



**Community Health
And Social Services Network
Réseau communautaire de santé
et de services sociaux**

Baseline Data Report 2013-2014

**DEMOGRAPHIC PROFILE
OF THE ENGLISH-SPEAKING COMMUNITIES
OF CLSC CHAMBLY-CARIGNAN-MARIEVILLE
(16072)**

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**for the
Community Health and Social Services Network
(CHSSN)**

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Introduction

CHSSN: Networking and Partnership Initiative

The CHSSN Networking and Partnership Initiative Program¹ (NPI) contributes to the vitality of Quebec's English-speaking communities by developing partnerships with the public health and social service system to improve, develop, and maintain access to a full range of services for Quebec's English-speaking language minority.

The Program, a measure of "Canada's Roadmap for Linguistic Duality", funds the development of community networks within English-speaking communities that align with the territories served by Quebec's health and a social service centres (CSSS). A *community network* (often referred to as an *NPI network*) is a formal grouping of community, institutional and other partners within the health and social service sector. The network improves access to health and social services through collaboration with the public system, provision of information on community needs and priorities, support for the volunteer and community resources sector and the promotion of innovative services adapted to the needs of English-speaking people.

About the 2013-2014 report

This volume of the BDR series presents selected demographic characteristics of the English-speaking population residing in the CSSS territories of the areas covered by the organizations participating in the Networking and Partnership Initiative (NPI). The information presented is drawn from the 2011 National Household Survey (NHS) and organized by province, region and CSSS territory. The selection of characteristics is guided by their importance as determinants of the health status and vitality of Quebec's official language minority community.

Baseline Data Report Series

The Baseline Data Report Series is intended to serve as a resource that will allow local communities to better understand the demographic factors and health determinants affecting them and to assist institutional partners and community leaders in developing strategies to improve the well-being of their constituencies. The Baseline Data Report 2013-2014 (BDR) is the eleventh volume in the series. The full series and data source for each is presented in the table in Appendix "A".

Determinants of Health

National governments and health organizations around the world have identified a broad range of social, economic and environmental factors that have been demonstrated to have a strong influence on the health of populations and individuals. The Public Health Agency of Canada outlines various determinants of health – some of which are social determinants – such as income and social status, social support networks, education, employment and working

¹ http://www.chssn.org/En/Networking_Partnership.html

conditions, health services, physical and social environments, biology and genetic endowment, personal health practices and coping skills, healthy child development, gender and culture.²

Suggested Readings

Mikkonen, J., & Raphael, D. (2010). *Social Determinants of Health: The Canadian Facts*. Toronto: York University School of Health Policy and Management
<http://www.thecanadianfacts.org/>

Raphael, D. (2009). *Social Determinants of Health: Canadian Perspectives*, 2nd edition. Toronto: Canadian Scholars' Press.

World Health Organization (2008). *Closing the gap in a Generation: Health Equity through Action on the Social Determinants of Health*. Geneva: World Health Organization.

Methodological Notes

Data Source and Constraints

This report is based on a series of tables developed by the Community Health and Social Services Network (CHSSN) based on data from the 2011 National Household Survey (NHS).

It should be noted that there are differences between the 2011 National Household Survey (NHS) estimates and census counts. The 2011 Census of Population and the 2011 National Household Survey (NHS) both provide information on the Canadian population for various levels of geography and for numerous topics (e.g., demography, marital status, family and language) including characteristics associated with these topics. There are two reasons which explain the differences between the counts for the 2011 Census and the 2011 National Household Survey:

- the target population for the 2011 Census includes usual residents in collective dwellings and persons living abroad, whereas the target population for the NHS excludes them.
- the NHS estimates are derived from a sample survey and are therefore subject to sampling error and are also subject to potentially higher non-response error than in the census due to the survey's voluntary nature.

Given the limits to the NHS data mentioned above and due to the fact that cross-tabulations of small populations produce even smaller population counts which are unreliable for statistical analysis, profiles have not been produced for territories where the number of English speakers falls below 250 persons. In this 2013-2014 Baseline Data Report, profiles will be produced for 72

² Public Health Agency of Canada. "What Determines Health?" www.phac-aspc.gc.ca/ph-sp/determinants/index-eng.php Accessed March 2014.

CSSS territories and 83 CLSC territories. Data for individual sub-items (ex. Population living alone) is also suppressed when the count is less than 25.

Percentages may not always add up to 100% due to rounding.

Linguistic definitions

There are numerous linguistic definitions that are used to identify the English-speaking population in Québec. The choice of linguistic indicator depends largely on the issue being examined. This report uses the [First Official Language Spoken](#) (FOLS) definition with multiple responses proportionally distributed since it best reflects the total English-speaking health service users in the province. First Official Language Spoken is derived from three census questions: knowledge of official languages, mother tongue and home language. Dual responses are divided equally among English-speaking and French-speaking groups.

Other definitions include [Mother tongue](#) which refers to the first language learned at home in childhood and still understood. The [language most often spoken at home](#) is used to designate the home language. [Knowledge of official languages](#) indicates the official language in which a person can carry on a conversation. The [language used most often at work](#) indicates the language spoken most frequently at work.

Geographic Regions

The 2013-2014 Baseline Data Report consists of a series of stand-alone documents which present key data for the CSSS and CLSC territories in Quebec in which there are at least 250 English-speaking residents.

Demographic and Socio-economic Characteristics

The demographic and socio-economic variables addressed in the 2013-2014 BDR are:

- Population size
- Age structure
- Household living arrangements
- Educational attainment
- Labour force activity
- Income
- Low-income cut-off (LICO)

Statistics Canada Definitions

While for the most part the meanings of demographic and administrative terms are clarified as they arise in the report, the online Statistics Canada dictionary for the National Household Survey³ may also be consulted.

