



LTC Senior care Housing Analysis

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PROBLEM STATEMENT

Seniors are the fastest-growing age group in Canada. Canada is also inviting more immigrants from all over the world. This is also another factor that can contribute in the population of seniors as immigrants may be joining their families in Canada.

The population of seniors is predicted to rise to 24% by 2036. The long-term care system for seniors in Canada varies by province and territory. Some provinces and territories provide publicly funded long-term care services for seniors, while others rely more on private providers.

In general, the availability and quality of long-term care services for seniors in Canada - Ontario may be less comprehensive than in other countries and waiting lists for publicly funded long-term care services can be long. Hence there is a need to increase the overall availability of housing for seniors which considers the spectrum of health needs at an economical cost and shortened wait times.

DATA FINDINGS AND VISUALIZATIONS

Total Demand for LTC in 2023 Or
Total Number of LTC Beds required

194K

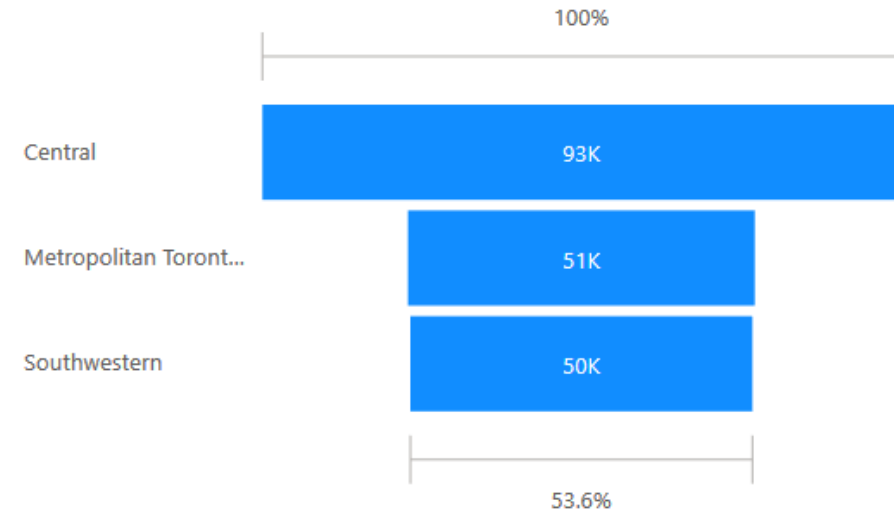
Sum of Demand

Percentage of Seniors that require
LTC in 2023

9%

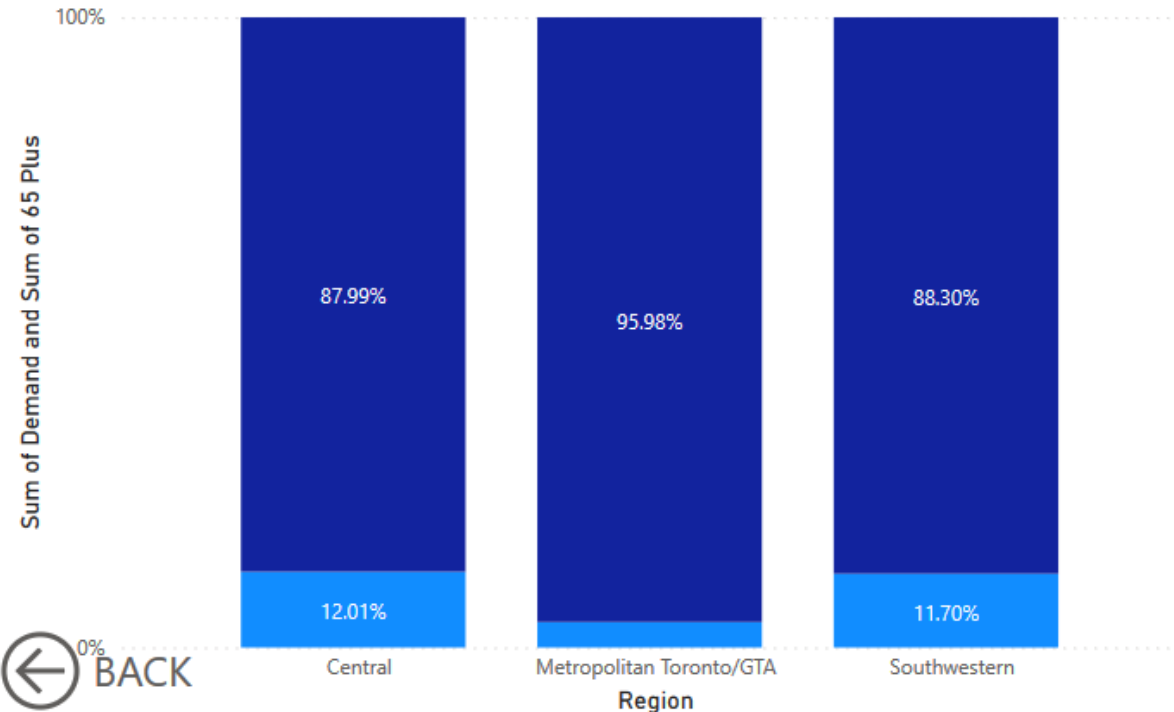
Demand divided by 65 Plus

Sum of Demand by Region



Sum of Demand and Sum of 65 Plus by Region

● Sum of Demand ● Sum of 65 Plus



Percentage of LTC
Demand satisfied in 2023

29.89%

Beds_count divided by Demand

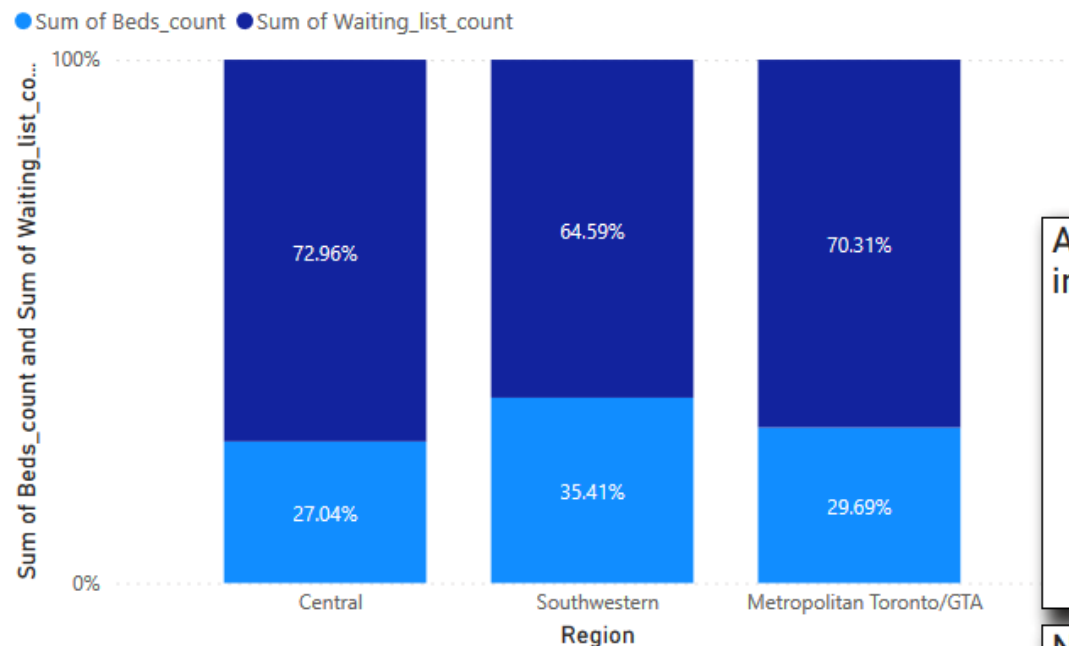
No. of LTC Beds required to be
built in 2023

