

# The Ontario Community Health Profiles Partnership Project: Using Health & Socio- Demographic Data for Planning

Presentation for  
Ontario Health Central Region November 14, 2024

**MAP** Centre for  
Urban Health  
Solutions

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# Welcome and Introductions

1. Welcome by Ontario Health Central Region Team
2. Introductions – Ontario Health Central (OH Central) & Ontario Community Health Profiles Partnership (OCHPP) Teams

3. Today's Presenters:

Xun Wang, Lead, Performance, Accountability & Funding Allocation, Ontario Health Central Region

Peter Gozdyra, Medical Geographer, ICES, OCHPP

Gary Moloney, GIS-Specialist, OCHPP

Anne-Marie Tynan, Research Manager, OCHPP

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# Outline of Today's Presentation

1. What is the Ontario Community Health Profiles Partnership (OCHPP)?
2. OCHPP and OH Central: Collaboration & Development of Local Areas
3. Where does OCHPP get our data and how do we link “people/where you live” to “health outcomes?”
4. Using Local Areas (LAs) vs Forward Sortation Areas (FSAs)
5. Case studies: Mississauga and Brampton: Examples and Differences between use of Local Areas vs FSAs
6. Website & Custom Geography Tool overview

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# What is the OCHPP Project: Background + Stats

- Public website established in 2005 to post data and allow free access
- Average number of monthly visits: 1800
- Total # of partners & collaborators: 17
- Total # of local areas/neighbourhoods reported on: 633+
- % of Ontario's population covered: 71%

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## Overall Goal of OCHPP

*The Ontario Community Health Profiles Partnership (OCHPP) makes high-quality, area-specific, health-related data available to everyone.*

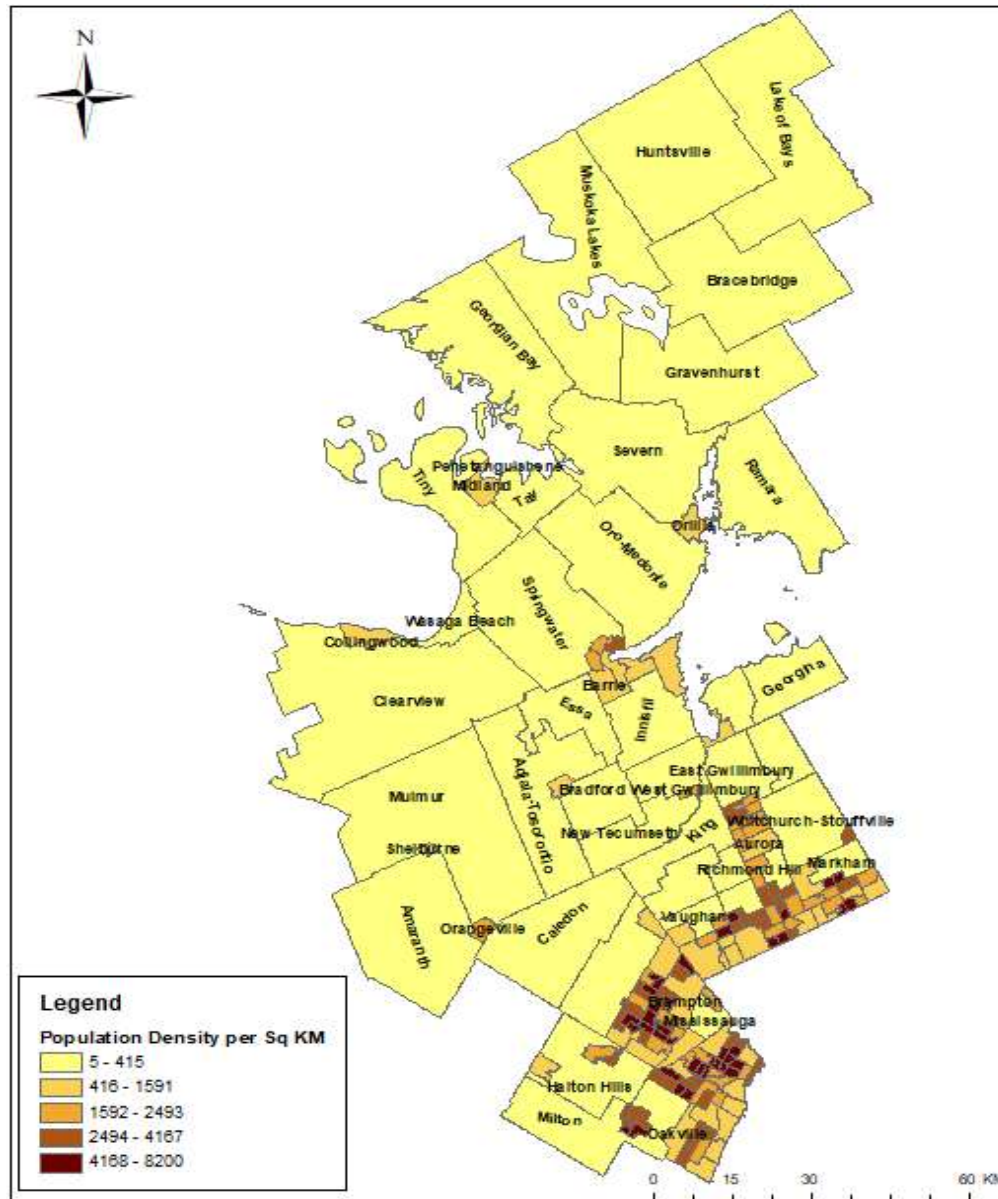
*We do this through our open-access website and free health maps as well as partnerships with health-care and social-service organizations.*

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# OH Central and OCHPP Collaboration

- In 2022 a collaborative project was established between OH Central and OCHPP to create a set of Local Areas (LAs) within OH Central to support more targeted planning.
- OCHPP and OH Central teams collaborated to create 194 new LAs covering the area of OH Central Region.
- The 194 LAs span 43 municipalities in OH Central Region and include approximately 3.7 million people.

# Central Region Local Area Map



# Criteria Used for Creation of Local Areas

1

New areas built up from DAs.

2

Total population (minimum around 7,000 (with a few exceptions) and maximum around 30,000).

3

Aligning with other types of geographic boundaries: census (CSD, ADA, DA), Public Health Units, Sub-region, Simcoe EDIs where possible.

4

Similar characteristics of built-up areas.

5

Natural and man-made features, boundaries, or barriers that may lead to natural splits within the area (e.g. green spaces, rivers and ravines, highways, railway tracks).

6

Regular and compact shape.

7

Historical identity of regions, historical neighbourhoods.

8

Similarity of the Material Deprivation of dimension the 2016 Ontario Marginalization Index.



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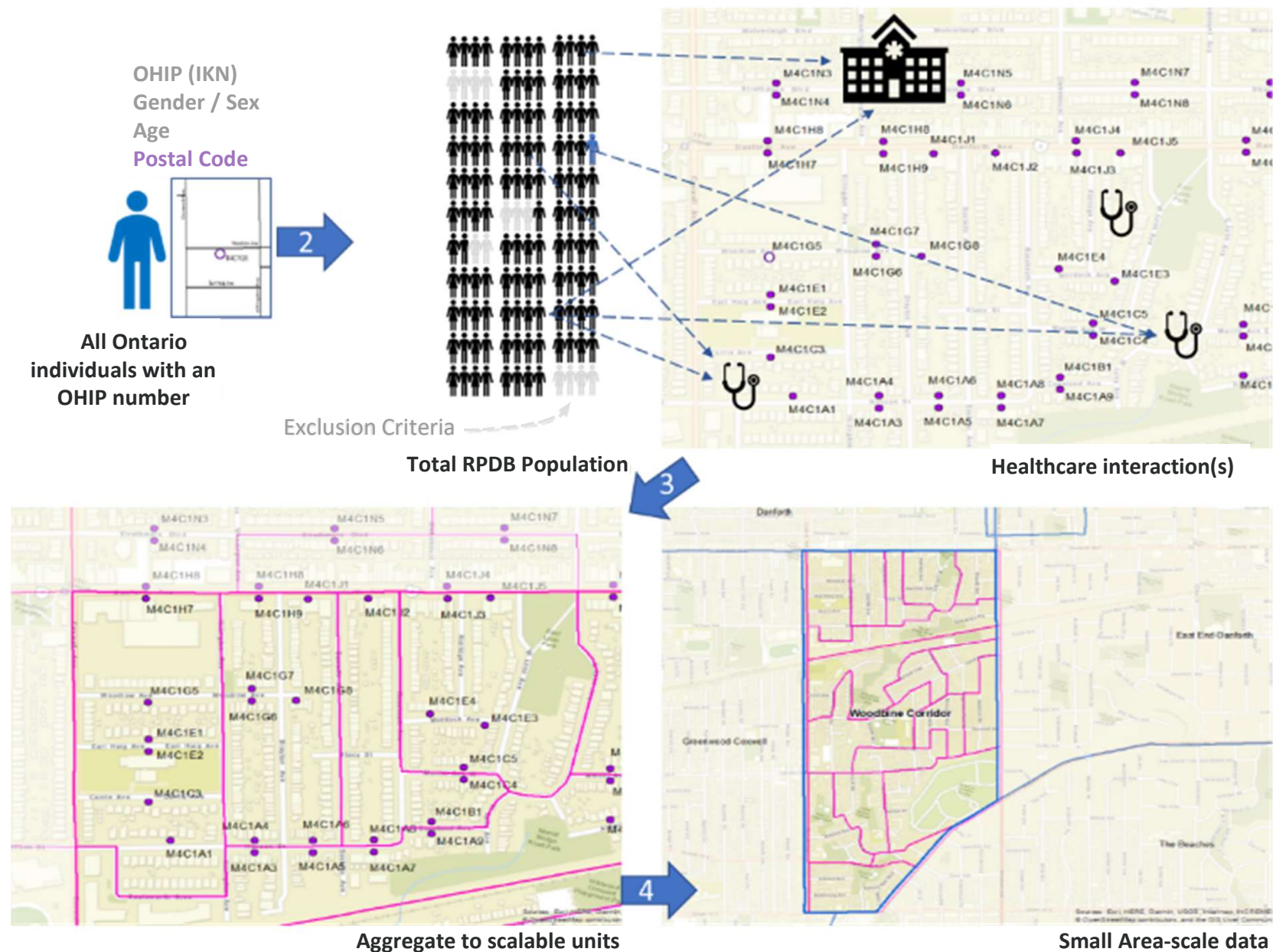
# Where Do We Get Our Data? Data Sources

Indicator:	<b>Health</b>	<b>Socio-Demographic</b>
Source:	ICES <i>(through a partnership)</i>	Statistics Canada <i>(open source)</i>
Origin:	Health databases	Census of Population
Data Set(s):	Registered Persons Database <i>(your health card)</i> + other data sets	Census variables

## Other data sources

- ConnexOntario - alcohol and gambling-related data
- Partner-shared data such as surveys

# Linking a “Person To A Local Area”- Population Source



# Linking a “Person To An FSA”- Population Source

	Postal Code	FSA
1	L6Z1L8	L6Z
2	L6Z1L9	L6Z
3	L6Z2P7	L6Z
4	L6Z3S5	L6Z
5	L6Z3S8	L6Z
6	L6Z1H8	L6Z
7	L6Z2R8	L6Z
8	L6Z2Y7	L6Z
9	L6Z2Z4	L6Z
10	L6Z3C9	L6Z
11	L6Z3G3	L6Z

OHIP (IKN)  
Gender / Sex  
Age  
Postal Code



All Ontario individuals with an OHIP number

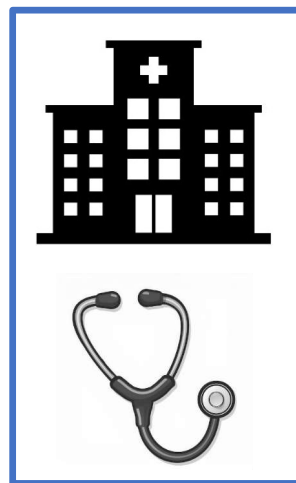


Exclusion Criteria

Total RPDB Population

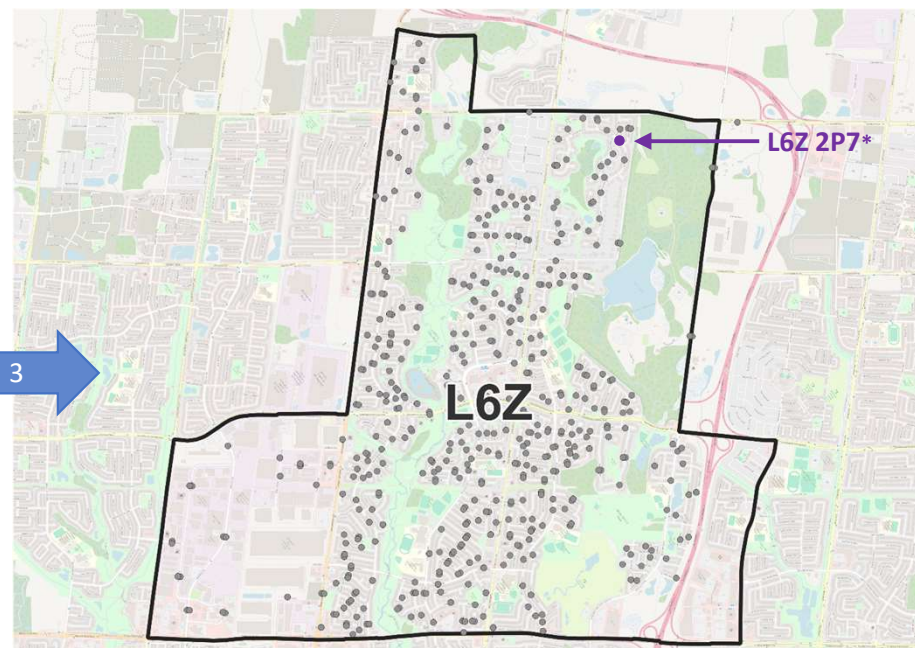
2b

2a



Healthcare Interaction(s)

