

Comparing Unemployment Rates Among Québec's English and French Speakers *by Education Level*

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Introduction

- Concepts :
 - First Official Language Spoken (FOLS):
 - *“First official language spoken is a derived variable. The derivation first takes into account the knowledge of the two official languages, second the mother tongue, and third the language spoken most often at home” (Statistics Canada, 2021)*
 - Unemployment rate
 - Relative unemployment ratio
 - Réseaux territoriaux de Services (RTS)
- Limitations

Source : Statistics Canada 2016 census data.

Overview

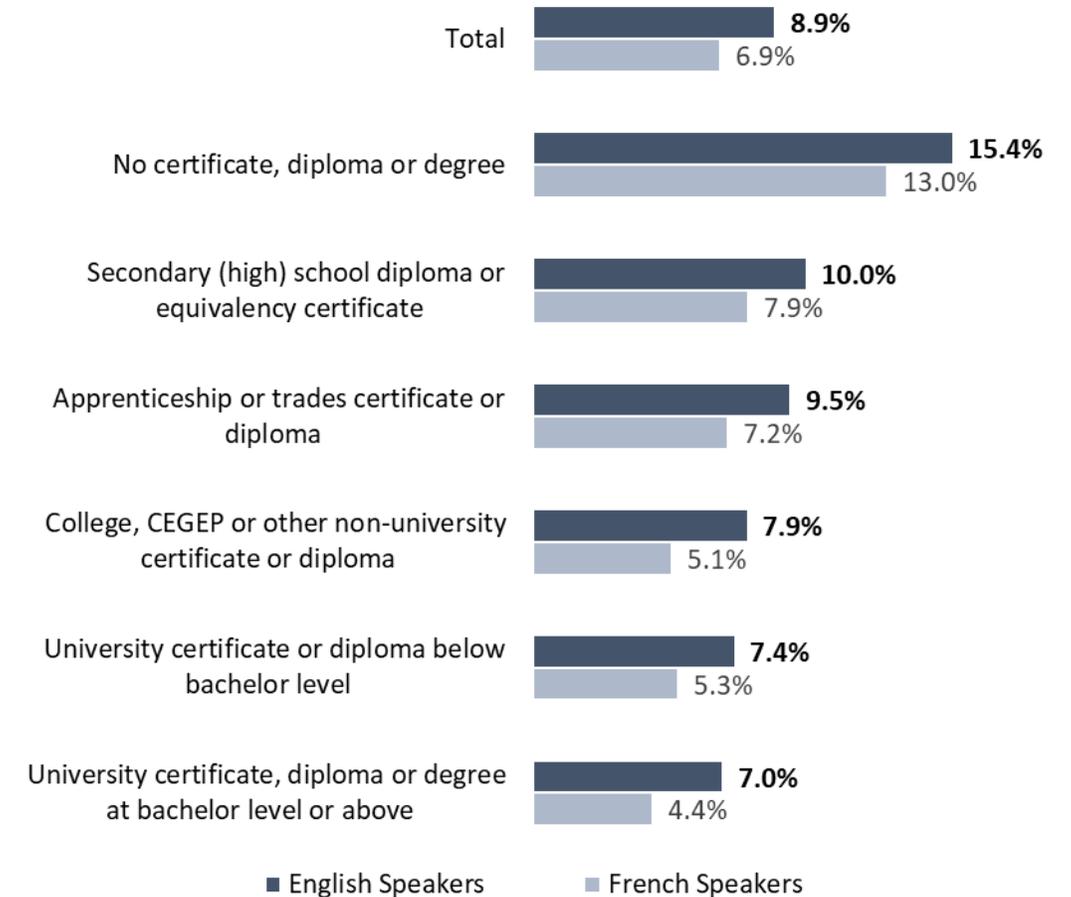
Unemployment Rate by Highest Level of Education in Quebec

Comparing Québec's Language Groups by First Official Language Spoken

Highest Level of Education	English Speakers	French Speakers
Total	8.9%	6.9%
No certificate, diploma or degree	15.4%	13.0%
Secondary (high) school diploma or equivalency certificate	10.0%	7.9%
Apprenticeship or trades certificate or diploma	9.5%	7.2%
College, CEGEP or other non-university certificate or diploma	7.9%	5.1%
University certificate or diploma below bachelor level	7.4%	5.3%
University certificate, diploma or degree at bachelor level or above	7.0%	4.4%

Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).

Unemployment Rate by Highest Level of Education in Quebec Comparing Québec's Language Groups by First Official Language Spoken



Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).

Gender

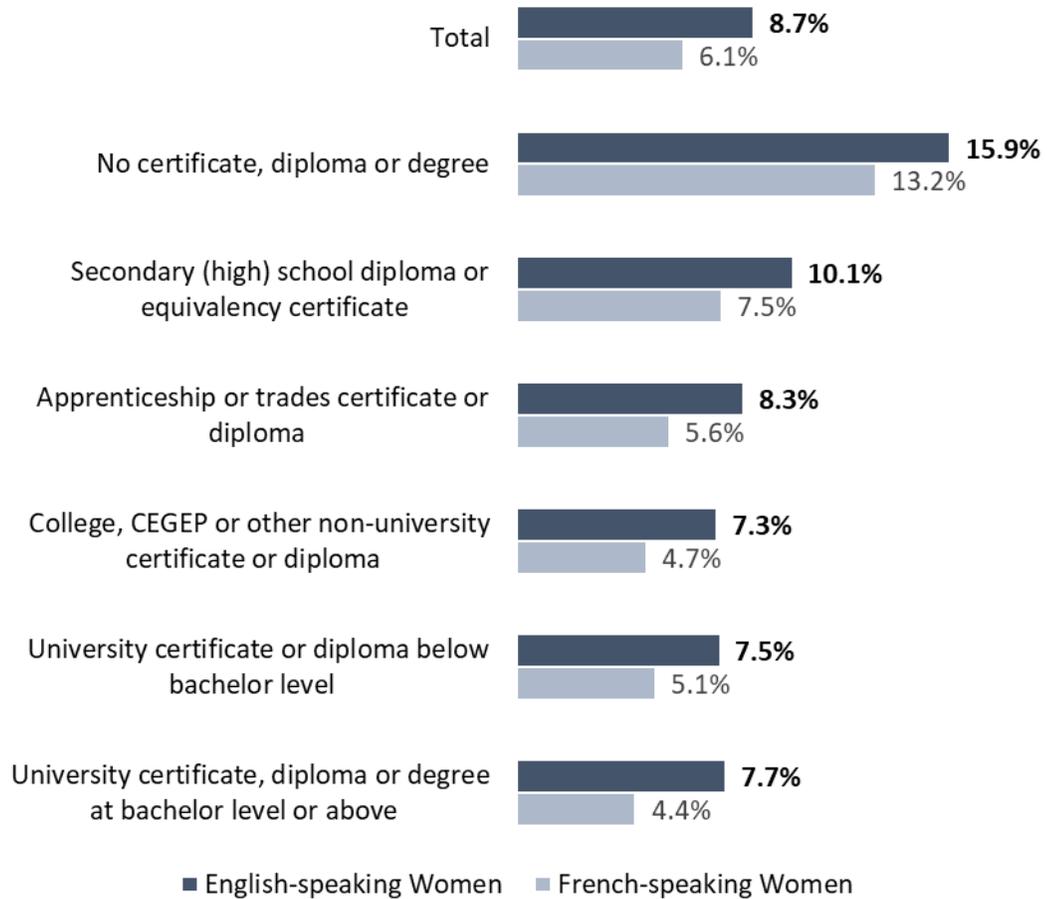
Unemployment Rate by Highest Level of Education and Gender Comparing Québec's Language Groups by First Official Language Spoken

