



Change in EDI - Vulnerable in Communication and General Knowledge in Durham Region (Comparison of 2012 and 2015)

by Health Neighbourhood

Change in Percentage of Vulnerable SK Children

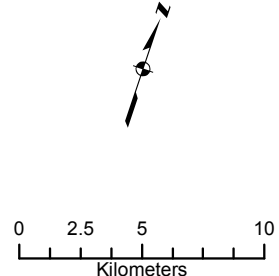
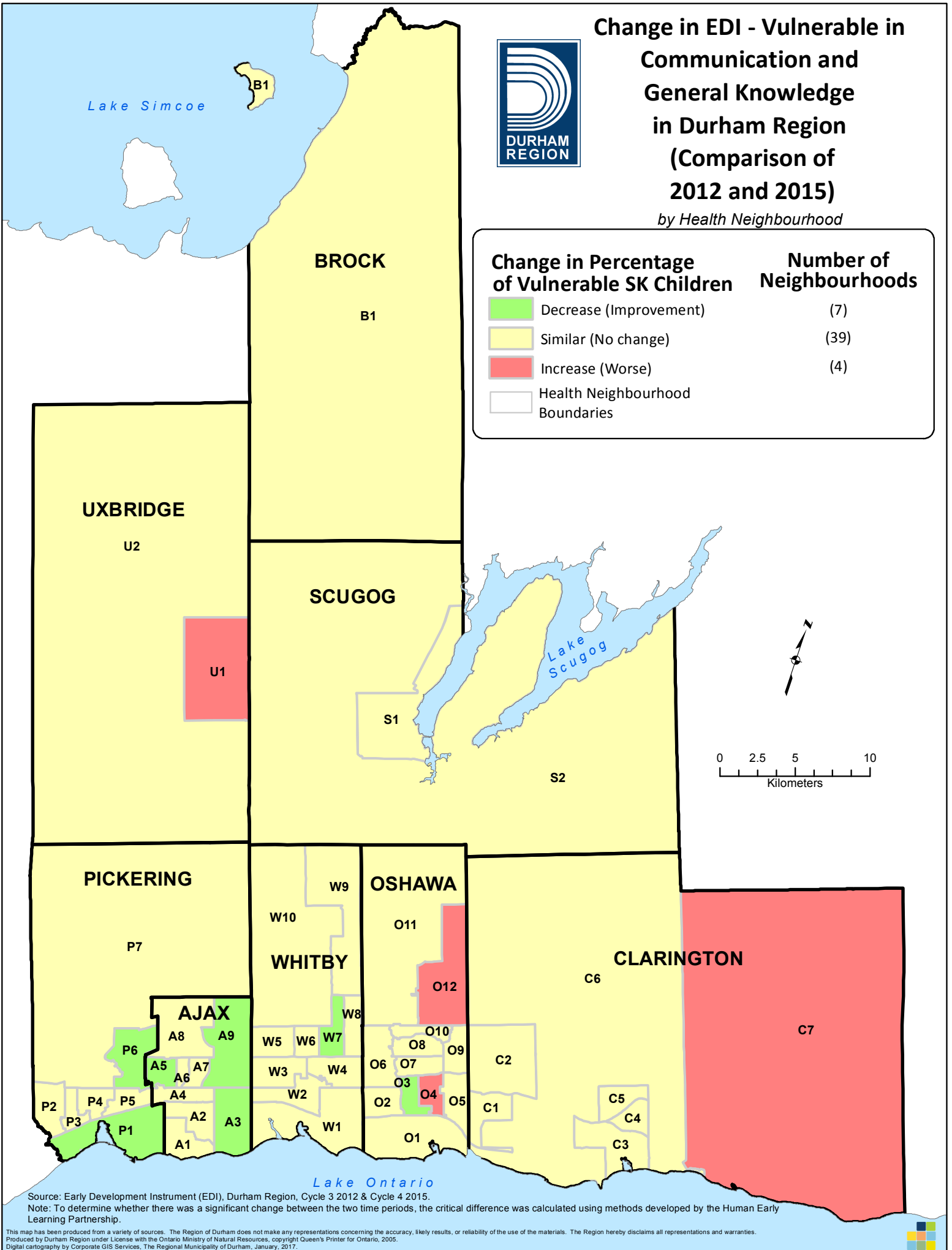
Number of Neighbourhoods

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

(7)

(39)

(4)



Source: Early Development Instrument (EDI), Durham Region, Cycle 3 2012 & Cycle 4 2015.
 Note: To determine whether there was a significant change between the two time periods, the critical difference was calculated using methods developed by the Human Early Learning Partnership.

