

Preliminary Results of Geographic Information Systems (GIS) Map Correlations

Correlations	Aurora	East Gwillimbury	Georgina	King	Markham	Newmarket	Richmond Hill	Whitchurch-Stouffville	Vaughan
Physical Activity, Sport and Recreation									
Recreation facilities (pools, arenas, community centres, etc.) within walking distance of transit ¹ Note: includes all recreation facilities, not just pools, arenas and community centres	9 meet criteria 0 do not meet criteria	8 meet criteria 1 do not meet criteria	18 meet criteria 5 do not meet criteria	2 meet criteria 9 do not meet criteria	23 meet criteria 3 do not meet criteria	22 meet criteria 0 do not meet criteria	22 meet criteria 0 do not meet criteria	5 meet criteria 5 do not meet criteria	20 meet criteria 2 do not meet criteria
Recreation facilities (pools, arenas, community centres) within and adjacent to residential areas	8 meet criteria 1 do not meet criteria	9 meet criteria 0 do not meet criteria	22 meet criteria 1 do not meet criteria	10 meet criteria 1 do not meet criteria	24 meet criteria 2 do not meet criteria	22 meet criteria 0 do not meet criteria	22 meet criteria 0 do not meet criteria	10 meet criteria 0 do not meet criteria	21 meet criteria 1 do not meet criteria
Number of parks per municipality	58	0	0	0	0	61	170	26	1
Length of trail networks per municipality	31.0 km	62.2 km	61.7 km	49.1 km	140.2 km	38.4 km	210.4 km	123.1 km	49.6 km
Trails in areas with vulnerable ² population groups within walking distance of transit ³	N/A	N/A	N/A	N/A	86.8 km trails	No vulnerable population groups	82.1 km trails 59 parks	No vulnerable population groups	11.2 km trails

¹ Walking distance of 400 metres, representing a 5 minute walk within an acceptable “pedestrian shed”

² Vulnerable population groups identified as “double” and “triple” vulnerable populations sourced in Lo, Lucia (2009). “Infrastructure in York Region: Analysis of Human Services.” York University.

³ Walking distance of 400 metres, representing a 5 minute walk within an acceptable “pedestrian shed”

Correlations	Aurora	East Gwillimbury	Georgina	King	Markham	Newmarket	Richmond Hill	Whitchurch-Stouffville	Vaughan
Injury Prevention									
Long term care facilities accessible by transit	Analysis will be undertaken in conjunction with assessment of accessible public transit service for people with disabilities								
Long term care facilities integrated within existing neighbourhoods	Analysis will be undertaken in conjunction with assessment of accessible public transit service for people with disabilities								
Secondary Schools (all) within walking distance of transit ⁴	4 meet criteria 1 do not meet criteria	0 meet criteria 0 do not meet criteria	3 meet criteria 0 do not meet criteria	3 meet criteria 0 do not meet criteria	28 meet criteria 0 do not meet criteria	8 meet criteria 0 do not meet criteria	14 meet criteria 1 do not meet criteria	26 meet criteria 0 do not meet criteria	1 meet criteria 1 do not meet criteria
Secondary schools within walking distance of trail or path ⁵	4 meet criteria 1 do not meet criteria	0 meet criteria 0 do not meet criteria	1 meet criteria 2 do not meet criteria	1 meet criteria 2 do not meet criteria	25 meet criteria 3 do not meet criteria	5 meet criteria 3 do not meet criteria	15 meet criteria 0 do not meet criteria	2 meet criteria 24 do not meet criteria	2 meet criteria 0 do not meet criteria
Elementary Schools (all) within walking distance of transit ⁶	20 meet criteria 2 do not meet criteria	8 meet criteria 0 do not meet criteria	12 meet criteria 3 do not meet criteria	3 meet criteria 9 do not meet criteria	82 meet criteria 10 do not meet criteria	30 meet criteria 1 do not meet criteria	45 meet criteria 4 do not meet criteria	9 meet criteria 3 do not meet criteria	85 meet criteria 11 do not meet criteria
Elementary schools within walking distance of a trail or path ⁷	15 meet criteria 7 not meet criteria	2 meet criteria 6 do not meet criteria	2 meet criteria 13 do not meet criteria	2 meet criteria 10 do not meet criteria	85 meet criteria 7 do not meet criteria	26 meet criteria 5 do not meet criteria	49 meet criteria 0 do not meet criteria	4 meet criteria 8 do not meet criteria	12 meet criteria 84 do not meet criteria

⁴ Walking distance of 400 metres, representing a 5 minute walk within an acceptable “pedestrian shed”

