

The background is black and features several sets of concentric circles in shades of purple, blue, and teal. The circles vary in size and are scattered across the frame, creating a dynamic and abstract pattern.

Mental Health in Toronto

A short analysis by Yusra Hassan with SAP

Project Overview

Goal: Strive for an equitable world where everyone has enough mental health resources to live a fulfilling life

Method: Look into different groups of people in Toronto and find out how they compare in number of mental health services based on their population size

Significance: Mental health services are linked to providing people with good wellbeing. Ensuring an acceptable distribution of the services will lead to the building of a happier and healthier city.

Pages in this presentation: Last Term's Summary, Research, Outcome, Next Steps, Sources

Assumptions (bold = updates)

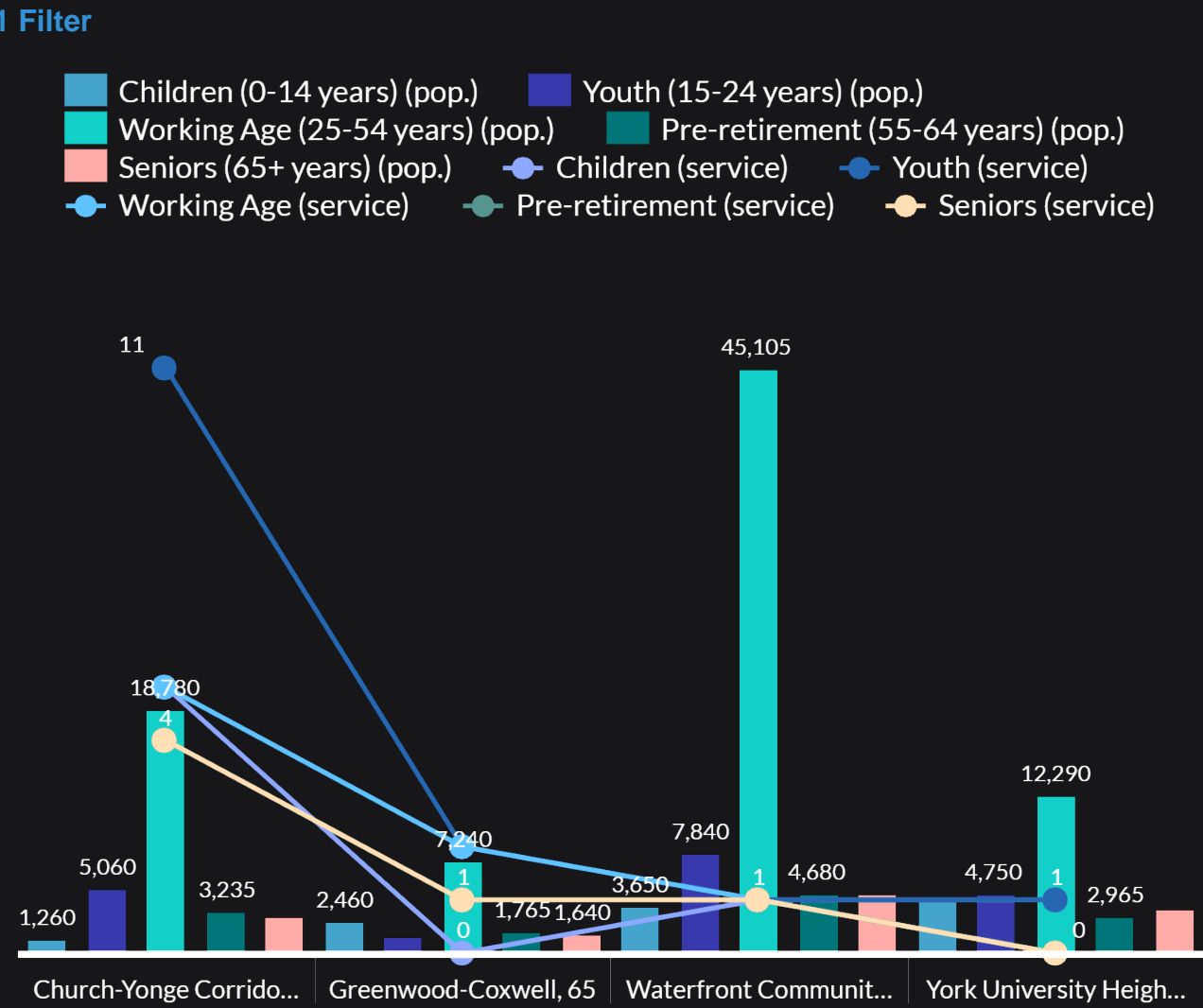
- **1 clinic per ~~6,548~~ 11,858 (neighbourhoods' population/services) people is adequate to support the needs of the community**
- Occupants of each neighbourhood attend the nearest mental health clinic
- The data available is complete and up-to-date
- The facilities listed have adequate staff to accommodate the patients
- ~~\$38,880 determines low income cut-off~~
- **People attend services only if they are offered in their mother tongue**

