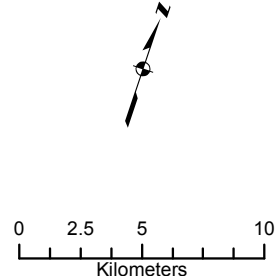
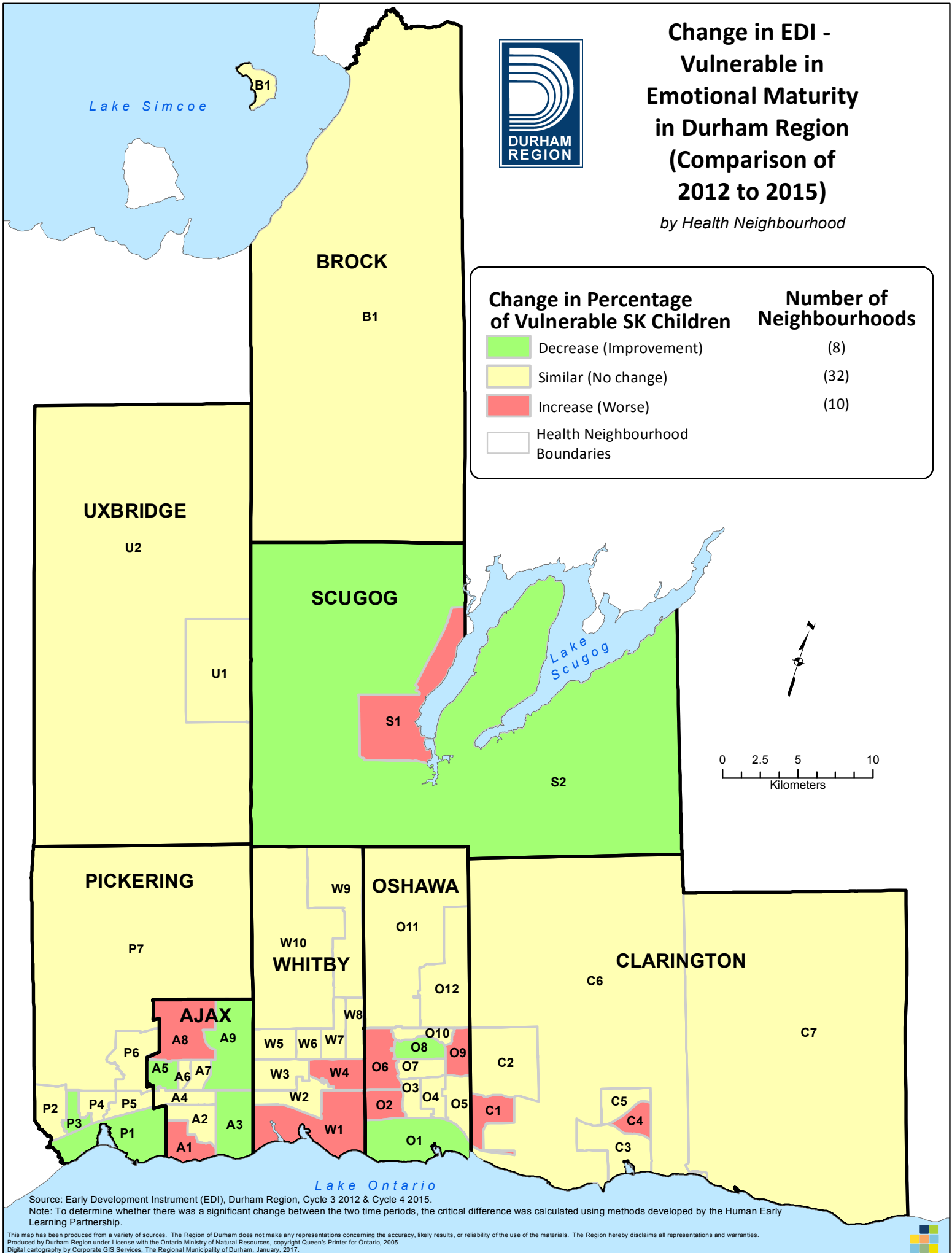




Change in EDI - Vulnerable in Emotional Maturity in Durham Region (Comparison of 2012 to 2015)

by Health Neighbourhood

Change in Percentage of Vulnerable SK Children	Number of Neighbourhoods
■ Decrease (Improvement)	(8)
■ Similar (No change)	(32)
■ Increase (Worse)	(10)
 Health Neighbourhood Boundaries	



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.

