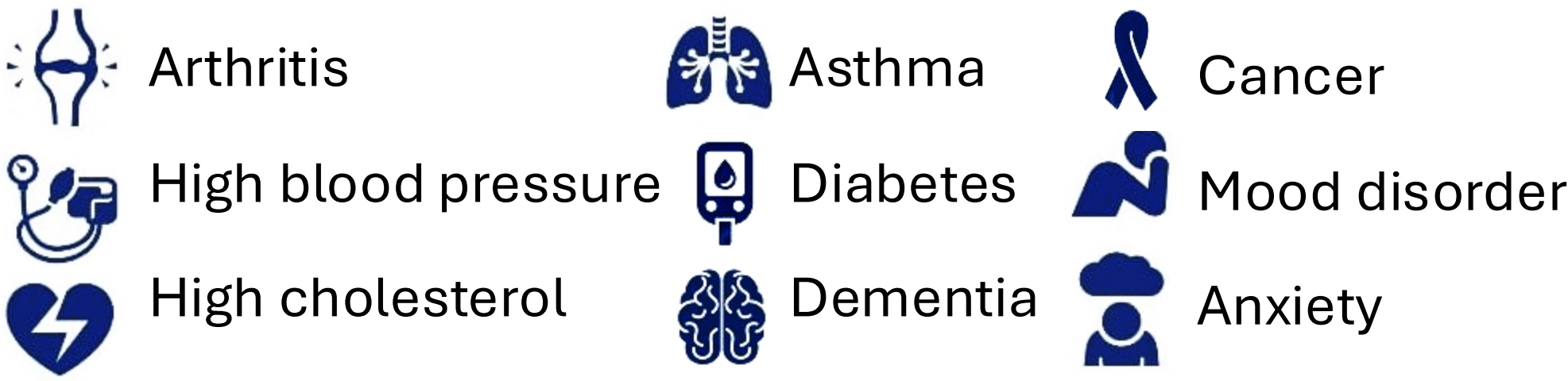


Exploring determinants and differences between Francophones and Anglophones in Ontario

Background

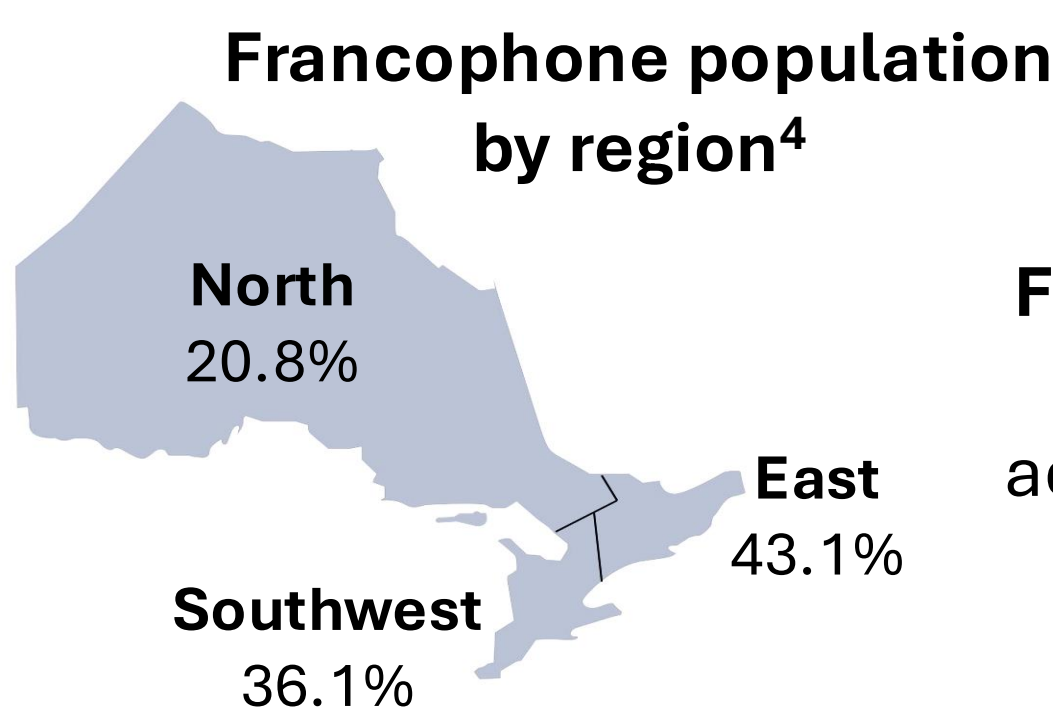
Multimorbidity is the presence of **two or more** chronic health conditions,¹ such as:



People living with multimorbidity often experience **greater disability** and **lower quality of life**.²

Multimorbidity impacts the healthcare system, due to the complexity of the care and treatment.²