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EDI - Senior kindergarten (SK) children vulnerable in communication skills and general knowledge

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

Health Neighbourhoods	2012 Percentage	2015 Percentage	Difference (Lower is Better)	Comparison Over Time
Brock Ridge Pickering (P6)	21.6%	8.1%	-14%	DECREASE
Frenchman's Bay (P1)	15.9%	5.4%	-10%	DECREASE
Downtown Oshawa (O3)	24.7%	14.6%	-10%	DECREASE
Riverside-Hermitage (A5)	17.9%	7.8%	-10%	DECREASE
Carruthers (A3)	12.2%	5.7%	-7%	DECREASE
Dryden-Anderson (W7)	11.7%	5.9%	-6%	DECREASE
Ajax Northeast (A9)	15.2%	10.0%	-5%	DECREASE
Downtown Ajax (A2)	16.0%	11.7%	-4%	no change
Beatrice North (O10)	13.2%	8.8%	-4%	no change
Dryden East (W8)	7.6%	3.8%	-4%	no change
Grandview North (O9)	11.4%	7.8%	-4%	no change
Central Ajax (A4)	12.4%	8.9%	-3%	no change
Pickering North (P7)	13.3%	9.9%	-3%	no change
Pickering City Centre (P5)	14.4%	11.2%	-3%	no change
Oshawa Northwest (O11)	12.4%	9.2%	-3%	no change
West Rouge (P2)	10.2%	8.0%	-2%	no change
Rural Uxbridge (U2)	9.3%	7.3%	-2%	no change
Ajax Waterfront (A1)	7.8%	6.3%	-1%	no change
Manning (W4)	6.7%	5.3%	-1%	no change
Courtice South (C1)	9.8%	8.7%	-1%	no change
Whitby Brock North (W6)	12.5%	11.4%	-1%	no change
Brooklin West (W10)	6.2%	5.1%	-1%	no change
Brooklin East (W9)	5.9%	4.8%	-1%	no change
Amberlee (P3)	6.3%	5.6%	-1%	no change
Williamsburg (W5)	8.7%	7.9%	-1%	no change
Ajax Northwest (A8)	11.8%	11.1%	-1%	no change
Dunbarton (P4)	10.0%	9.4%	-1%	no change
Grandview South (O5)	8.4%	8.2%	0%	no change
Courtice North (C2)	9.1%	9.1%	0%	no change
Lakeview (O1)	16.1%	16.2%	0%	no change
Brock (B1)	8.2%	8.4%	0%	no change
Rural Scugog (S2)	10.6%	10.9%	0%	no change
Cochrane South (W3)	8.2%	9.5%	1%	no change
Bowmanville North (C5)	4.5%	5.9%	1%	no change
Downtown Whitby (W2)	10.2%	11.7%	2%	no change
Bowmanville South (C3)	9.6%	11.4%	2%	no change
Stevenson North (O6)	6.5%	8.7%	2%	no change
Whitby South (W1)	8.4%	10.6%	2%	no change
Bowmanville Central (C4)	4.2%	6.8%	3%	no change
Darlington (C6)	5.3%	8.3%	3%	no change
Beatrice South (O8)	7.0%	10.1%	3%	no change
Gibb West (O2)	10.5%	14.4%	4%	no change
Hillsdale (O7)	4.3%	8.3%	4%	no change
Port Perry (S1)	6.8%	10.9%	4%	no change
Applecroft (A7)	7.0%	11.4%	4%	no change
Westney Heights (A6)	11.6%	16.9%	5%	no change
Oshawa Northeast (O12)	6.8%	10.6%	4%	INCREASE
Clarke (C7)	4.8%	9.6%	5%	INCREASE
Urban Uxbridge (U1)	3.6%	9.7%	6%	INCREASE
Central Park (O4)	5.4%	12.9%	8%	INCREASE

EDI - Senior kindergarten (SK) children vulnerable in communication skills and general knowledge

Table 2: Comparison of 2012 and 2015

(Lower rates and decreases are better for health)