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Correlations	Aurora	East Gwillimbury	Georgina	King	Markham	Newmarket	Richmond Hill	Whitchurch-Stouffville	Vaughan
Healthy Eating									
Grocery stores within walking distance of transit ⁸	5 stores meet criteria 0 stores do not meet criteria	0 stores meet criteria 0 stores do not meet criteria	2 stores meet criteria 0 stores do not meet criteria	0 stores meet criteria 0 stores do not meet criteria	8 stores meet criteria 0 stores do not meet criteria	7 stores meet criteria 0 stores do not meet criteria	7 stores meet criteria 0 stores do not meet criteria	2 stores meet criteria 0 stores do not meet criteria	14 stores meet criteria 0 stores do not meet criteria
Number of fresh food sources (grocery stores, farmers markets) in areas with vulnerable ⁹ population groups	No vulnerable population groups	No vulnerable population groups	No vulnerable population groups	No vulnerable population groups	7 grocery stores 2 farmers market	No vulnerable population groups	2 grocery stores 0 farmers market	No vulnerable population groups	4 grocery stores 0 farmers market
Number of community gardens	1	0	0	0	1	1	2	0	1
Number of Community gardens in residential areas	1 meet criteria 0 do not meet criteria	0 meet criteria 0 do not meet criteria	0 meet criteria 0 do not meet criteria	0 meet criteria 0 do not meet criteria	1 meet criteria 0 do not meet criteria	1 meet criteria 0 do not meet criteria	1 meet criteria 1 do not meet criteria	0 meet criteria 0 do not meet criteria	1 meet criteria 0 do not meet criteria

⁸ Walking distance of 400 metres, representing a 5 minute walk within an acceptable “pedestrian shed”

⁹ Vulnerable population groups identified as “double” and “triple” vulnerable populations sourced in Lo, Lucia (2009). [Infrastructure in York Region: Analysis of Human Services](#) York University.

Correlations	Aurora	East Gwillimbury	Georgina	King	Markham	Newmarket	Richmond Hill	Whitchurch-Stouffville	Vaughan
Tobacco Use/Exposure									
Data gap									

Correlations	Aurora	East Gwillimbury	Georgina	King	Markham	Newmarket	Richmond Hill	Whitchurch-Stouffville	Vaughan
Substance & Alcohol Misuse									
Alcohol addiction shelters/facilities per municipality	1	0	4	1	2	2	2	0	1
Alcohol addiction shelters/facilities within walking distance of transit ¹⁰	1 meet criteria 0 do not meet criteria	No shelters	4 meet criteria 0 do not meet criteria	0 meet criteria 1 do not meet criteria	2 meet criteria 0 do not meet criteria	2 meet criteria 0 do not meet criteria	2 meet criteria 0 do not meet criteria	No shelters	0 meet criteria 1 do not meet criteria
Number of alcohol outlets within walking distance of transit ¹¹	1	0	3	0	4	0	1	2	2
Number of alcohol outlets within walking distance ¹² of a recreation facility (pools, arenas, community centres, etc.)	0	0	3	0	3	0	0	0	1

¹⁰ Walking distance of 400 metres, representing a 5 minute walk within an acceptable “pedestrian shed”

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Correlations	Aurora	East Gwillimbury	Georgina	King	Markham	Newmarket	Richmond Hill	Whitchurch-Stouffville	Vaughan
Mental Health									
Mental health shelters and homes per municipality	2	7	5	4	0	8	2	0	6
Mental health shelters and homes within walking distance of transit ¹³	2 meet criteria 0 do not meet criteria	5 meet criteria 2 do not meet criteria	3 meet criteria 2 do not meet criteria	0 meet criteria 4 do not meet criteria	0 meet criteria 0 do not meet criteria	8 meet criteria 0 do not meet criteria	2 meet criteria 0 do not meet criteria	0 meet criteria 0 do not meet criteria	6 meet criteria 0 do not meet criteria
Number of food banks in areas with vulnerable ¹⁴ population groups	No vulnerable population groups	No vulnerable population groups	No vulnerable population groups	No vulnerable population groups	1	No vulnerable population groups	1	No vulnerable population groups	1
Number of community kitchens in areas with vulnerable ¹⁵ population groups	No vulnerable population groups	No vulnerable population groups	No vulnerable population groups	No vulnerable population groups	0	No vulnerable population groups	1	No vulnerable population groups	0

¹³ Walking distance of 400 metres, representing a 5 minute walk within an acceptable “pedestrian shed”

¹⁴ Vulnerable population groups identified as “double” and “triple” vulnerable populations sourced in Lo, Lucia (2009). [Infrastructure in York Region: Analysis of Human Services](#). York University.

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Correlations	Aurora	East Gwillimbury	Georgina	King	Markham	Newmarket	Richmond Hill	Whitchurch-Stouffville	Vaughan
Multiple									
Number of transit routes providing access to local public hospital (routes within 400m of hospital)	No local hospital	No local hospital	No local hospital	No local hospital	12	9	5	No local hospital	No local hospital
Number of long-term care facilities per municipality (excludes hospitals and mental, alcohol and emergency shelters)	8	22	17	3	14	19	28	7	23