EDI - Senior kindergarten (SK) children vulnerable in emotional maturity

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
Riverside-Hermitage (A5)	16.8%	7.9%	-9%	DECREASE
Beatrice South (O8)	23.3%	14.6%	-9%	DECREASE
Frenchman's Bay (P1)	19.8%	11.5%	-8%	DECREASE
Amberlee (P3)	19.0%	12.2%	-7%	DECREASE
Rural Scugog (S2)	16.3%	10.9%	-5%	DECREASE
Lakeview (O1)	24.0%	18.8%	-5%	DECREASE
Ajax Northeast (A9)	13.0%	8.1%	-5%	DECREASE
Carruthers (A3)	14.9%	10.4%	-5%	DECREASE
Downtown Oshawa (O3)	22.1%	16.9%	-5%	no change
Whitby Brock North (W6)	11.7%	9.1%	-3%	no change
Downtown Whitby (W2)	11.7%	9.4%	-2%	no change
Dryden East (W8)	11.5%	9.2%	-2%	no change
Westney Heights (A6)	9.3%	7.2%	-2%	no change
Brock Ridge Pickering (P6)	7.8%	6.0%	-2%	no change
Cochrane South (W3)	16.4%	14.7%	-2%	no change
Pickering City Centre (P5)	8.8%	8.0%	-1%	no change
Central Ajax (A4)	14.6%	13.9%	-1%	no change
Brooklin West (W10)	11.1%	10.5%	-1%	no change
Downtown Ajax (A2)	16.0%	15.5%	-1%	no change
Bowmanville South (C3)	12.0%	11.9%	0%	no change
Pickering North (P7)	9.6%	9.9%	0%	no change
Oshawa Northeast (O12)	7.6%	8.1%	0%	no change
Hillsdale (O7)	15.1%	15.6%	1%	no change
West Rouge (P2)	6.3%	7.0%	1%	no change
Brooklin East (W9)	8.6%	9.3%	1%	no change
Clarke (C7)	11.6%	12.7%	1%	no change
Williamsburg (W5)	10.0%	11.3%	1%	no change
Bowmanville North (C5)	6.7%	8.6%	2%	no change
Urban Uxbridge (U1)	9.3%	11.5%	2%	no change
Applecroft (A7)	10.5%	12.9%	2%	no change
Dunbarton (P4)	8.3%	10.9%	3%	no change
Dryden-Anderson (W7)	8.1%	11.0%	3%	no change
Darlington (C6)	5.3%	8.3%	3%	no change
Brock (B1)	11.2%	14.5%	3%	no change
Rural Uxbridge (U2)	5.6%	9.1%	4%	no change
Beatrice North (O10)	20.2%	23.9%	4%	no change
Oshawa Northwest (O11)	10.5%	14.9%	4%	no change
Central Park (O4)	10.8%	15.5%	5%	no change
Grandview South (O5)	9.6%	14.4%	5%	no change
Courtice North (C2)	9.1%	14.1%	5%	no change
Ajax Waterfront (A1)	12.2%	17.7%	5%	INCREASE
Manning (W4)	5.7%	12.0%	6%	INCREASE
Port Perry (S1)	4.1%	10.9%	7%	INCREASE
Whitby South (W1)	4.2%	11.2%	7%	INCREASE
Ajax Northwest (A8)	10.0%	17.6%	8%	INCREASE
Courtice South (C1)	9.8%	17.4%	8%	INCREASE
Grandview North (O9)	6.5%	14.4%	8%	INCREASE
Gibb West (O2)	18.9%	28.8%	10%	INCREASE
Stevenson North (O6)	4.7%	16.8%	12%	INCREASE
Bowmanville Central (C4)	5.2%	17.5%	12%	INCREASE

