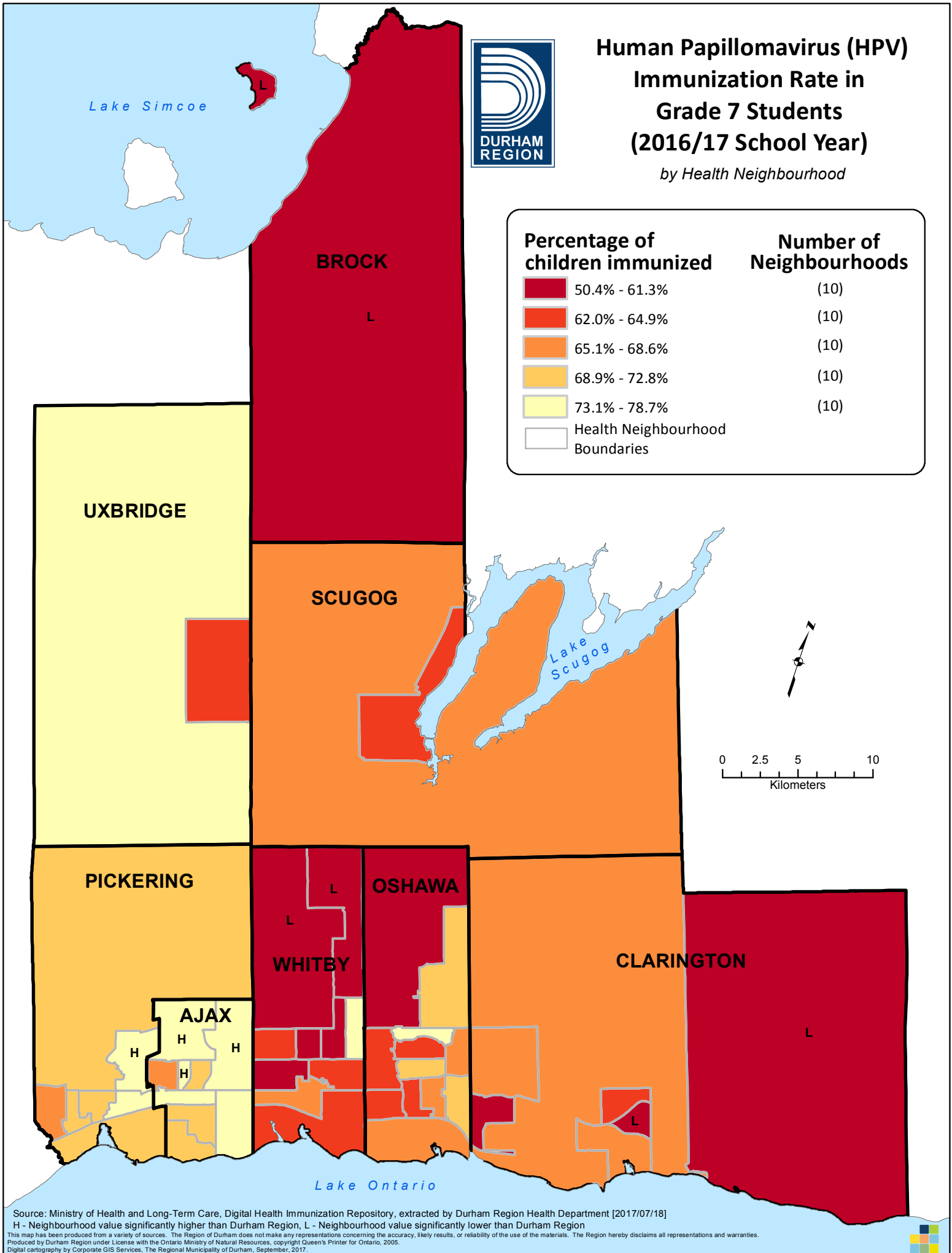
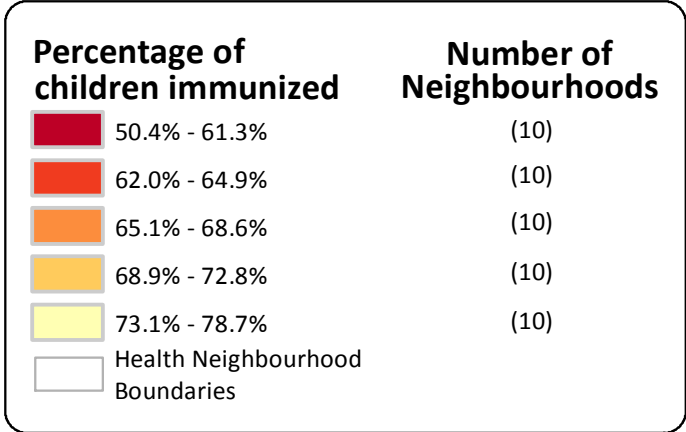




# Human Papillomavirus (HPV) Immunization Rate in Grade 7 Students (2016/17 School Year)

by Health Neighbourhood



Source: Ministry of Health and Long-Term Care, Digital Health Immunization Repository, extracted by Durham Region Health Department [2017/07/18]