³ <http://www12.statcan.gc.ca/nhs-enm/2011/ref/dict/99-000-x2011001-eng.pdf>

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Demographic Size

Studies have confirmed that language barriers affect access and quality of care for linguistic minority communities. Obstacles to communication can reduce recourse to preventative services; increase consultation time including the number of tests and the possibility of diagnostic and treatment errors; affect the quality of services requiring effective communication such as social services; reduce the probability of treatment compliance and reduce users' satisfaction with the services received.⁴ In the complex context of a medical situation, where the communication between care provider and patient is a key factor in the achievement of a positive health outcome, it is not surprising that the language spoken most often is considered the most effective. The treatment by health professionals of sensitive issues such as cancer, addiction, or depression, requires ease of communication as a feature of building trust and offering comfort to patients.

Table 1 - Population Size

Population Size		RSS de la Montérégie	CSSS Haut-Richelieu-Rouville	CLSC Chambly-Carignan-Marieville
FOLS - English speakers	number	155,630	6,393	2,420
	percentage	11.0%	3.7%	3.9%
FOLS - French speakers	number	1,267,970	167,400	60,410
	percentage	89.5%	96.4%	96.3%
Total population	number	1,417,485	173,635	62,735
	percentage	100.0%	100.0%	100.0%

Source: Statistics Canada, 2011 National Household Survey. The linguistic concept used is First Official Language Spoken with multiple responses proportionately distributed between the English and the French.

- Across the RSS de la Montérégie, there were 155,630 English speakers, representing 11.0% of the regional population.
- There were 6,393 English speakers living in the CSSS Haut-Richelieu-Rouville territory where they represented 3.7% of the population. This share is much lower than the overall regional share for English speakers.
- In CLSC Chambly-Carignan-Marieville, we find 2,420 English speakers where they represented 3.9% of the population. This proportion is similar to that represented by English speakers across the CSSS Haut-Richelieu-Rouville territory.

⁴ See Bowen, S. (2001). Language Barriers in Access to Health Care, Ottawa: Health Canada. And, Bowen, S. et al. (2010). From 'multicultural health' to 'knowledge translation' – rethinking strategies to promote language access within a risk management framework. *The Journal of Specialized Translation (Jostrans)*, Issue 14, http://www.jostrans.org/issue14/art_bowen.php. See also, Jacobs, E, and A. Chen, L. Karliner, N. Agger-Gupta & S. Mutha. (2006). "The Need for More Research on Language Barriers in Health Care: A Proposed Research Agenda". *The Millbank Quarterly*, Vol. 84, No. 1, pp. 111-133.

Age Structure

The distribution of the English-speaking population across age categories, and the extent to which language majority and minority communities differ in accordance to age, is important in understanding their distinct health needs and resources. Each stage of life tends to be associated with specific health and social service needs. The strategy for meeting these needs by public agencies must also take the age and age-related competencies of the client group into consideration. Typically, the age structure of the majority is important in shaping the scope and design of available health services and programs. Improving the health and the vitality of all citizens residing in a given territory requires awareness of the problems that are pressing for the minority and may be overlooked in the focus on the majority, and, awareness of problems that are shared by both language groups but are being met with solutions that are not equally accessible for both.

Table 2 - Age Structure of the Population

Age Structure of the Population	RSS de la Montérégie		CSSS Haut-Richelieu-Rouville		CLSC Chambly-Carignan-Marieville	
	English	French	English	French	English	French
Total - Age groups	155,630	1,267,970	6,393	167,400	2,420	60,410
0-14 years	25,815	216,550	993	29,950	413	11,900
15-24 years	19,240	161,955	723	21,530	290	7,685
25-44 years	43,150	321,150	1,683	44,645	680	17,200
45-64 years	45,635	392,880	1,853	50,500	693	17,380
65+ years	21,790	175,440	1,135	20,770	343	6,250

Source: Statistics Canada, 2011 National Household Survey. The linguistic concept used is First Official Language Spoken with multiple responses proportionately distributed between the English and the French.

Children (aged 0-14)

- Across the RSS de la Montérégie, there were 25,815 English-speaking children aged 0-14, representing 16.6% of the English-speaking population. The proportion of children in the English-speaking population is similar to the level in the French-speaking majority population in the RSS de la Montérégie region.
- There were 993 English-speaking children aged 0-14 living in CSSS Haut-Richelieu-Rouville where they account for 15.5% of the population. The proportion of children in this territory's English-speaking population is similar to their proportion in the French-speaking majority population. This proportion is lower than the level for English-speaking children across the region.
- In CLSC Chambly-Carignan-Marieville, we find 413 English-speaking children aged 0-14 where they represent 17.1% of the population. This share is higher than that exhibited by English-speaking children across CSSS Haut-Richelieu-Rouville. The proportion of children in the territory's English-speaking population is lower than the share in the CLSC Chambly-Carignan-Marieville French-speaking majority population.

Seniors (aged 65 and over)

- Across the RSS de la Montérégie, there were 21,790 English-speaking seniors aged 65+ representing 14.0% of the English-speaking population. The proportion of seniors in the English-speaking population is similar to that found in the French-speaking majority population in the RSS de la Montérégie region.
- There were 1,135 English-speaking seniors aged 65+ living in CSSS Haut-Richelieu-Rouville where they accounted for 17.8% of the population. This share is much higher than that of English-speaking seniors across the RSS de la Montérégie. The proportion of seniors in this territory's English-speaking population is much higher than their proportion in the French-speaking majority population.
- In CLSC Chambly-Carignan-Marieville, we find 343 English-speaking seniors aged 65+ where they account for 14.2% of the population. This share is much higher than that of English-speaking seniors across CSSS Haut-Richelieu-Rouville. The proportion of seniors in the English-speaking population of CLSC Chambly-Carignan-Marieville is much lower than the proportion in the French-speaking majority population.

Income

Long-standing and substantial research provides evidence that income and social status are key determinants of the level of health and well-being experienced by communities and their members. Low-income Canadians are more likely to die earlier and to suffer more illnesses than Canadians with higher incomes, regardless of age, sex, race and place of residence.⁵ For vulnerable low-income households language barriers in access to public health services loom large as they cannot afford private care services nor are they likely to have access to work-related benefits or private insurance coverage. Studies also suggest that the distribution of income in a given society may be a more important determinant of health than the total amount of income earned by society members. Large gaps in income distribution lead to increases in social problems and poorer health among the population as a whole⁶.