Highest Level of Education	Women		Men	
	English Speakers	French Speakers	English Speakers	French Speakers
Total	8.7%	6.1%	9.0%	7.8%
No certificate, diploma or degree	15.9%	13.2%	14.6%	13.1%
Secondary (high) school diploma or equivalency certificate	10.1%	7.5%	10.1%	8.6%
Apprenticeship or trades certificate or diploma	8.3%	5.6%	9.8%	8.1%
College, CEGEP or other non-university certificate or diploma	7.3%	4.7%	8.6%	6.0%
University certificate or diploma below bachelor level	7.5%	5.1%	7.6%	6.1%
University certificate, diploma or degree at bachelor level or above	7.7%	4.4%	6.5%	5.0%

Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).

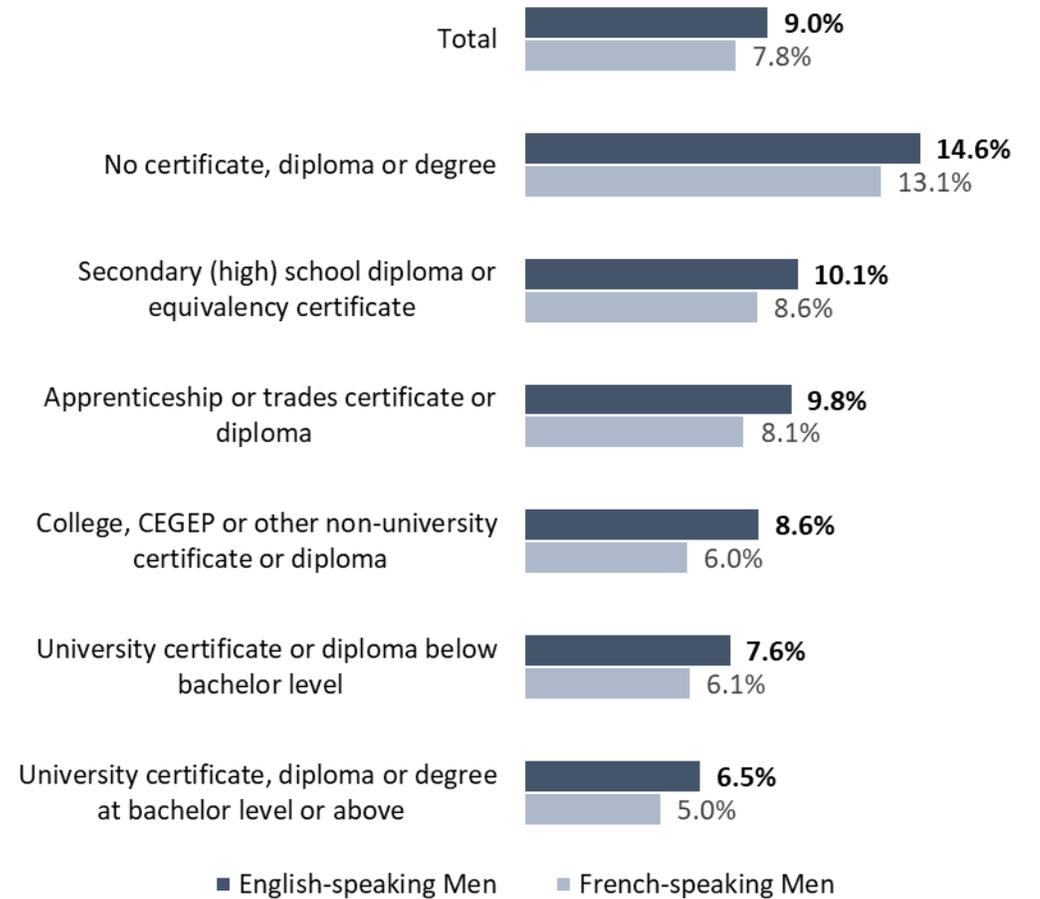
Gender

**Unemployment Rate by Highest Level of Education
Among Women by First Official Language Spoken**



Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).

**Unemployment Rate by Highest Level of Education
Among Men by First Official Language Spoken**



Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).