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

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## Human papillomavirus (HPV) immunization rates in Grade 7 students (2016/17 school year)

Table 1: Indicator summary

Municipality or Neighbourhood	Immunization Rate	Number Immunized	Number of Grade 7 Children	Compared with Durham Region (Higher is Better)
<b>Pickering</b>	<b>72.0%</b>	<b>742</b>	<b>1,031</b>	<b>HIGHER</b>
Frenchman's Bay (P1)	71.1%	113	159	similar
West Rouge (P2)	68.6%	155	226	similar
Amberlee (P3)	70.6%	77	109	similar
Dunbarton (P4)	70.4%	100	142	similar
Pickering City Centre (P5)	74.1%	106	143	similar
Brock Ridge Pickering (P6)	78.7%	122	155	HIGHER
Pickering North (P7)	71.1%	69	97	similar
<b>Ajax</b>	<b>72.6%</b>	<b>1,144</b>	<b>1,576</b>	<b>HIGHER</b>
Ajax Waterfront (A1)	71.0%	88	124	similar
Downtown Ajax (A2)	71.2%	74	104	similar
Carruthers (A3)	73.5%	136	185	similar
Central Ajax (A4)	73.1%	95	130	similar
Riverside-Hermitage (A5)	65.7%	90	137	similar
Westney Heights (A6)	77.7%	73	94	HIGHER
Applecroft (A7)	69.3%	113	163	similar
Ajax Northwest (A8)	74.5%	205	275	HIGHER
Ajax Northeast (A9)	74.2%	270	364	HIGHER
<b>Whitby</b>	<b>61.4%</b>	<b>1,116</b>	<b>1,817</b>	<b>LOWER</b>
Whitby South (W1)	62.1%	113	182	similar
Downtown Whitby (W2)	67.3%	101	150	similar
Cochrane South (W3)	56.9%	62	109	similar
Manning (W4)	62.0%	98	158	similar
Williamsburg (W5)	63.5%	113	178	similar
Whitby Brock North (W6)	59.5%	103	173	similar
Dryden-Anderson (W7)	59.0%	79	134	similar
Dryden East (W8)	73.8%	141	191	similar
Brooklin East (W9)	57.9%	150	259	LOWER
Brooklin West (W10)	55.1%	156	283	LOWER
<b>Oshawa</b>	<b>66.8%</b>	<b>1,136</b>	<b>1,701</b>	<b>similar</b>
Lakeview (O1)	65.4%	121	185	similar
Gibb West (O2)	63.9%	62	97	similar
Downtown Oshawa (O3)	62.5%	45	72	similar
Central Park (O4)	66.7%	60	90	similar
Grandview South (O5)	72.8%	59	81	similar
Stevenson North (O6)	63.2%	96	152	similar
Hillsdale (O7)	68.9%	71	103	similar
Beatrice South (O8)	64.9%	72	111	similar
Grandview North (O9)	65.6%	120	183	similar
Beatrice North (O10)	73.6%	81	110	similar
Oshawa Northwest (O11)	60.1%	101	168	similar
Oshawa Northeast (O12)	71.1%	248	349	similar
<b>Clarington</b>	<b>62.1%</b>	<b>708</b>	<b>1,141</b>	<b>LOWER</b>
Courtice South (C1)	61.3%	168	274	similar
Courtice North (C2)	65.1%	69	106	similar
Bowmanville South (C3)	67.1%	106	158	similar
Bowmanville Central (C4)	55.7%	68	122	LOWER
Bowmanville North (C5)	64.0%	121	189	similar
Darlington (C6)	66.1%	72	109	similar
Clarke (C7)	56.8%	104	183	LOWER
<b>Scugog</b>	<b>65.0%</b>	<b>143</b>	<b>220</b>	<b>similar</b>
Port Perry (S1)	64.6%	62	96	similar
Rural Scugog (S2)	65.3%	81	124	similar
<b>Uxbridge</b>	<b>66.7%</b>	<b>138</b>	<b>207</b>	<b>similar</b>
Urban Uxbridge (U1)	63.4%	92	145	similar
Rural Uxbridge (U2)	74.2%	46	62	similar
<b>Brock - Brock (B1)</b>	<b>50.4%</b>	<b>68</b>	<b>135</b>	<b>LOWER</b>
<b>Durham Region</b>	<b>66.4%</b>	<b>5,195</b>	<b>7,828</b>	--
<b>Range</b>	50.4% to 78.7%	45 - 270	62 - 364	--

