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6-12-2024

Assignment – Sheridan College Student Workshop – Mississauga Healthy City Strategy

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Abdi, Parandis, "Assignment – Sheridan College Student Workshop – Mississauga Healthy City Strategy" (2024). *Rubric*. 1.

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Assignment – Sheridan College Student Workshop – Mississauga Healthy City Strategy

Urban Design & Architectural Technology Students

Instructor:

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Faculty of Applied Science and Technology

Sheridan College Institute of Technology and Advanced Learning

Purpose: Explore possible built form interventions to improve community health including access to green space, air quality, access to healthy food, walkability in the west, north, northeastern and central areas of Mississauga.

City provide:

- Study areas
- Associated research and assessment tools:
 - Peel Public Health's [Building Health Through Planning – The Healthy Development Mapping & Monitoring Project](#)
 - Dalla Lana School of Public Health, University of Toronto's [HealthyPlan.City](#)

Task:

1. Evaluate a neighbourhood of high prevalence of Type 2 Diabetes (T2D) and intersecting environmental risk factors using the Healthy City “Indicators”. The objective is to demonstrate, develop a possible planning, urban design, and streetscape intervention(s) to help lead to a healthier community.
2. Prepare:
 - a) A written urban design brief summarizing the considerations to address the environmental risk factors
 - b) A concept sketch (plan and/or section) of possible planning, urban design, and streetscape interventions to help lead to a healthier community
3. Evaluate a specific neighbourhood using modified “healthy city” indicators:

Healthy City Indicator	Considerations	Comments
1. Neighbourhood Context	a. Prevalence of Type 2 Diabetes	Reference: Peel Public Health's Building Health Through Planning – The Healthy Development Mapping & Monitoring Project
	b. Socio-economic Status	Reference: HealthyPlan.City
2. Density	a. Residential	Reference: Peel Public Health's Building Health Through Planning – The Healthy Development Mapping & Monitoring Project
	b. Employment	
3. Service Proximity	a. Transit	Reference: Peel Public Health's Building Health Through Planning – The Healthy Development Mapping & Monitoring Project
	b. Retail & Services	
	c. Education & Culture	
4. Land Use Mix	a. Parks	HealthyPlan.City
	b. Recreation & Sports	
	c. Large natural areas	
5. Street Connectivity	a. Active Transportation	
	b. Pedestrian Comfort & Safety	
6. Streetscape Design	a. Materials	
	b. Heat Island	
	c. Walkability	
	d. Air & Noise Pollution	

4. Neighbourhoods for Study (by Census Tract):

Group/ Table #	Census Tract Number	Prevalence of T2D*	Neighbourhood	Major Street Intersections
1	5350529.01	High	Malton	Northwest of Derry Rd E and Airport Road
2	5350532.01	High	Malton	Northwest of Redstone Rd and Netherwood Road
3	5350532.02	Very High	Malton	Northwest of Goreway and Morning Star Drive
4	5350531.01	High	Malton	Southeast of Brandon gate Drive and Goreway Drive
5	5350531.02	Very High	Malton	Southwest of Finch Ave and CN Rail line
6	5350530.01	Very High	Malton	Southwest of Morning Star and Darcel Ave
7	5350529.02	Very High	Malton	Southwest of Jolliffe Ave & Dooley Drive
8	5350530.02	Very High	Malton	Southwest of Morning Star Rd and Hwy 427
9	5350528.24	High	Hurontario	Northwest of Fairwind Drive and Eglinton Ave West
10	5350521.03	Very High	Mississauga Valley	Northeast of Hurontario Street and CP Rail line
11	5350528.02	High	East Credit	Southeast of Eglinton Ave W and Creditview Road
12	5350516.42	High	Churchill Meadows	Southeast of Britannia Rd W and Ninth Line

Group/ Table #	Census Tract Number	Prevalence of T2D*	Neighbourhood	Major Street Intersections
13	5350513.02	High	Cooksville	Southwest of Huronario Street and Dundas Street West
14	5350520.05	High	Cooksville	Southeast of Central Parkway and Huronario Street

*Peel Public Health [Healthy Development Monitoring Map](#)