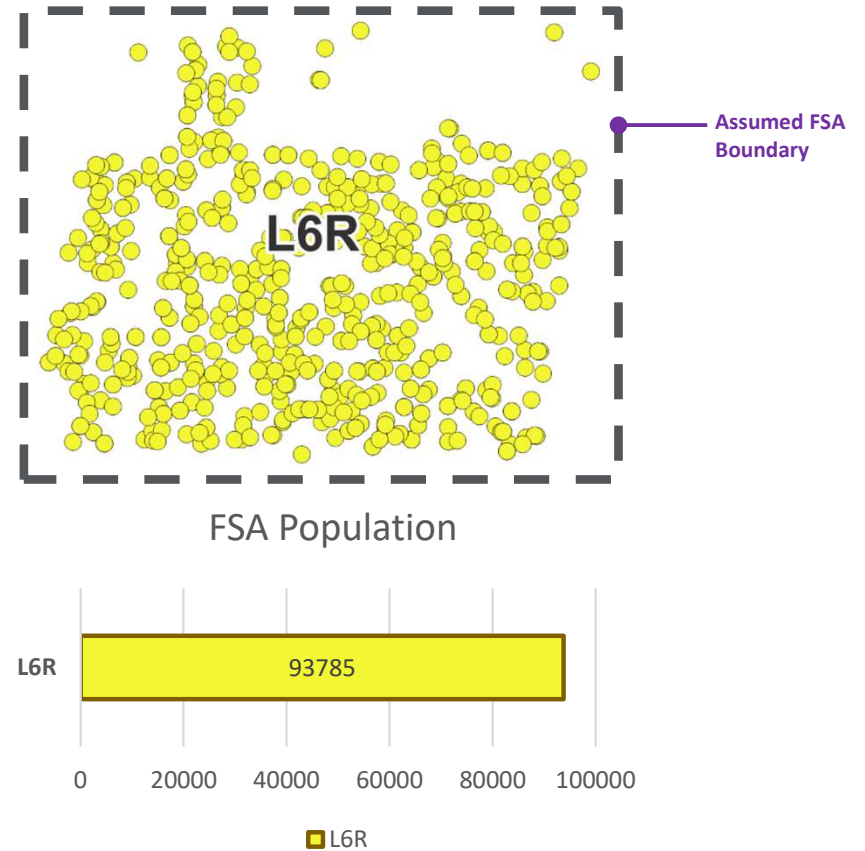
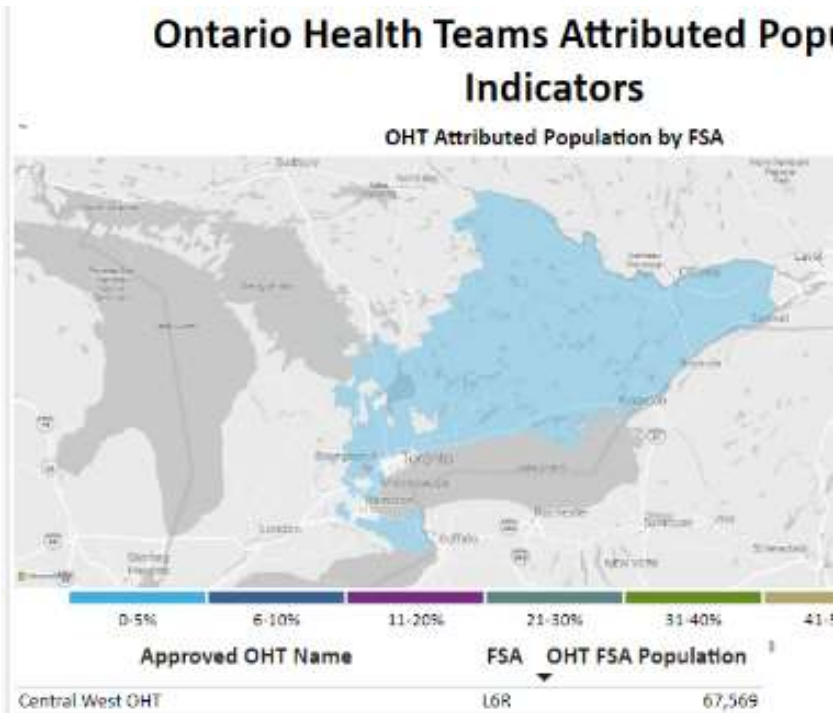
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○ 6-Character Postal Code

\* For illustration only.  
Not actual location.

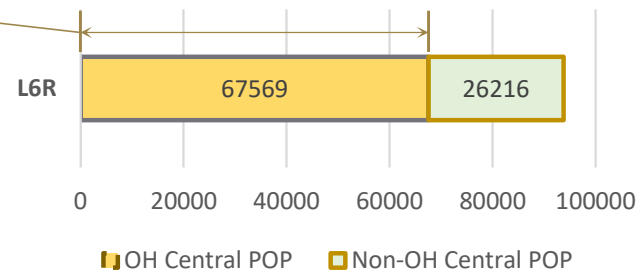
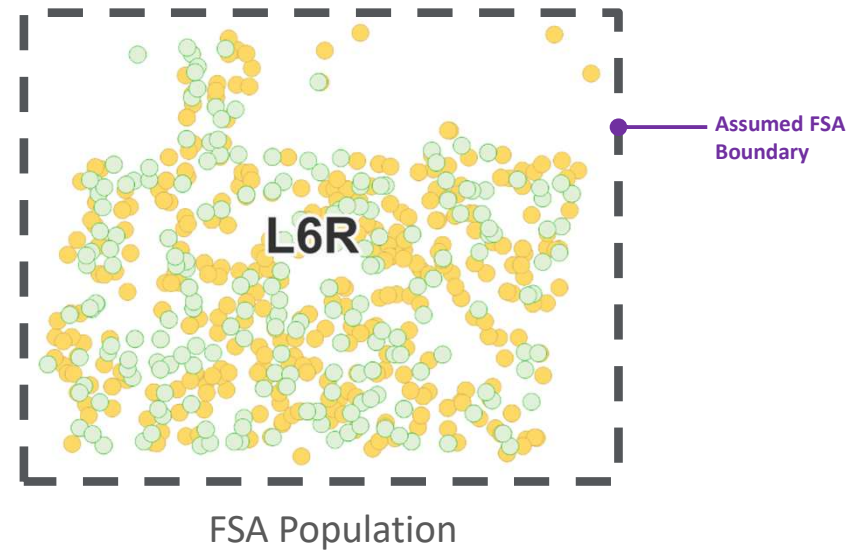
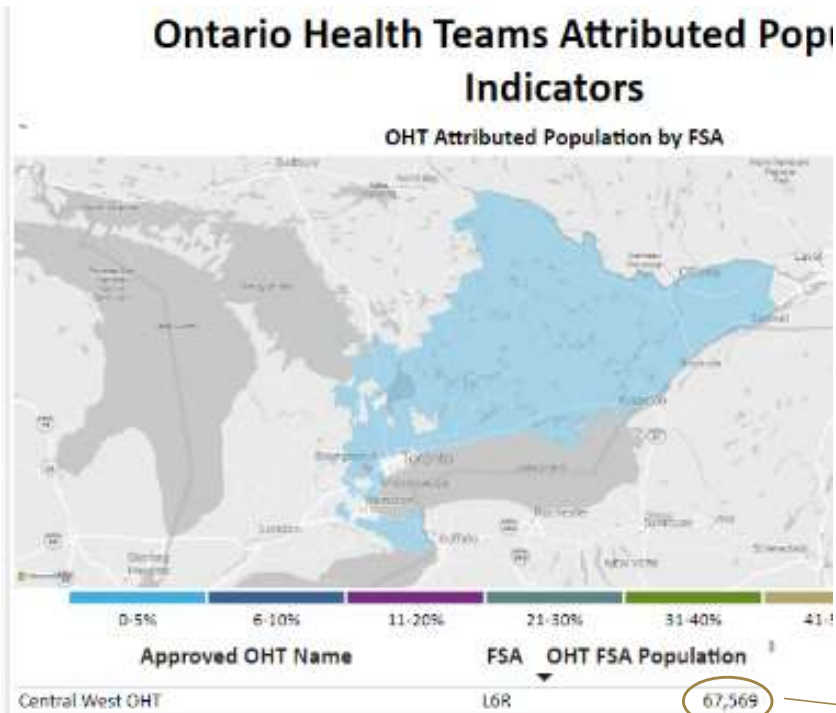
# Considerations – Working With FSA Data (1)



○ 6-Character Postal Code

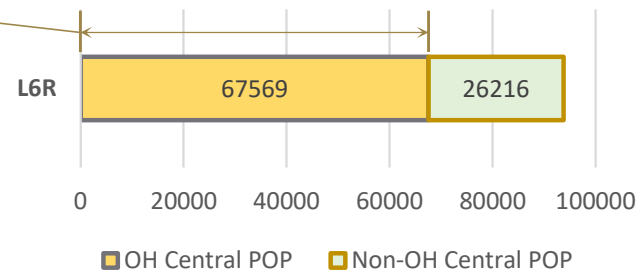
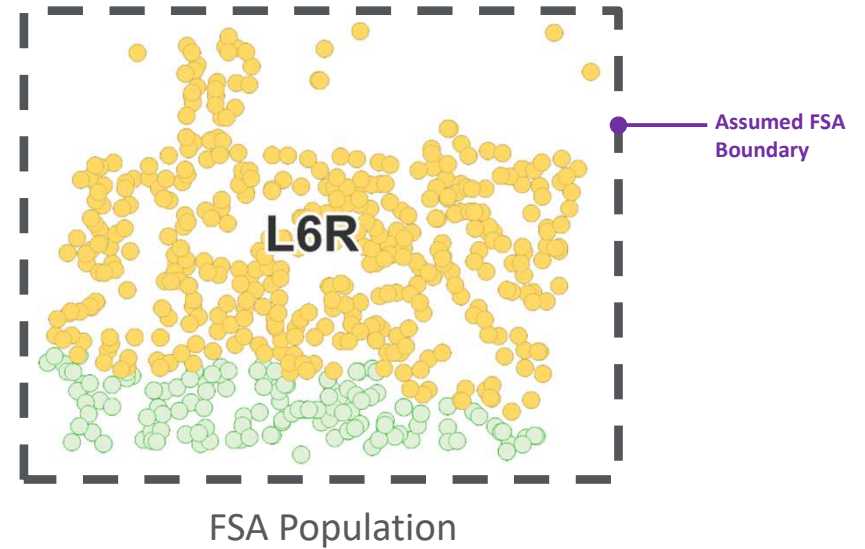
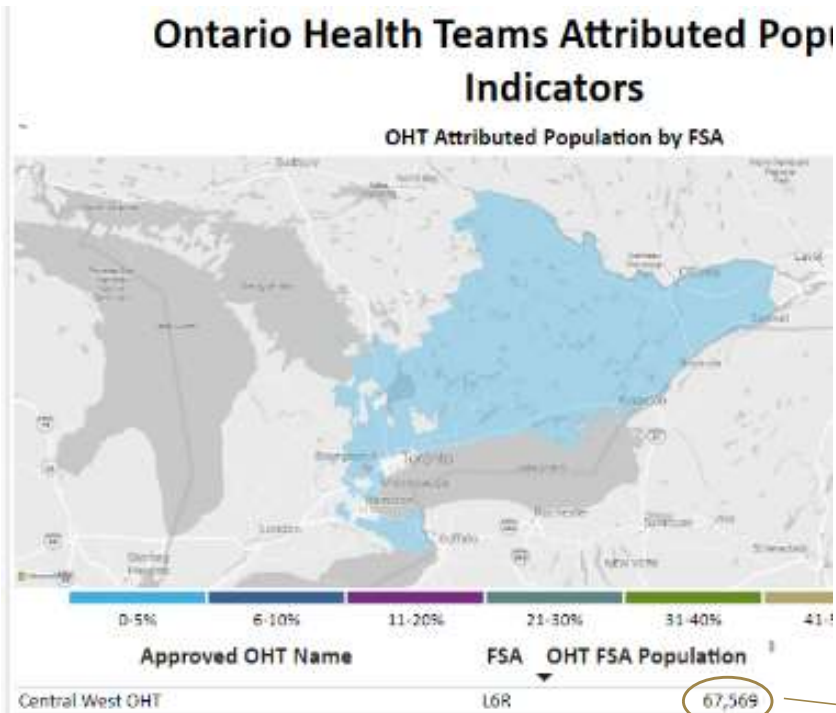