EDI - Senior kindergarten (SK) children vulnerable in emotional maturity

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	11.2%	similar	85	9.2%	LOWER	74	-2%	DECREASE
Frenchman's Bay (P1)	19.8%	HIGHER	25	11.5%	similar	15	-8%	DECREASE
West Rouge (P2)	6.3%	LOWER	8	7.0%	LOWER	7	1%	no change
Amberlee (P3)	19.0%	HIGHER	15	12.2%	similar	11	-7%	DECREASE
Dunbarton (P4)	8.3%	LOWER	10	10.9%	similar	15	3%	no change
Pickering City Centre (P5)	8.8%	LOWER	11	8.0%	LOWER	10	-1%	no change
Brock Ridge Pickering (P6)	7.8%	LOWER	8	6.0%	LOWER	9	-2%	no change
Pickering North (P7)	9.6%	similar	8	9.9%	similar	7	0%	no change
Ajax	12.8%	HIGHER	166	11.8%	similar	163	-1%	no change
Ajax Waterfront (A1)	12.2%	similar	11	17.7%	HIGHER	14	5%	INCREASE
Downtown Ajax (A2)	16.0%	HIGHER	17	15.5%	HIGHER	16	-1%	no change
Carruthers (A3)	14.9%	HIGHER	28	10.4%	similar	22	-5%	DECREASE
Central Ajax (A4)	14.6%	HIGHER	13	13.9%	similar	14	-1%	no change
Riverside-Hermitage (A5)	16.8%	HIGHER	16	7.9%	LOWER	8	-9%	DECREASE
Westney Heights (A6)	9.3%	similar	8	7.2%	LOWER	6	-2%	no change
Applecroft (A7)	10.5%	similar	15	12.9%	similar	17	2%	no change
Ajax Northwest (A8)	10.0%	similar	23	17.6%	HIGHER	36	8%	INCREASE
Ajax Northeast (A9)	13.0%	similar	35	8.1%	LOWER	30	-5%	DECREASE
Whitby	9.5%	LOWER	142	10.6%	LOWER	169	1%	no change
Whitby South (W1)	4.2%	LOWER	7	11.2%	similar	21	7%	INCREASE
Downtown Whitby (W2)	11.7%	similar	15	9.4%	LOWER	12	-2%	no change
Cochrane South (W3)	16.4%	HIGHER	12	14.7%	similar	14	-2%	no change
Manning (W4)	5.7%	LOWER	6	12.0%	similar	16	6%	INCREASE
Williamsburg (W5)	10.0%	similar	15	11.3%	similar	17	1%	no change
Whitby Brock North (W6)	11.7%	similar	15	9.1%	LOWER	12	-3%	no change
Dryden-Anderson (W7)	8.1%	LOWER	9	11.0%	similar	13	3%	no change
Dryden East (W8)	11.5%	similar	15	9.2%	LOWER	12	-2%	no change
Brooklin East (W9)	8.6%	LOWER	23	9.3%	LOWER	23	1%	no change
Brooklin West (W10)	11.1%	similar	25	10.5%	similar	29	-1%	no change