Age

Unemployment Rate by Highest Level of Education and Age

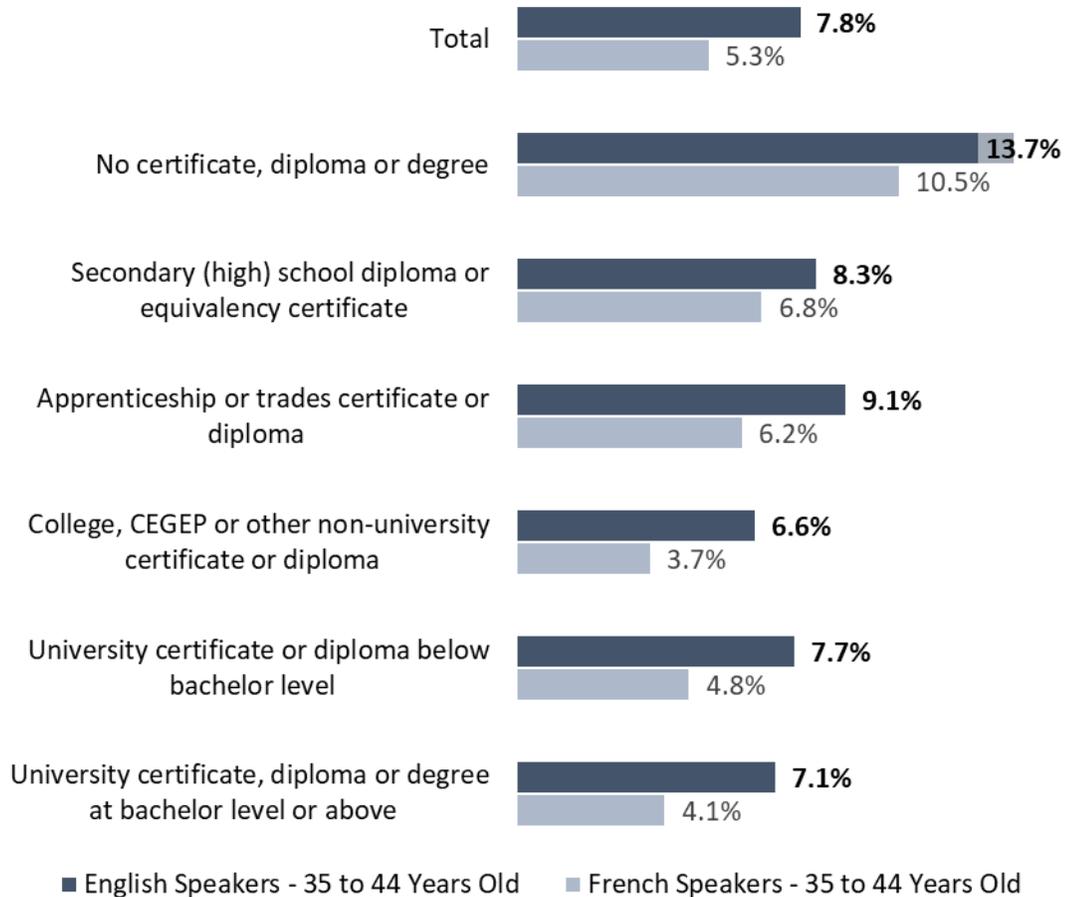
Comparing Québec's Language Groups by First Official Language Spoken

Highest Level of Education	18 to 24 years		25 to 34 years		35 to 44 years	
	English Speakers	French Speakers	English Speakers	French Speakers	English Speakers	French Speakers
	Total	15.2%	11.1%	9.2%	6.5%	7.8%
No certificate, diploma or degree	21.6%	17.6%	16.5%	13.3%	13.7%	10.5%
Secondary (high) school diploma or equivalency certificate	16.6%	10.9%	10.7%	8.7%	8.3%	6.8%
Apprenticeship or trades certificate or diploma	13.0%	8.8%	9.6%	7.1%	9.1%	6.2%
College, CEGEP or other non-university certificate or diploma	12.6%	9.6%	8.1%	4.4%	6.6%	3.7%
University certificate or diploma below bachelor level	15.4%	9.4%	8.8%	5.5%	7.7%	4.8%
University certificate, diploma or degree at bachelor level or above	14.7%	10.7%	7.9%	4.9%	7.1%	4.1%
Highest Level of Education	45 to 54 years		55 to 64 years		65 years and over	
	English Speakers	French Speakers	English Speakers	French Speakers	English Speakers	French Speakers
	Total	7.0%	5.2%	7.3%	6.8%	6.1%
No certificate, diploma or degree	11.4%	9.7%	11.2%	9.2%	10.7%	17.8%
Secondary (high) school diploma or equivalency certificate	7.5%	5.5%	7.4%	6.7%	5.9%	11.4%
Apprenticeship or trades certificate or diploma	8.3%	6.3%	9.3%	8.0%	6.4%	10.6%
College, CEGEP or other non-university certificate or diploma	6.1%	3.8%	7.0%	5.9%	6.7%	10.9%
University certificate or diploma below bachelor level	6.7%	4.1%	6.6%	6.0%	4.5%	10.4%
University certificate, diploma or degree at bachelor level or above	5.8%	3.7%	5.5%	4.8%	4.6%	6.7%

Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).