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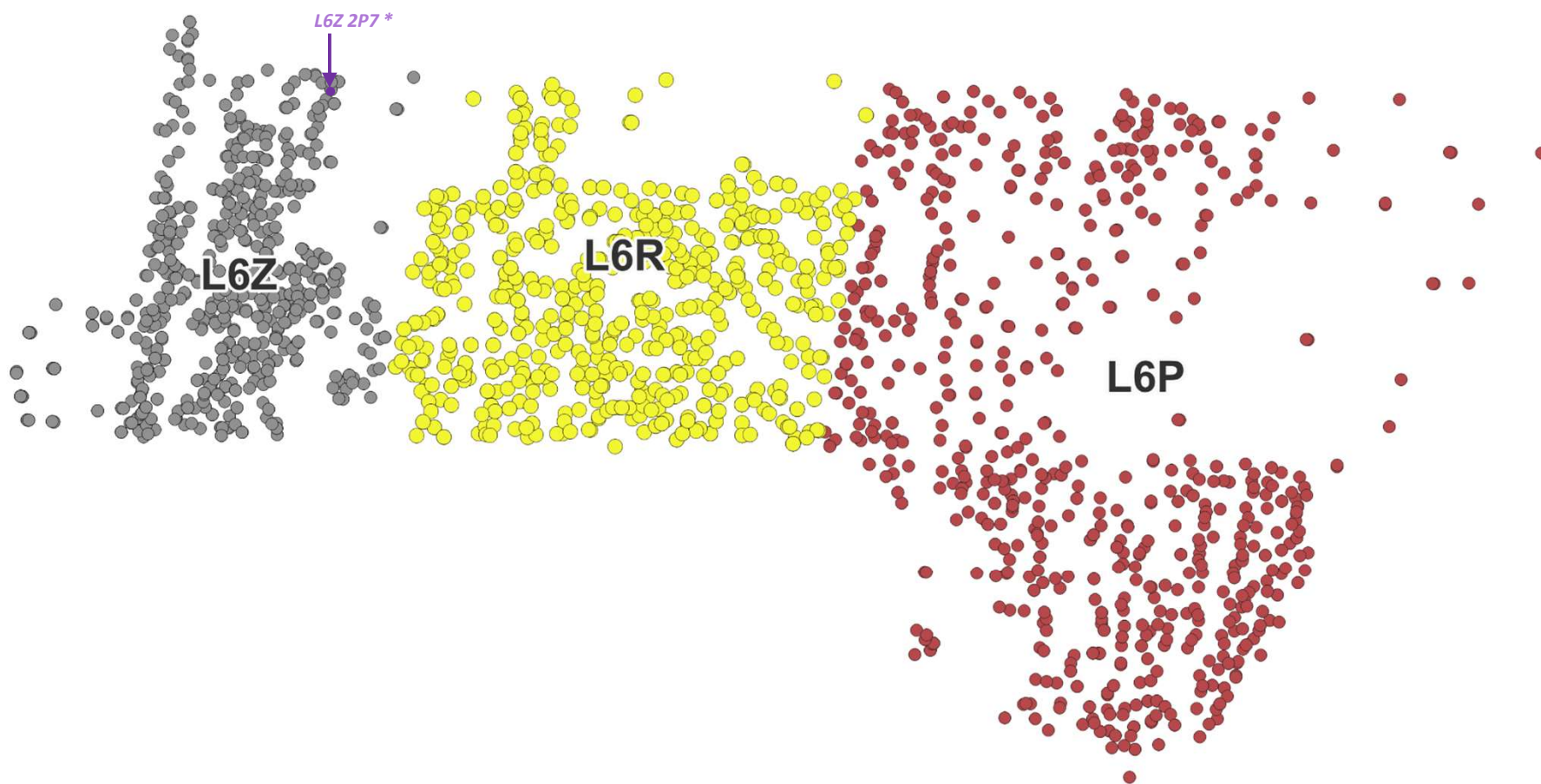
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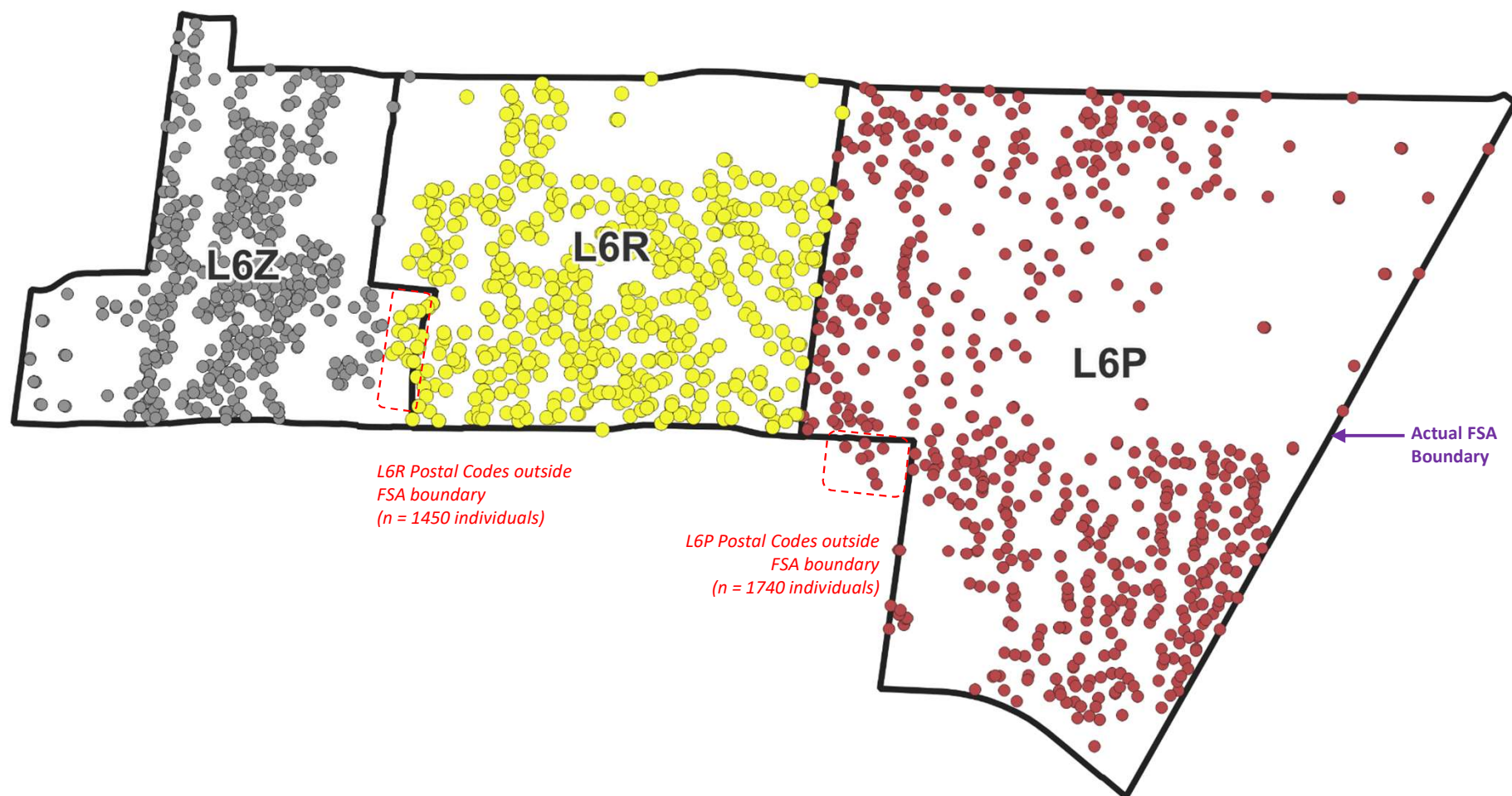
# Considerations – Working With FSA Data (2)