Oshawa	14.1%	HIGHER	197	15.8%	HIGHER	252	2%	INCREASE
Lakeview (O1)	24.0%	HIGHER	46	18.8%	HIGHER	36	-5%	DECREASE
Gibb West (O2)	18.9%	HIGHER	18	28.8%	HIGHER	30	10%	INCREASE
Downtown Oshawa (O3)	22.1%	HIGHER	17	16.9%	HIGHER	15	-5%	no change
Central Park (O4)	10.8%	similar	8	15.5%	HIGHER	13	5%	no change
Grandview South (O5)	9.6%	similar	8	14.4%	similar	14	5%	no change
Stevenson North (O6)	4.7%	LOWER	5	16.8%	HIGHER	21	12%	INCREASE
Hillsdale (O7)	15.1%	HIGHER	14	15.6%	HIGHER	15	1%	no change
Beatrice South (O8)	23.3%	HIGHER	20	14.6%	similar	13	-9%	DECREASE
Grandview North (O9)	6.5%	LOWER	8	14.4%	similar	22	8%	INCREASE
Beatrice North (O10)	20.2%	HIGHER	23	23.9%	HIGHER	27	4%	no change
Oshawa Northwest (O11)	10.5%	similar	11	14.9%	HIGHER	21	4%	no change
Oshawa Northeast (O12)	7.6%	LOWER	19	8.1%	LOWER	25	0%	no change
Clarington	9.1%	LOWER	84	12.8%	similar	132	4%	INCREASE
Courtice South (C1)	9.8%	similar	19	17.4%	HIGHER	32	8%	INCREASE
Courtice North (C2)	9.1%	similar	8	14.1%	similar	14	5%	no change
Bowmanville South (C3)	12.0%	similar	20	11.9%	similar	21	0%	no change
Bowmanville Central (C4)	5.2%	LOWER	5	17.5%	HIGHER	18	12%	INCREASE
Bowmanville North (C5)	6.7%	LOWER	12	8.6%	LOWER	19	2%	no change
Darlington (C6)	5.3%	LOWER	3	8.3%	LOWER	7	3%	no change
Clarke (C7)	11.6%	similar	17	12.7%	similar	21	1%	no change
Scugog	11.2%	similar	20	10.9%	similar	17	0%	no change
Port Perry (S1)	4.1%	LOWER	3	10.9%	similar	7	7%	INCREASE
Rural Scugog (S2)	16.3%	HIGHER	17	10.9%	similar	10	-5%	DECREASE
Uxbridge	8.2%	LOWER	16	10.7%	similar	18	2%	no change
Urban Uxbridge (U1)	9.3%	similar	13	11.5%	similar	13	2%	no change
Rural Uxbridge (U2)	5.6%	LOWER	3	9.1%	similar	5	4%	no change
Brock - Brock (B1)	11.2%	similar	11	14.5%	similar	17	3%	no change
Durham Region	11.4%	Higher than ON	721	12.3%	Similar to ON	842	1%	INCREASE
Range	4.1% to 24.0%	--	3 - 46	6.0% to 28.8%	--	5 - 36	-9% to 12%	--
Ontario	10.1%	--	12,073	12.3%	--	15,432	2%	INCREASE

