	Dryden-Anderson (W7)	6.3%	19	similar	2
26	Bowmanville North (C5)	6.4%	40	similar	2
27	Rural Uxbridge (U2)	6.6%	8	similar	3
28	Downtown Whitby (W2)	6.6%	29	similar	3
29	Amberlee (P3)	6.7%	15	similar	3
30	Clarke (C7)	6.7%	25	similar	3
31	Frenchman's Bay (P1)	6.7%	30	similar	3
32	Pickering North (P7)	6.9%	15	similar	3
33	Whitby South (W1)	6.9%	35	similar	3
34	Applecroft (A7)	7.1%	27	similar	3
35	Dryden East (W8)	7.2%	24	similar	3
36	Hillsdale (O7)	7.2%	22	similar	3
37	Downtown Ajax (A2)	7.2%	24	similar	3
38	Williamsburg (W5)	7.3%	19	similar	4
39	Ajax Northeast (A9)	7.3%	75	similar	4
40	Beatrice South (O8)	7.4%	20	similar	4
41	Carruthers (A3)	7.8%	40	similar	4
42	Courtice South (C1)	7.9%	46	similar	4
43	Brock Ridge Pickering (P6)	8.2%	37	similar	4
44	Courtice North (C2)	8.3%	21	similar	5
45	Gibb West (O2)	8.5%	29	similar	5
46	Beatrice North (O10)	8.5%	31	similar	5
47	Riverside-Hermitage (A5)	8.6%	22	similar	5
48	Manning (W4)	8.8%	29	similar	5
49	Downtown Oshawa (O3)	9.0%	32	similar	5
50	Lakeview (O1)	9.2%	59	HIGHER	5



Preterm Birth Rate in Singletons (2010 - 2012) Durham Region

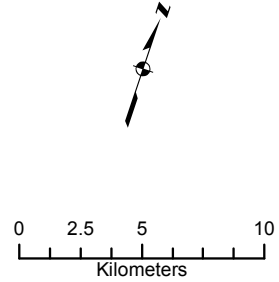
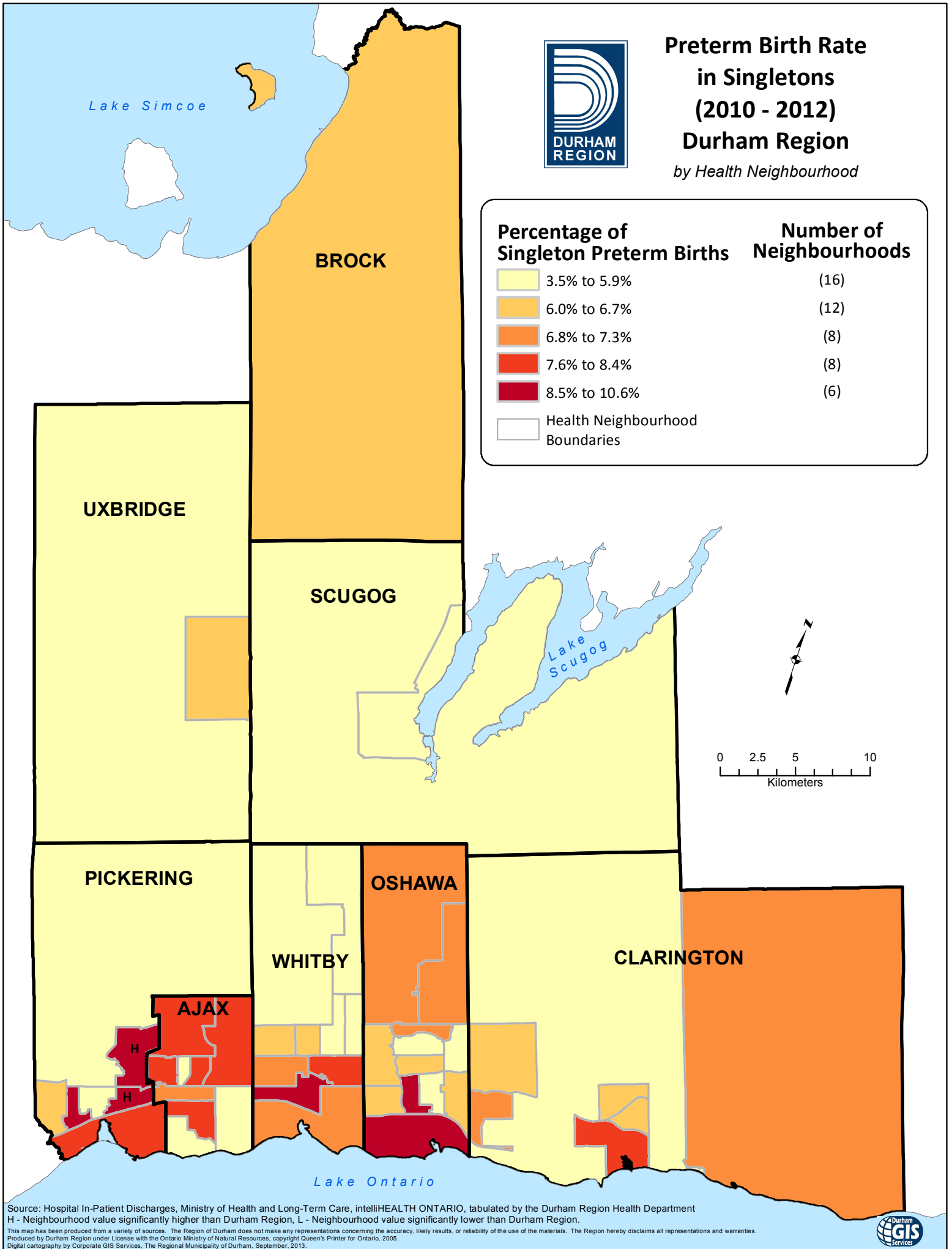
by Health Neighbourhood

**Percentage of
Singleton Preterm Births**

**Number of
Neighbourhoods**

	3.5% to 5.9%	(16)
	6.0% to 6.7%	(12)
	6.8% to 7.3%	(8)
	7.6% to 8.4%	(8)
	8.5% to 10.6%	(6)

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.