Table 3 - Income

Population 15+ years, by Income Group	RSS de la Montérégie		CSSS Haut-Richelieu- Rouville		CLSC Chambly- Carignan-Marieville	
	English	French	English	French	English	French
Population 15+ by total income	129,820	1,051,420	5,400	137,455	2,008	48,520
Less than \$20,000	52,945	383,570	2,203	50,005	818	15,930
\$20,000 - \$49,999	46,193	405,285	1,883	54,735	690	19,660
\$50,000 +	30,683	262,560	1,313	32,705	505	12,930

Source: Statistics Canada, 2011 National Household Survey. The linguistic concept used is First Official Language Spoken with multiple responses proportionately distributed between the English and the French.

Income under \$20k

- Across the RSS de la Montérégie in 2011, there were 52,945 English speakers aged 15+ with income under \$20k. This group represents 40.8% of the English-speaking population aged 15 and over. The proportion of English speakers with income under \$20k is higher than that found in the French-speaking majority population in the RSS de la Montérégie region.
- There were 2,203 English speakers with income under \$20k in CSSS Haut-Richelieu-Rouville where they represent 40.8% of the English-speaking population aged 15 and over. This share is similar to that displayed by the regional English-speaking population. The proportion of those with income under \$20k in CSSS Haut-Richelieu-Rouville's English-speaking population is higher than the proportion in the French-speaking majority population.

⁵ Public Health Agency of Canada, <http://www.phac-aspc.gc.ca/ph-sp/determinants/determinants-eng.php#evidence> Accessed March 2014

⁶ Ibid

- In CLSC Chambly-Carignan-Marieville, we find 818 English speakers with income under \$20k where they account for 40.7% of the population. This share is similar to that experienced by English speakers across CSSS Haut-Richelieu-Rouville. The proportion of those with income under \$20k in the territory's English-speaking population is much higher than the proportion for the French-speaking majority population in CLSC Chambly-Carignan-Marieville.

Earning \$50k and over

- Across the RSS de la Montérégie, there were 30,683 English speakers with income over \$50k who represented 23.6% of the English-speaking population aged 15 and over. The proportion of high earners in the English-speaking population is lower than that found in the French-speaking majority population the RSS de la Montérégie region.
- There were 1,313 English speakers with income over \$50k living in CSSS Haut-Richelieu-Rouville where they represented 24.3% of the population. This proportion was similar to the proportion of English-speaking high earners across the RSS de la Montérégie. The proportion of high earners in the English-speaking population is similar to the share of high earners in the French-speaking majority population in CSSS Haut-Richelieu-Rouville.
- In CLSC Chambly-Carignan-Marieville, we find 505 English-speaking high earners where they represent 25.1% of the population. This share is similar to that experienced by English-speaking high earners across CSSS Haut-Richelieu-Rouville. The proportion of high earners in the territory's English-speaking population is lower than the proportion of high earners in the territory's French-speaking majority population.

Household Living Arrangements

Household living arrangements may be used as an indicator of groups within a population who are vulnerable to a poor health status. For example, the Quebec Social and Health Survey (1998) revealed that parents of minors living in lone parent households were more likely to report food insecurity, high levels of psychological distress and having more than one health problem compared to parents with other household arrangements.⁷ Individuals living alone may lack the important health benefits of a strong support network in the event of activity limitations due to illness or aging.

Table 4 - Population by Household Living Arrangements

Population by Household Living Arrangements	RSS de la Montérégie		CSSS Haut-Richelieu-Rouville		CLSC Chambly-Carignan-Marieville	
	English	French	English	French	English	French
Total - Household living arrangements	129,815	1,051,420	5,400	137,450	2,008	48,520
Total persons in households with at least one census family	112,328	868,930	4,510	113,640	1,805	41,285
Married spouses, common-law partners	79,683	631,070	3,265	82,855	1,233	30,435
Lone parents	6,770	57,920	308	7,630	130	2,635
Children in families with two parents present	16,800	114,140	573	14,290	258	5,145
Children in families with one parent present	6,328	48,185	233	6,195	115	2,185
Persons not in census families, living with relatives	1,863	10,780	60	1,540	45	495
Total persons in non-census family households	17,488	182,490	895	23,810	200	7,225
Living with non-relatives only	2,148	23,920	100	3,635	40	1,135
Living alone	14,255	150,870	770	19,265	160	5,785

Source: Statistics Canada, 2011 National Household Survey. The linguistic concept used is First Official Language Spoken with multiple responses proportionately distributed between the English and the French.

⁷ For discussion of the survey, see Pocock, J. (2008) "Baseline Data Report 2007-2008. Quebec's Social and Health Survey Information." *Community Health and Social Services Network (CHSSN)*. www.chssn.org

Living in census families⁸

- Across the RSS de la Montérégie, there were 112,328 English speakers living in households with at least one census family. This group represents 86.5% of the 15+ English-speaking population. The proportion of English speakers living in households with at least one census family is similar to that found in the French-speaking majority population in the RSS de la Montérégie region.
- There were 4,510 English speakers living in households with at least one census family in CSSS Haut-Richelieu-Rouville where they comprise 83.5% of the population. This share is similar to that displayed by the English-speaking population across the RSS de la Montérégie. The proportion of those living in households with at least one census family in CSSS Haut-Richelieu-Rouville's English-speaking population is similar to the proportion in the French-speaking majority population.
- In CLSC Chambly-Carignan-Marieville, we find 1,805 English speakers living in households with at least one census family where they account for 89.9% of the population. This share is higher than that accounted for by English speakers across CSSS Haut-Richelieu-Rouville. The proportion of persons living in households with at least one census family in the CLSC Chambly-Carignan-Marieville English-speaking population is higher than the proportion represented by the French-speaking majority population in this territory.