Municipality or Neighbourhood	2012 Percentage	Compared with Durham Region	2012 Number of Vulnerable Children	2015 Percentage	Compared with Durham Region	2015 Number of Vulnerable Children	Change over time	Comparison over time
Pickering	13.3%	HIGHER	101	8.2%	similar	66	-5%	DECREASE
Frenchman's Bay (P1)	15.9%	HIGHER	20	5.4%	LOWER	7	-10%	DECREASE
West Rouge (P2)	10.2%	similar	13	8.0%	similar	8	-2%	no change
Amberlee (P3)	6.3%	LOWER	5	5.6%	LOWER	5	-1%	no change
Dunbarton (P4)	10.0%	similar	12	9.4%	similar	13	-1%	no change
Pickering City Centre (P5)	14.4%	HIGHER	18	11.2%	similar	14	-3%	no change
Brock Ridge Pickering (P6)	21.6%	HIGHER	22	8.1%	similar	12	-14%	DECREASE
Pickering North (P7)	13.3%	similar	11	9.9%	similar	7	-3%	no change
Ajax	12.6%	HIGHER	163	9.7%	similar	135	-3%	DECREASE
Ajax Waterfront (A1)	7.8%	similar	7	6.3%	similar	5	-1%	no change
Downtown Ajax (A2)	16.0%	HIGHER	17	11.7%	similar	12	-4%	no change
Carruthers (A3)	12.2%	similar	23	5.7%	LOWER	12	-7%	DECREASE
Central Ajax (A4)	12.4%	similar	11	8.9%	similar	9	-3%	no change
Riverside-Hermitage (A5)	17.9%	HIGHER	17	7.8%	similar	8	-10%	DECREASE
Westney Heights (A6)	11.6%	similar	10	16.9%	HIGHER	14	5%	no change
Applecroft (A7)	7.0%	LOWER	10	11.4%	similar	15	4%	no change
Ajax Northwest (A8)	11.8%	similar	27	11.1%	similar	23	-1%	no change
Ajax Northeast (A9)	15.2%	HIGHER	41	10.0%	similar	37	-5%	DECREASE
Whitby	8.2%	LOWER	122	7.3%	LOWER	116	-1%	no change
Whitby South (W1)	8.4%	similar	14	10.6%	similar	20	2%	no change
Downtown Whitby (W2)	10.2%	similar	13	11.7%	similar	15	2%	no change
Cochrane South (W3)	8.2%	similar	6	9.5%	similar	9	1%	no change
Manning (W4)	6.7%	LOWER	7	5.3%	LOWER	7	-1%	no change
Williamsburg (W5)	8.7%	similar	13	7.9%	similar	12	-1%	no change
Whitby Brock North (W6)	12.5%	similar	16	11.4%	similar	15	-1%	no change
Dryden-Anderson (W7)	11.7%	similar	13	5.9%	LOWER	7	-6%	DECREASE
Dryden East (W8)	7.6%	similar	10	3.8%	LOWER	5	-4%	no change
Brooklin East (W9)	5.9%	LOWER	16	4.8%	LOWER	12	-1%	no change
Brooklin West (W10)	6.2%	LOWER	14	5.1%	LOWER	14	-1%	no change
Oshawa	10.5%	similar	147	10.9%	HIGHER	174	0%	no change
Lakeview (O1)	16.1%	HIGHER	31	16.2%	HIGHER	31	0%	no change
Gibb West (O2)	10.5%	similar	10	14.4%	HIGHER	15	4%	no change
Downtown Oshawa (O3)	24.7%	HIGHER	19	14.6%	HIGHER	13	-10%	DECREASE
Central Park (O4)	5.4%	LOWER	4	12.9%	HIGHER	11	8%	INCREASE
Grandview South (O5)	8.4%	similar	7	8.2%	similar	8	0%	no change
Stevenson North (O6)	6.5%	LOWER	7	8.7%	similar	11	2%	no change
Hillsdale (O7)	4.3%	LOWER	4	8.3%	similar	8	4%	no change
Beatrice South (O8)	7.0%	similar	6	10.1%	similar	9	3%	no change
Grandview North (O9)	11.4%	similar	14	7.8%	similar	12	-4%	no change
Beatrice North (O10)	13.2%	HIGHER	15	8.8%	similar	10	-4%	no change
Oshawa Northwest (O11)	12.4%	similar	13	9.2%	similar	13	-3%	no change
Oshawa Northeast (O12)	6.8%	LOWER	17	10.6%	similar	33	4%	INCREASE
Clarington	7.0%	LOWER	65	8.5%	similar	88	1%	no change
Courtice South (C1)	9.8%	similar	19	8.7%	similar	16	-1%	no change
Courtice North (C2)	9.1%	similar	8	9.1%	similar	9	0%	no change
Bowmanville South (C3)	9.6%	similar	16	11.4%	similar	20	2%	no change
Bowmanville Central (C4)	4.2%	LOWER	4	6.8%	similar	7	3%	no change
Bowmanville North (C5)	4.5%	LOWER	8	5.9%	LOWER	13	1%	no change
Darlington (C6)	5.3%	LOWER	3	8.3%	similar	7	3%	no change
Clarke (C7)	4.8%	LOWER	7	9.6%	similar	16	5%	INCREASE
Scugog	9.0%	similar	16	10.9%	similar	17	2%	no change
Port Perry (S1)	6.8%	similar	5	10.9%	similar	7	4%	no change
Rural Scugog (S2)	10.6%	similar	11	10.9%	similar	10	0%	no change
Uxbridge	5.2%	LOWER	10	8.9%	similar	15	4%	no change
Urban Uxbridge (U1)	3.6%	LOWER	5	9.7%	similar	11	6%	INCREASE
Rural Uxbridge (U2)	9.3%	similar	5	7.3%	similar	4	-2%	no change
Brock - Brock (B1)	8.2%	similar	8	8.4%	similar	10	0%	no change
Durham Region	10.0%	Lower than ON	632	9.0%	Lower than ON	621	-1%	DECREASE
Range	3.6% to 24.7%	--	3 - 41	3.8% to 16.9%	--	4 - 37	-14% to 8%	--
Ontario	11.5%	--	13,764	10.2%	--	12,820	-1%	DECREASE