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



EDI - Vulnerable in Emotional Maturity (2015)

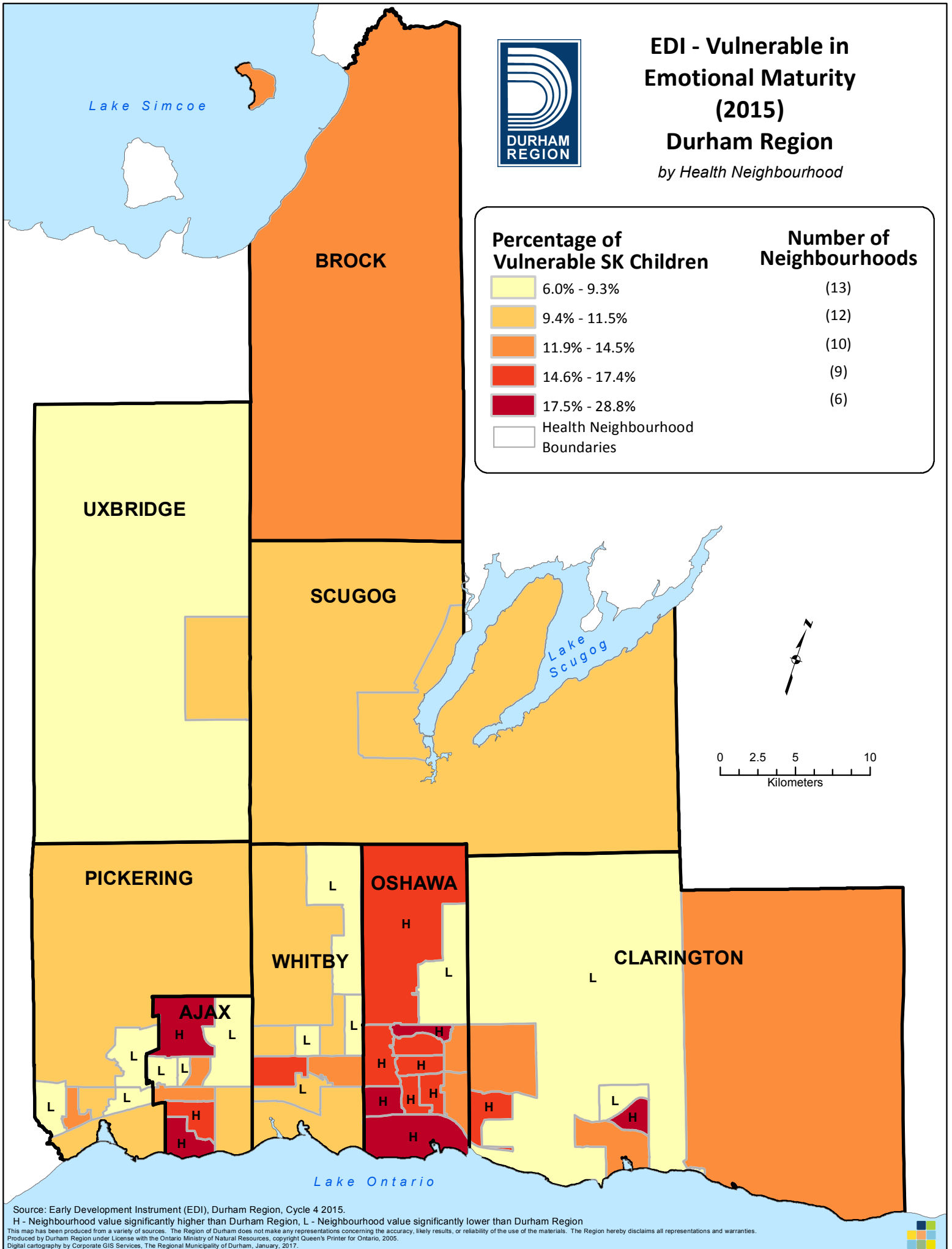
Durham Region

by Health Neighbourhood

Percentage of Vulnerable SK Children

Number of Neighbourhoods

	6.0% - 9.3%	(13)
	9.4% - 11.5%	(12)
	11.9% - 14.5%	(10)
	14.6% - 17.4%	(9)
	17.5% - 28.8%	(6)
	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 emotional maturity (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	Brock Ridge Pickering (P6)	6.0%	9	149	LOWER	1
2	West Rouge (P2)	7.0%	7	100	LOWER	1
3	Westney Heights (A6)	7.2%	6	83	LOWER	1
4	Riverside-Hermitage (A5)	7.9%	8	101	LOWER	1
5	Pickering City Centre (P5)	8.0%	10	125	LOWER	1
6	Oshawa Northeast (O12)	8.1%	25	310	LOWER	1
7	Ajax Northeast (A9)	8.1%	30	369	LOWER	1
8	Darlington (C6)	8.3%	7	84	LOWER	1
9	Bowmanville North (C5)	8.6%	19	221	LOWER	1
10	Whitby Brock North (W6)	9.1%	12	132	LOWER	1
11	Rural Uxbridge (U2)	9.1%	5	55	similar	1
12	Dryden East (W8)	9.2%	12	131	LOWER	1
13	Brooklin East (W9)	9.3%	23	247	LOWER	1
14	Downtown Whitby (W2)	9.4%	12	128	LOWER	2
15	Pickering North (P7)	9.9%	7	71	similar	2
16	Carruthers (A3)	10.4%	22	212	similar	2
17	Brooklin West (W10)	10.5%	29	276	similar	2
18	Rural Scugog (S2)	10.9%	10	92	similar	2
19	Port Perry (S1)	10.9%	7	64	similar	2
20	Dunbarton (P4)	10.9%	15	137	similar	2