136.10K

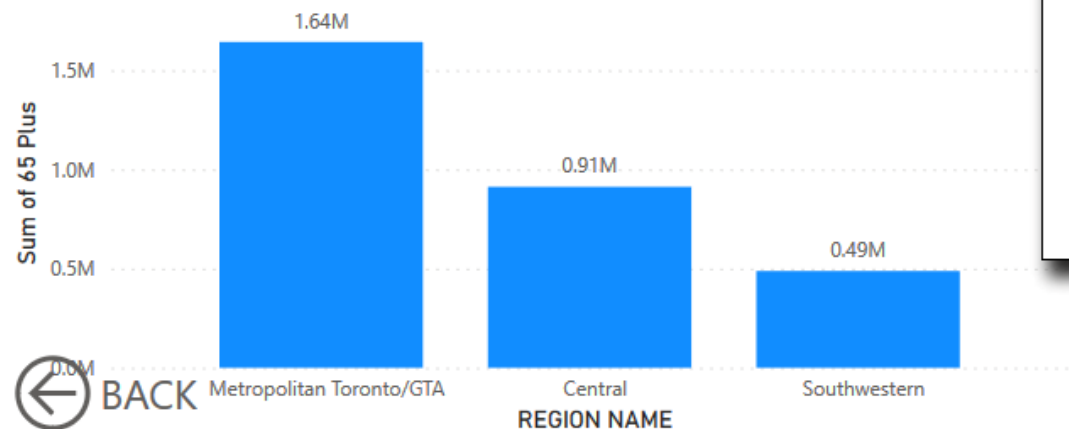
Beds_required

DATA FINDINGS AND VISUALIZATIONS

Demand for LTC satisfied by Region



Senior population by REGION in 2033



Average No. of Beds per LTC in 2023

133.70

Avg_Beds_perLTC

Number of LTC present in 2023

434

No_of_LTC_2023

Demand for LTC in 2033 | No. of seniors that require LTC beds in 2033

273.88K

Demand2033

No. of LTC Beds required to be built in 2033

191.72K

Beds_req2033

No. of LTC's required to be built in 2033

1.43K

No_of_LTC_2033

EXPLORATORY DATA ANALYSIS

Central

Metropolitan Toronto/GTA

Southwestern

18K

Sum of Resident Capacity

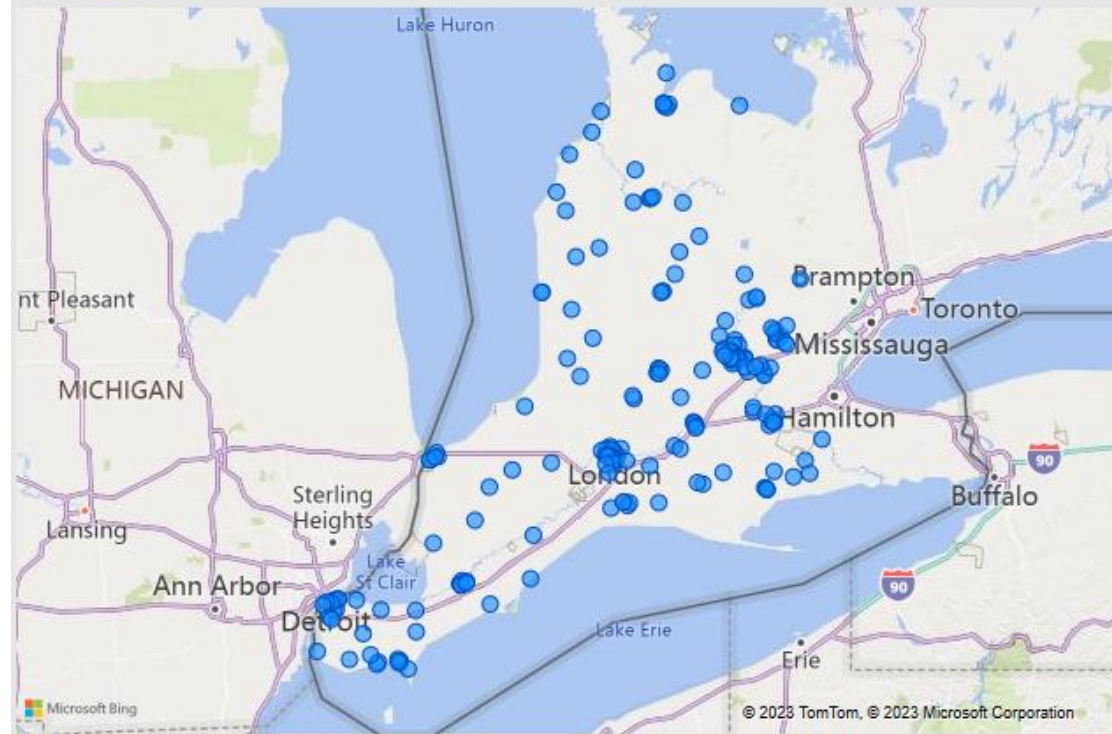
15K

Sum of Available Rooms

Distribution of Retirement Homes

across Ontario

Region ● Southwestern



Total Rooms Available & Resident Capacity

by Region



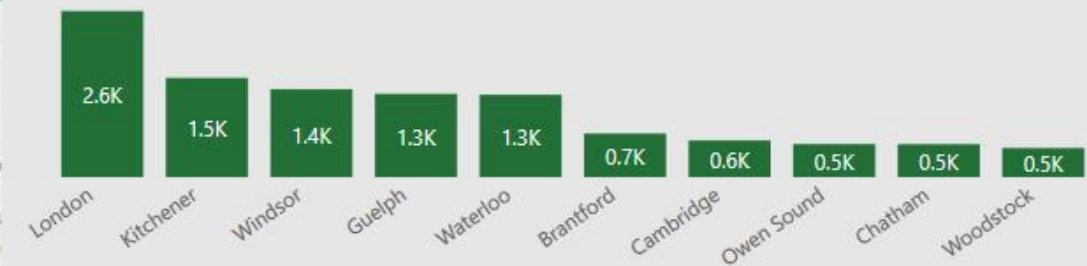
Top 5 Retirement homes

with highest Resident capacity



Top 5 Cities

with High Resident Capacity



DATA FINDINGS AND VISUALIZATIONS

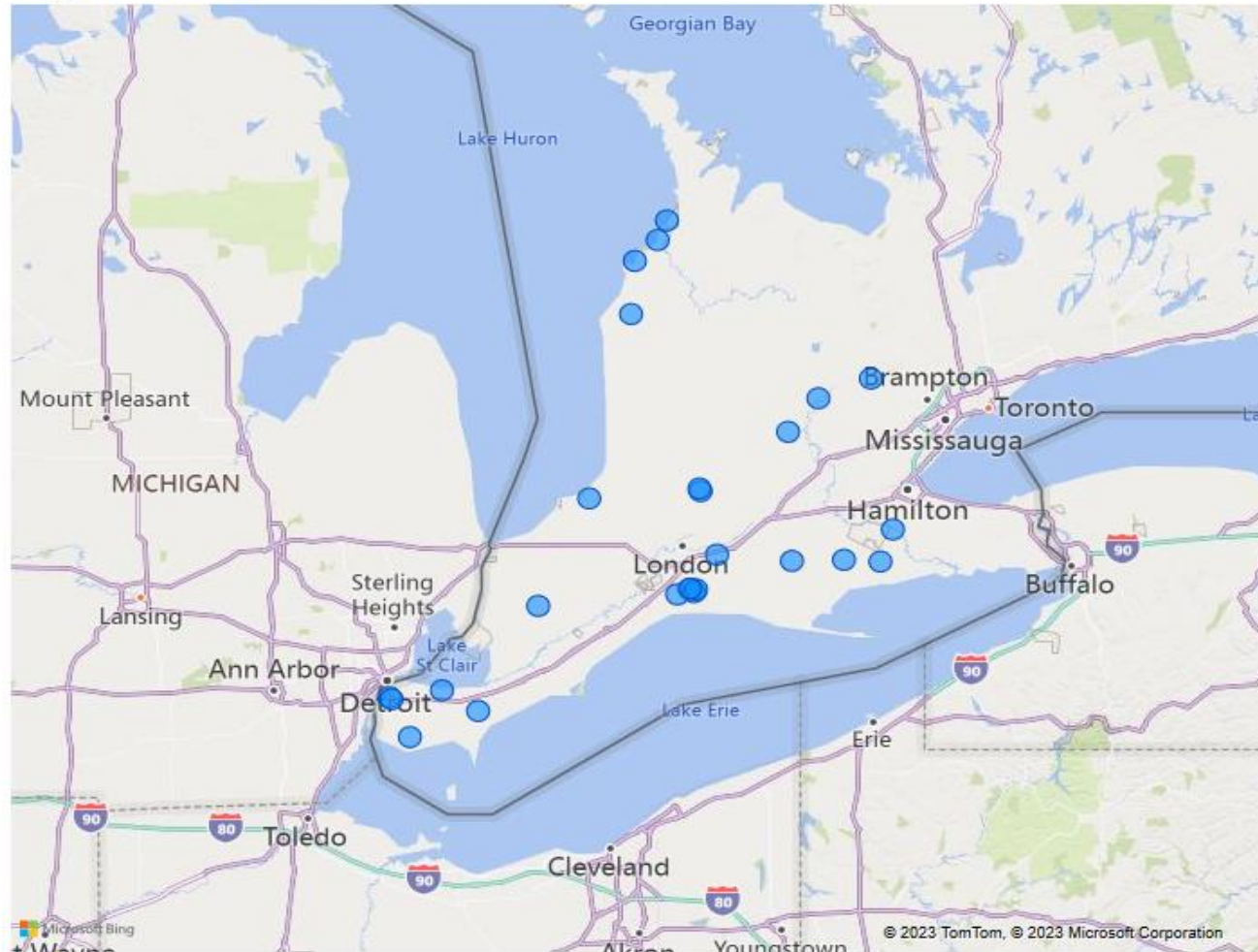
Central

Metropolitan Toronto/GTA

Southwestern

Cities with no LTC homes

Region ● Southwestern



City	Population(2021)	No. of Seniors that Demand For LTC
Belle River	40410	3637
Caledonia	12179	1096
Dorchester	4355	392