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Not actual location.*

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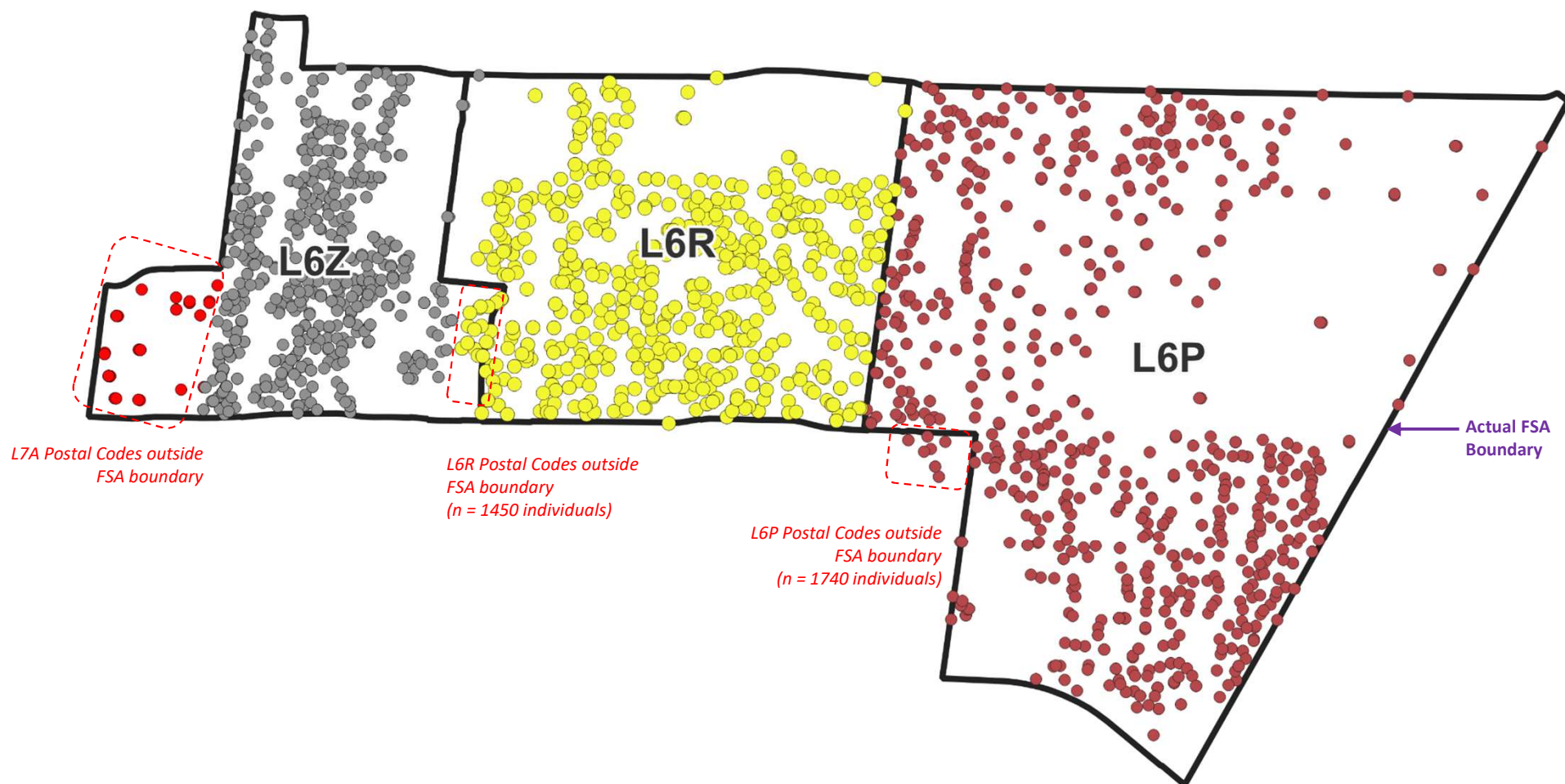
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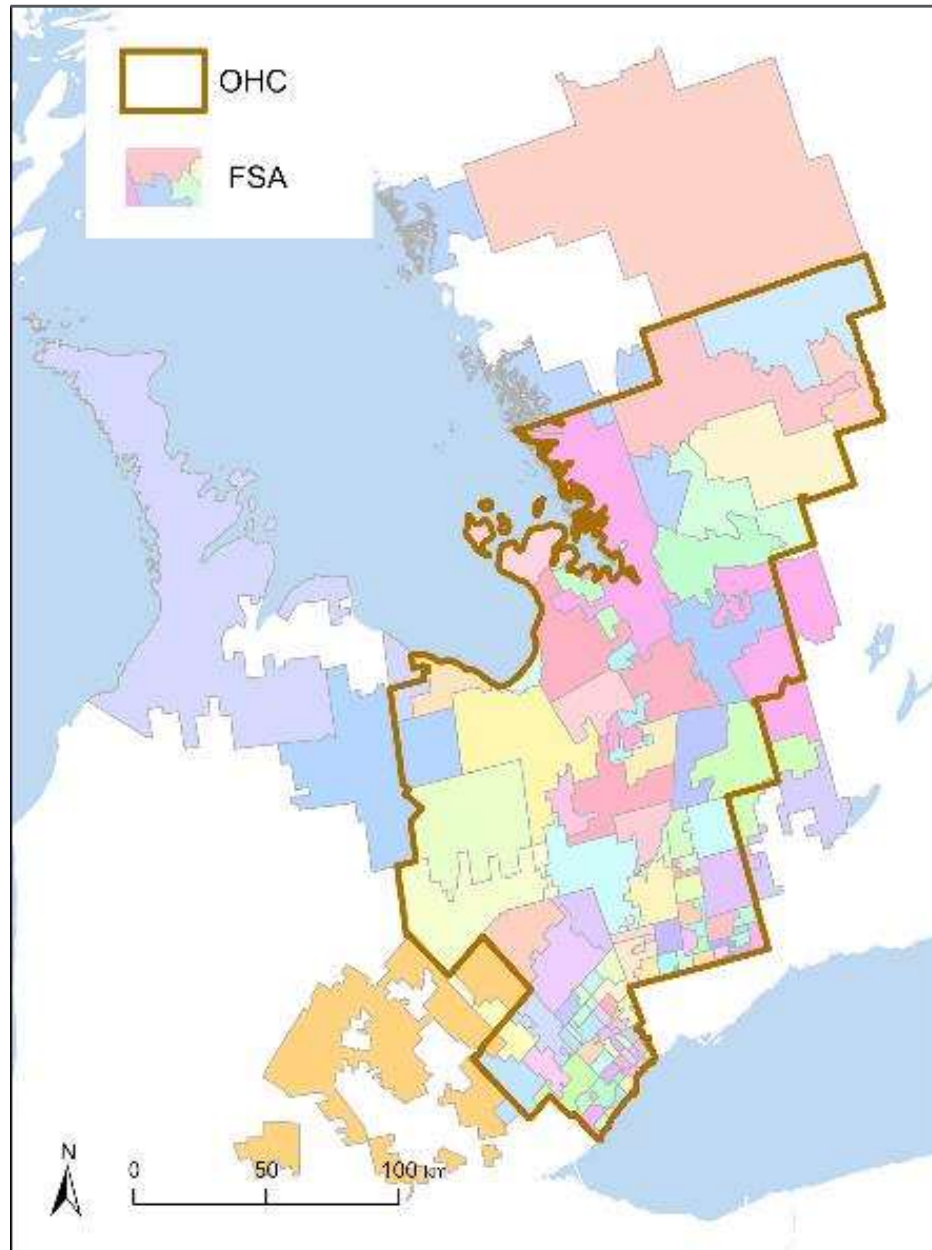
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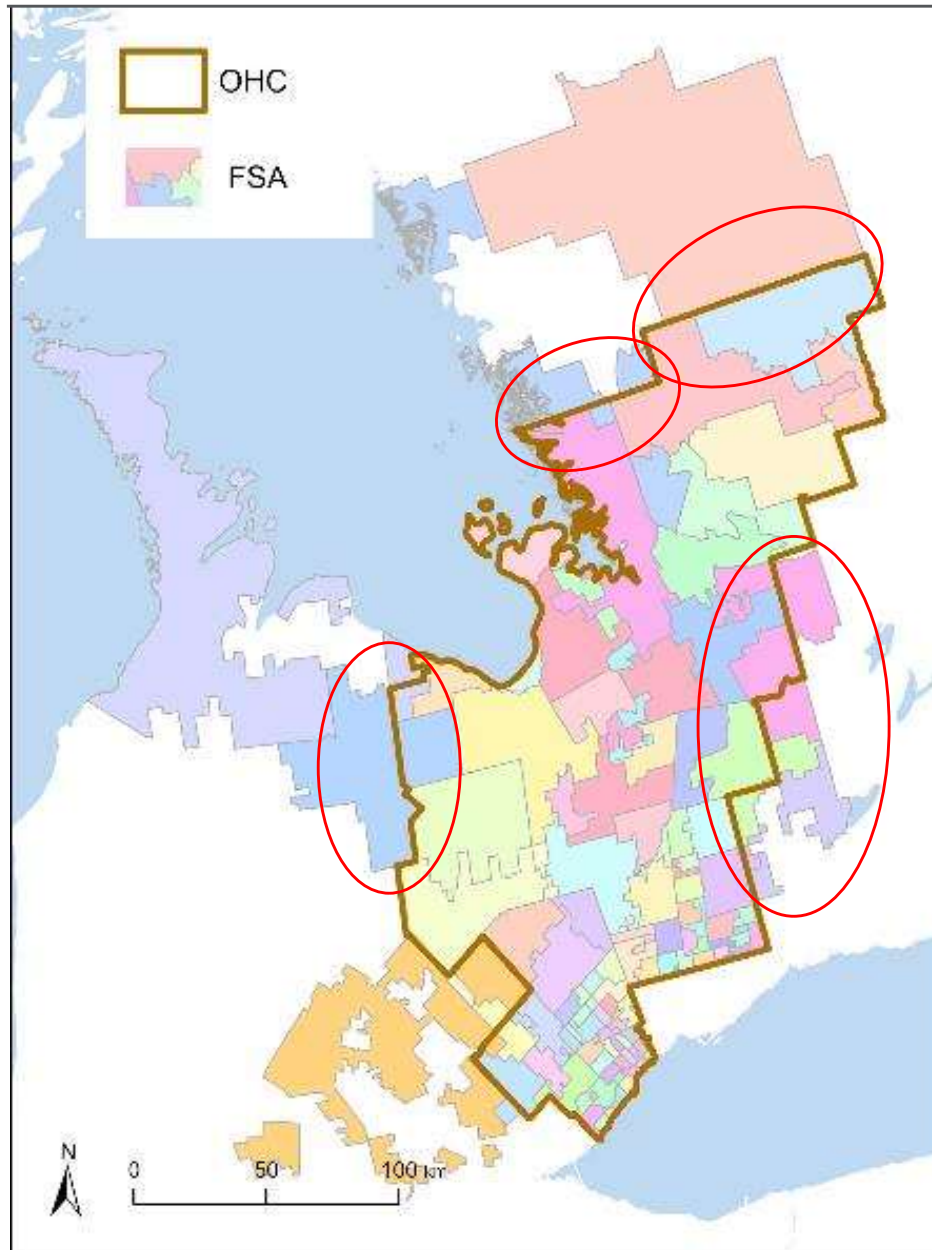
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# Alignment of FSAs Within OH Central

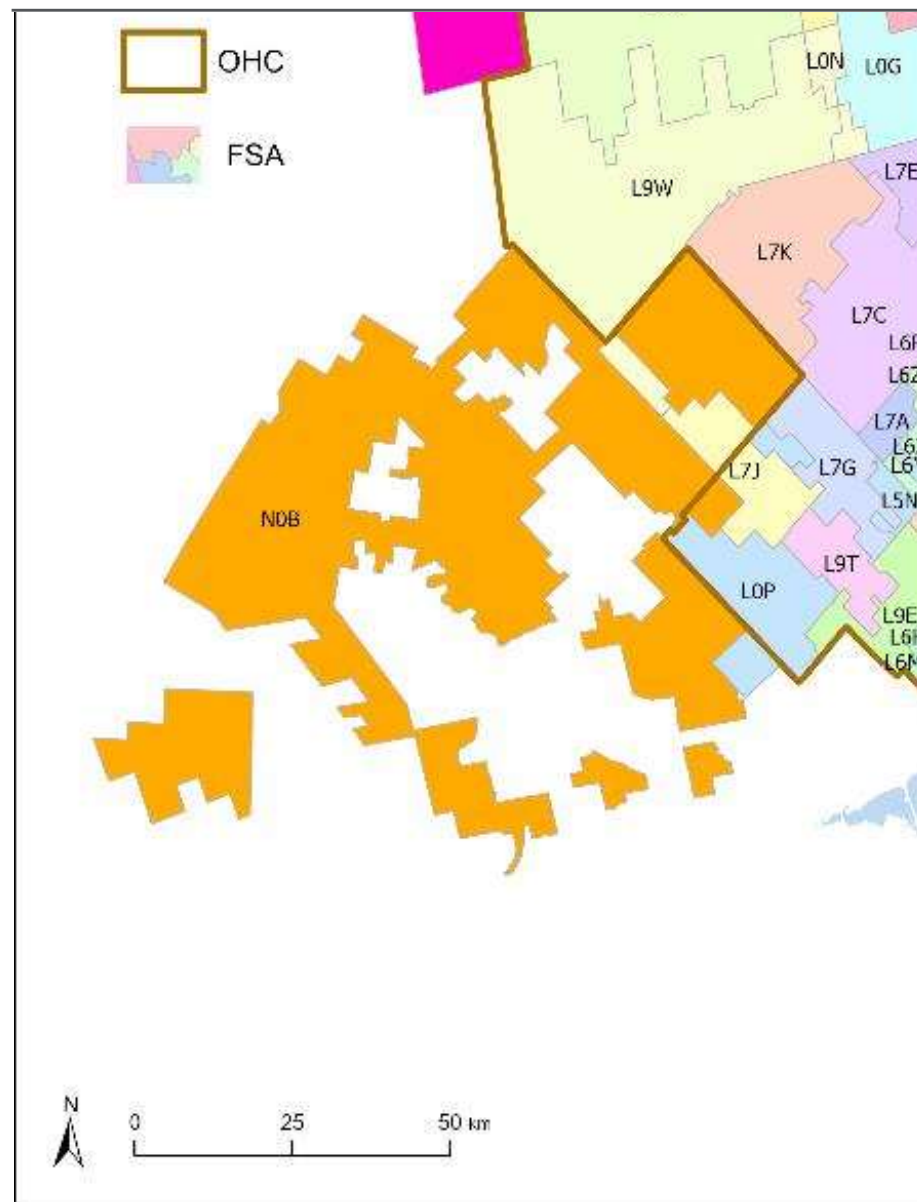
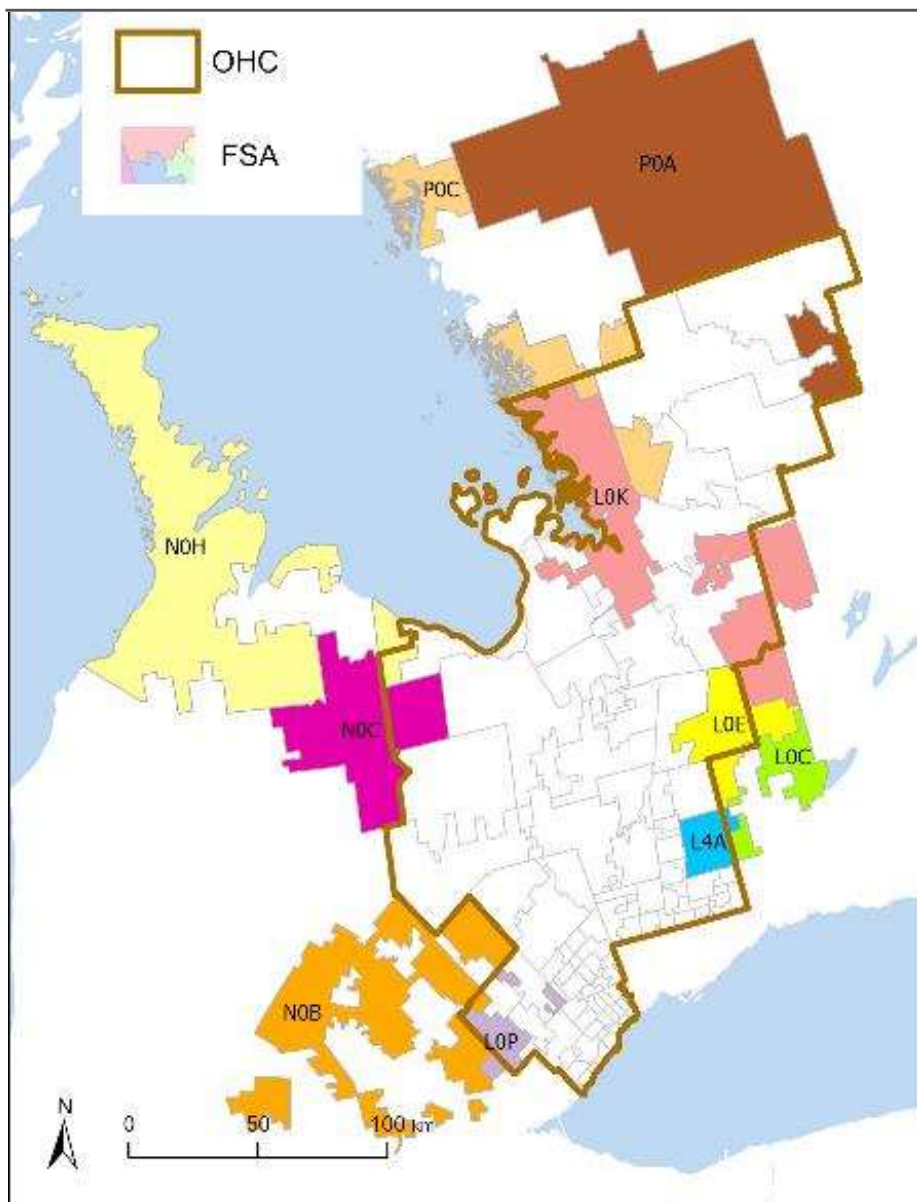