21	Dryden-Anderson (W7)	11.0%	13	118	similar	2
22	Whitby South (W1)	11.2%	21	188	similar	2
23	Williamsburg (W5)	11.3%	17	151	similar	2
24	Urban Uxbridge (U1)	11.5%	13	113	similar	2
25	Frenchman's Bay (P1)	11.5%	15	130	similar	2
26	Bowmanville South (C3)	11.9%	21	176	similar	3
27	Manning (W4)	12.0%	16	133	similar	3
28	Amberlee (P3)	12.2%	11	90	similar	3
29	Clarke (C7)	12.7%	21	166	similar	3
30	Applecroft (A7)	12.9%	17	132	similar	3
31	Central Ajax (A4)	13.9%	14	101	similar	3
32	Courtice North (C2)	14.1%	14	99	similar	3
33	Grandview North (O9)	14.4%	22	153	similar	3
34	Grandview South (O5)	14.4%	14	97	similar	3
35	Brock (B1)	14.5%	17	117	similar	3
36	Beatrice South (O8)	14.6%	13	89	similar	4
37	Cochrane South (W3)	14.7%	14	95	similar	4
38	Oshawa Northwest (O11)	14.9%	21	141	HIGHER	4
39	Central Park (O4)	15.5%	13	84	HIGHER	4
40	Downtown Ajax (A2)	15.5%	16	103	HIGHER	4
41	Hillsdale (O7)	15.6%	15	96	HIGHER	4
42	Stevenson North (O6)	16.8%	21	125	HIGHER	4
43	Downtown Oshawa (O3)	16.9%	15	89	HIGHER	4
44	Courtice South (C1)	17.4%	32	184	HIGHER	4
45	Bowmanville Central (C4)	17.5%	18	103	HIGHER	5
46	Ajax Northwest (A8)	17.6%	36	205	HIGHER	5
47	Ajax Waterfront (A1)	17.7%	14	79	HIGHER	5
48	Lakeview (O1)	18.8%	36	191	HIGHER	5
49	Beatrice North (O10)	23.9%	27	113	HIGHER	5
50	Gibb West (O2)	28.8%	30	104	HIGHER	5