Living in lone-parent families

- Across the RSS de la Montérégie, there were 6,770 English speakers living in lone-parent families. This group represents 5.2% of the English-speaking population. The proportion of English speakers living in lone-parent families is lower than the proportion found in the French-speaking majority population in the RSS de la Montérégie region.
- There were 308 English speakers living in lone-parent families in CSSS Haut-Richelieu-Rouville where they account for 5.7% of the population. The proportion of those living in lone-parent families in this territory's English-speaking population is similar to the proportion found in the French-speaking majority population. The proportion is higher than that found in the RSS de la Montérégie English-speaking population.
- In CLSC Chambly-Carignan-Marieville, we find 130 English speakers living in lone-parent families where they represent 6.5% of the population. This is similar to the proportion represented by the French-speaking majority population in this territory. The proportion of English speakers living in lone-parent families in the CLSC Chambly-Carignan-Marieville English-speaking population is higher than the proportion we find for English speakers across CSSS Haut-Richelieu-Rouville.

⁸ Under Statistics Canada's terminology, a census family refers "a married couple (with or without children of either and/or both spouses), a common-law couple (with or without children of either and/or both partners) or a lone parent of any marital status, with at least one child. A couple may be of opposite sex or same sex. 'Children' in a census family include grandchildren living with their grandparent(s) but with no parents present." (<http://www12.statcan.gc.ca/nhs-enm/2011/ref/dict/99-000-x2011001-eng.pdf>)

Living alone

- Across the RSS de la Montérégie, there were 14,255 English speakers living alone. This group represents 11.0% of the English-speaking population. The proportion of English speakers living alone is much lower than the level in the French-speaking majority population in the RSS de la Montérégie region.
- There were 770 English speakers living alone in CSSS Haut-Richelieu-Rouville where they account for 14.3% of the population. This level is much higher than that displayed by the regional English speaking population. The proportion of those living alone in the CSSS Haut-Richelieu-Rouville English speaking population is similar to the proportion found in the French-speaking majority population.
- In CLSC Chambly-Carignan-Marieville, we find 160 English speakers living alone where they represent 8.0% of the population. This share is much lower than that exhibited by English speakers across CSSS Haut-Richelieu-Rouville. The proportion of those living alone in the CLSC Chambly-Carignan-Marieville English speaking population is much lower than the proportion exhibited by the French-speaking majority population in this territory.

Low-Income Cut-off

Although there is no official measure of poverty in Canada, the Statistics Canada measure of Low Income Cut-Offs (LICO) is probably the best known. Commonly known as the “poverty line”, LICO uses the income levels of a given family and considers how large a share of its income is spent on necessities such as food, shelter and clothing. If the amount a family spends is 20% higher than an average family in a year, it falls into the low income cut-off category. People who live below income cut-offs may be said to live in “straitened circumstances.”⁹ The following table considers the population living below LICO by language, administrative territory and age group.

Table 5 - Population Living Below LICO, Within Age Groups

Population Living Below the Low-Income Cut-off (LICO), Across Age Groups	RSS de la Montérégie		CSSS Haut-Richelieu-Rouville		CLSC Chambly-Carignan-Marieville	
	English	French	English	French	English	French
Total - Age groups	15,505	107,120	553	12,760	210	3,865
0-14 years	2,453	17,080	105	2,150	60	770
15-24 years	13,053	90,040	450	10,615	150	3,105
25-44 years	4,530	26,015	135	2,800	55	900
45-64 years	4,835	36,880	160	4,895	65	1,355

Source: Statistics Canada, 2011 National Household Survey. The linguistic concept used is First Official Language Spoken with multiple responses proportionately distributed between the English and the French. The percentages given here compare the number below LICO in a given age group with the total number in that age group as presented in "Table 2 - Age Structure of the Population" of this document.

Population living below the low income cut-off (LICO)

- Across the RSS de la Montérégie, there were 15,505 English speakers living below LICO. This group accounts for 10.0% of the English-speaking population. The proportion of English speakers living below LICO is higher than the proportion in the French-speaking majority population in the RSS de la Montérégie region.
- There were 553 English speakers living below LICO in CSSS Haut-Richelieu-Rouville where they represent 8.7% of the English-speaking population. The proportion of those living below LICO in CSSS Haut-Richelieu-Rouville's English-speaking population is higher than the proportion found in the French-speaking majority population. This English-speaking proportion in CSSS Haut-Richelieu-Rouville is lower than the proportion for the region's English speakers in general.
- In CLSC Chambly-Carignan-Marieville, we find 210 English speakers living below LICO where they represent 8.7% of the English-speaking population. This level is much higher than the proportion for the French-speaking majority population in the same territory. The

⁹ See “Low Income in Canada: 2000-2007 Using the Market Basket Measure” August 2009 by Human Resources and Skills Development Canada for a breakdown on various Low Income Measurements. Available online at <http://www.hrsdc.gc.ca/eng/publications>

proportion of those living below LICO in the territory's English-speaking population is similar to the proportion for English speakers across CSSS Haut-Richelieu-Rouville.

Children (0-14) Living below the low income cut-off (LICO)

- Across the RSS de la Montérégie, there were 2,453 English-speaking children living below LICO. This group represents 9.5% of the population of children. The proportion of English-speaking children living below LICO is much higher than the proportion found for children in the French-speaking majority population in the RSS de la Montérégie region.
- There were 105 English-speaking children living below LICO in the CSSS Haut-Richelieu-Rouville where they account for 10.6% of the children in the territory's English-speaking population. The proportion of children living below LICO in the territory's English-speaking population is much higher than the proportion in the French-speaking majority children's population. This proportion is higher than that displayed by English-speaking children across the region.
- In CLSC Chambly-Carignan-Marieville, we find 60 English-speaking children living below LICO where they represent 14.5% of the English-speaking children's population. This proportion is much higher than the proportion experienced by children in the French-speaking majority in the same territory. The proportion of children living below LICO in the territory's English-speaking population is much higher than the proportion experienced by English-speaking children across CSSS Haut-Richelieu-Rouville.