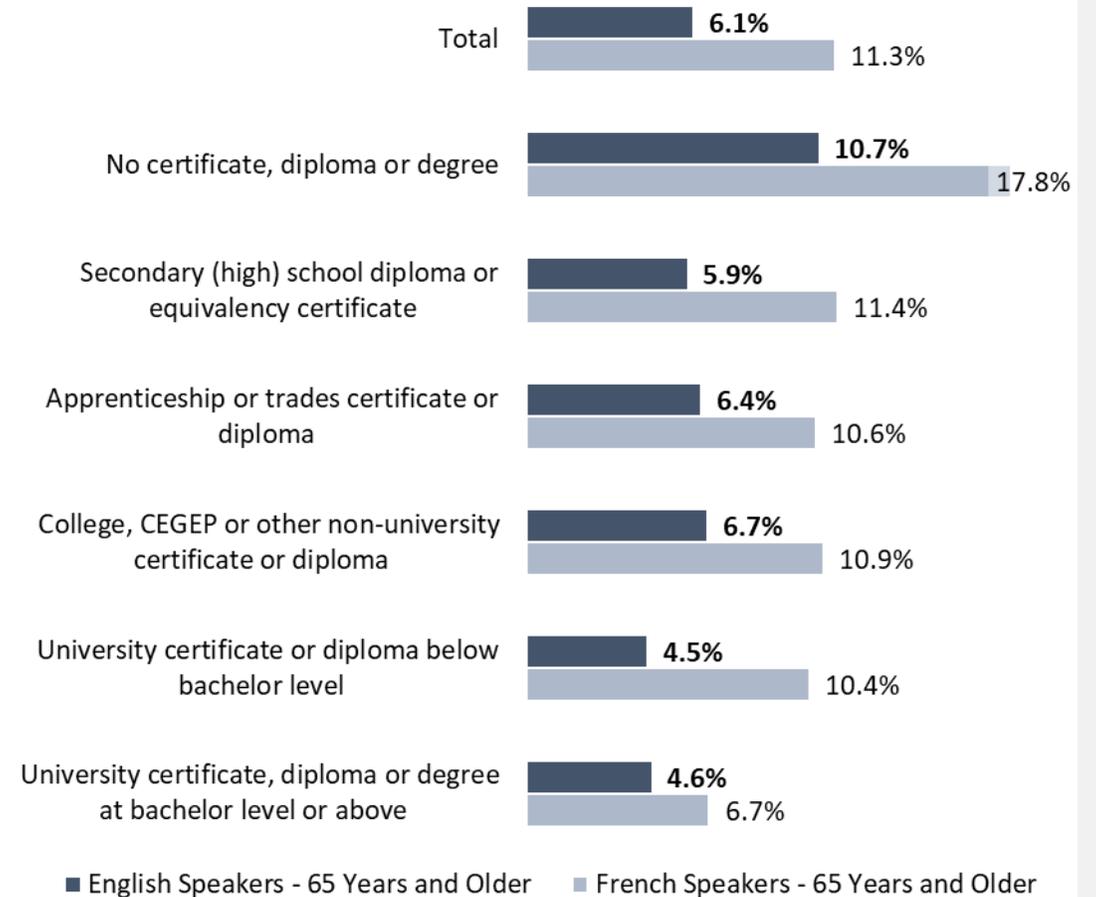
Age

**Unemployment Rate by Highest Level of Education
Among the 35 to 44 Years Old by First Official Language Spoken**



Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).

**Unemployment Rate by Highest Level of Education
Among the 65 and Older by First Official Language Spoken**



Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).

Visible Minority Status

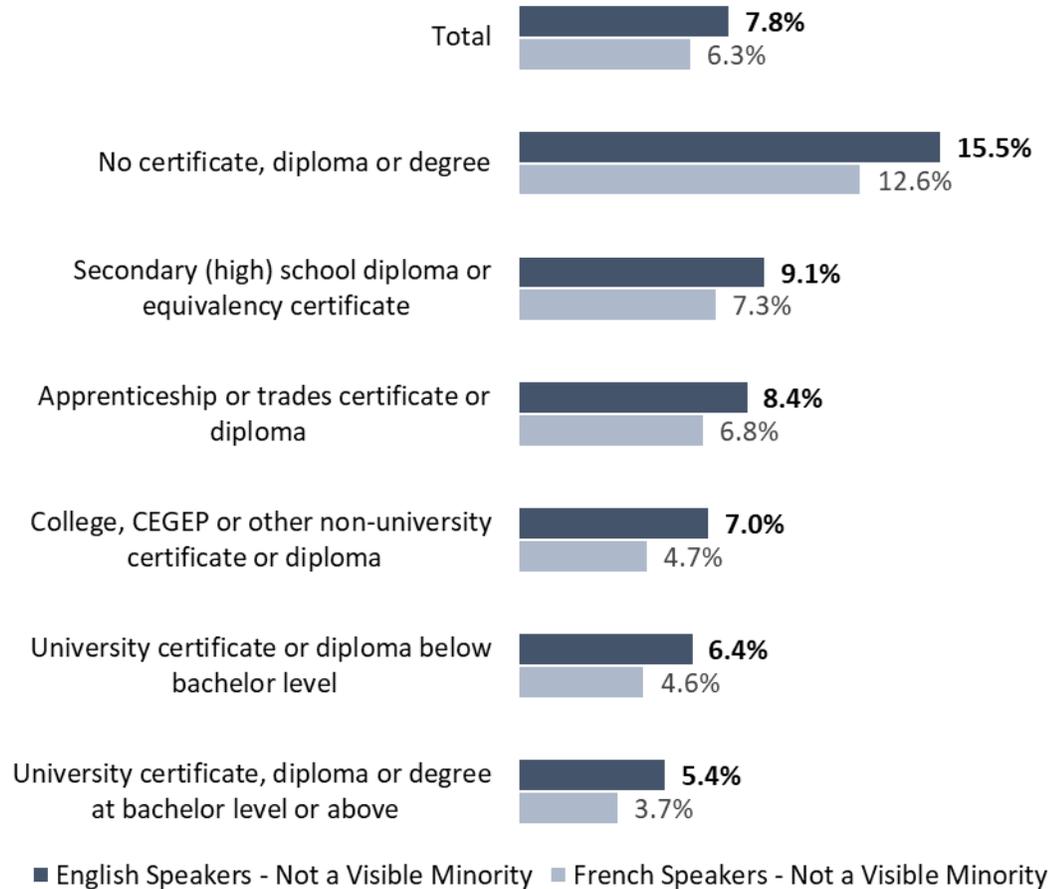
Unemployment Rate by Highest Level of Education and Visible Minority Status Comparing Québec's Language Groups by First Official Language Spoken

Highest Level of Education	Not a Visible Minority		Identified as a Visible Minority	
	English Speakers	French Speakers	English Speakers	French Speakers
Total	7.8%	6.3%	11.2%	12.0%
No certificate, diploma or degree	15.5%	12.6%	14.1%	17.9%
Secondary (high) school diploma or equivalency certificate	9.1%	7.3%	12.5%	15.0%
Apprenticeship or trades certificate or diploma	8.4%	6.8%	11.6%	10.7%
College, CEGEP or other non-university certificate or diploma	7.0%	4.7%	10.5%	10.4%
University certificate or diploma below bachelor level	6.4%	4.6%	9.3%	10.1%
University certificate, diploma or degree at bachelor level or above	5.4%	3.7%	10.2%	10.3%

Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).

