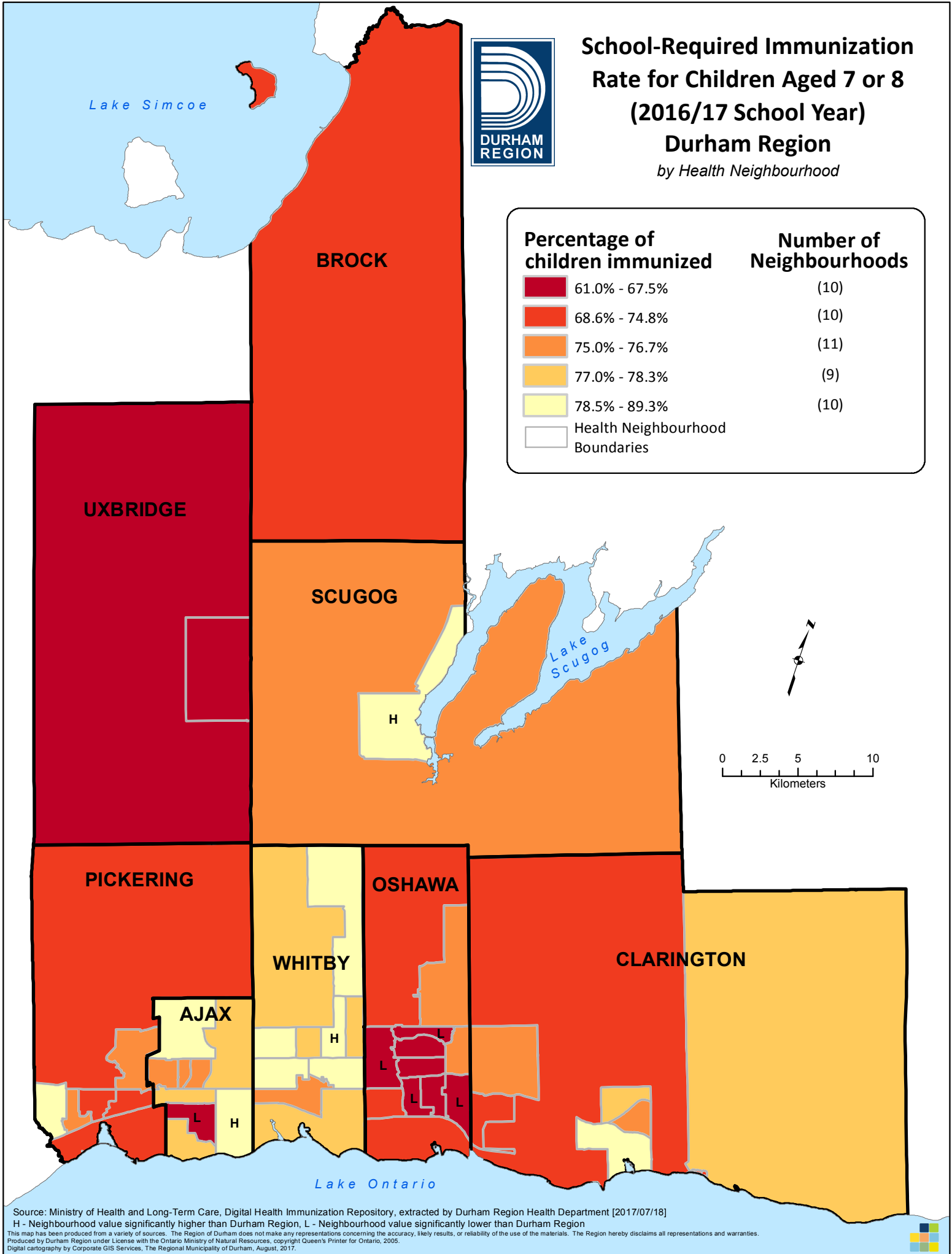




School-Required Immunization Rate for Children Aged 7 or 8 (2016/17 School Year)