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



EDI - Vulnerable in Communication Skills and General Knowledge (2015)

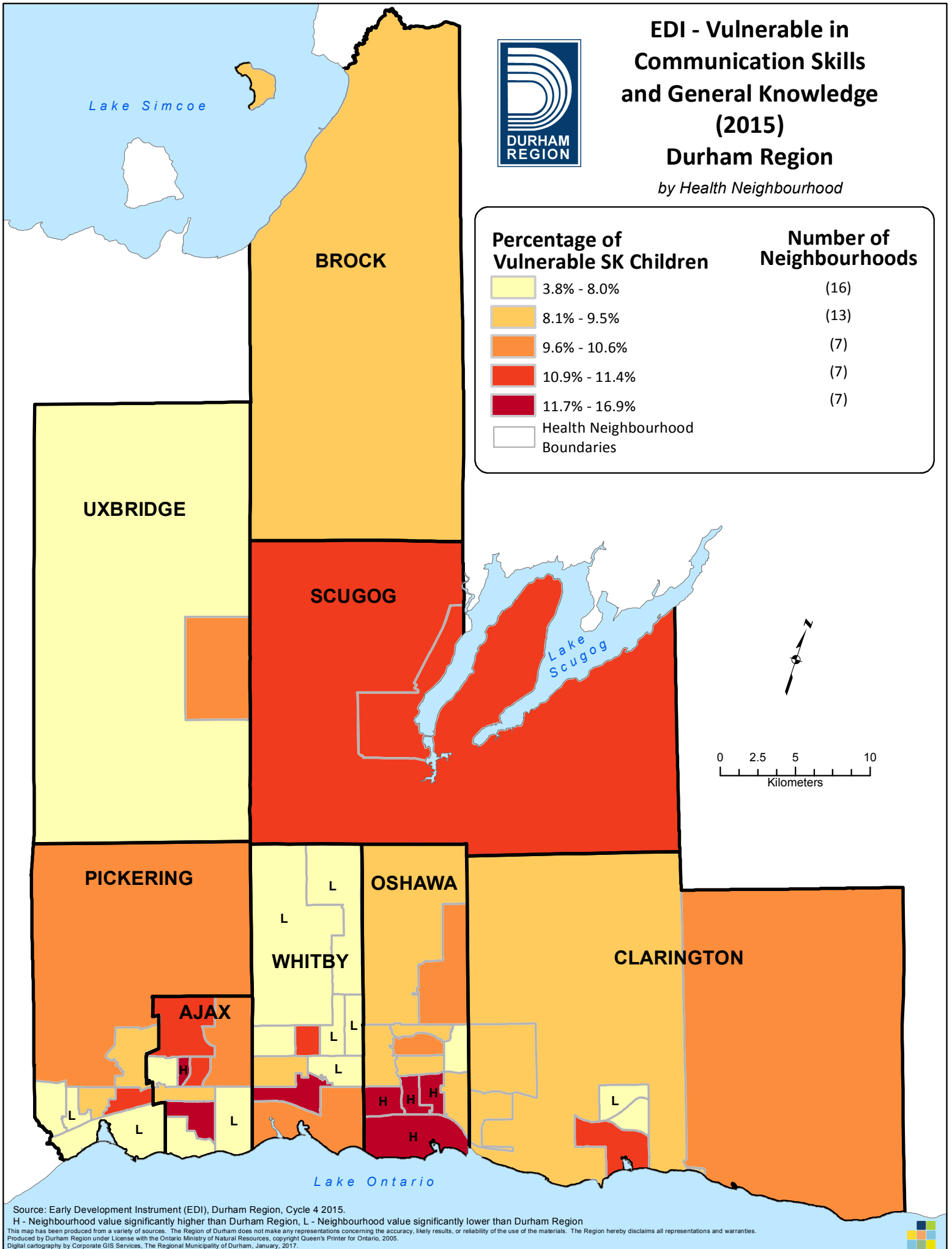
Durham Region

by Health Neighbourhood

Percentage of Vulnerable SK Children

Number of Neighbourhoods

	3.8% - 8.0%	(16)
	8.1% - 9.5%	(13)
	9.6% - 10.6%	(7)
	10.9% - 11.4%	(7)
	11.7% - 16.9%	(7)
	Health Neighbourhood Boundaries	



Source: Early Development Instrument (EDI), Durham Region, Cycle 4 2015.

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

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EDI - Senior kindergarten (SK) children vulnerable in communication skills and general knowledge (2015)

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

Order	Neighbourhood	Percentage of Vulnerable Children	Number of Vulnerable Children	Number of SK Children Assessed	Compared with Durham Region (Lower is Better)	Quintile
1	Dryden East (W8)	3.8%	5	131	LOWER	1
2	Brooklin East (W9)	4.8%	12	248	LOWER	1
3	Brooklin West (W10)	5.1%	14	276	LOWER	1
4	Manning (W4)	5.3%	7	133	LOWER	1
5	Frenchman's Bay (P1)	5.4%	7	130	LOWER	1
6	Amberlee (P3)	5.6%	5	90	LOWER	1
7	Carruthers (A3)	5.7%	12	212	LOWER	1
8	Bowmanville North (C5)	5.9%	13	221	LOWER	1
9	Dryden-Anderson (W7)	5.9%	7	118	LOWER	1
10	Ajax Waterfront (A1)	6.3%	5	79	similar	1
11	Bowmanville Central (C4)	6.8%	7	103	similar	1
12	Rural Uxbridge (U2)	7.3%	4	55	similar	1
13	Grandview North (O9)	7.8%	12	154	similar	1
14	Riverside-Hermitage (A5)	7.8%	8	102	similar	1
15	Williamsburg (W5)	7.9%	12	151	similar	1