Seniors (65+) Living below the low income cut-off (LICO)

- Across the RSS de la Montérégie, there were 1,213 English-speaking seniors living below LICO. This group represents 5.6% of the English-speaking senior population. The proportion of English-speaking seniors living below LICO is lower than the proportion of seniors living below LICO in the French-speaking majority population in the RSS de la Montérégie region.
- There were 55 English-speaking seniors living below LICO in CSSS Haut-Richelieu-Rouville where they account for 4.8% of the territory's English-speaking senior population. The proportion of those seniors living below LICO in the territory's English-speaking senior population is similar to the proportion in the French-speaking majority senior population. This proportion is lower than that experienced by English-speaking seniors across the region.
- In CLSC Chambly-Carignan-Marieville, we find 20 English-speaking seniors living below LICO where they represent 5.8% of the English-speaking senior population. This is much higher than the proportion experienced by the French-speaking majority senior population living below LICO in the same territory. The proportion of seniors living below LICO in the territory's English-speaking population is much higher than the level displayed by English-speaking seniors across the CSSS Haut-Richelieu-Rouville territory.

Table 6 - Population Living Below LICO, by Household Living Arrangements

Population Living Below the Low-Income Cut-off Level, by Household Living Arrangements	RSS de la Montérégie		CSSS Haut-Richelieu-Rouville		CLSC Chambly-Carignan-Marieville	
	English	French	English	French	English	French
Total - Household living arrangements	13,053	90,040	450	10,615	150	3,105
Total persons in households with at least one census family	8,825	46,635	295	5,465	100	1,755
Married spouses, common-law partners	4,848	25,700	135	2,970	55	925
Lone parents	1,380	8,205	60	1,010	25	335
Total persons in non-census family households	4,230	43,410	135	5,110	50	1,340
Living alone	3,405	33,845	115	3,870	50	1,055

Source: Statistics Canada, 2011 National Household Survey. The linguistic concept used is First Official Language Spoken with multiple responses proportionately distributed between the English and the French. The percentages given here compare the number below LICO in a given household living arrangement with the total number in that arrangement as presented in "Table 4 - Household Living Arrangements" in this document.

Persons in Census Family Households living below the low income cut-off (LICO)

- Across the RSS de la Montérégie, there were 8,825 English-speaking persons in census family households living below LICO. This group represents 7.9% of the English-speaking population in census family households. The proportion of English-speaking persons in census family households living below LICO is much higher than the proportion found in the French-speaking majority population in this region living below LICO in census family households.
- There were 295 English-speaking persons in census family households living below LICO in CSSS Haut-Richelieu-Rouville where they represent 6.5% of the regional English-speaking population. The proportion of persons in census family households living below LICO in the CSSS Haut-Richelieu-Rouville English-speaking population is much higher than the proportion in the French-speaking majority population. The proportion in the territory's English-speaking population is lower than that found in the regional English-speaking population.
- In CLSC Chambly-Carignan-Marieville, we find 100 English-speaking persons in census family households living below LICO where they account for 5.5% of the English-speaking population. This level is much higher than the proportion experienced by the French-speaking majority population in the same territory. The proportion of those persons in census family households living below LICO in the territory's English-speaking population is lower than the proportion found in the English-speaking population of CSSS Haut-Richelieu-Rouville.

Persons in Lone-Parent Families Living below the low income cut-off (LICO)

- Across the RSS de la Montérégie, there were 1,380 English-speaking persons in lone-parent families living below LICO. This group represents 20.4% of the English-speaking population living in lone-parent families. The proportion of English-speaking persons in lone-parent families living below LICO is much higher than the proportion found in the French-speaking majority population in the RSS de la Montérégie living in lone parent families.
- There were 60 English-speaking persons in lone-parent families living below LICO in CSSS Haut-Richelieu-Rouville where they account for 19.5% of the territory's English-speaking lone-parent family population. The proportion of persons in lone-parent families living below LICO in the English-speaking population of CSSS Haut-Richelieu-Rouville is much higher than the proportion in the French-speaking majority population. The level for the English-speaking territory's population is similar to that found in the regional English-speaking population.
- In CLSC Chambly-Carignan-Marieville, we find 25 English-speaking persons in lone-parent families living below LICO where they account for 19.2% of the English-speaking lone-parent family population. This is much higher than the proportion experienced by the French-speaking majority lone-parent family population in the same territory. The proportion of persons in lone-parent families living below LICO in the territory's English-speaking population is similar to the proportion experienced by English speakers across the CSSS Haut-Richelieu-Rouville territory.

Persons living alone and living below the low income cut-off (LICO)

- Across the RSS de la Montérégie, there were 3,405 English-speaking persons living alone and below LICO. This group represents 23.9% of the English-speaking population living alone. The proportion of English-speaking persons living alone and below LICO is higher than that found in the region's French-speaking majority population living alone.
- There were 115 English-speaking persons living alone and below LICO in CSSS Haut-Richelieu-Rouville where they account for 14.9% of the English-speaking population living alone. The proportion of those persons living alone and below LICO in the territory's English-speaking population is much lower than the proportion in the French-speaking majority population. This English-speaking proportion is much lower than that experienced by the RSS de la Montérégie's English-speaking population.
- In CLSC Chambly-Carignan-Marieville, we find 50 English-speaking persons living alone and below LICO where they represent 31.3% of the English-speaking population living alone. This is much higher than the proportion experienced by the French-speaking majority population living alone in the same territory. The proportion of those persons living alone and below LICO in the territory's English-speaking population is much higher than the proportion experienced by English speakers across the CSSS Haut-Richelieu-Rouville territory.

Highest Educational Attainment

In many ways, education is an important determinant of the health status of a community. In Canada, the level of education achieved by an individual tends to be an indicator of social status, and ideally, a predictor of economic opportunity. The overall level of health literacy and preventative health practice enjoyed by a community also tends to be associated with the years of schooling by those included among its members¹⁰.