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Preterm birth rate in singletons (2010-2012)

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

Order	Neighbourhood	Percentage	Number of Singleton Preterm Babies	Compared with Durham Region (Lower is Better)	Quintile
1	Beatrice South (O8)	3.5%	10	similar	1
2	Port Perry (S1)	3.8%	7	similar	1
3	Pickering North (P7)	4.5%	10	similar	1
4	Grandview North (O9)	4.6%	21	similar	1
5	Brooklin East (W9)	4.7%	24	similar	1
6	Brooklin West (W10)	4.8%	27	similar	1
7	Ajax Waterfront (A1)	5.0%	11	similar	1
8	Dunbarton (P4)	5.1%	16	similar	1
9	Dryden East (W8)	5.2%	20	similar	1
10	Rural Scugog (S2)	5.3%	14	similar	1
11	Rural Uxbridge (U2)	5.3%	7	similar	1
12	Dryden-Anderson (W7)	5.3%	17	similar	1
13	Darlington (C6)	5.6%	9	similar	1
14	Westney Heights (A6)	5.7%	15	similar	1
15	Carruthers (A3)	5.8%	32	similar	1
16	Central Park (O4)	5.9%	20	similar	1
17	Urban Uxbridge (U1)	6.0%	18	similar	2
18	West Rouge (P2)	6.0%	22	similar	2
19	Courtice North (C2)	6.1%	15	similar	2
20	Hillsdale (O7)	6.2%	18	similar	2
21	Williamsburg (W5)	6.3%	20	similar	2
22	Bowmanville North (C5)	6.4%	38	similar	2
23	Whitby Brock North (W6)	6.5%	22	similar	2
24	Brock (B1)	6.5%	22	similar	2
25	Grandview South (O5)	6.6%	19	similar	2
26	Gibb West (O2)	6.7%	27	similar	2
27	Stevenson North (O6)	6.7%	27	similar	2
28	Bowmanville Central (C4)	6.7%	18	similar	2
29	Oshawa Northwest (O11)	6.8%	24	similar	3
30	Oshawa Northeast (O12)	6.9%	43	similar	3
31	Cochrane South (W3)	7.0%	13	similar	3
32	Central Ajax (A4)	7.0%	23	similar	3
33	Clarke (C7)	7.0%	24	similar	3
34	Courtice South (C1)	7.2%	34	similar	3
35	Whitby South (W1)	7.3%	38	similar	3
36	Beatrice North (O10)	7.3%	26	similar	3
37	Bowmanville South (C3)	7.6%	36	similar	4
38	Ajax Northwest (A8)	7.6%	51	similar	4
39	Riverside-Hermitage (A5)	7.8%	19	similar	4
40	Applecroft (A7)	7.8%	28	similar	4
41	Downtown Ajax (A2)	8.0%	27	similar	4
42	Manning (W4)	8.1%	23	similar	4
43	Ajax Northeast (A9)	8.2%	79	similar	4
44	Frenchman's Bay (P1)	8.4%	31	similar	4
45	Downtown Oshawa (O3)	8.5%	34	similar	5
46	Amberlee (P3)	8.7%	20	similar	5
47	Lakeview (O1)	8.9%	63	similar	5
48	Downtown Whitby (W2)	9.0%	36	similar	5
49	Pickering City Centre (P5)	10.3%	42	HIGHER	5
50	Brock Ridge Pickering (P6)	10.6%	31	HIGHER	5

Preterm births in singleton babies (Comparison of 2010-12 and 2013-15)

What you need to know

- Decreases and lower percentages of preterm births are better for health.
- The rate ranged by Health Neighbourhood from 3.5 to 10.6 per cent in 2010-12, and from 3.0 to 9.2 per cent in 2013-15. The difference over time ranged from -5.6 to 3.9 per cent.
- Preterm birth is a leading cause of infant death in Canada. Prematurity can be caused by obstetrical complications, the mother's health condition (e.g. diabetes, hypertension), or the mother's behaviours during pregnancy (e.g. smoking).
- Although preterm birth rates were higher in some Pickering Neighbourhoods in 2010-12, rates decreased and they were all similar to Durham Region in 2013-15. In particular, Pickering City Centre's rate dropped from 10.3 per cent to 4.7 per cent; however, this decline was not quite statistically significant. Lakeview in Oshawa was the only Neighbourhood with a high preterm birth rate in 2013-15. Durham Region's rate was significantly higher than Ontario in 2010-12 but similar in 2013-15. The preterm birth rate did not change significantly in Ontario, Durham Region, or any of the municipalities or Neighbourhoods between the two time periods. Preterm birth 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 preterm birth rate in singletons is the percentage of singleton (non-multiple) live births delivered in hospital before 37 completed weeks of gestation.
- 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 excluded multiple births because they are at high risk of prematurity and have different risk factors than preterm singleton births. A focus on singletons ensures that a chance occurrence of preterm twins in a Neighbourhood with few births will not inflate the rate in that Neighbourhood. We excluded a small number of births because gestation or postal code was unknown. We used postal code to determine Neighbourhood.
- We sorted Neighbourhoods by the preterm birth rate and divided Neighbourhoods into quintiles (five equal groupings) based on the total number of babies born preterm. 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 preterm birth 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 preterm birth 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.