16	West Rouge (P2)	8.0%	8	100	similar	1
17	Brock Ridge Pickering (P6)	8.1%	12	149	similar	2
18	Grandview South (O5)	8.2%	8	97	similar	2
19	Hillsdale (O7)	8.3%	8	96	similar	2
20	Darlington (C6)	8.3%	7	84	similar	2
21	Brock (B1)	8.4%	10	119	similar	2
22	Courtice South (C1)	8.7%	16	184	similar	2
23	Stevenson North (O6)	8.7%	11	126	similar	2
24	Beatrice North (O10)	8.8%	10	113	similar	2
25	Central Ajax (A4)	8.9%	9	101	similar	2
26	Courtice North (C2)	9.1%	9	99	similar	2
27	Oshawa Northwest (O11)	9.2%	13	141	similar	2
28	Dunbarton (P4)	9.4%	13	138	similar	2
29	Cochrane South (W3)	9.5%	9	95	similar	2
30	Clarke (C7)	9.6%	16	166	similar	3
31	Urban Uxbridge (U1)	9.7%	11	113	similar	3
32	Pickering North (P7)	9.9%	7	71	similar	3
33	Ajax Northeast (A9)	10.0%	37	369	similar	3
34	Beatrice South (O8)	10.1%	9	89	similar	3
35	Oshawa Northeast (O12)	10.6%	33	311	similar	3
36	Whitby South (W1)	10.6%	20	188	similar	3
37	Rural Scugog (S2)	10.9%	10	92	similar	4
38	Port Perry (S1)	10.9%	7	64	similar	4
39	Ajax Northwest (A8)	11.1%	23	207	similar	4
40	Pickering City Centre (P5)	11.2%	14	125	similar	4
41	Applecroft (A7)	11.4%	15	132	similar	4
42	Whitby Brock North (W6)	11.4%	15	132	similar	4
43	Bowmanville South (C3)	11.4%	20	176	similar	4
44	Downtown Ajax (A2)	11.7%	12	103	similar	5
45	Downtown Whitby (W2)	11.7%	15	128	similar	5
46	Central Park (O4)	12.9%	11	85	HIGHER	5
47	Gibb West (O2)	14.4%	15	104	HIGHER	5
48	Downtown Oshawa (O3)	14.6%	13	89	HIGHER	5
49	Lakeview (O1)	16.2%	31	191	HIGHER	5
50	Westney Heights (A6)	16.9%	14	83	HIGHER	5