Table 7 - Highest Educational Certification, for Selected Age Groups

Highest Educational Certification, by Selected Age Groups		RSS de la Montérégie		CSSS Haut-Richelieu- Rouville		CLSC Chambly- Carignan-Marieville	
		English	French	English	French	English	French
Total	Total	129,815	1,051,420	5,400	137,450	2,008	48,520
	25-44 years	43,150	321,150	1,688	44,650	680	17,200
	45-64 years	45,638	392,875	1,850	50,505	690	17,370
High school diploma or less	Total	54,873	471,260	2,553	65,305	908	21,535
	25-44 years	11,625	86,240	490	12,865	160	4,380
	45-64 years	18,985	165,915	935	23,310	335	7,585
Apprenticeship or trades certificate or diploma	Total	14,330	179,925	768	25,995	245	9,320
	25-44 years	5,315	68,155	360	10,580	115	4,015
	45-64 years	5,343	73,640	240	10,190	60	3,515
College, CEGEP or other non-university certificate or diploma	Total	23,950	178,735	1,103	23,475	408	8,865
	25-44 years	9,015	69,425	418	10,305	190	4,020
	45-64 years	8,353	66,250	290	8,635	100	3,360
University certificate or diploma below bachelor level	Total	6,845	50,575	208	5,700	95	2,045
	25-44 years	2,608	15,640	65	1,795	30	760
	45-64 years	2,575	22,085	105	2,590	55	900
University certificate, diploma or degree at bachelor level or above	Total	29,815	170,915	783	16,980	360	6,745
	25-44 years	14,583	81,680	350	9,085	175	4,000
	45-64 years	10,383	64,975	268	5,745	135	1,995
High school diploma or less	Total	42.3%	44.8%	47.3%	47.5%	45.2%	44.4%
	25-44 years	26.9%	26.9%	29.0%	28.8%	23.5%	25.5%
	45-64 years	41.6%	42.2%	50.5%	46.2%	48.6%	43.7%
Apprenticeship or trades certificate or diploma	Total	11.0%	17.1%	14.2%	18.9%	12.2%	19.2%
	25-44 years	12.3%	21.2%	21.3%	23.7%	16.9%	23.3%
	45-64 years	11.7%	18.7%	13.0%	20.2%	8.7%	20.2%
College, CEGEP or other non-university certificate or diploma	Total	18.4%	17.0%	20.4%	17.1%	20.3%	18.3%
	25-44 years	20.9%	21.6%	24.8%	23.1%	27.9%	23.4%
	45-64 years	18.3%	16.9%	15.7%	17.1%	14.5%	19.3%
University certificate or diploma below bachelor level	Total	5.3%	4.8%	3.9%	4.1%	4.7%	4.2%
	25-44 years	6.0%	4.9%	3.9%	4.0%	4.4%	4.4%
	45-64 years	5.6%	5.6%	5.7%	5.1%	8.0%	5.2%
University certificate, diploma or degree at bachelor level or above	Total	23.0%	16.3%	14.5%	12.4%	17.9%	13.9%
	25-44 years	33.8%	25.4%	20.7%	20.3%	25.7%	23.3%
	45-64 years	22.8%	16.5%	14.5%	11.4%	19.6%	11.5%

Source: Statistics Canada, 2011 National Household Survey. The linguistic concept used is First Official Language Spoken with multiple responses proportionately distributed between the English and the French.

¹⁰ For further discussion of education as a health determinant and the Population Health Model see J. Carter, A Community Guide to the Population Health Approach. *Community Health and Social Services Network (CHSSN)*, www.chssn.org, March 2003. See Also, D. Raphael. (ed.) (2009) *Social Determinants of Health: Canadian Perspectives*, 2nd edition. Toronto: Canadian Scholar's Press.

Population aged 15+, high school diploma or less

- Across the RSS de la Montérégie, there were 54,873 English speakers aged 15 and over with a high school diploma or less. This group accounts for 42.3% of the English-speaking population aged 15 and over. The proportion of English speakers aged 15 and over with a high school diploma or less is lower than the level found in the French-speaking majority population aged 15 and over across the region.
- There were 2,553 English speakers aged 15 and over with a high school diploma or less in CSSS Haut-Richelieu-Rouville where they account for 47.3% of the territory's English-speaking population aged 15 and over. The proportion of those aged 15 and over with a high school diploma or less in the territory's English-speaking population is similar to the proportion in the French-speaking majority population. The level for the territory's English-speaking proportion is higher than that exhibited by English speakers across the RSS de la Montérégie.
- In CLSC Chambly-Carignan-Marieville, we find 908 English speakers aged 15 and over with a high school diploma or less where they represent 45.2% of the English-speaking population aged 15 and over. This level is similar to the proportion exhibited by the French-speaking majority population aged 15 and over in the same territory. The proportion of those aged 15 and over with a high school diploma or less in the English-speaking population is similar to the proportion exhibited by the English speakers across the CSSS Haut-Richelieu-Rouville territory.

Population 25-44, high school diploma or less

- Across the RSS de la Montérégie region, there were 11,625 English speakers aged 25-44 with a high school diploma or less. This group represents 26.9% of the regional English-speaking population aged 25 to 44. The proportion of English speakers aged 25-44 with a high school diploma or less is similar to that found in the regional French-speaking majority population in the same age cohort.
- There were 490 English speakers aged 25-44 with a high school diploma or less in CSSS Haut-Richelieu-Rouville where they account for 29.0% of the territory's English-speaking population. The proportion of those aged 25-44 with a high school diploma or less in the English-speaking population is similar to the proportion in the territory's French-speaking majority population in that age group. This proportion is higher than that exhibited by English speakers across the RSS de la Montérégie region in the same age cohort.
- In CLSC Chambly-Carignan-Marieville, we find 160 English speakers aged 25-44 with a high school diploma or less where they comprise 23.5% of the English-speaking 25-44 cohort. This is lower than the proportion in the French-speaking majority 25-44 cohort in the same territory. The proportion of those aged 25-44 with a high school diploma or less in the territory's English-speaking population is lower than the proportion exhibited by English speakers across the CSSS Haut-Richelieu-Rouville territory.