A Summary of Last Term's Findings

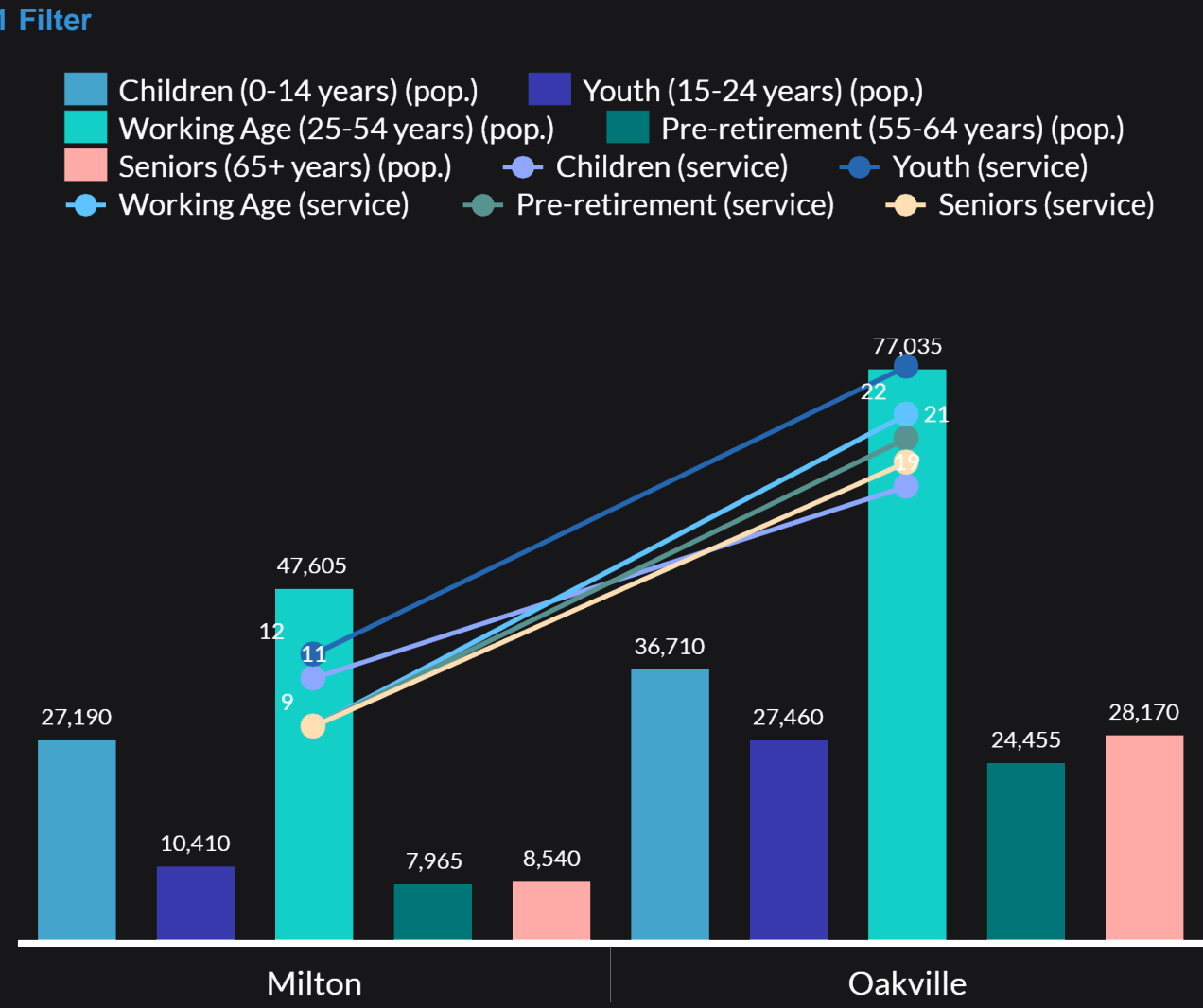
- Mental health services are generally less in lesser income neighborhoods
- More mental health services lead to better productivity, health and happiness
- From the neighborhoods with at least one documented service:
 - The Church Yonge Corridor neighborhood had the best/least ratio
 - The Waterfront Communities neighborhood had the highest/worst ratio
 - Only 3 fell within the desired range of ± 1000 from 6548
- 68% of neighborhoods didn't have a single documented mental health clinic/helpline