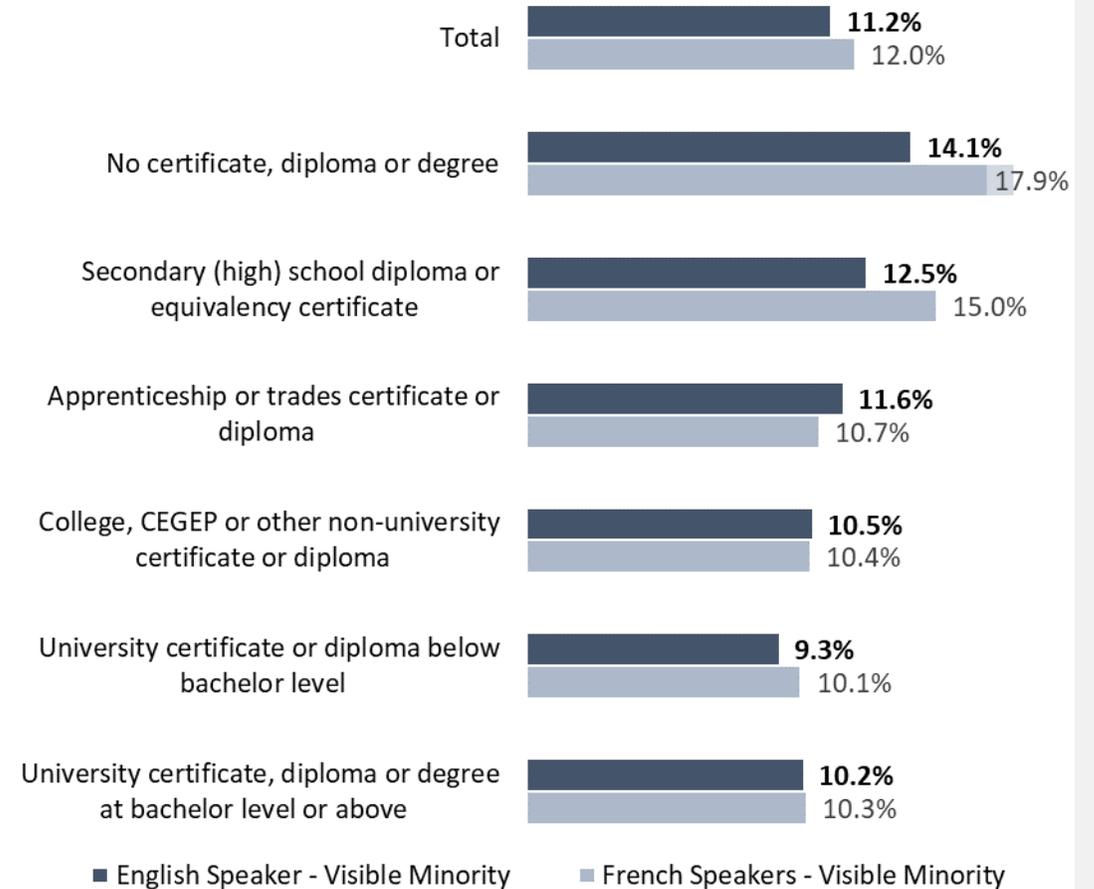
Visible Minority Status

**Unemployment Rate by Highest Level of Education
Among those Who Did Not Identify as a Visible Minority by FOLS**



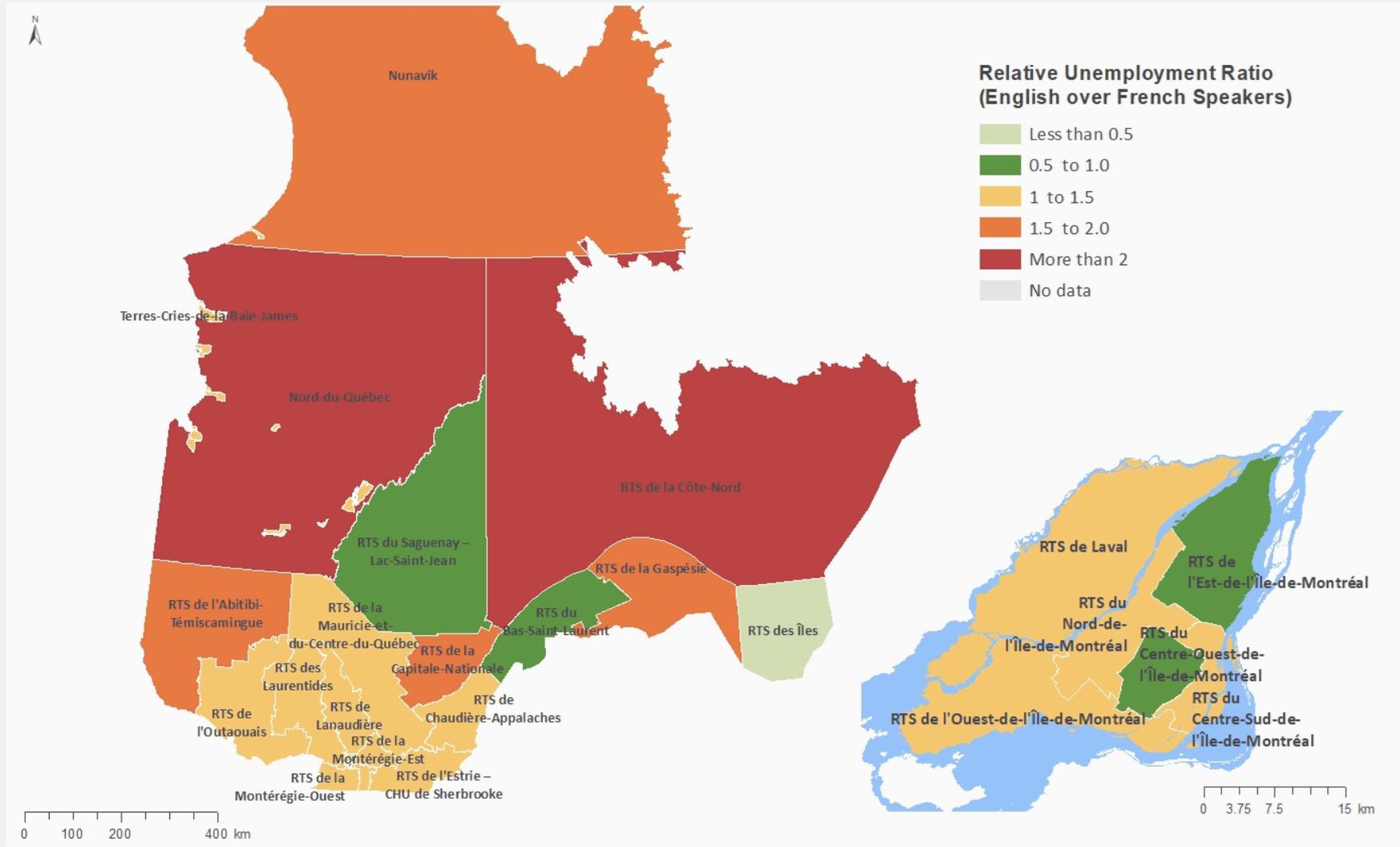
Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).

**Unemployment Rate by Highest Level of Education
Among those Who Identified as a Visible Minority by FOLS**



Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).