Population 45-64, high school diploma or less

- In the RSS de la Montérégie, there were 18,985 English-speaking aged 45-64 with a high school diploma or less. This group represents 41.6% of the English-speaking population. The proportion of English speakers aged 45-64 with a high school diploma or less is similar to that found in the same age cohort of the regional French-speaking majority population.
- There were 935 English speakers aged 45-64 with a high school diploma or less in the CSSS Haut-Richelieu-Rouville territory where they account for 50.5% of the English-speaking population there. The proportion of those aged 45-64 with a high school diploma or less in this territory's English-speaking population is higher than the proportion in the territory's French-speaking majority population. This English-speaking proportion is much higher than that exhibited by the RSS de la Montérégie region's English speakers.
- In CLSC Chambly-Carignan-Marieville, we find 335 English speakers aged 45-64 with a high school diploma or less where they comprise 48.6% of the English-speaking population. This is higher than the proportion exhibited by the French-speaking majority population in the same territory. The proportion of those aged 45-64 with a high school diploma or less in the territory's English-speaking population is similar to the proportion exhibited by English speakers across the CSSS Haut-Richelieu-Rouville territory.

Population aged 15+, university degree or higher

- In the RSS de la Montérégie, there were 29,815 English-speaking aged 15 and over with a university degree or higher. This group represents 23.0% of the English-speaking population. The proportion of English speakers aged 15 and over with a university degree or higher is much higher than that found in the same age cohort in the French-speaking majority population in the RSS de la Montérégie region.
- There were 783 English speakers aged 15 and over with a university degree or higher in the CSSS Haut-Richelieu-Rouville territory where they account for 14.5% of the territory's English-speaking population. The proportion of those aged 15 and over with a university degree or higher in the territory's English-speaking population is higher than the proportion in the French-speaking majority population. This English-speaking proportion is much lower than that exhibited by the RSS de la Montérégie region's English speakers.
- In CLSC Chambly-Carignan-Marieville, we find 360 English speakers aged 15 and over with a university degree or higher where they represent 17.9% of the English-speaking population. This is much higher than the proportion exhibited by the French-speaking majority population in the same territory. The proportion of those aged 15 and over with a university degree or higher in the territory's English-speaking population is much higher than the proportion exhibited by English speakers across CSSS Haut-Richelieu-Rouville.

Population 25-44, university degree or higher

- In the RSS de la Montérégie, there were 14,583 English speakers aged 25-44 with a university degree or higher. This group accounts for 33.8% of the English-speaking population. The proportion of English speakers aged 25-44 with a university degree or higher is much higher than that found in the same age cohort in the French-speaking majority population across the region.
- There were 350 English speakers aged 25-44 with a university degree or higher in CSSS Haut-Richelieu-Rouville where they represent 20.7% of the territory's English-speaking population. The proportion of those aged 25-44 with a university degree or higher in this territory's English-speaking population is similar to the proportion in the French-speaking majority population. This territory's English-speaking proportion is much lower than that exhibited by English speakers across the RSS de la Montérégie region.
- In CLSC Chambly-Carignan-Marieville, we find 175 English speakers aged 25-44 with a university degree or higher where they comprise 25.7% of the English-speaking population. This is higher than the proportion exhibited by the French-speaking majority population in the same territory. The proportion of those aged 25-44 with a university degree or higher in the territory's English-speaking population is much higher than the proportion exhibited by English speakers across CSSS Haut-Richelieu-Rouville.

Population 45-64, university degree or higher

- Across the RSS de la Montérégie region, there were 10,383 English speakers aged 45-64 with a university degree or higher. This group represents 22.8% of the English-speaking population. The proportion of English speakers aged 45-64 with a university degree or higher is much higher than that found in the same age cohort in the RSS de la Montérégie region's French-speaking majority population.
- There were 268 English speakers aged 45-64 with a university degree or higher in CSSS Haut-Richelieu-Rouville where they represent 14.5% of the English-speaking population. The proportion of those aged 45-64 with a university degree or higher in the territory's English-speaking population is much higher than the proportion in the French-speaking majority population. This territory's English-speaking proportion is much lower than that exhibited by the region's English speakers.
- In CLSC Chambly-Carignan-Marieville, we find 135 English speakers aged 45-64 with a university degree or higher where they comprise 19.6% of the English-speaking population. This level is much higher than the proportion exhibited by the French-speaking majority population in the same territory. The proportion of those aged 45-64 with a university degree or higher in the territory's English-speaking population is much higher than the proportion exhibited by English speakers across CSSS Haut-Richelieu-Rouville.

Labour Force Activity

The rate and type of labour force participation experienced by a community and its members is strongly associated with health status. In industrial nations like Canada, labour force activity is linked with level of income as well as the level of social integration enjoyed by a group.

Employment is an important source of social identity and a key context for the establishment of a social support network that extends beyond the workplace. For an individual, work is an important source of the self-esteem and sense of control typically associated with good mental health.¹¹

Table 8 - Labour Force Activity

Labour Force Activity	RSS de la Montérégie		CSSS Haut-Richelieu-Rouville		CLSC Chambly-Carignan-Marieville	
	English	French	English	French	English	French
Total - Labour force activity	129,815	1,051,420	5,400	137,450	2,008	48,520
In the labour force	85,315	710,200	3,483	95,905	1,363	35,850
Employed	78,748	670,450	3,263	90,725	1,255	33,985
Unemployed	6,565	39,740	215	5,155	100	1,850
Out of the labour force	44,505	341,225	1,918	41,550	650	12,665

Source: Statistics Canada, 2011 National Household Survey. The linguistic concept used is First Official Language Spoken with multiple responses proportionately distributed between the English and the French.