Research

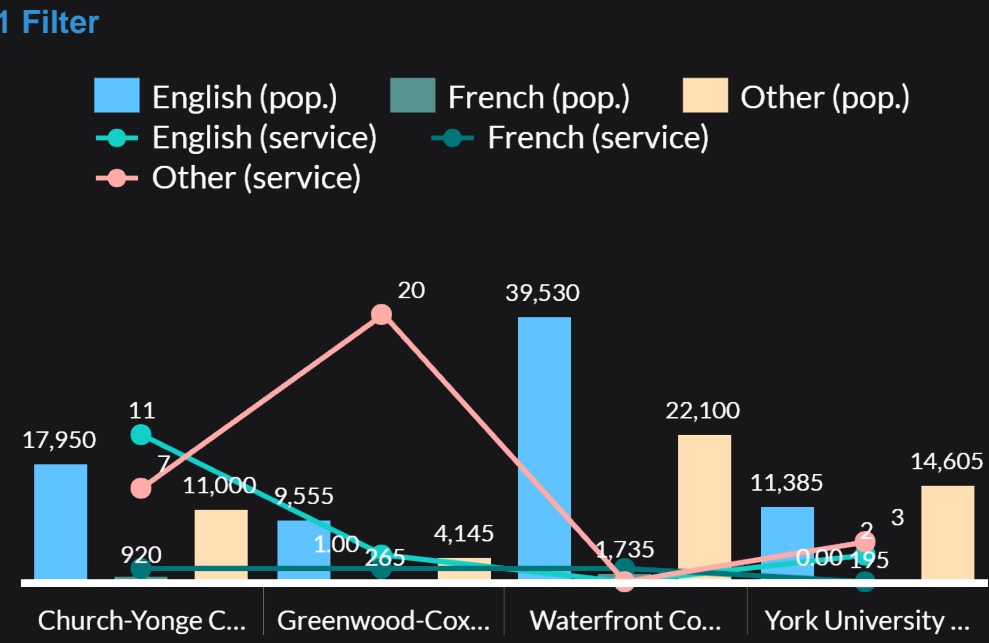
Population vs. Number of Mental Health Services in Different Neighborhoods With Age Breakdown



Population vs. Number of Mental Health Services in Different Neighborhoods With Age Breakdown

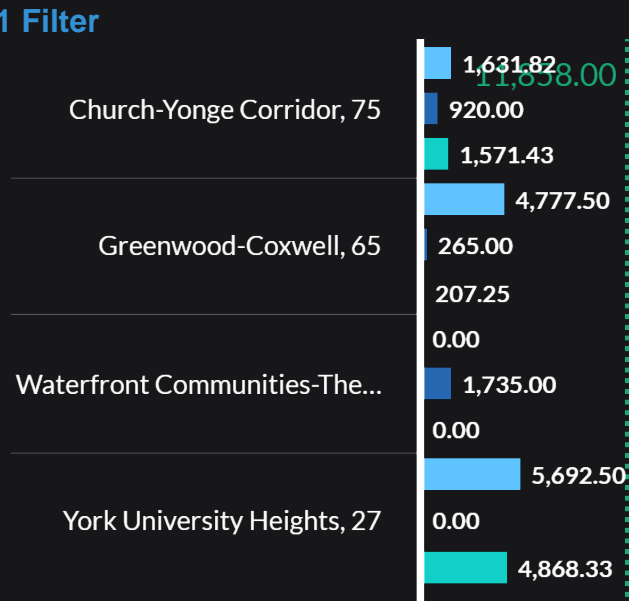


Language Popularity vs Availability in Mental Health Services in Toronto Neighborhoods

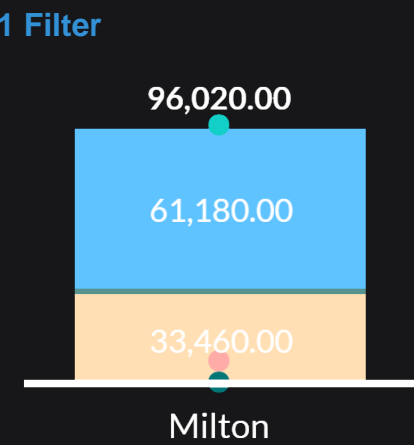


85.6% of people in Waterfront Communities do not know any French - the only language mental health services are provided in over there.

