

CHSSN

*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 CSSS DE MEMPHRÉMAGOG (0506)**

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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 meaning 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>

Series of Tables – Demographic Characteristics

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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 | | Quebec | RSS de l'Estrie | CSSS de Memphrémagog |
|-------------------------|------------|-----------|-----------------|----------------------|
| FOLS - English speakers | number | 1,046,498 | 22,593 | 7,363 |
| | percentage | 13.5% | 7.5% | 15.5% |
| FOLS - French speakers | number | 6,734,530 | 280,560 | 40,335 |
| | percentage | 87.1% | 92.7% | 84.7% |
| Total population | number | 7,732,520 | 302,810 | 47,610 |
| | 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 Quebec, there were 1,046,498 English speakers, representing 13.5% of the provincial population.
- There were 22,593 English speakers living in the RSS de l'Estrie region where they represented 7.5% of the population. This share is much lower than the overall provincial share for English speakers.
- In CSSS de Memphrémagog, we find 7,363 English speakers where they represented 15.5% of the population. This proportion is much higher than that represented by English speakers across the RSS de l'Estrie 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 | Quebec | | RSS de l'Estrie | | CSSS de Memphrémagog | |
|---------------------------------|-----------|-----------|-----------------|---------|----------------------|--------|
| | English | French | English | French | English | French |
| Total - Age groups | 1,046,498 | 6,734,530 | 22,593 | 280,560 | 7,363 | 40,335 |
| 0-14 years | 158,640 | 1,090,615 | 3,075 | 45,935 | 1,123 | 5,865 |
| 15-24 years | 145,523 | 847,580 | 2,850 | 36,165 | 645 | 4,095 |
| 25-44 years | 316,405 | 1,750,675 | 5,060 | 67,310 | 1,295 | 8,320 |
| 45-64 years | 287,858 | 2,065,815 | 6,733 | 87,430 | 2,253 | 14,485 |
| 65+ years | 138,065 | 979,840 | 4,880 | 43,715 | 2,048 | 7,575 |

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 Quebec, there were 158,640 English-speaking children aged 0-14, representing 15.2% of the English-speaking population. The proportion of children in the English-speaking population is lower than the level in the French-speaking majority population in Quebec.
- There were 3,075 English-speaking children aged 0-14 living in RSS de l'Estrie where they account for 13.6% of the population. The proportion of children in the regional English-speaking population is much lower than their proportion in the regional French-speaking majority population. This proportion is lower than the level for English-speaking children across the province.
- In CSSS de Memphrémagog, we find 1,123 English-speaking children aged 0-14 where they represent 15.3% of the population. This share is higher than that exhibited by English-speaking children across the RSS de l'Estrie region. The proportion of children in the territory's English-speaking population is similar to the share in the CSSS de Memphrémagog French-speaking majority population.

Seniors (aged 65 and over)

- Across Quebec, there were 138,065 English-speaking seniors aged 65+ representing 13.2% of the English-speaking population. The proportion of seniors in the English-speaking population is lower than that found in the French-speaking majority population in Quebec.
- There were 4,880 English-speaking seniors aged 65+ living in the RSS de l'Estrie region where they accounted for 21.6% of the population. This share is much higher than that of English-speaking seniors across the province. The proportion of seniors in the regional English-speaking population is much higher than their proportion in the French-speaking majority population.
- In CSSS de Memphrémagog, we find 2,048 English-speaking seniors aged 65+ where they account for 27.8% of the population. This share is much higher than that of English-speaking seniors across the RSS de l'Estrie region. The proportion of seniors in the English-speaking population is much higher than the proportion in the French-speaking majority population in the CSSS de Memphrémagog.