Durham Region
by Health Neighbourhood

| Percentage of children immunized | Number of Neighbourhoods |
|----------------------------------|--------------------------|
| 61.0% - 67.5% | (10) |
| 68.6% - 74.8% | (10) |
| 75.0% - 76.7% | (11) |
| 77.0% - 78.3% | (9) |
| 78.5% - 89.3% | (10) |
| Health Neighbourhood Boundaries | |



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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School-required immunization rates for children aged 7 or 8 (2016/17 school year)

Table 1: Indicator summary

| Municipality or Neighbourhood | Immunization Rate | Number Immunized | Number of Children aged 7 or 8 | Compared with Durham Region (Higher is Better) |
|-------------------------------|-------------------|------------------|--------------------------------|--|
| Pickering | 74.8% | 745 | 996 | similar |
| Frenchman's Bay (P1) | 74.0% | 125 | 169 | similar |
| West Rouge (P2) | 78.9% | 101 | 128 | similar |
| Amberlee (P3) | 75.2% | 82 | 109 | similar |
| Dunbarton (P4) | 71.5% | 113 | 158 | similar |
| Pickering City Centre (P5) | 74.8% | 104 | 139 | similar |
| Brock Ridge Pickering (P6) | 75.7% | 134 | 177 | similar |
| Pickering North (P7) | 74.1% | 86 | 116 | similar |
| Ajax | 77.5% | 1,233 | 1,590 | similar |
| Ajax Waterfront (A1) | 77.1% | 74 | 96 | similar |
| Downtown Ajax (A2) | 65.7% | 71 | 108 | LOWER |
| Carruthers (A3) | 83.2% | 188 | 226 | HIGHER |
| Central Ajax (A4) | 77.3% | 85 | 110 | similar |
| Riverside-Hermitage (A5) | 76.7% | 89 | 116 | similar |
| Westney Heights (A6) | 76.7% | 69 | 90 | similar |
| Applecroft (A7) | 75.0% | 111 | 148 | similar |
| Ajax Northwest (A8) | 79.9% | 207 | 259 | similar |
| Ajax Northeast (A9) | 77.6% | 339 | 437 | similar |
| Whitby | 79.3% | 1,457 | 1,838 | HIGHER |
| Whitby South (W1) | 77.2% | 173 | 224 | similar |
| Downtown Whitby (W2) | 76.4% | 107 | 140 | similar |
| Cochrane South (W3) | 79.7% | 94 | 118 | similar |
| Manning (W4) | 78.5% | 113 | 144 | similar |
| Williamsburg (W5) | 82.0% | 141 | 172 | similar |
| Whitby Brock North (W6) | 78.2% | 122 | 156 | similar |
| Dryden-Anderson (W7) | 89.3% | 134 | 150 | HIGHER |
| Dryden East (W8) | 77.2% | 122 | 158 | similar |
| Brooklin East (W9) | 79.9% | 207 | 259 | similar |
| Brooklin West (W10) | 77.0% | 244 | 317 | similar |
| Oshawa | 70.0% | 1,323 | 1,891 | LOWER |
| Lakeview (O1) | 68.6% | 140 | 204 | similar |
| Gibb West (O2) | 70.4% | 76 | 108 | similar |
| Downtown Oshawa (O3) | 61.0% | 61 | 100 | LOWER |
| Central Park (O4) | 67.0% | 73 | 109 | similar |
| Grandview South (O5) | 65.3% | 66 | 101 | LOWER |
| Stevenson North (O6) | 66.7% | 104 | 156 | LOWER |
| Hillsdale (O7) | 67.5% | 77 | 114 | similar |
| Beatrice South (O8) | 65.7% | 69 | 105 | similar |
| Grandview North (O9) | 76.6% | 134 | 175 | similar |
| Beatrice North (O10) | 65.0% | 93 | 143 | LOWER |
| Oshawa Northwest (O11) | 71.6% | 151 | 211 | similar |
| Oshawa Northeast (O12) | 76.4% | 279 | 365 | similar |
| Clarington | 76.8% | 887 | 1,155 | similar |
| Courtice South (C1) | 74.6% | 150 | 201 | similar |
| Courtice North (C2) | 75.7% | 81 | 107 | similar |
| Bowmanville South (C3) | 79.5% | 151 | 190 | similar |
| Bowmanville Central (C4) | 75.5% | 80 | 106 | similar |
| Bowmanville North (C5) | 78.3% | 180 | 230 | similar |
| Darlington (C6) | 74.6% | 88 | 118 | similar |
| Clarke (C7) | 77.3% | 157 | 203 | similar |
| Scugog | 80.0% | 164 | 205 | similar |
| Port Perry (S1) | 87.3% | 62 | 71 | HIGHER |
| Rural Scugog (S2) | 76.1% | 102 | 134 | similar |
| Uxbridge | 66.0% | 130 | 197 | LOWER |
| Urban Uxbridge (U1) | 67.2% | 88 | 131 | similar |
| Rural Uxbridge (U2) | 63.6% | 42 | 66 | similar |
| Brock - Brock (B1) | 72.6% | 90 | 124 | similar |
| Durham Region | 75.4% | 6,029 | 7,996 | -- |
| Range | 61.0% to 89.3% | 42 - 339 | 66 - 437 | -- |