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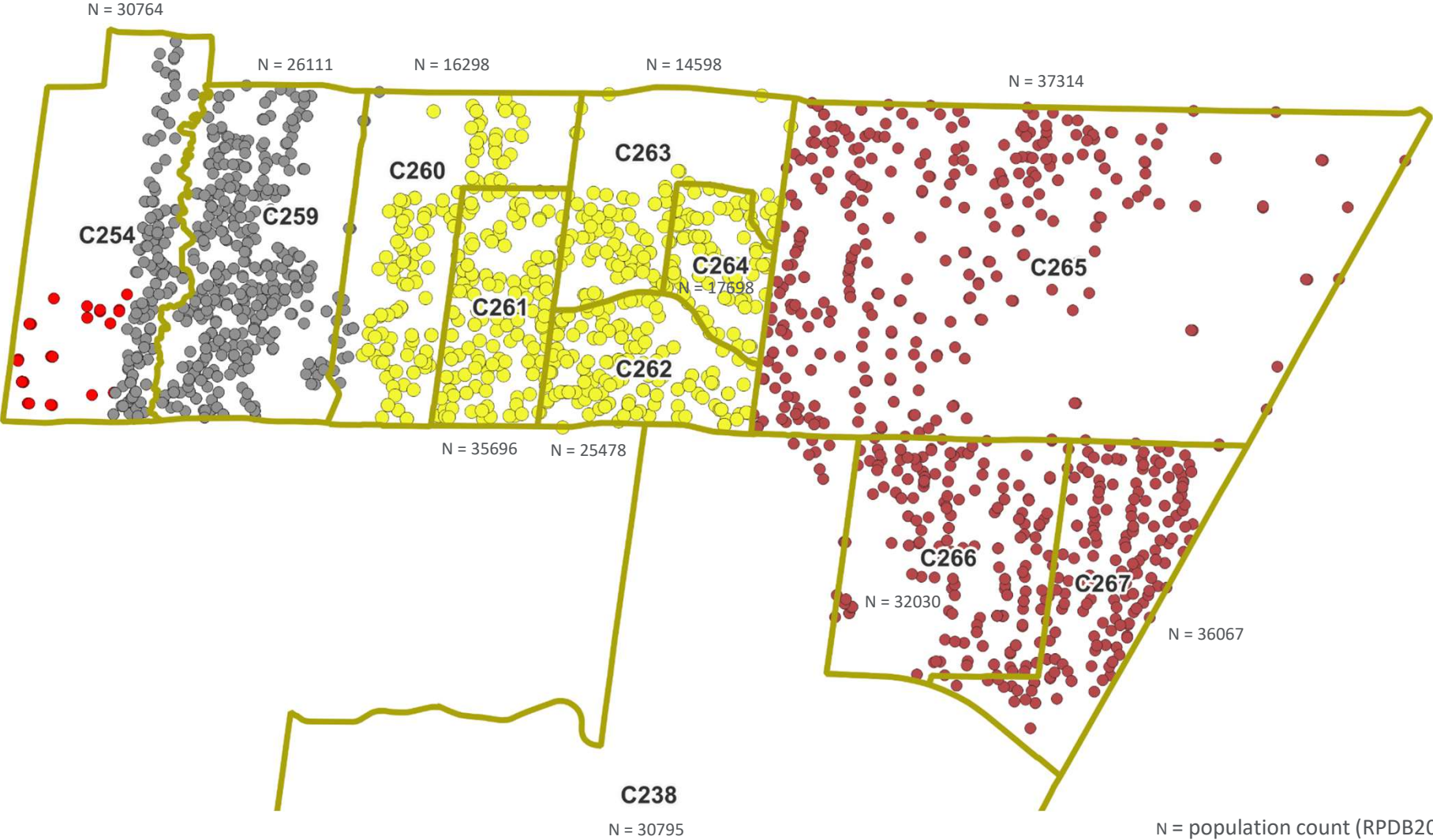




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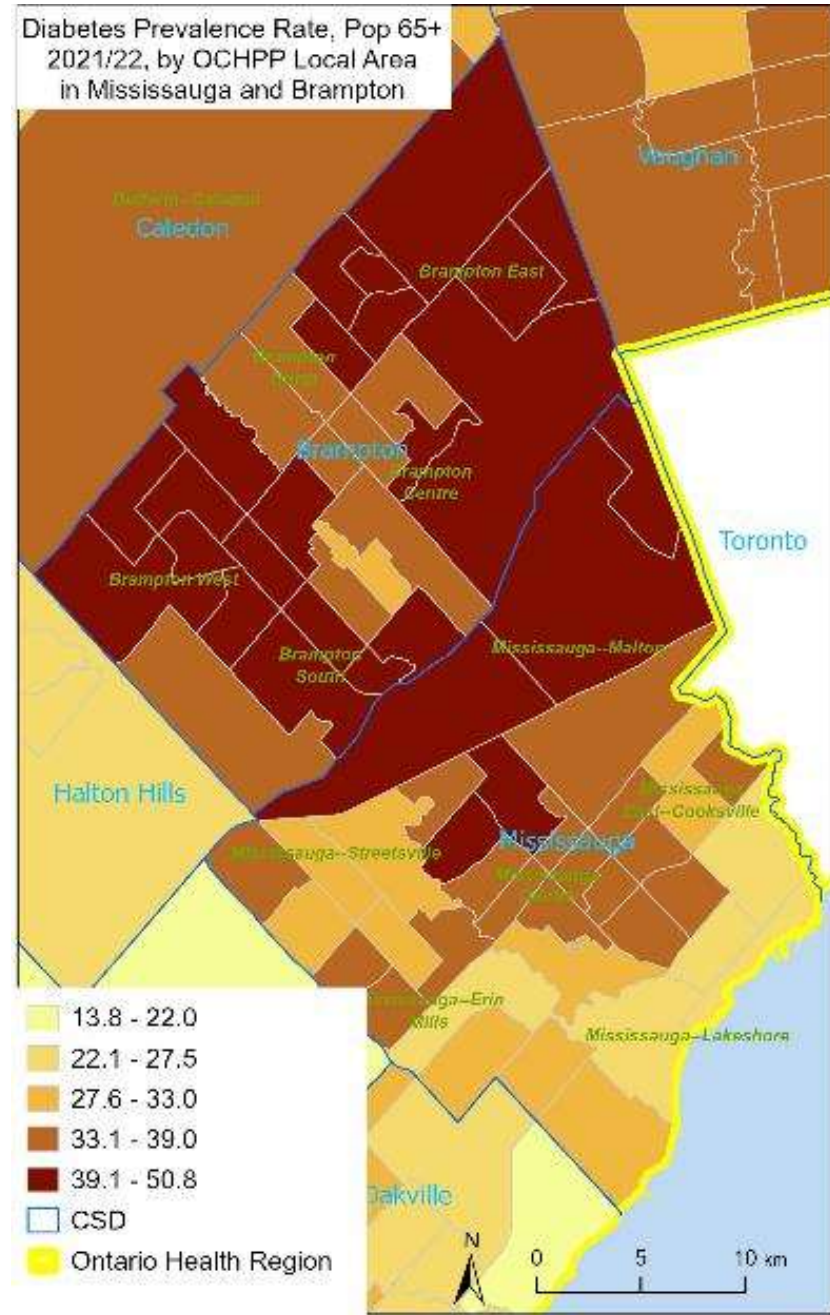
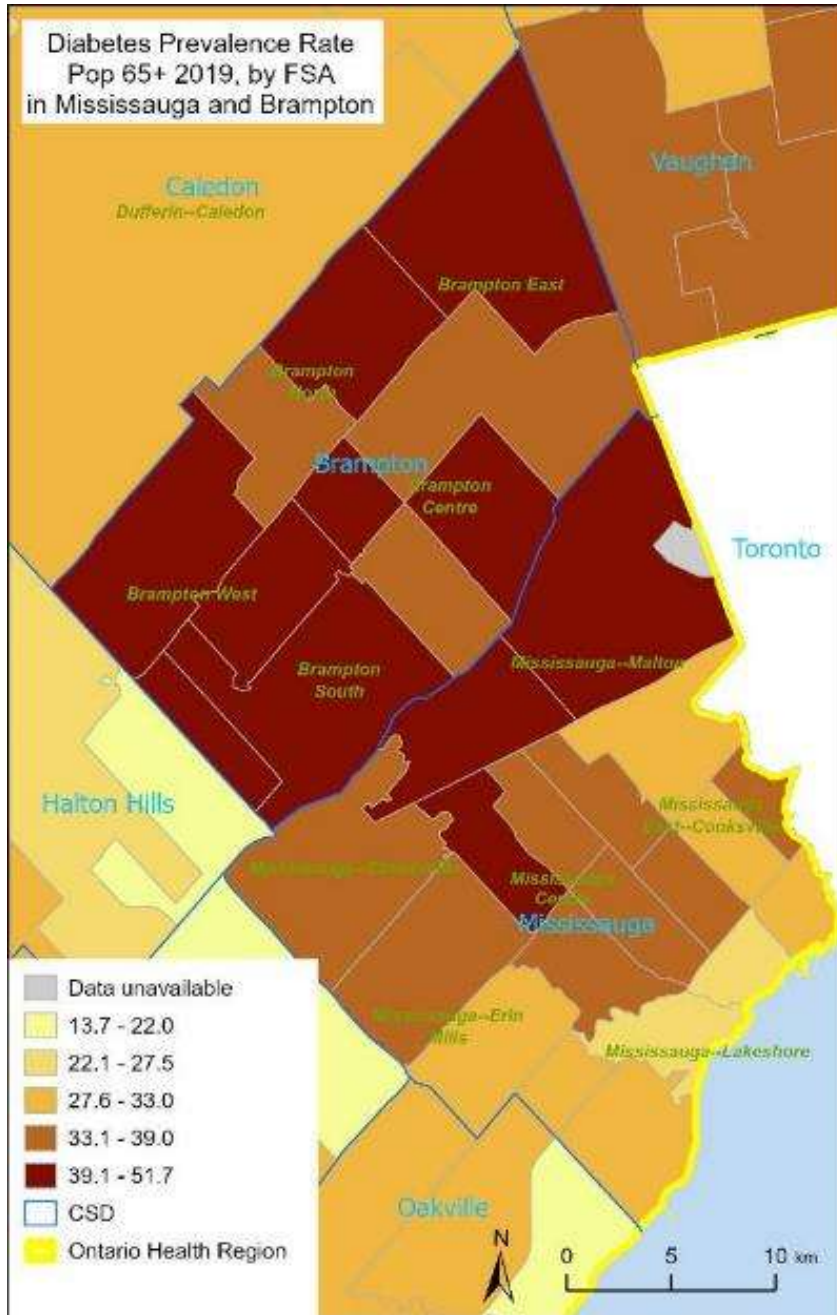