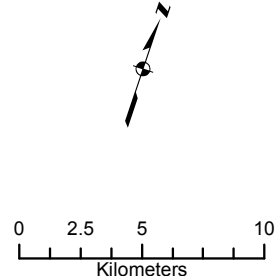
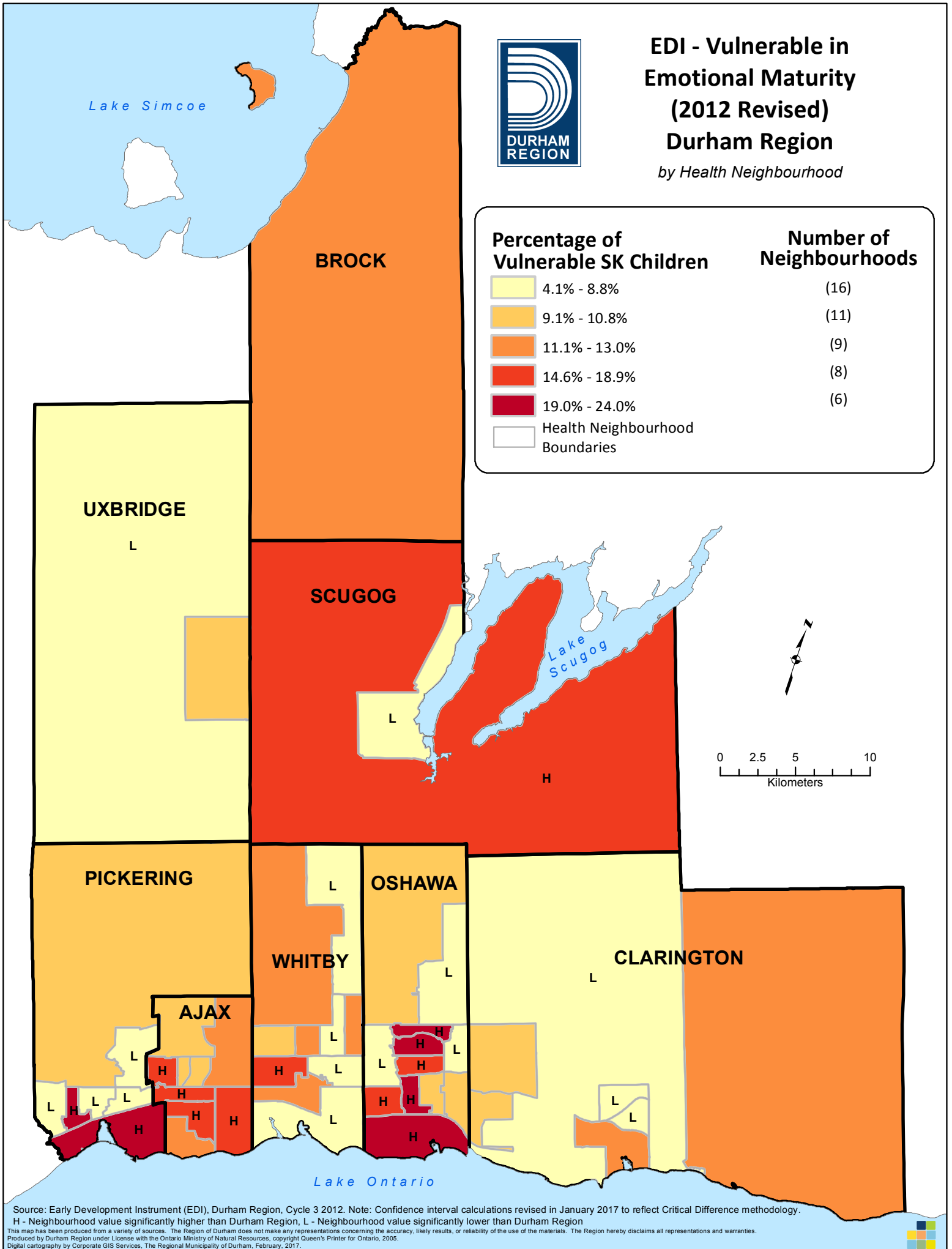
EDI - Vulnerable in Emotional Maturity (2012 Revised) Durham Region