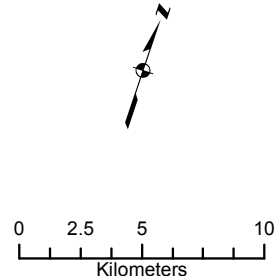
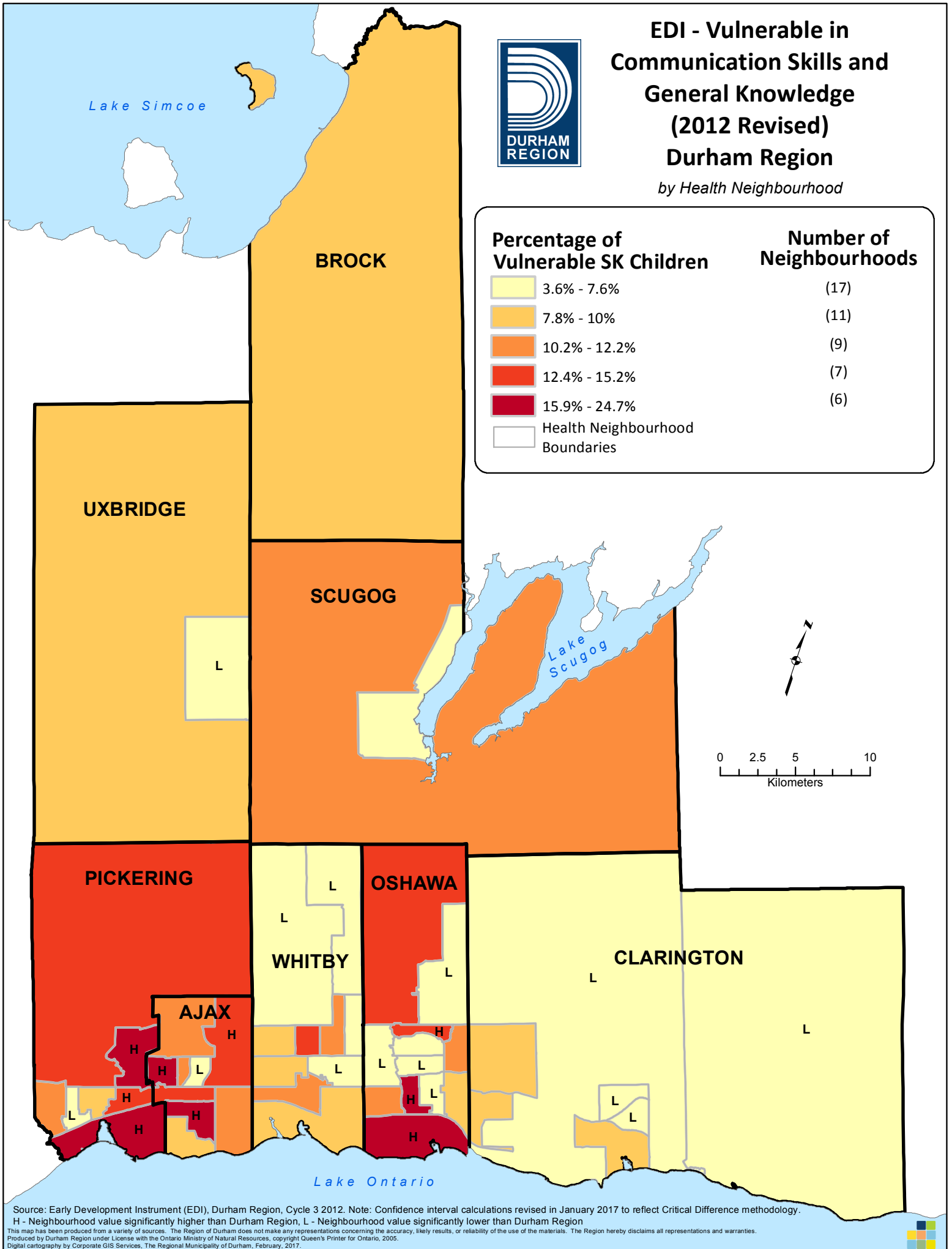
EDI - Vulnerable in Communication Skills and General Knowledge (2012 Revised) Durham Region