# Local Area Assignments Remove FSA Ambiguity

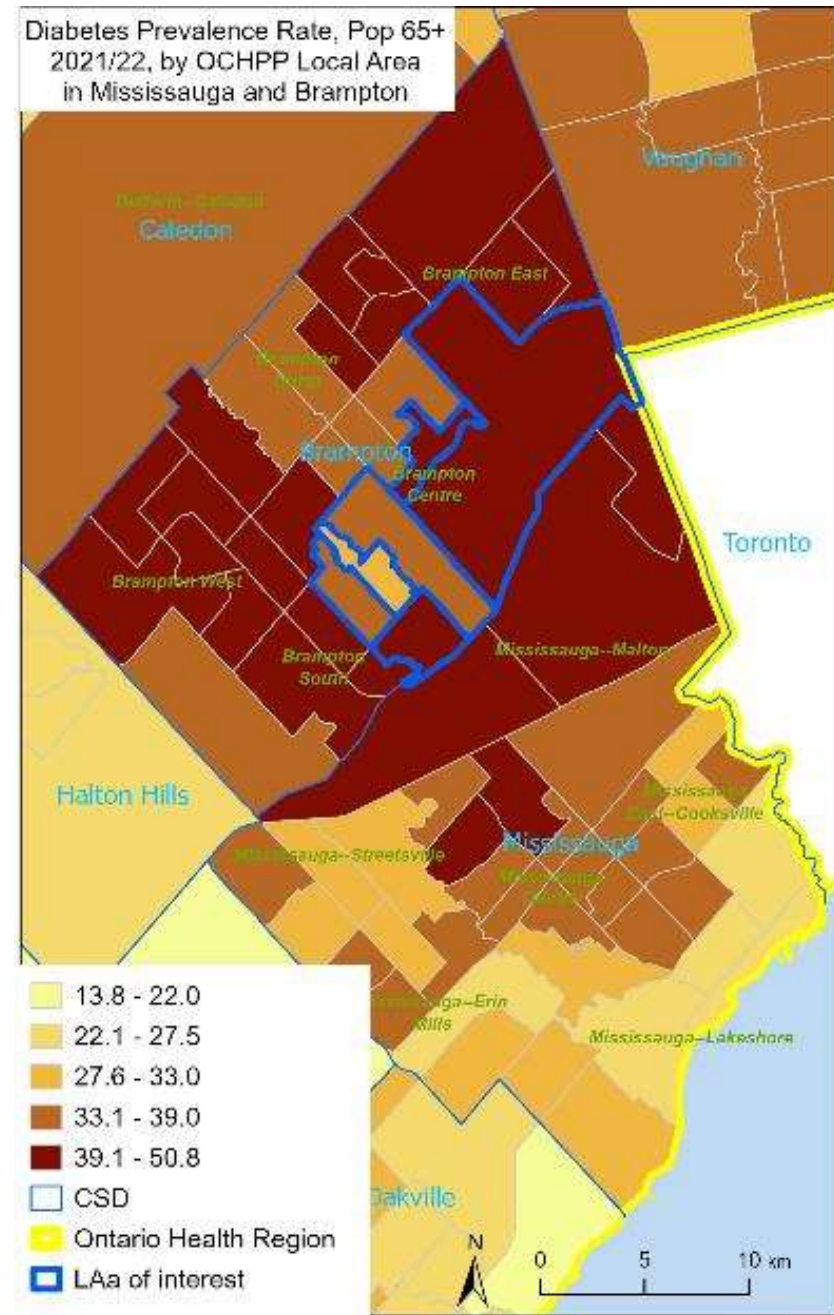
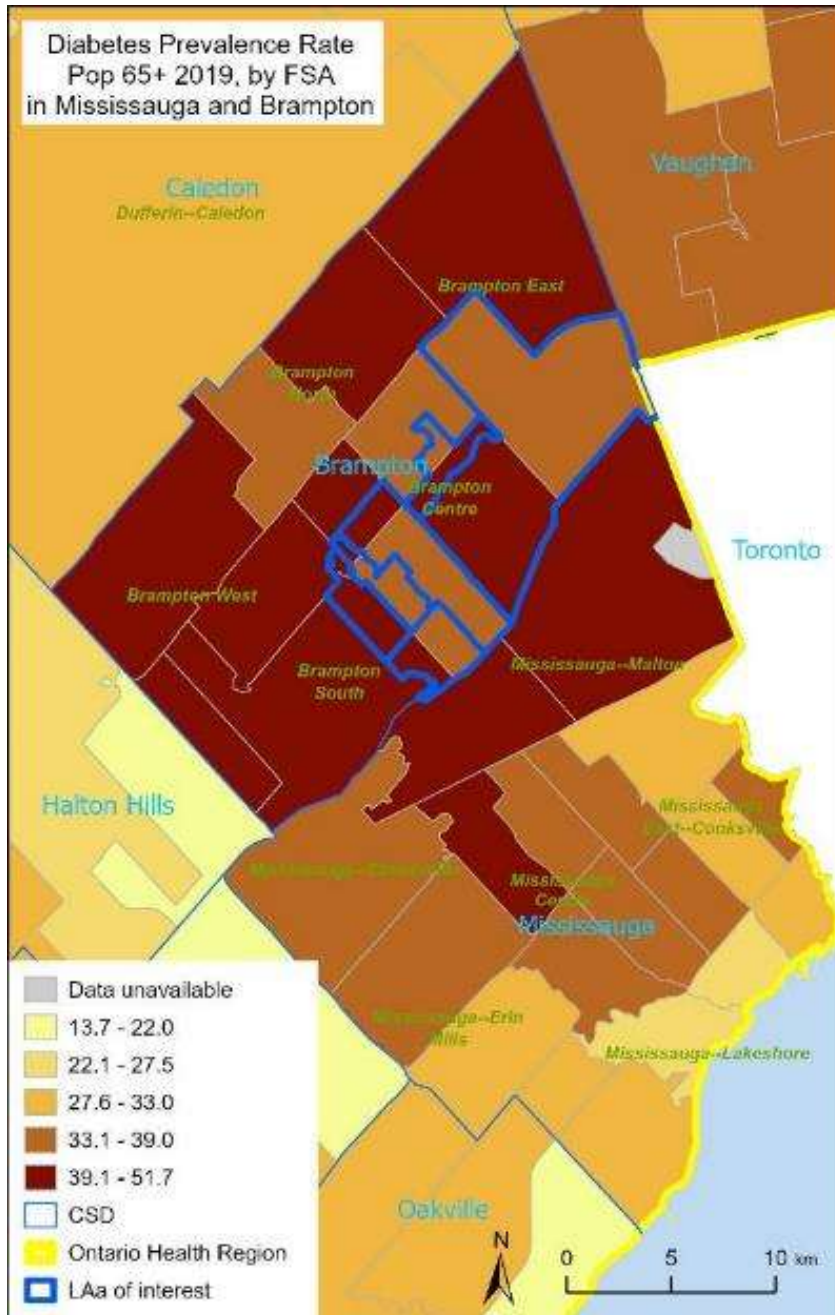




# Case Study: Diabetes at FSA and LA Levels

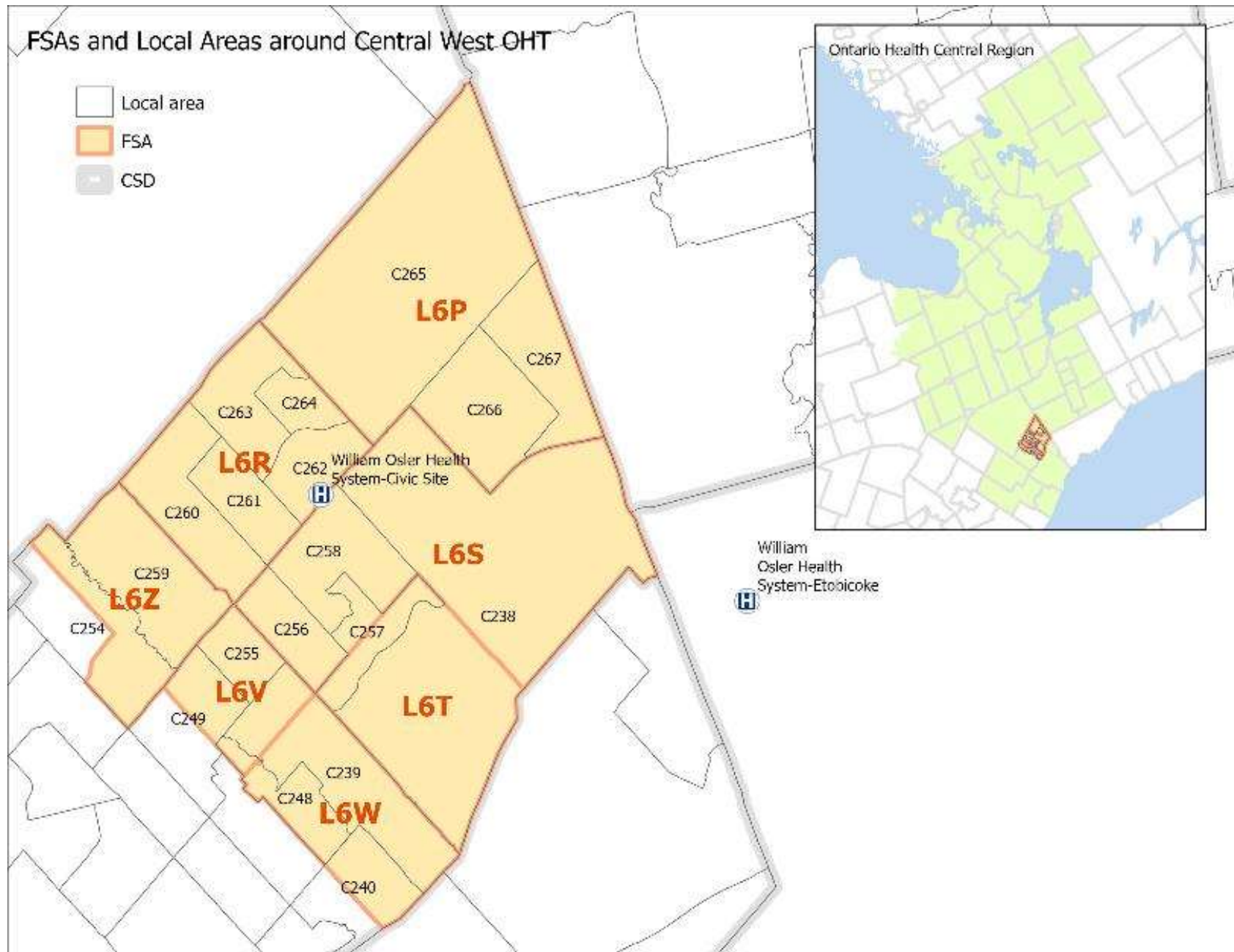


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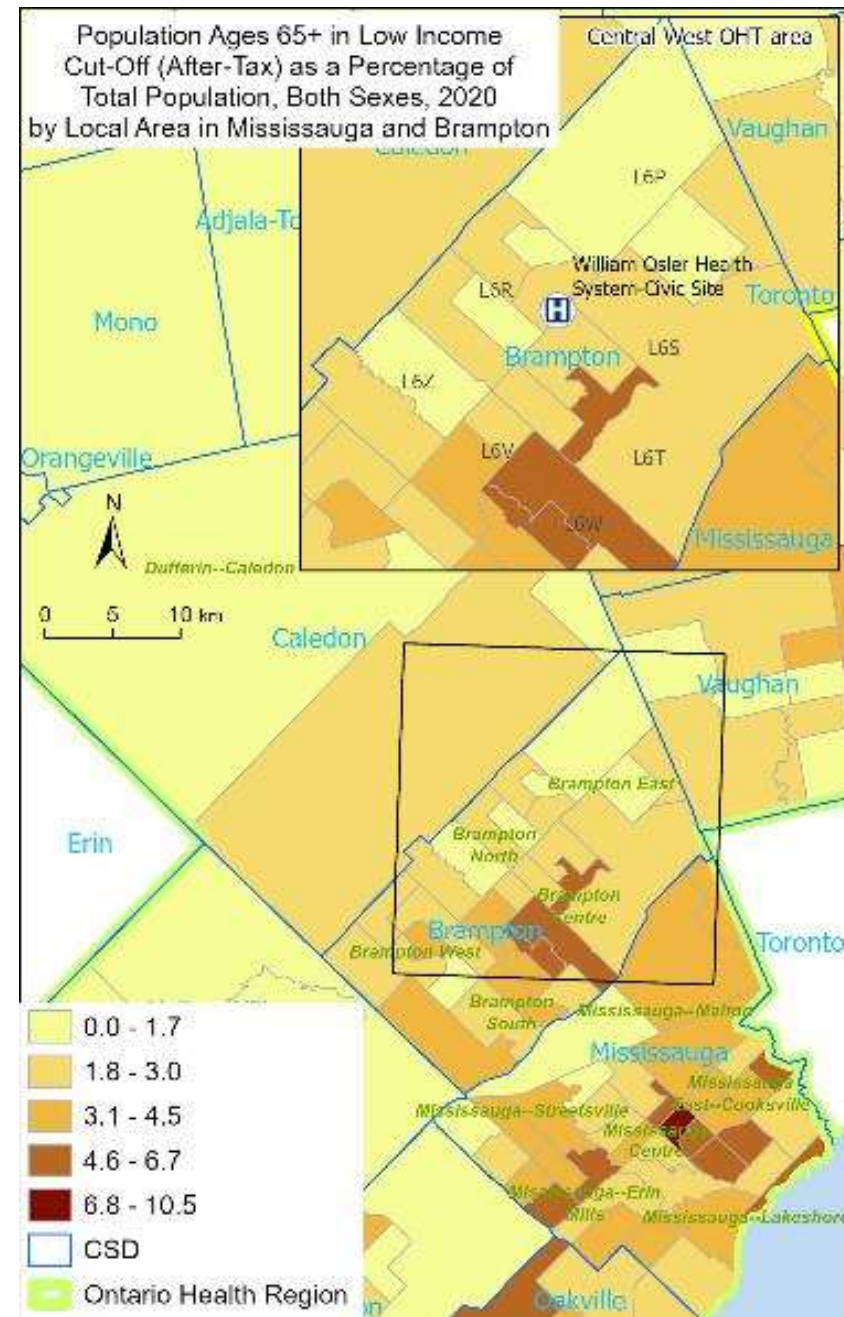
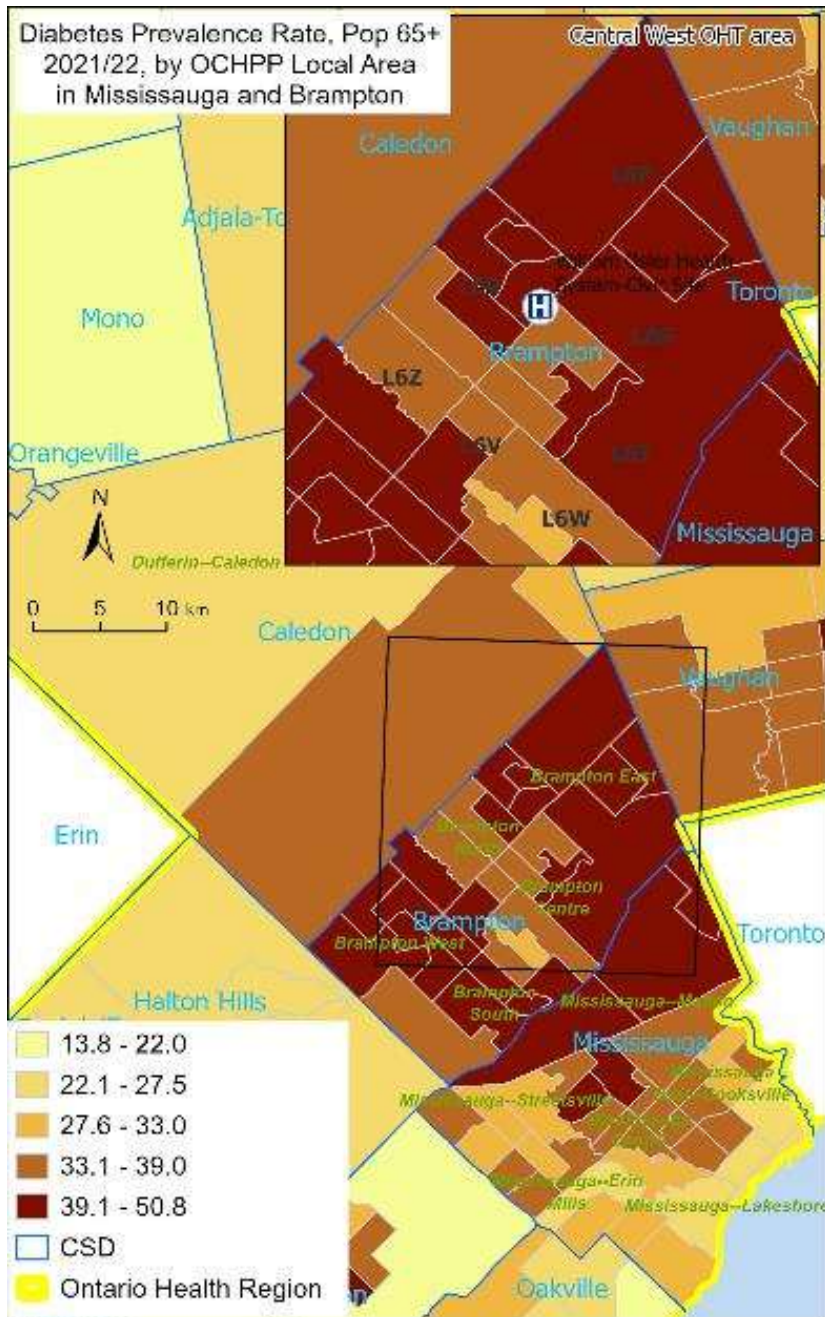