Dresden	2401	216
Elora	31093	2798
Erin	11981	1078
Harrow	2562	231
Jarvis	1214	109
LaSalle	32721	2945
Norwich	11151	1004
Port Elgin	9619	866
Ripley	7723	695
Southampton	3678	331
St. Jacobs	1959	176
St. Marys	7386	665
St. Thomas	42840	3856
Thedford	842	76

SUMMARY OF CURRENT FINDINGS

From the population spread across Ontario , the current stats for the year 2022 says that the percentage of Seniors is around 18% among the total population and the predictions of the population growth in Seniors for the next decade has doubled to that of 2022 resulting in above 100% rise, which also creates a need for expansion in senior services department of Ontario.

The number of beds available in LTC to the wait-list numbers ratio is evidently low, hence proving the demand for LTC homes is higher than the available beds the ministry of LTC has to offer.

In the senior population prediction till the year 2046, we see that there is an exponential growth in the number of seniors in the future. We see a region-wise split for the same, in which the population of GTA and Central has the highest numbers and steeper rise compared to the other regions.

In terms of bed count and resident capacity, private housing and retirement homes are primarily distributed throughout southwest Ontario, with major cities like Ottawa, Toronto etc having much higher numbers.

SUMMARY OF CURRENT FINDINGS

- Across all areas, Central Ontario has the biggest waiting lists, about double that of the other two regions, implying that Central Ontario requires the most LTC in contrast to the other regions.
- We can infer from our cost comparison of LTC house and Retirement housing that Retirement home is 34% more expensive than LTC home. As a result, for the benefit of seniors, we must construct more LTC homes than retirement homes.
- For LTC demand 2023, we may conclude that 9% of seniors require LTC home across all areas, and 30% of total LTC demand will be met by this year.
- For LTC demand 2033, we estimate that demand will rise by 41.23% (273K) of the current demand which is 194K in 2023
- For satisfying the need of 9% Seniors who need LTC, we need to build 300% more LTC by 2033, i.e. 1.43K LTC by 2033
- For the next decade, the Metropolitan Toronto/GTA region will have the most Seniors, which is 80% more than the central region and 234% more than the southwest region. As a result, we may assume that the GTA area will have the most LTC homes in the coming decade.

REFERENCES

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Thank you...