by Health Neighbourhood

Percentage of Vulnerable SK Children

Number of Neighbourhoods

	3.6% - 7.6%	(17)
	7.8% - 10%	(11)
	10.2% - 12.2%	(9)
	12.4% - 15.2%	(7)
	15.9% - 24.7%	(6)
	Health Neighbourhood Boundaries	



Source: Early Development Instrument (EDI), Durham Region, Cycle 3 2012. Note: Confidence interval calculations revised in January 2017 to reflect Critical Difference methodology.

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

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EDI - Senior kindergarten (SK) children vulnerable in communication skills and general knowledge (2012 revised)

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

Order	Neighbourhood	Percentage of Vulnerable Children	Number of Vulnerable Children	Number of SK Children Assessed	Compared with Durham Region (Lower is Better)	Quintile
1	Urban Uxbridge (U1)	3.6%	5	140	LOWER	1
2	Bowmanville Central (C4)	4.2%	4	96	LOWER	1
3	Hillsdale (O7)	4.3%	4	93	LOWER	1
4	Bowmanville North (C5)	4.5%	8	178	LOWER	1
5	Clarke (C7)	4.8%	7	147	LOWER	1
6	Darlington (C6)	5.3%	3	57	LOWER	1
7	Central Park (O4)	5.4%	4	74	LOWER	1
8	Brooklin East (W9)	5.9%	16	269	LOWER	1
9	Brooklin West (W10)	6.2%	14	226	LOWER	1
10	Amberlee (P3)	6.3%	5	79	LOWER	1
11	Stevenson North (O6)	6.5%	7	107	LOWER	1
12	Manning (W4)	6.7%	7	105	LOWER	1
13	Port Perry (S1)	6.8%	5	74	similar	1
14	Oshawa Northeast (O12)	6.8%	17	250	LOWER	1
15	Beatrice South (O8)	7.0%	6	86	similar	1
16	Applecroft (A7)	7.0%	10	143	LOWER	1
17	Dryden East (W8)	7.6%	10	131	similar	1
18	Ajax Waterfront (A1)	7.8%	7	90	similar	2
19	Brock (B1)	8.2%	8	98	similar	2
20	Cochrane South (W3)	8.2%	6	73	similar	2
21	Whitby South (W1)	8.4%	14	166	similar	2
22	Grandview South (O5)	8.4%	7	83	similar	2
23	Williamsburg (W5)	8.7%	13	150	similar	2
24	Courtice North (C2)	9.1%	8	88	similar	2
25	Rural Uxbridge (U2)	9.3%	5	54	similar	2
26	Bowmanville South (C3)	9.6%	16	167	similar	2
27	Courtice South (C1)	9.8%	19	193	similar	2
28	Dunbarton (P4)	10.0%	12	120	similar	2
29	Downtown Whitby (W2)	10.2%	13	128	similar	3
30	West Rouge (P2)	10.2%	13	127	similar	3
31	Gibb West (O2)	10.5%	10	95	similar	3
32	Rural Scugog (S2)	10.6%	11	104	similar	3
33	Grandview North (O9)	11.4%	14	123	similar	3
34	Westney Heights (A6)	11.6%	10	86	similar	3
35	Dryden-Anderson (W7)	11.7%	13	111	similar	3
36	Ajax Northwest (A8)	11.8%	27	229	similar	3
37	Carruthers (A3)	12.2%	23	188	similar	3
38	Central Ajax (A4)	12.4%	11	89	similar	4
39	Oshawa Northwest (O11)	12.4%	13	105	similar	4
40	Whitby Brock North (W6)	12.5%	16	128	similar	4
41	Beatrice North (O10)	13.2%	15	114	HIGHER	4
42	Pickering North (P7)	13.3%	11	83	similar	4
43	Pickering City Centre (P5)	14.4%	18	125	HIGHER	4
44	Ajax Northeast (A9)	15.2%	41	269	HIGHER	4
45	Frenchman's Bay (P1)	15.9%	20	126	HIGHER	5
46	Downtown Ajax (A2)	16.0%	17	106	HIGHER	5
47	Lakeview (O1)	16.1%	31	192	HIGHER	5
48	Riverside-Hermitage (A5)	17.9%	17	95	HIGHER	5
49	Brock Ridge Pickering (P6)	21.6%	22	102	HIGHER	5
50	Downtown Oshawa (O3)	24.7%	19	77	HIGHER	5