## Human papillomavirus (HPV) immunization rates in Grade 7 students (2016/17 school year)

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

Order	Neighbourhood	Percentage	Number Immunized	Compared with Durham Region (Higher is Better)	Quintile
1	Brock (B1)	50.4%	68	LOWER	1
2	Brooklin West (W10)	55.1%	156	LOWER	1
3	Bowmanville Central (C4)	55.7%	68	LOWER	1
4	Clarke (C7)	56.8%	104	LOWER	1
5	Cochrane South (W3)	56.9%	62	similar	1
6	Brooklin East (W9)	57.9%	150	LOWER	1
7	Dryden-Anderson (W7)	59.0%	79	similar	1
8	Whitby Brock North (W6)	59.5%	103	similar	1
9	Oshawa Northwest (O11)	60.1%	101	similar	1
10	Courtice South (C1)	61.3%	168	similar	1
11	Manning (W4)	62.0%	98	similar	2
12	Whitby South (W1)	62.1%	113	similar	2
13	Downtown Oshawa (O3)	62.5%	45	similar	2
14	Stevenson North (O6)	63.2%	96	similar	2
15	Urban Uxbridge (U1)	63.4%	92	similar	2
16	Williamsburg (W5)	63.5%	113	similar	2
17	Gibb West (O2)	63.9%	62	similar	2
18	Bowmanville North (C5)	64.0%	121	similar	2
19	Port Perry (S1)	64.6%	62	similar	2
20	Beatrice South (O8)	64.9%	72	similar	2
21	Courtice North (C2)	65.1%	69	similar	3
22	Rural Scugog (S2)	65.3%	81	similar	3
23	Lakeview (O1)	65.4%	121	similar	3
24	Grandview North (O9)	65.6%	120	similar	3
25	Riverside-Hermitage (A5)	65.7%	90	similar	3
26	Darlington (C6)	66.1%	72	similar	3
27	Central Park (O4)	66.7%	60	similar	3
28	Bowmanville South (C3)	67.1%	106	similar	3
29	Downtown Whitby (W2)	67.3%	101	similar	3
30	West Rouge (P2)	68.6%	155	similar	3
31	Hillsdale (O7)	68.9%	71	similar	4
32	Applecroft (A7)	69.3%	113	similar	4
33	Dunbarton (P4)	70.4%	100	similar	4
34	Amberlee (P3)	70.6%	77	similar	4
35	Ajax Waterfront (A1)	71.0%	88	similar	4
36	Oshawa Northeast (O12)	71.1%	248	similar	4
37	Frenchman's Bay (P1)	71.1%	113	similar	4
38	Pickering North (P7)	71.1%	69	similar	4
39	Downtown Ajax (A2)	71.2%	74	similar	4
40	Grandview South (O5)	72.8%	59	similar	4
41	Central Ajax (A4)	73.1%	95	similar	5
42	Carruthers (A3)	73.5%	136	similar	5
43	Beatrice North (O10)	73.6%	81	similar	5
44	Dryden East (W8)	73.8%	141	similar	5
45	Pickering City Centre (P5)	74.1%	106	similar	5
46	Ajax Northeast (A9)	74.2%	270	HIGHER	5
47	Rural Uxbridge (U2)	74.2%	46	similar	5
48	Ajax Northwest (A8)	74.5%	205	HIGHER	5
49	Westney Heights (A6)	77.7%	73	HIGHER	5
50	Brock Ridge Pickering (P6)	78.7%	122	HIGHER	5

## Immunization rate for human papillomavirus (HPV) in Grade 7 students (2016/17)

### What You Need to Know

- Higher immunization rates are better for health.
- Immunization rates ranged by Health Neighbourhood from 50.4 to 78.7 per cent.
- Immunization rates were highest in Ajax and Pickering, specifically the Neighbourhoods of Brock Ridge Pickering, Westney Heights, Ajax Northwest and Ajax Northeast. Rates were lowest in Brock, Brooklin West and Brooklin East in Whitby, and the Clarington Neighbourhoods of Bowmanville Central and Clarke.

### Indicator Notes

- This indicator measures the percentage of Grade 7 boys and girls (aged 12 or 13) fully immunized against HPV.
- Source: Ministry of Health and Long-Term Care, Digital Health Immunization Repository, extracted by Durham Region Health Department [2017/07/18]
- We used the Panorama Forecaster tool to determine the percentage of children fully immunized against HPV. To be fully immunized, children required two doses of vaccine at the appropriate age and sequence specified by the Ontario Immunization Schedule. Children were considered to be not fully immunized if they were due, eligible, overdue, or up-to-date but not yet due for their next dose, or if they had an exemption due to medical reasons, conscience or religious beliefs.
- HPV is a group of more than 130 types of viruses. Certain types of HPV can lead to cervical cancer, genital cancers, precancerous lesions, anal cancer, certain cancers of the head and neck, and genital warts. HPV vaccination and regular cervical screening are the most effective ways to prevent cervical cancer.
- Durham Region Health Department began offering three doses of the HPV vaccine to Grade 8 females at scheduled school clinics in 2007/08. Ontario changed the program in 2016/17 to vaccinate both girls and boys in Grade 7 with two doses.
- We mapped immunization rates based on the neighbourhood where the child lived and excluded children with postal codes that could not be matched to a neighbourhood as well as children who attended school outside of Durham Region.
- We sorted Neighbourhoods by the immunization rate and divided them into quintiles (five equal groupings). Approximately 10 Neighbourhoods are in each quintile.
- We compared Neighbourhoods 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 immunization rates in Durham Region, see [durham.ca/healthstats](http://durham.ca/healthstats).

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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.