Ontario has the largest **Francophone** population outside of Quebec of over 650,000 people, 4.6% of the province's population.³



Francophones in Ontario face challenges with accessing health services and the quality of care⁵

Methods

Objectives: Examine the **prevalence (%)** and **determinants** of multimorbidity between **Francophones** and **Anglophones** in Ontario

Data source: **Canadian Community Health Survey (CCHS)**
3 cycles of the CCHS combined from **2015-2020**

Sample: All Ontarians aged 12 years and older

Analysis: Descriptive and logistic regression (yes/no) **multimorbidity**
With bootstrap weights
Unadjusted odds ratios (ORs) shown in results

Results

Most common combinations of chronic conditions among people with multimorbidity

- 13.2% mood disorder & anxiety
- 10.2% high blood pressure & high cholesterol
- 10.1% arthritis & high blood pressure

Overall, the prevalence of multimorbidity was significantly higher in Francophones by 3.8% (p < .001).

Examining these sociodemographic and lifestyle determinants point out possible reasons **why Francophones had a higher prevalence of multimorbidity**.

	Descriptive		Regression			More/less likely to have multimorbidity
	Anglophone	Francophone	Anglophone	Francophone		
Overall	28.3	32.1	1.00	1.20 (1.08-1.33)	...	more likely
Southwest ON	27.1	27.1	1.00			
East ON	30.2	31.9	1.16 (1.10 - 1.23)		🗺️	more likely
North ON	36.1	40.7	1.54 (1.45 - 1.63)		🗺️	more likely
Men	25.9	28.1	1.00			
Women	30.6	35.7	1.28 (1.22 - 1.35)		👤	more likely
Age ≤64	20.9	23.4	1.00			
Age 65+	61.1	62.9	5.92 (5.63 - 6.23)		👤	more likely
Employed	19.5	20.8	1.00			
Unemployed	39.4	43.0	2.69 (2.56 - 2.83)		💼	more likely
Physically active	26.6	33.4	1.00			
Not active	29.7	31.1	1.15 (1.10 - 1.21)		🚶	more likely
BMI <25	19.6	23.6	1.00			
BMI >30	41.5	43.7	2.90 (2.73 - 3.07)		👤	more likely
Smoker	30.6	38.9	1.00			
Never smoked	21.2	20.6	0.62 (0.58 - 0.65)		🚭	less likely
Secondary school only	31.8	34.8	1.00			
University degree	22.2	24.9	0.60 (0.56 - 0.65)		🎓	less likely
Lowest income	33.7	40.2	1.00			
Middle income	28.2	33.3	0.78 (0.72 - 0.84)		💰	less likely
Highest income	22.9	25.7	0.58 (0.54 - 0.62)		🏠	less likely
Live in rural area	31.3	35.8	1.00			
Live in urban area	27.8	31.3	0.85 (0.81 - 0.90)		🏙️	less likely
Live alone	42.3	46.3	1.00			
Live with family	26.0	29.1	0.79 (0.75 - 0.83)		👨👩👦	less likely

Francophones were **1.2 times more** likely to have multimorbidity than Anglophones.

People in **North Ontario** were **1.54 times more** likely to have multimorbidity than Southwest.

Francophones may present characteristics **associated with multimorbidity** more so than Anglophones.

For example, there were greater proportions of Francophones, aged 65+ and living in North Ontario, compared with Anglophones.

Older age (65+) was the determinant most **strongly associated with multimorbidity**, followed by obesity BMI (>30) and unemployment.

Conclusion

Multimorbidity is overall more common in Francophones than Anglophones in Ontario. Language can be considered as a determinant of multimorbidity.

Our analyses of determinants can help explain differences in prevalences between Francophones and Anglophones.

Our future research will continue to explore determinants and possible interactions.

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References

- National Institute for Health and Care Excellence. *Multimorbidity*. 2017. <https://www.nice.org.uk/guidance/qs153/resources/multimorbidity-pdf-75645538296237>
- Skou ST, et al. Multimorbidity. *Nat Rev Dis Prim*. 2023;8(1):1-54. doi:10.1038/s41572-022-00376-4.
- Office of the French Language Services Commissioner of Ontario. *Francophones in Ontario*; 2016. https://lcsfontario.ca/wp-content/uploads/2018/02/Francophones-in-Ontario-infographie_VF_ENG_No_stats.pdf
- Ministry of Francophone Affairs Government of Ontario. *Report on Francophone Affairs 2024*. Published online 2024. <https://www.ontario.ca/files/2024-05/mfa-report-on-francophone-affairs-2024-en-2024-05-14.pdf>
- De Moissac D, Bowen S. Impact of language barriers on access to healthcare for official language minority Francophones in Canada. *Healthc Manag Forum*. 2017;30(4):207-212. doi:10.1177/0840470417706378