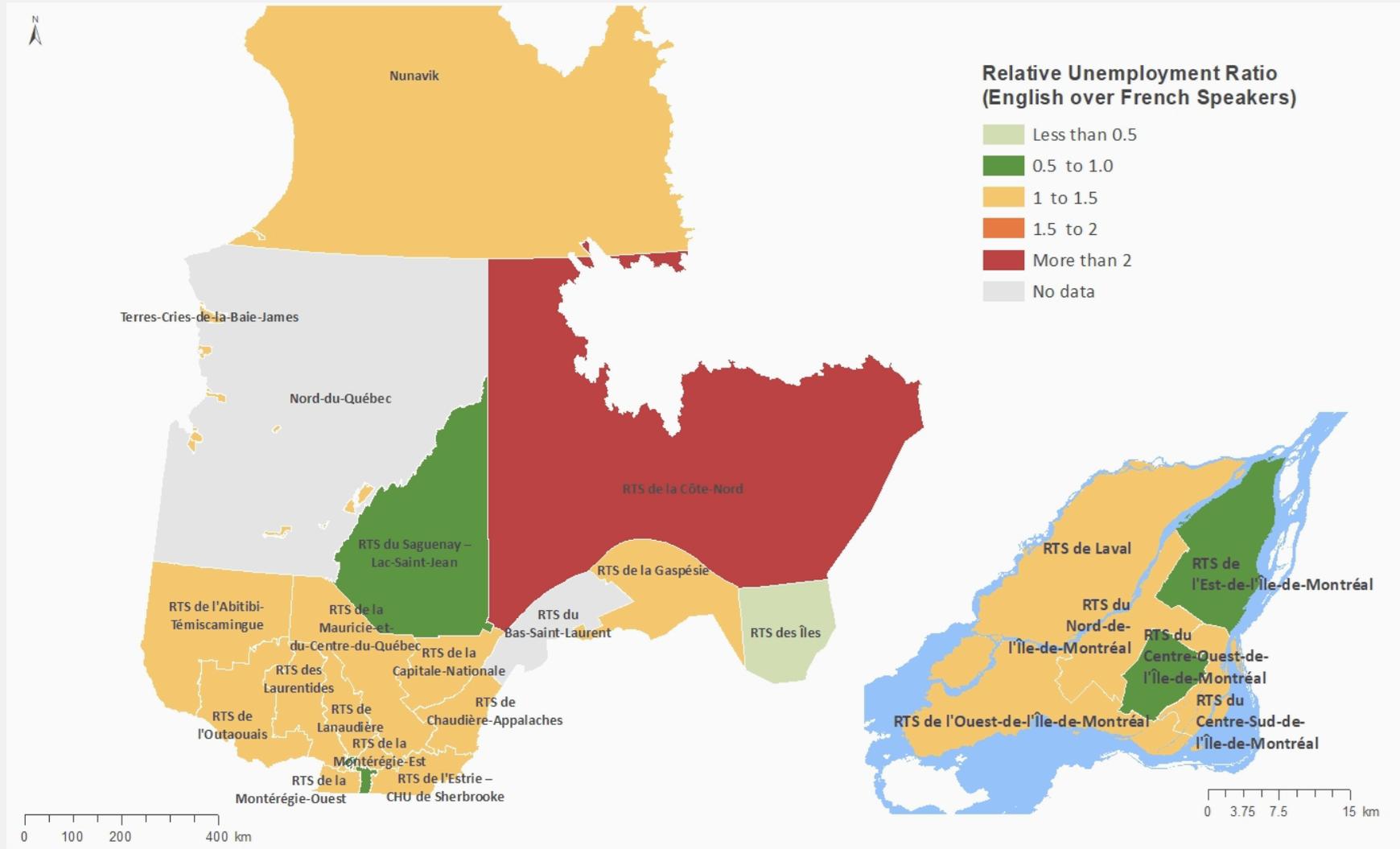
Relative Unemployment Ratio Among English Speakers Compared to French Speakers Across Québec's RTS Regions



Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).

Relative Unemployment Ratio Among Those with Low Educational Attainment (High School Degree or Lower)