Unemployed

- Across the RSS de la Montérégie, there are 6,565 English speakers who are unemployed resulting in an unemployment rate of 7.7%. The unemployment rate of the region's English speakers is much higher than the unemployment rate of the French-speaking majority.
- There are 215 unemployed English speakers in the CSSS Haut-Richelieu-Rouville territory where they experience an unemployment rate of 6.2%. The unemployment rate of the territory's English-speaking population is higher than the unemployment rate in the French-speaking majority population. Their unemployment rate is lower than that experienced by the region's English-speaking population.
- In CLSC Chambly-Carignan-Marieville, we find 100 unemployed English speakers resulting in an unemployment rate of 7.3%. This is much higher than the unemployment rate experienced by the French-speaking majority population in the same territory. The unemployment rate of the English-speaking population is higher than the unemployment rate experienced by English speakers across CSSS Haut-Richelieu-Rouville.

¹¹ For further discussion of employment and working conditions as health determinants and the Population Health Model see J. Carter, A Community Guide to the Population Health Approach, Community Health and Social Services Network (CHSSN), www.chssn.org, March 2003. See also D. Raphael (ed.) (2009) Social Determinants of Health: Canadian Perspectives, 2nd Edition. Toronto: Canadian Scholar's Press.

Out of the labour force¹²

- Across the RSS de la Montérégie, there were 44,505 English speakers out of the labour force. This group represents 34.3% of the English-speaking population aged 15+. The proportion of English speakers out of the labour force is higher than that found in the regional French-speaking majority population aged 15 and over.
- There were 1,918 English speakers out of the labour force in the CSSS Haut-Richelieu-Rouville territory where they comprise 35.5% of the English-speaking population aged 15+. The proportion of those out of the labour force in the territory's English-speaking population is higher than the proportion in the French-speaking majority population. This territory's English-speaking proportion is similar to that exhibited by the region's English-speaking population.
- In CLSC Chambly-Carignan-Marieville, we find 650 English speakers aged 15+ out of the labour force where they account for 32.4% of the English-speaking population. This is much higher than the proportion exhibited by the French-speaking majority population in the same territory. The proportion of those out of the labour force in this territory's English-speaking population is lower than the proportion exhibited by English speakers across CSSS Haut-Richelieu-Rouville.

¹² The Statistics Canada category "[out of the labour force](http://www12.statcan.gc.ca/nhs-enm/2011/ref/dict/99-000-x2011001-eng.pdf)" refers to persons 15 years and over, excluding institutional residents, who were neither employed nor unemployed during the week of Sunday May 1 to Saturday May 7, 2011. It includes students, homemakers, retired workers, and seasonal workers in an "off" season who were not looking for work because of a long-term illness or disability. (<http://www12.statcan.gc.ca/nhs-enm/2011/ref/dict/99-000-x2011001-eng.pdf>)

Appendix “A” – Baseline Data Report Series

Year	Title	Data Source
2003-2004	Regional Profiles of English-speaking Communities	2001 Census
2004-2005	Profiles of English-speaking Communities In Selected CLSC Territories	2001 Census
2005-2006	English-Language Health and Social Services Access in Québec	2005 CHSSN-CROP Survey on Community Vitality
2006-2007	Community Network Building	Case studies (qualitative interviews)
2007-2008	Health and Social Survey Information on Quebec's English-speaking Communities	1998 Québec Health and Social Survey
2008-2009	Regional Profiles of Quebec’s English-speaking Communities: Selected 1996-2006 Census Findings	1996 and 2006 Census
2009-2010	Demographic Profiles of Quebec’s English-speaking Communities for Selected CSSS Territories	1996 and 2006 Census
2010-2011	English-Language Health and Social Services Access in Québec	2010 CHSSN-CROP Survey on Community Vitality
2011-2012	Socio-economic Profiles of English-speaking Visible Minority Population by Quebec Health Region	2006 Census of Canada
2012-2013	Quebec’s English-speaking Community Networks and their Partners in Public Health and Social Services	Survey of NPI groups and interviews
2013-2014	Demographic Profiles of the English-speaking Communities of Selected CSSS and CLSC Territories	2011 National Household Survey

Sources and References

- Bowen, S. (2001). *Language Barriers in Access to Health Care*, Ottawa: Health Canada.
- Bowen, S., Gibbons, M., Roy, J. and Edwards, J. (2010). From 'multicultural health' to 'knowledge translation' – rethinking strategies to promote language access within a risk management framework. *The Journal of Specialized Translation (Jostrans)*, Issue 14, http://www.jostrans.org/issue14/art_bowen.php.
- Carter, J. (2003). *A Community Guide to the Population Health Approach*. Community Health and Social Services Network (CHSSN), www.chssn.org
- Consultative Committee for English-speaking Minority Communities (CCESMC) 2002, *Report to the Federal Minister of Health*, Ottawa: Health Canada.
- Galabuzi, G. (2002). "Social Exclusion" in Raphael, D (ed.) *Social Determinants of Health: Canadian Perspectives*. Toronto: Canadian Scholar's Press Inc. pp.235-251.
- Human Resources and Skills Development Canada (2009). "Low Income in Canada: 2000-2007 Using the Market Basket Measure" August 2009, available online at <http://www.hrsdc.gc.ca/eng/publications>
- Jacobs, E., and A. Chen, L. Karliner, N. Agger-Gupta & S. Mutha. (2006). "The Need for More Research on Language Barriers in Health Care: A Proposed Research Agenda". *The Millbank Quarterly*, Vol. 84, No.1, pp.111-133.
- Mikkonen, J., & Raphael, D. (2010). *Social Determinants of Health: The Canadian Facts*. Toronto: York University School of Health Policy and Management
- Pocock, J. (2008). *Baseline Data Report 2007-2008. Quebec's Social and Health Survey Information*. Community Health and Social Services Network. (CHSSN). www.chssn.org
- Public Health Agency of Canada. "What Determines Health?" www.phac-aspc.gc.ca/ph-sp/determinants/index-eng.php Accessed March 2014.
- Raphael, D. (Ed.) (2009) *Social Determinants of Health: Canadian Perspectives, 2nd edition*. Toronto: Canadian Scholar's Press.
- Statistics Canada. (2014). *2011 National Household Survey*, Ottawa. Series of tables specified by Canadian Heritage.
- World Health Organization (2008). *Closing the gap in a Generation: Health Equity through Action on the Social Determinants of Health*. Geneva: World Health Organization.