School-required immunization rates for children aged 7 or 8 (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 | Downtown Oshawa (O3) | 61.0% | 61 | LOWER | 1 |
| 2 | Rural Uxbridge (U2) | 63.6% | 42 | similar | 1 |
| 3 | Beatrice North (O10) | 65.0% | 93 | LOWER | 1 |
| 4 | Grandview South (O5) | 65.3% | 66 | LOWER | 1 |
| 5 | Beatrice South (O8) | 65.7% | 69 | similar | 1 |
| 6 | Downtown Ajax (A2) | 65.7% | 71 | LOWER | 1 |
| 7 | Stevenson North (O6) | 66.7% | 104 | LOWER | 1 |
| 8 | Central Park (O4) | 67.0% | 73 | similar | 1 |
| 9 | Urban Uxbridge (U1) | 67.2% | 88 | similar | 1 |
| 10 | Hillsdale (O7) | 67.5% | 77 | similar | 1 |
| 11 | Lakeview (O1) | 68.6% | 140 | similar | 2 |
| 12 | Gibb West (O2) | 70.4% | 76 | similar | 2 |
| 13 | Dunbarton (P4) | 71.5% | 113 | similar | 2 |
| 14 | Oshawa Northwest (O11) | 71.6% | 151 | similar | 2 |
| 15 | Brock (B1) | 72.6% | 90 | similar | 2 |
| 16 | Frenchman's Bay (P1) | 74.0% | 125 | similar | 2 |
| 17 | Pickering North (P7) | 74.1% | 86 | similar | 2 |
| 18 | Darlington (C6) | 74.6% | 88 | similar | 2 |
| 19 | Courtice South (C1) | 74.6% | 150 | similar | 2 |
| 20 | Pickering City Centre (P5) | 74.8% | 104 | similar | 2 |
| 21 | Applecroft (A7) | 75.0% | 111 | similar | 3 |
| 22 | Amberlee (P3) | 75.2% | 82 | similar | 3 |
| 23 | Bowmanville Central (C4) | 75.5% | 80 | similar | 3 |
| 24 | Courtice North (C2) | 75.7% | 81 | similar | 3 |
| 25 | Brock Ridge Pickering (P6) | 75.7% | 134 | similar | 3 |
| 26 | Rural Scugog (S2) | 76.1% | 102 | similar | 3 |
| 27 | Downtown Whitby (W2) | 76.4% | 107 | similar | 3 |
| 28 | Oshawa Northeast (O12) | 76.4% | 279 | similar | 3 |
| 29 | Grandview North (O9) | 76.6% | 134 | similar | 3 |
| 30 | Westney Heights (A6) | 76.7% | 69 | similar | 3 |
| 31 | Riverside-Hermitage (A5) | 76.7% | 89 | similar | 3 |
| 32 | Brooklin West (W10) | 77.0% | 244 | similar | 4 |
| 33 | Ajax Waterfront (A1) | 77.1% | 74 | similar | 4 |
| 34 | Dryden East (W8) | 77.2% | 122 | similar | 4 |
| 35 | Whitby South (W1) | 77.2% | 173 | similar | 4 |
| 36 | Central Ajax (A4) | 77.3% | 85 | similar | 4 |
| 37 | Clarke (C7) | 77.3% | 157 | similar | 4 |
| 38 | Ajax Northeast (A9) | 77.6% | 339 | similar | 4 |
| 39 | Whitby Brock North (W6) | 78.2% | 122 | similar | 4 |
| 40 | Bowmanville North (C5) | 78.3% | 180 | similar | 4 |
| 41 | Manning (W4) | 78.5% | 113 | similar | 5 |
| 42 | West Rouge (P2) | 78.9% | 101 | similar | 5 |
| 43 | Bowmanville South (C3) | 79.5% | 151 | similar | 5 |
| 44 | Cochrane South (W3) | 79.7% | 94 | similar | 5 |
| 45 | Ajax Northwest (A8) | 79.9% | 207 | similar | 5 |
| 46 | Brooklin East (W9) | 79.9% | 207 | similar | 5 |
| 47 | Williamsburg (W5) | 82.0% | 141 | similar | 5 |
| 48 | Carruthers (A3) | 83.2% | 188 | HIGHER | 5 |
| 49 | Port Perry (S1) | 87.3% | 62 | HIGHER | 5 |
| 50 | Dryden-Anderson (W7) | 89.3% | 134 | HIGHER | 5 |