by Health Neighbourhood

Percentage of Vulnerable SK Children

Number of Neighbourhoods

	4.1% - 8.8%	(16)
	9.1% - 10.8%	(11)
	11.1% - 13.0%	(9)
	14.6% - 18.9%	(8)
	19.0% - 24.0%	(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 emotional maturity (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	Port Perry (S1)	4.1%	3	74	LOWER	1
2	Whitby South (W1)	4.2%	7	166	LOWER	1
3	Stevenson North (O6)	4.7%	5	107	LOWER	1
4	Bowmanville Central (C4)	5.2%	5	96	LOWER	1
5	Darlington (C6)	5.3%	3	57	LOWER	1
6	Rural Uxbridge (U2)	5.6%	3	54	LOWER	1
7	Manning (W4)	5.7%	6	105	LOWER	1
8	West Rouge (P2)	6.3%	8	127	LOWER	1
9	Grandview North (O9)	6.5%	8	123	LOWER	1
10	Bowmanville North (C5)	6.7%	12	178	LOWER	1
11	Oshawa Northeast (O12)	7.6%	19	250	LOWER	1
12	Brock Ridge Pickering (P6)	7.8%	8	102	LOWER	1
13	Dryden-Anderson (W7)	8.1%	9	111	LOWER	1
14	Dunbarton (P4)	8.3%	10	120	LOWER	1
15	Brooklin East (W9)	8.6%	23	269	LOWER	1
16	Pickering City Centre (P5)	8.8%	11	125	LOWER	1
17	Courtice North (C2)	9.1%	8	88	similar	2
18	Urban Uxbridge (U1)	9.3%	13	140	similar	2
19	Westney Heights (A6)	9.3%	8	86	similar	2
20	Pickering North (P7)	9.6%	8	83	similar	2
21	Grandview South (O5)	9.6%	8	83	similar	2
22	Courtice South (C1)	9.8%	19	193	similar	2
23	Williamsburg (W5)	10.0%	15	150	similar	2
24	Ajax Northwest (A8)	10.0%	23	229	similar	2
25	Oshawa Northwest (O11)	10.5%	11	105	similar	2
26	Applecroft (A7)	10.5%	15	143	similar	2
27	Central Park (O4)	10.8%	8	74	similar	2
28	Brooklin West (W10)	11.1%	25	226	similar	3
29	Brock (B1)	11.2%	11	98	similar	3
30	Dryden East (W8)	11.5%	15	131	similar	3
31	Clarke (C7)	11.6%	17	147	similar	3
32	Downtown Whitby (W2)	11.7%	15	128	similar	3
33	Whitby Brock North (W6)	11.7%	15	128	similar	3
34	Bowmanville South (C3)	12.0%	20	167	similar	3
35	Ajax Waterfront (A1)	12.2%	11	90	similar	3
36	Ajax Northeast (A9)	13.0%	35	269	similar	3
37	Central Ajax (A4)	14.6%	13	89	HIGHER	4
38	Carruthers (A3)	14.9%	28	188	HIGHER	4
39	Hillsdale (O7)	15.1%	14	93	HIGHER	4
40	Downtown Ajax (A2)	16.0%	17	106	HIGHER	4
41	Rural Scugog (S2)	16.3%	17	104	HIGHER	4
42	Cochrane South (W3)	16.4%	12	73	HIGHER	4
43	Riverside-Hermitage (A5)	16.8%	16	95	HIGHER	4
44	Gibb West (O2)	18.9%	18	95	HIGHER	4
45	Amberlee (P3)	19.0%	15	79	HIGHER	5
46	Frenchman's Bay (P1)	19.8%	25	126	HIGHER	5
47	Beatrice North (O10)	20.2%	23	114	HIGHER	5
48	Downtown Oshawa (O3)	22.1%	17	77	HIGHER	5
49	Beatrice South (O8)	23.3%	20	86	HIGHER	5
50	Lakeview (O1)	24.0%	46	192	HIGHER	5

EDI - Senior kindergarten (SK) children vulnerable in emotional maturity (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 4.1 to 24.0 per cent in 2012, and from 6.0 to 28.8 per cent in 2015. The difference over time ranged from -8.9 to 12.3 per cent.
- Neighbourhoods with higher percentages of vulnerable children in 2015 were in Oshawa. Clarington and Ajax had a mix of higher and lower Neighbourhoods but were similar overall to Durham Region. The municipalities of Pickering and Whitby were significantly lower. One of the seven Priority Neighbourhoods improved (Lakeview) and one significantly increased (Gibb West). Durham Region was higher than Ontario in 2012 and similar in 2015. The percentage of vulnerable children increased statistically in both Durham Region and Ontario but the increase was less than 2% and not considered meaningful.

Indicator Notes

- This EDI indicator measures the percentage of SK children who scored low in the domain of emotional maturity. This domain includes the ability to reflect before acting, display a balance between being too fearful and too impulsive, the ability to deal with feelings at an age appropriate level, and have an empathetic response to other people's feelings.
- 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](#).

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.