# The Surrounding Area of Central West OHT



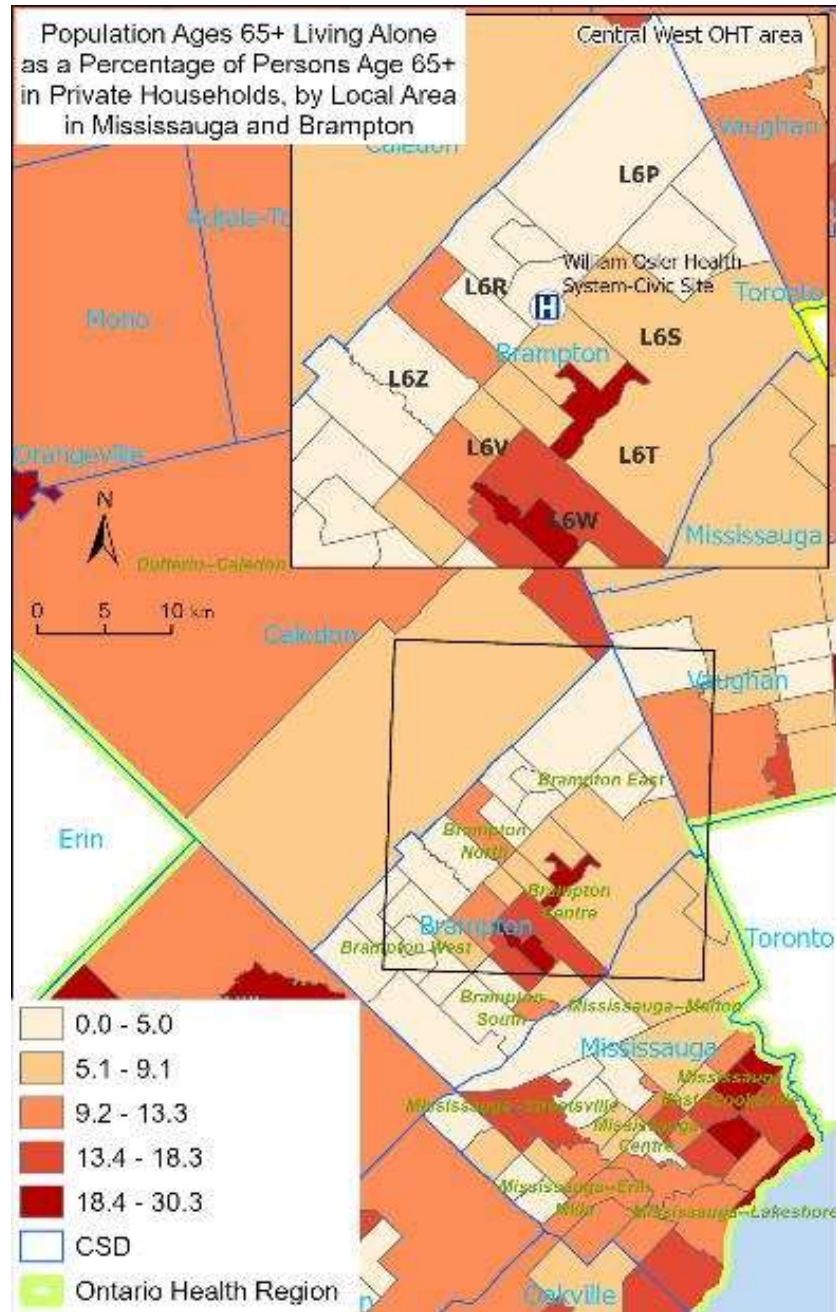
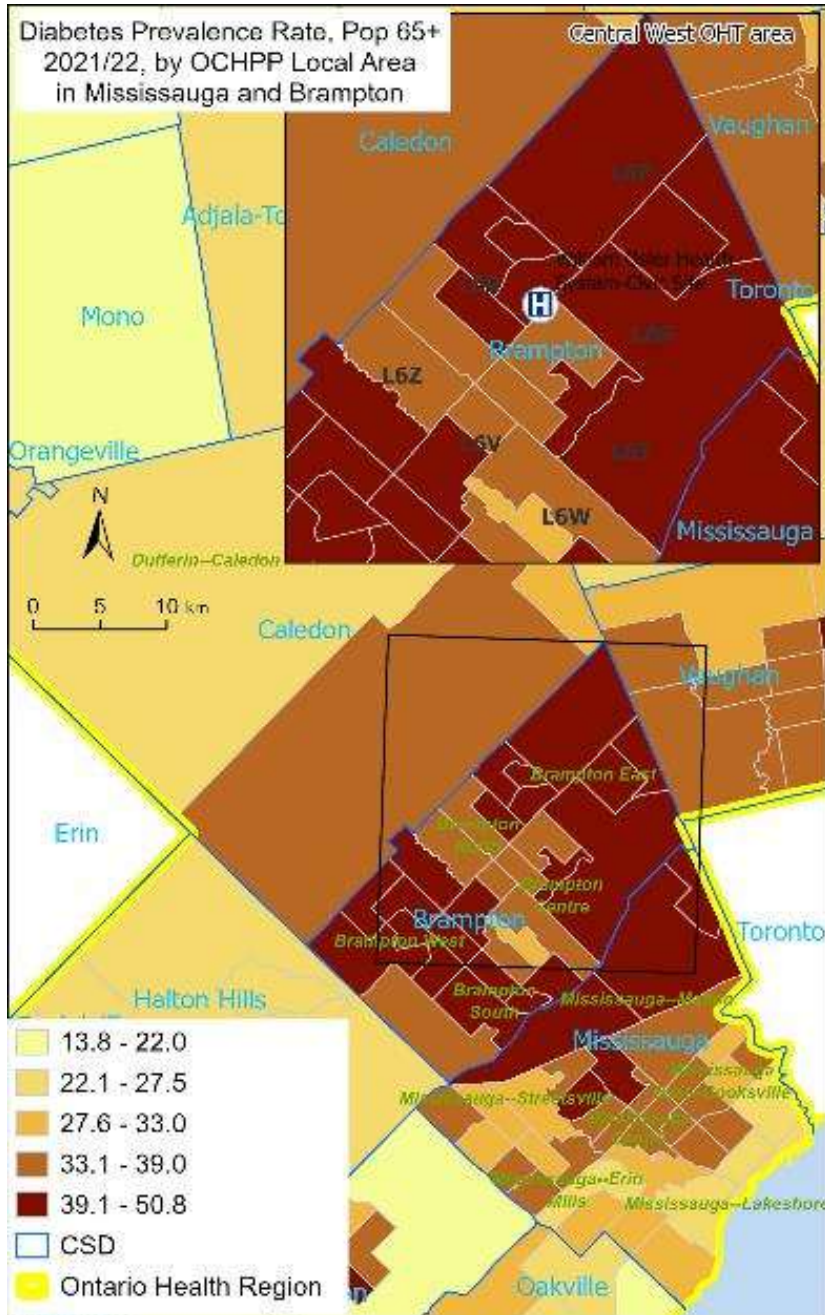