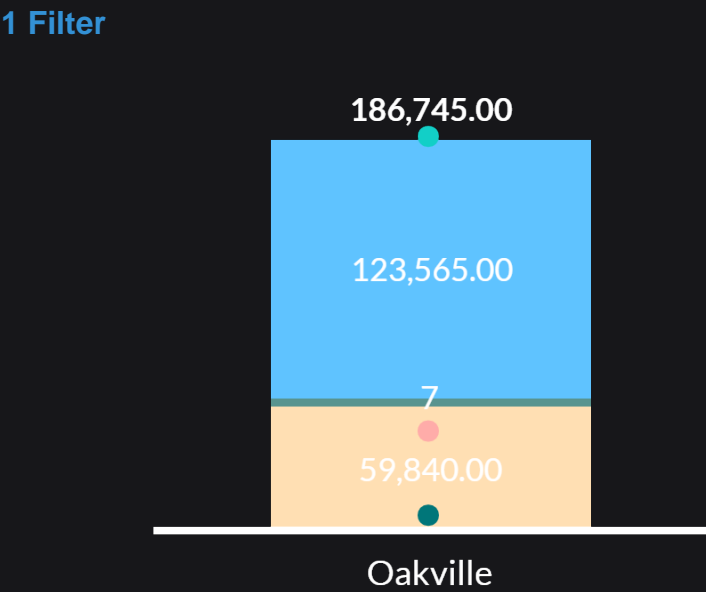
People to 1 clinic by language



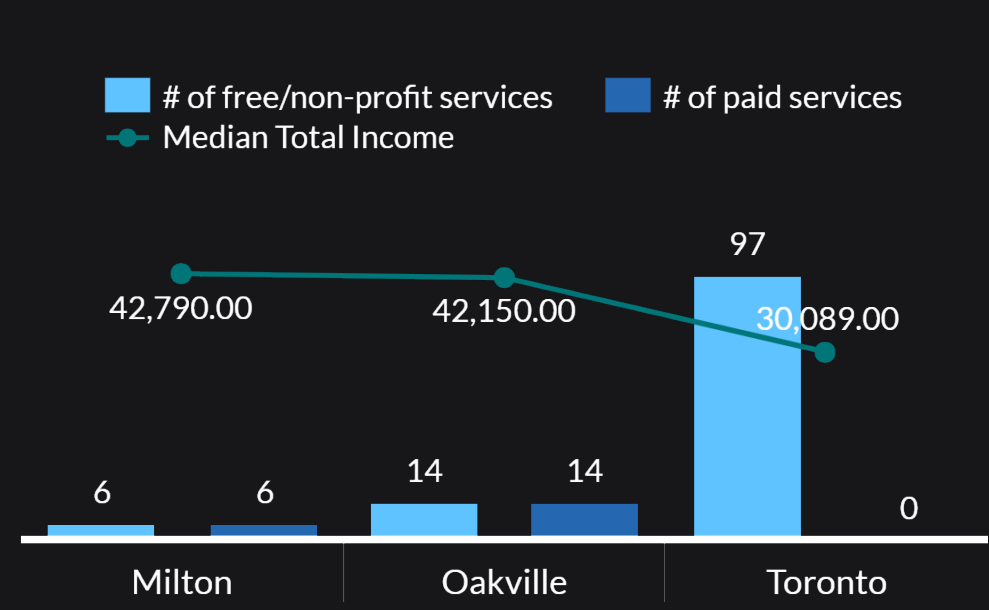
Language Popularity vs Availability in Milton



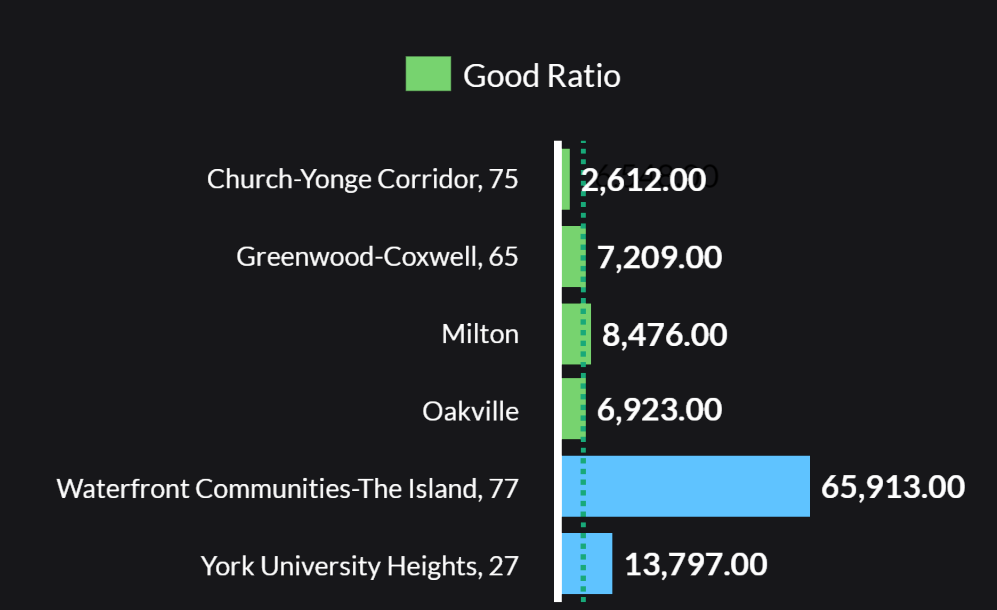
Language Popularity vs Availability in Oakville