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 | Quebec | | RSS de l'Estrie | | CSSS de Memphrémagog | |
|--|---------|-----------|-----------------|---------|-------------------------|--------|
| | English | French | English | French | English | French |
| Population 15+ by total income | 887,850 | 5,643,910 | 19,518 | 234,625 | 6,240 | 34,470 |
| Less than \$20,000 | 398,710 | 2,225,605 | 9,115 | 95,585 | 2,903 | 13,035 |
| \$20,000 - \$49,999 | 300,123 | 2,186,230 | 7,550 | 98,250 | 2,433 | 14,735 |
| \$50,000 + | 189,020 | 1,232,070 | 2,853 | 40,795 | 903 | 6,700 |

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.

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

⁶ Ibid

Income under \$20k

- Across Quebec in 2011, there were 398,710 English speakers aged 15+ with income under \$20k. This group represents 44.9% 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 Quebec.
- There were 9,115 English speakers with income under \$20k in the RSS de l'Estrie region where they represent 46.7% of the English-speaking population aged 15 and over. This share is similar to that displayed by the provincial English-speaking population. The proportion of those with income under \$20k in the region's English-speaking population is higher than the proportion in the French-speaking majority population.
- In CSSS de Memphrémagog, we find 2,903 English speakers with income under \$20k where they account for 46.5% of the population. This share is similar to that experienced by English speakers across Quebec. 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 RSS de l'Estrie.

Earning \$50k and over

- Across Quebec, there were 189,020 English speakers with income over \$50k who represented 21.3% of the English-speaking population aged 15 and over. The proportion of high earners in the English-speaking population is similar to that found in the French-speaking majority population in Quebec.
- There were 2,853 English speakers with income over \$50k living in the RSS de l'Estrie region where they represented 14.6% of the population. This proportion was much lower than the proportion of English-speaking high earners across the province. The proportion of high earners in the regional English-speaking population is lower than the share of high earners in the French-speaking majority population in the region.
- In CSSS de Memphrémagog, we find 903 English-speaking high earners where they represent 14.5% of the population. This share is similar to that experienced by English-speaking high earners across the RSS de l'Estrie region. The proportion of high earners in the territory's English-speaking population is much 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 | Quebec | | RSS de l'Estrie | | CSSS de Memphrémagog | |
|---|---------|-----------|-----------------|---------|----------------------|--------|
| | English | French | English | French | English | French |
| Total - Household living arrangements | 887,850 | 5,643,905 | 19,515 | 234,620 | 6,243 | 34,475 |
| Total persons in households with at least one census family | 712,758 | 4,442,850 | 14,970 | 182,325 | 4,788 | 28,020 |
| Married spouses, common-law partners | 486,895 | 3,231,060 | 11,020 | 138,445 | 3,668 | 22,080 |
| Lone parents | 49,955 | 310,000 | 1,018 | 11,815 | 285 | 1,495 |
| Children in families with two parents present | 111,300 | 556,340 | 1,838 | 20,550 | 500 | 2,855 |
| Persons not in census families, living with relatives | 11,288 | 52,915 | 285 | 1,505 | 115 | 295 |
| Total persons in non-census family households | 175,093 | 1,201,055 | 4,548 | 52,300 | 1,455 | 6,460 |
| Living with non-relatives only | 32,288 | 181,950 | 580 | 7,865 | 90 | 780 |
| Living alone | 131,380 | 962,300 | 3,775 | 42,520 | 1,340 | 5,520 |

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 Quebec, there were 712,758 English speakers living in households with at least one census family. This group represents 80.3% 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 Quebec.
- There were 14,970 English speakers living in households with at least one census family in the RSS de l'Estrie where they comprise 76.7% of the population. This share is similar to that displayed by the provincial English-speaking population. The proportion of those living in households with at least one census family in the regional English-speaking population is similar to the proportion in the regional French-speaking majority population.
- In CSSS de Memphrémagog, we find 4,788 English speakers living in households with at least one census family where they account for 76.7% of the population. This share is similar to that accounted for by English speakers across the RSS de l'Estrie region. The proportion of persons living in households with at least one census family in the English-speaking population is lower than the proportion represented by the French-speaking majority population in CSSS de Memphrémagog.