Among English Speakers Compared to French Speakers
Across Québec's RTS Regions

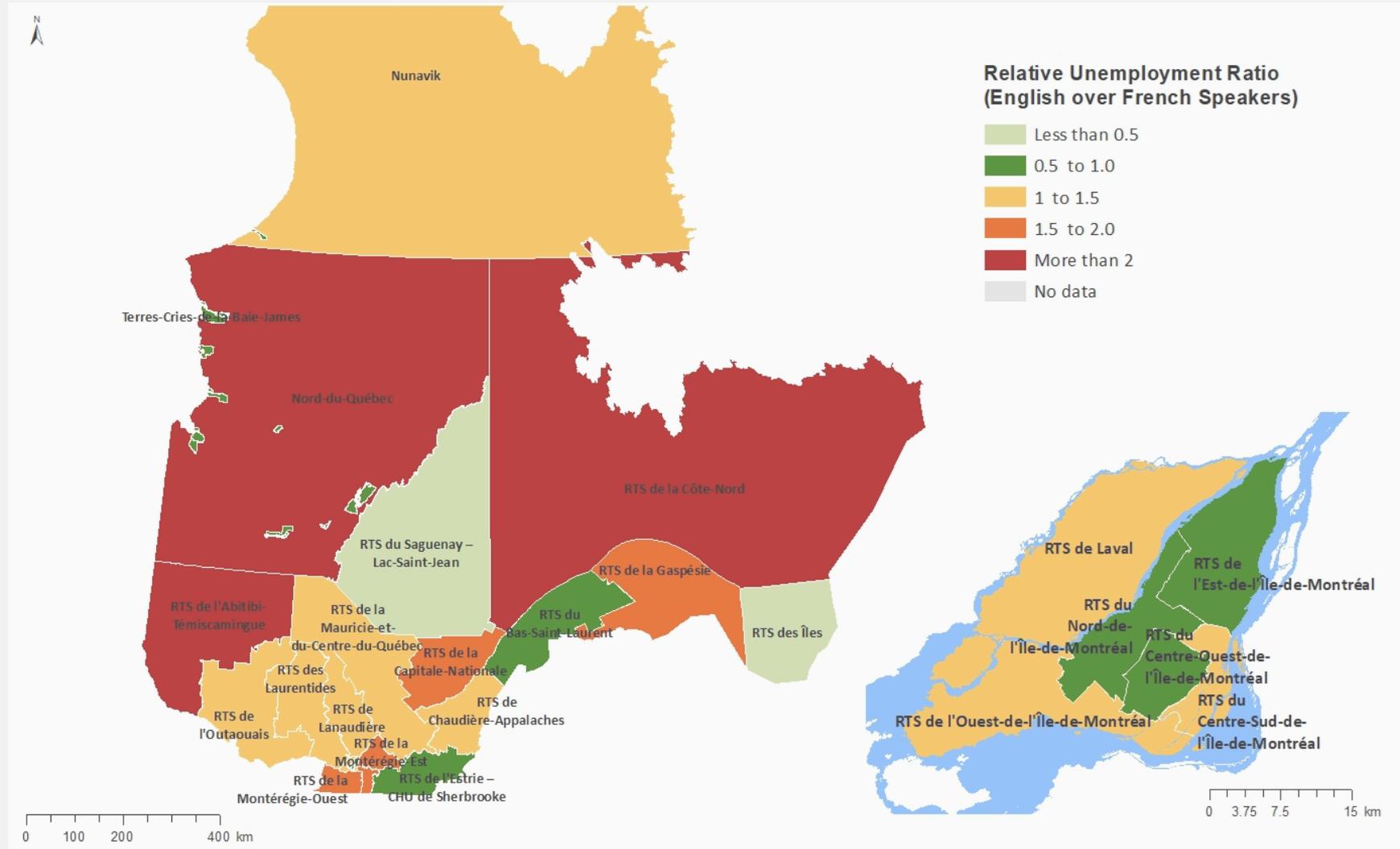


Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).

Relative Unemployment Ratio Among Those with an Apprenticeship or Trades Certificate or Diploma

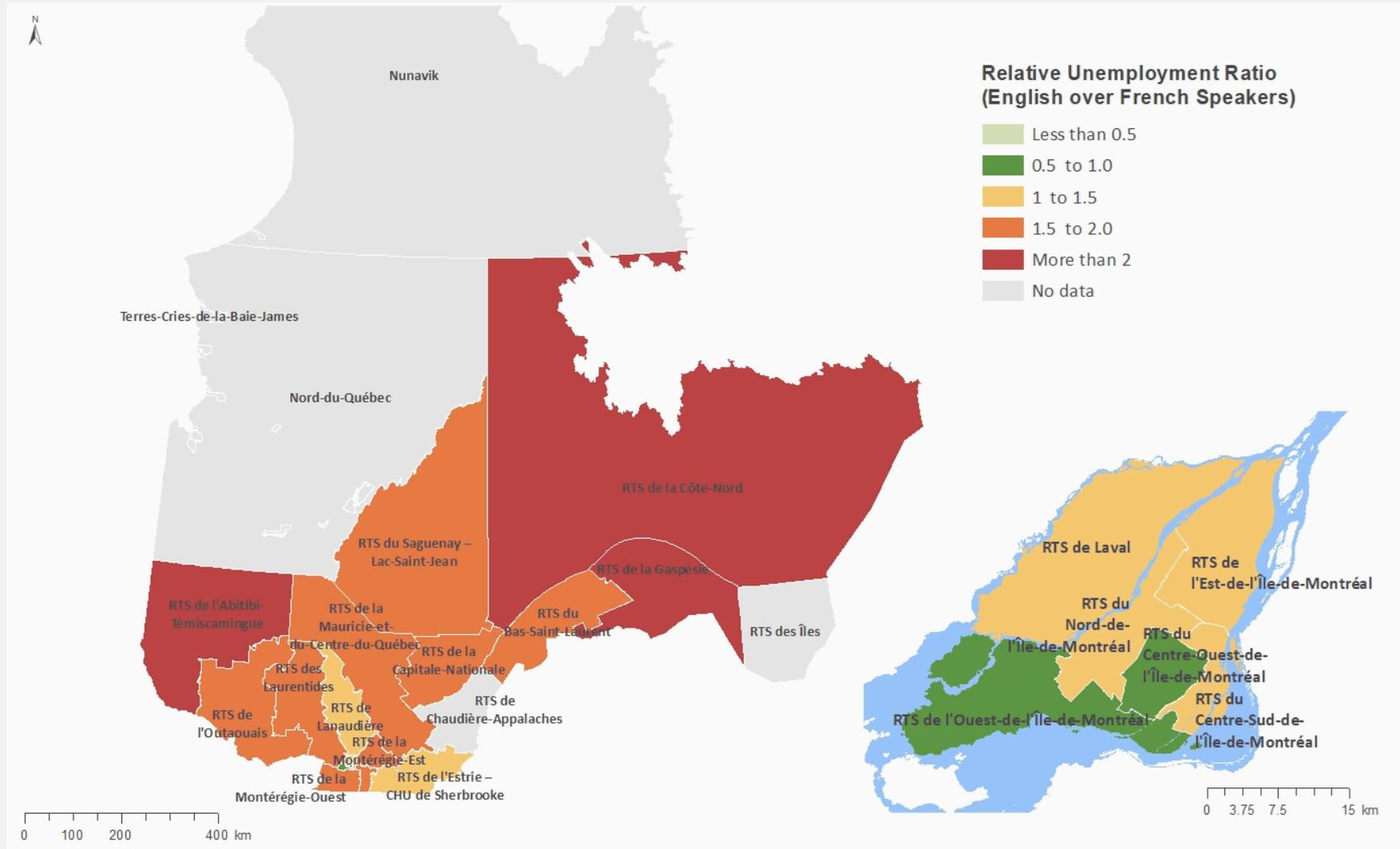
Among English Speakers Compared to French Speakers

Across Québec's RTS Regions



Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).

Relative Unemployment Ratio Among Those with a High Educational Attainment University BA or Higher Among English Speakers Compared to French Speakers Across Québec's RTS Regions



Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).



Conclusion

Questions for Further Discussion :

- Are you surprised by any of the results ?
- Can we expect these observations to be similar in the 2021 census or different ?
- What might be some causal explanations for these observations ?

To reference this data, please contact Caroline
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Thank you !