Non-profit/free to paid services by City/Town



People to 1 clinic by place



Outcome

Conclusions

Toronto is good for:

- Non-profit/free services
- Language diversity

It could improve by:

- Building clinics in the 68% without one
- Having a better distribution with neighborhoods and age (c onsidering population size)

Limitations

- Used data from different sources and years
- Undocumented clinics
- My work has been revised only by myself
- Only quantitative data was taken into account
- Each facility is different
- A person's mother tongue is usually not a large factor in getting help
- Sample neighborhoods all had at least 1 service

Next Steps/Questions

- **How do these results change given more recent data?**
- **How does ethnicity and background affect a person's need and willingness for mental health services?**
- **What type of mental health service seems to serve our community best? (look at impact on health, average service users)**
- How important is it to have free services? Can we eliminate them from higher income areas?
- How does income affect a person's need and willingness for mental health services?
- How does the "other" data look like with a specific language breakdown?
- Which age group is in the most need of psychological aid? Compare this with population size and number of mental health facilities.
- How much more likely is a person to get mental help if the service is provided in their mother tongue language?

Credits

- OpenData Toronto for mental health services data and neighborhood profiles data (last updated 2020 and 2019)
- StatsCanada for Oakville and Milton census data (both last updated 2016)
- EMentalHealth for Oakville and Milton mental health services data (last updated 2021)

Find everything here: <https://github.com/yusrahassan737/SAP-Co-Op-2021/tree/master/Final%20Project>

Appendix

Mental Health Service Needs in Ontario -An Analysis

Exported on Wed Aug 04 2021 10:42:31 GMT-0400 (Eastern Daylight Time)

<https://sactrial-sacus10-ce9ln97no0mr6p8bwr9swiuh.us10.hanacloudservices.cloud.sap/sap/fpa/ui/tenants/7c8d4/bo/story/99480A0432EE3003AF40C9BA3CB035D6>

Research

Population vs. Number of Mental Health Services in Different Neighborhoods With Age Breakdown

Model	Dimension	Value
Mental Health Care Facilities - Copy of all data (1)	Place	Church-Yonge Corridor, 75, Greenwood-Coxwell, 65, Waterfront Communities-The Island, 77, York University Heights, 27

Language Popularity vs Availability in Mental Health Services in Toronto Neighborhoods

Model	Dimension	Value
Mental Health Care Facilities - Copy of all data (1)	Place	Church-Yonge Corridor, 75, Greenwood-Coxwell, 65, Waterfront Communities-The Island, 77, York University Heights, 27

Language Popularity vs Availability in Milton

Model	Dimension	Value
Mental Health Care Facilities - Copy of all data (1)	Place	Milton

Language Popularity vs Availability in Oakville

Model	Dimension	Value
Mental Health Care Facilities - Copy of all data (1)	Place	Oakville

Population vs. Number of Mental Health Services in Different Neighborhoods With Age Breakdown

Model	Dimension	Value
Mental Health Care Facilities - Copy of all data (1)	Place	Milton, Oakville

People to 1 clinic by language

Model	Dimension	Value
Mental Health Care Facilities - Copy of all data (1)	Place	Church-Yonge Corridor, 75, Greenwood-Coxwell, 65, Waterfront Communities-The Island, 77, York University Heights, 27

People with no knowledge of English vs non-official languages provided, Toronto

Model	Dimension	Value
Mental Health Care Facilities - Copy of all data (1)	Place	Waterfront Communities-The Island, 77, Church-Yonge Corridor, 75, Greenwood-Coxwell, 65, York University Heights, 27