EDI - Senior kindergarten (SK) children vulnerable in communication skills and general knowledge (Comparison of 2012 and 2015)

What You Need to Know

- Decreases and lower percentages of vulnerable children are better for health.
- Teachers complete the Early Development Instrument (EDI) to measure whether SK children are developmentally ready to enter Grade 1 based on five core areas of early child development (domains). Positive experiences in early childhood set the foundation for children's lifelong learning, behaviour, health and well-being. Factors that often affect early childhood experiences, such as household income and parental education, are also likely to affect EDI outcomes.
- The percentage ranged by Health Neighbourhood from 3.6 to 24.7 per cent in 2012, and from 3.8 to 16.9 per cent in 2015. The difference over time ranged from -13.5 to 7.5 per cent.
- Neighbourhoods with higher percentages of vulnerable children in 2015 were in Oshawa and in Ajax (which had one high and one low Neighbourhood). Oshawa overall was higher than Durham Region while Whitby was significantly lower. Most of the Priority Neighbourhoods had poor results for this domain but Downtown Oshawa significantly improved between 2012 and 2015. Durham Region was lower than Ontario in 2012 and 2015. The percentage of vulnerable children decreased statistically in both Durham Region and Ontario; however, the increase was less than 2 per cent and not considered meaningful.

Indicator Notes

- This EDI indicator measures the percentage of SK children who scored low in the domain of communication skills and general knowledge. This domain includes skills to communicate needs and wants in socially appropriate ways, symbolic use of language, story-telling, and age appropriate knowledge about life and the world around.
- Source: Early Development Instrument (EDI), Durham Region, Cycle 3 2012 & Cycle 4 2015.
- The Offord Centre for Child Studies administered the EDI in Ontario from 2009/10 to 2011/12 (Cycle 3) and in 2014/15 (Cycle 4). Cycle 3 in Durham Region occurred in 2012. Teachers completed the EDI for all SK students, except children with special needs and those who had been in their class for less than a month. "Vulnerable" describes children who scored below the 10th percentile cut-off of the Ontario Cycle 1 baseline on any of the domains. Higher vulnerability means that a greater percentage of children are not ready for school.
- We sorted Neighbourhoods by the percentage of vulnerable children and divided Neighbourhoods into quintiles (five equal groupings) based on the number of vulnerable SK children. For the time comparison, we mapped Neighbourhoods according to whether there was a significant increase, decrease or no change between the two time points. We determined significant differences using the critical difference test. By revising the 2012 map with this method, more Neighbourhoods became statistically different from Durham Region.
- For more information about EDI results in Durham Region, see Child Care and Children's Programs at durham.ca. For information about the EDI provincially, see the [Offord Centre for Child Studies](#) and for critical difference calculations, see [Human Early Learning Partnership](#).

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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.