Unemployment Rate Among FOLS English by Highest Level of Education by RTS

Geographies	Total	No certificate, diploma or degree	Secondary (high) school diploma or equivalency certificate	Apprenticeship or trades certificate or diploma	College, CEGEP or other non-university certificate or diploma	University certificate or diploma below bachelor level	University certificate, diploma or degree at bachelor level or above
Province of Quebec	8.9%	15.4%	10.0%	9.5%	7.9%	7.4%	7.0%
RTS du Bas-Saint-Laurent	8.5%	0.0%	0.0%	8.7%	9.5%	0.0%	8.3%
RTS du Saguenay	7.1%	25.0%	4.4%	0.0%	14.3%	40.0%	6.9%
RTS de la Capitale-Nationale	7.8%	14.2%	8.3%	8.9%	6.7%	7.0%	6.9%
RTS de la Mauricie-et-du-Centre-du-Québec	9.3%	18.2%	10.7%	9.9%	7.1%	10.5%	5.2%
RTS de l'Estrie - CHU de Sherbrooke	7.1%	11.4%	7.1%	5.9%	5.5%	4.8%	5.5%
RTS de l'Ouest-de-l'Île-de-Montréal	7.9%	14.8%	9.9%	9.2%	7.3%	6.0%	5.6%
RTS du Centre-Ouest-de-l'Île-de-Montréal	9.9%	14.2%	13.0%	10.4%	10.6%	9.2%	8.1%
RTS du Centre-Sud-de-l'Île-de-Montréal	9.9%	19.6%	13.9%	9.7%	9.4%	10.7%	7.9%
RTS du Nord-de-l'Île-de-Montréal	9.8%	13.7%	10.9%	10.1%	9.0%	11.1%	8.5%
RTS de l'Est-de-l'Île-de-Montréal	8.5%	14.3%	8.3%	8.6%	7.0%	8.7%	7.9%
RTS de l'Outaouais	8.4%	14.5%	9.8%	9.7%	7.0%	5.9%	5.8%
RTS de l'Abitibi-Témiscamingue	12.8%	20.7%	11.5%	18.6%	9.8%	14.3%	5.8%
RTS de la Côte-Nord	25.3%	45.5%	20.5%	27.3%	10.1%	15.4%	7.7%
RTS du Nord-du-Québec	17.1%	0.0%	40.0%	28.6%	50.0%	-	0.0%
RTS de la Gaspésie	24.4%	31.0%	29.9%	27.6%	15.1%	28.6%	12.5%
RTS des Îles	2.5%	7.1%	12.5%	0.0%	0.0%	-	0.0%
RTS de Chaudière-Appalaches	5.8%	5.7%	7.1%	5.1%	8.8%	0.0%	1.9%
RTS de Laval	7.7%	11.1%	8.8%	8.0%	7.1%	7.0%	5.9%
RTS de Lanaudière	7.6%	16.8%	7.1%	7.9%	6.7%	3.9%	3.6%
RTS des Laurentides	8.4%	15.7%	8.6%	8.5%	6.6%	3.3%	6.7%
RTS de la Montérégie-Centre	7.9%	11.0%	7.5%	9.4%	8.4%	5.5%	6.8%
RTS de la Montérégie-Est	7.3%	13.3%	7.6%	9.4%	6.1%	2.4%	6.4%
RTS de la Montérégie-Ouest	7.5%	15.9%	8.0%	7.6%	6.4%	5.6%	5.3%
RTS du Nunavik	17.1%	21.1%	13.3%	15.3%	5.7%	0.0%	0.0%
RTS des Terres-Cries-de-la-Baie-James	16.2%	21.9%	13.0%	19.0%	9.7%	0.0%	2.2%

Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).

Unemployment Rate Among FOLS French by Highest Level of Education by RTS

Geographies	Total	No certificate, diploma or degree	Secondary (high) school diploma or equivalency certificate	Apprenticeship or trades certificate or diploma	College, CEGEP or other non-university certificate or diploma	University certificate or diploma below bachelor level	University certificate, diploma or degree at bachelor level or above
Province of Quebec	6.9%	13.0%	7.9%	7.2%	5.1%	5.3%	4.4%
RTS du Bas-Saint-Laurent	9.0%	16.2%	9.9%	10.4%	5.6%	4.4%	4.1%
RTS du Saguenay	9.5%	18.4%	10.3%	11.2%	6.0%	7.3%	4.1%
RTS de la Capitale-Nationale	5.0%	10.2%	5.9%	5.5%	3.9%	4.0%	3.4%
RTS de la Mauricie-et-du-Centre-du-Québec	7.1%	12.3%	8.1%	7.5%	4.9%	5.0%	3.4%
RTS de l'Estrie - CHU de Sherbrooke	6.1%	10.1%	6.9%	5.9%	4.8%	4.8%	3.7%
RTS de l'Ouest-de-l'Île-de-Montréal	7.6%	14.5%	8.7%	7.9%	7.6%	7.3%	5.5%
RTS du Centre-Ouest-de-l'Île-de-Montréal	10.5%	19.0%	15.9%	10.8%	12.1%	11.4%	8.3%
RTS du Centre-Sud-de-l'Île-de-Montréal	7.2%	14.2%	10.0%	8.2%	7.2%	6.8%	5.5%
RTS du Nord-de-l'Île-de-Montréal	9.4%	17.0%	12.2%	10.6%	8.3%	9.0%	6.8%
RTS de l'Est-de-l'Île-de-Montréal	9.3%	16.9%	10.8%	9.5%	7.1%	7.2%	6.6%
RTS de l'Outaouais	6.6%	13.9%	7.4%	7.0%	4.6%	5.6%	3.5%
RTS de l'Abitibi-Témiscamingue	7.6%	13.5%	7.4%	7.8%	5.0%	3.4%	3.3%
RTS de la Côte-Nord	11.6%	20.8%	13.1%	12.4%	6.7%	7.5%	3.8%
RTS du Nord-du-Québec	8.1%	10.8%	8.2%	9.4%	5.0%	0.0%	5.7%
RTS de la Gaspésie	15.1%	22.9%	17.7%	17.9%	9.4%	9.7%	5.8%
RTS des Îles	12.6%	19.3%	14.1%	12.2%	8.6%	15.4%	4.9%
RTS de Chaudière-Appalaches	4.5%	7.7%	4.9%	4.7%	3.2%	3.3%	2.5%
RTS de Laval	6.7%	12.8%	8.1%	7.1%	5.4%	4.9%	4.4%
RTS de Lanaudière	6.5%	12.7%	7.5%	6.4%	4.2%	4.3%	2.8%
RTS des Laurentides	6.6%	13.6%	7.1%	6.9%	4.4%	4.3%	3.0%
RTS de la Montérégie-Centre	5.8%	11.6%	6.8%	5.7%	4.4%	3.7%	3.5%
RTS de la Montérégie-Est	5.7%	11.1%	7.1%	5.7%	4.1%	3.7%	3.4%
RTS de la Montérégie-Ouest	5.5%	12.0%	6.2%	4.9%	3.9%	3.7%	2.9%
RTS du Nunavik	9.5%	20.2%	8.7%	12.5%	5.6%	0.0%	0.0%
RTS des Terres-Cries-de-la-Baie-James	14.3%	20.6%	10.0%	22.2%	13.0%	0.0%	0.0%

Source: Playfair Statistics 2021, derived from Statistics Canada, 2016 Census. The language concept used is First Official Language Spoken (FOLS).