# Case Study: Diabetes and Low Income Seniors



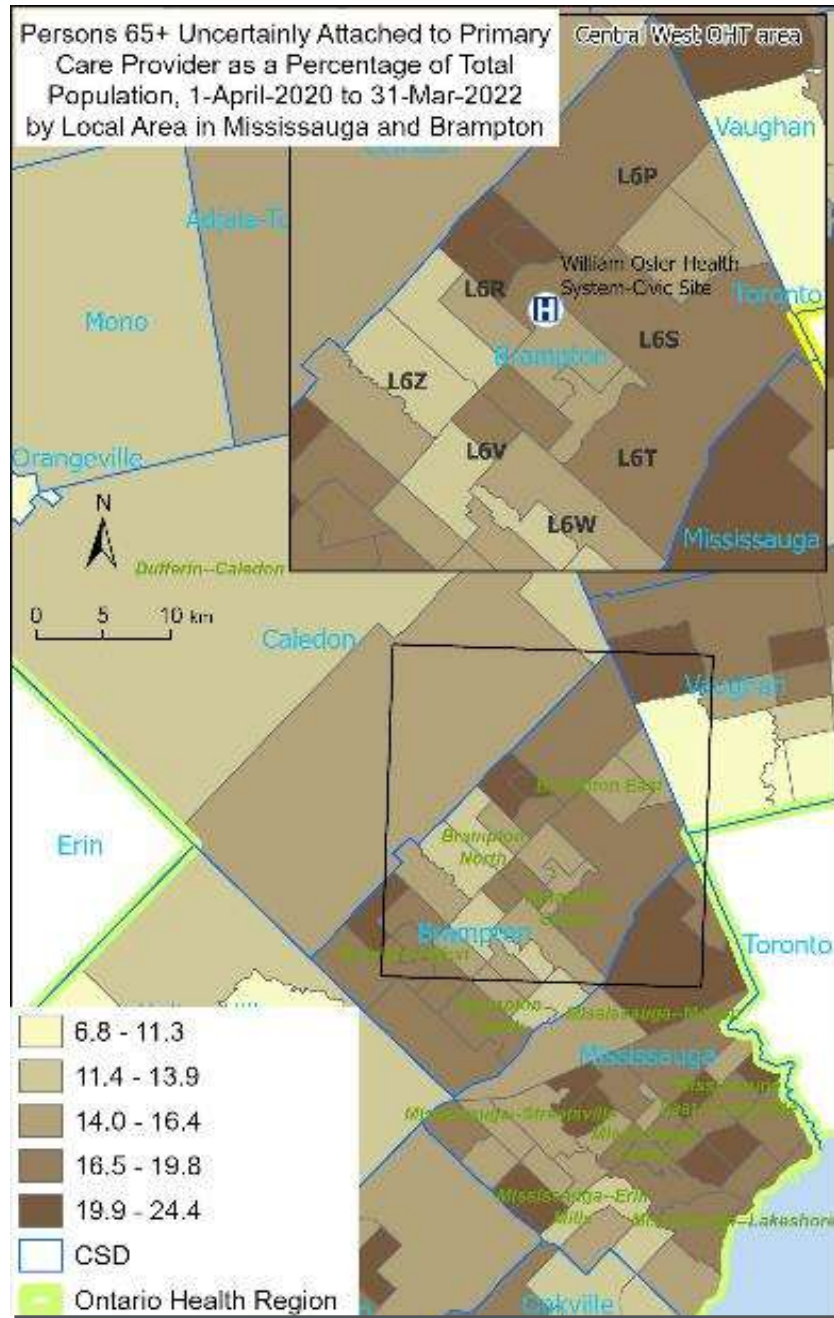
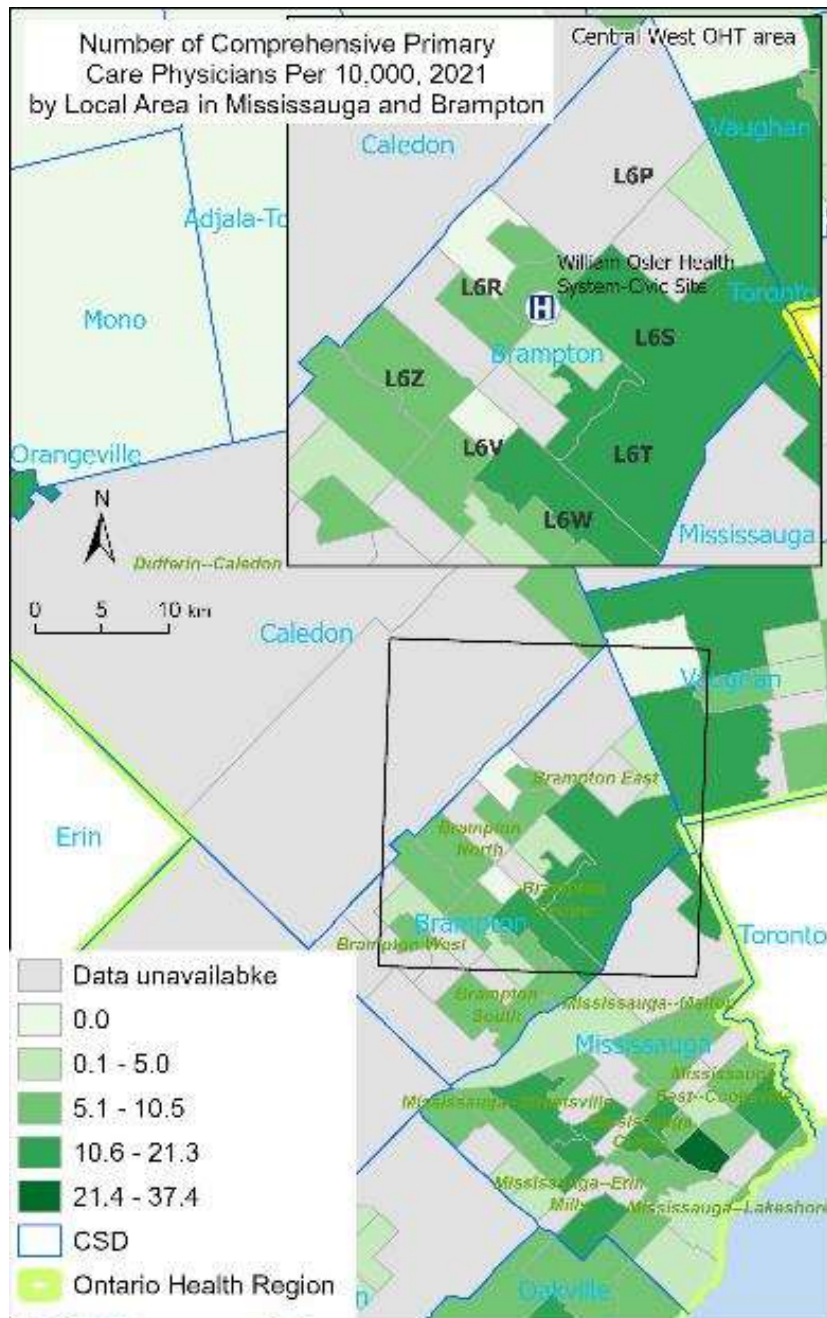


# Case Study: Diabetes and Seniors Living Alone



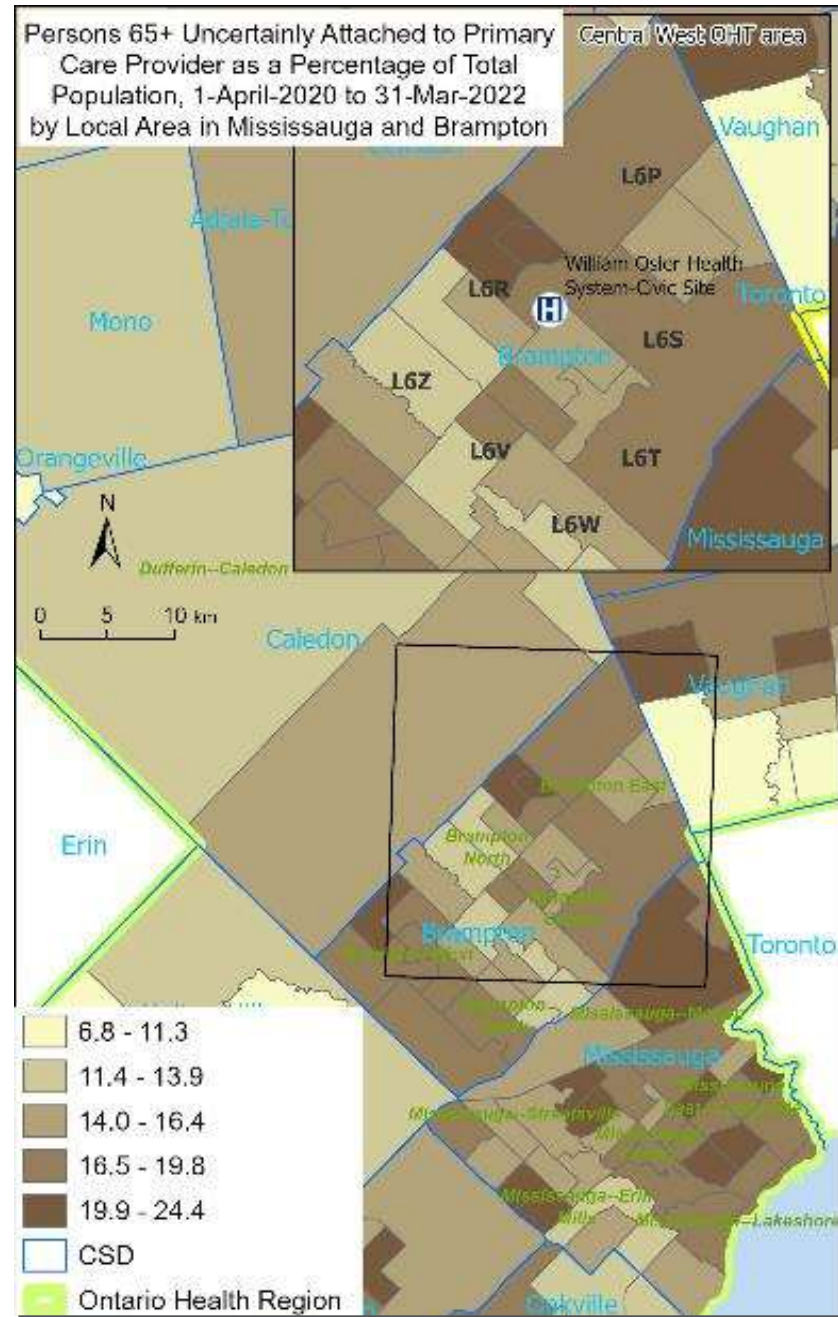
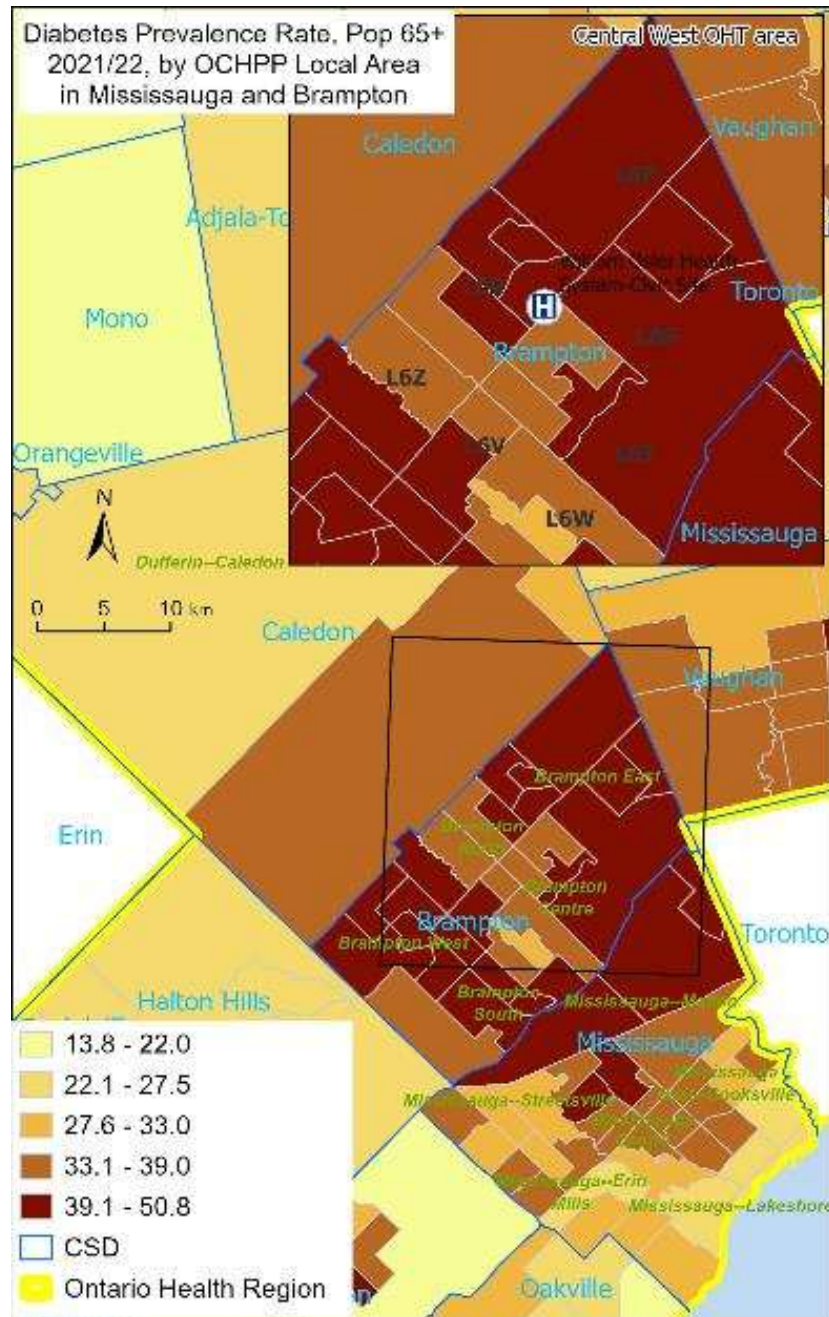


# Case Study: Availability of Primary Care Physicians and Seniors Uncertainly Attached to Primary Care





# Case Study: Diabetes and Seniors Uncertainly Attached to Primary Care



# Summary of Mapped Data: Diabetes and Related Predictors for 19 Local Areas

Local Area ID	Ratio of Diabetes Prevalence for Seniors 65+	Pop 65+ Under LICO 2021	Percent of Pop 65+ Living Alone	Percent of Pop 65+ Uncertainly Attached	Comprehensive Primary Care Physicians Per 10,000
C266	45.6	1.3	2	16.2	Low Cell Value
C261	44.2	1.5	1.3	15.8	6.84
C267	43.8	2.6	1.2	16	5.01
C263	43.7	1.8	2.1	20.4	Low Cell Value
C262	43.7	2	1.2	19.1	9.15
C265	43.6	1.7	1	17.8	Low Cell Value
C264	43.2	1.5	0.4	24.4	6.89
C257	42.3	4.9	19.5	15.2	13.57
C240	42	2.8	9	11.9	10.10
C249	41	3.1	11.1	13.7	9.40
C238	39.5	2.3	7.5	16.9	14.45
C254	39.2	2.7	4.7	14.5	6.39
C260	38.8	2	13	12.2	Low Cell Value
C239	38.6	5.6	16.9	15.9	14.13
C255	38.5	2.2	6.8	19.6	Low Cell Value
C256	38	2.3	6.4	16.5	Low Cell Value
C258	36.3	2	6.9	14.2	2.78
C259	35.8	1.4	4.7	13.8	7.75
C248	32.8	4.6	30.3	13.7	5.61

Low Cell Value = Number of physicians is between 1 and 5

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# The OCHPP Website – Live Demonstration

[www.OntarioHealthProfiles.ca](http://www.OntarioHealthProfiles.ca)

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# Thanks for Listening! Questions?



[www.OntarioHealthProfiles.ca](http://www.OntarioHealthProfiles.ca)