Living in lone-parent families

- Across Quebec, there were 49,955 English speakers living in lone-parent families. This group represents 5.6% of the English-speaking population. The proportion of English speakers living in lone-parent families is similar to the proportion found in the French-speaking majority population in Quebec.
- There were 1,018 English speakers living in lone-parent families in the RSS de l'Estrie where they account for 5.2% of the population. The proportion of those living in lone-parent families in the regional English-speaking population is similar to the proportion found in the regional French-speaking majority population. The proportion is lower than that found in the provincial English-speaking population.
- In CSSS de Memphrémagog, we find 285 English speakers living in lone-parent families where they represent 4.6% of the population. This is similar to the proportion represented by the French-speaking majority population in CSSS de Memphrémagog. The proportion of English speakers living in lone-parent families in the CSSS de Memphrémagog English-speaking population is lower than the proportion we find for English speakers across the RSS de l'Estrie region.

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 Quebec, there were 131,380 English speakers living alone. This group represents 14.8% of the English-speaking population. The proportion of English speakers living alone is lower than the level in the French-speaking majority population in Quebec.
- There were 3,775 English speakers living alone in the RSS de l'Estrie where they account for 19.3% of the population. This level is much higher than that displayed by the provincial English-speaking population. The proportion of those living alone in the regional English-speaking population is higher than the proportion found in the regional French-speaking majority population.
- In CSSS de Memphrémagog, we find 1,340 English speakers living alone where they represent 21.5% of the population. This share is higher than that exhibited by English speakers across the RSS de l'Estrie region. The proportion of those living alone in the territory's English-speaking population is much higher than the proportion exhibited by the French-speaking majority population in CSSS de Memphrémagog.

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 | Quebec | | RSS de l'Estrie | | CSSS de Memphrémagog | |
|---|---------|---------|-----------------|--------|----------------------|--------|
| | English | French | English | French | English | French |
| Total - Age groups | 173,575 | 767,155 | 2,385 | 27,875 | 470 | 2,515 |
| 15-24 years | 150,235 | 647,430 | 2,128 | 23,970 | 400 | 2,145 |
| 45-64 years | 43,945 | 235,065 | 908 | 9,525 | 240 | 1,130 |

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.

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>

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

- Across Quebec, there were 173,575 English speakers living below LICO. This group accounts for 16.6% of the English-speaking population. The proportion of English speakers living below LICO is much higher than the proportion in the French-speaking majority population in Quebec.
- There were 2,385 English speakers living below LICO in the RSS de l'Estrie region where they represent 10.6% of the regional English-speaking population. The proportion of those living below LICO in the regional English-speaking population is higher than the proportion found in the regional French-speaking majority population. This English-speaking regional proportion in RSS de l'Estrie is much lower than the proportion for Quebec's English speakers in general.
- In CSSS de Memphrémagog, we find 470 English speakers living below LICO where they represent 6.4% of the English-speaking population. This level is similar to the proportion for the French-speaking majority population in the same territory. The proportion of those living below LICO in the territory's English-speaking population is much lower than the proportion for English speakers across RSS de l'Estrie.

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

- Across Quebec, there were 23,333 English-speaking children living below LICO. This group represents 14.7% 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 Quebec.
- There were 258 English-speaking children living below LICO in the RSS de l'Estrie where they account for 8.4% of the children in the regional English-speaking population. The proportion of children living below LICO in the regional English-speaking population is similar to the proportion in the regional French-speaking majority children's population. This proportion is much lower than that displayed by English-speaking children across the province.
- In CSSS de Memphrémagog, we find 60 English-speaking children living below LICO where they represent 5.3% of the English-speaking children's population. This proportion is lower 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 lower than the proportion experienced by English-speaking children across the RSS de l'Estrie region.

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

- Across Quebec, there were 13,713 English-speaking seniors living below LICO. This group represents 9.9% of the English-speaking senior population. The proportion of English-speaking seniors living below LICO is higher than the proportion of seniors living below LICO in the French-speaking majority population in Quebec.