School-required immunization rate, ages 7 or 8 (2016/17 school year)

What You Need to Know

- Higher immunization rates are better for health.
- The percentage ranged by Health Neighbourhood from 61.0 to 89.3 per cent.
- Neighbourhoods with higher immunization rates were Dryden-Anderson, Port Perry and Carruthers. Rates were lower in Downtown Oshawa, Beatrice North, Grandview South, Downtown Ajax and Stevenson North. Rates were significantly lower overall in the seven Priority Neighbourhoods as compared to Durham Region.

Indicator Notes

- This indicator measures the percentage of children aged 7 or 8 (born in 2009) fully immunized for the six infectious diseases identified in the Immunization of School Pupils Act (ISPA): diphtheria, tetanus, poliomyelitis, measles, mumps, and rubella.
- 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 the six diseases identified by ISPA. Fully immunized refers to receiving the recommended number of immunization doses at the appropriate age and sequence specified by the Ontario Immunization Schedule. Children were considered to be not fully immunized if they were overdue for their next dose for any of the ISPA-related immunizations or if they had an exemption due to medical reasons, conscience or religious beliefs.
- Ontario's ISPA requires that all primary and secondary students attending school in Ontario provide proof of immunization against the six ISPA-related diseases, unless they have an exemption. Exemptions may be granted for medical reasons or conscience or religious beliefs. Parents or guardians are required to report their child's immunizations to their local public health unit. Children may not be allowed to attend school if they are not immunized or do not have a valid exemption.
- 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 and those 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.
- Priority Neighbourhoods are communities that require focus to build on health and well-being. The Priority Neighbourhoods are: 1) Downtown Ajax – Ajax, 2) Downtown Whitby – Whitby, 3) Lakeview – Oshawa, 4) Gibb West – Oshawa, 5) Downtown Oshawa – Oshawa, 6) Central Park – Oshawa, 7) Beatrice North – Oshawa.
- For information about immunization rates in Durham Region, see durham.ca/healthstats.

Release Date: December 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.