- There were 140 English-speaking seniors living below LICO in the RSS de l'Estrie where they account for 2.9% of the regional English-speaking senior population. The proportion of those seniors living below LICO in the regional English-speaking senior population is much lower than the proportion in the regional French-speaking majority senior population. This proportion is much lower than that experienced by English-speaking seniors across the province.

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

| Population Living Below the Low-Income Cut-off Level, by Household Living Arrangements | Quebec | | RSS de l'Estrie | | CSSS de Memphrémagog | |
|--|---------|---------|-----------------|--------|----------------------|--------|
| | English | French | English | French | English | French |
| Total - Household living arrangements | 150,235 | 647,430 | 2,128 | 23,970 | 400 | 2,145 |
| Total persons in households with at least one census family | 82,193 | 304,325 | 955 | 10,125 | 185 | 1,000 |
| Married spouses, common-law partners | 47,653 | 170,785 | 493 | 5,955 | 120 | 590 |
| Total persons in non-census family households | 68,050 | 343,110 | 1,173 | 13,845 | 220 | 1,145 |
| Living alone | 46,365 | 253,910 | 865 | 10,090 | 195 | 850 |

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 Quebec, there were 82,193 English-speaking persons in census family households living below LICO. This group represents 11.5% 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 Quebec living below LICO in census family households.
- There were 955 English-speaking persons in census family households living below LICO in the RSS de l'Estrie where they represent 6.4% of the regional English-speaking population. The proportion of persons in census family households living below LICO in the regional English-speaking population is higher than the proportion in the regional French-speaking majority population. The proportion in the regional English-speaking population is much lower than that found in the provincial English-speaking population.
- In CSSS de Memphrémagog, we find 185 English-speaking persons in census family households living below LICO where they account for 3.9% of the English-speaking population. This level is 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 much lower than the proportion found in the English-speaking population of the RSS de l'Estrie region.

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

- Across Quebec, there were 12,090 English-speaking persons in lone-parent families living below LICO. This group represents 24.2% 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 Quebec living in lone parent families.
- There were 173 English-speaking persons in lone-parent families living below LICO in the RSS de l'Estrie where they account for 17.0% of the regional English-speaking lone-parent family population. The proportion of persons in lone-parent families living below LICO in the regional English-speaking population is higher than the proportion in the regional French-speaking majority population. The level for the English-speaking regional population is much lower than that found in the provincial English-speaking population.
- In CSSS de Memphrémagog, we find 25 English-speaking persons in lone-parent families living below LICO where they account for 8.8% of the English-speaking lone-parent family population. This is much lower 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 much lower than the proportion experienced by English speakers across the RSS de l'Estrie region.

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

- Across Quebec, there were 46,365 English-speaking persons living alone and below LICO. This group represents 35.3% of the English-speaking population living alone. The proportion of English speaking persons living alone and below LICO is much higher than that found in the French-speaking majority population in Quebec living alone.
- There were 865 English-speaking persons living alone and below LICO in the RSS de l'Estrie where they account for 22.9% of the regional English-speaking population living alone. The proportion of those persons living alone and below LICO in the regional English-speaking population is similar to the proportion in the regional French-speaking majority population. This English-speaking regional proportion is much lower than that experienced by the provincial English-speaking population.
- In CSSS de Memphrémagog, we find 195 English-speaking persons living alone and below LICO where they represent 14.6% of the English-speaking population living alone. This is lower 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 lower than the proportion experienced by English speakers across the RSS de l'Estrie region.

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 | | Quebec | | RSS de l'Estrie | | CSSS de Memphrémagog | |
|--|-------------|---------|-----------|-----------------|---------|-------------------------|--------|
| | | English | French | English | French | English | French |
| Total | Total | 887,850 | 5,643,905 | 19,515 | 234,620 | 6,243 | 34,475 |
| | 25-44 years | 316,405 | 1,750,675 | 5,055 | 67,310 | 1,295 | 8,320 |
| | 45-64 years | 287,860 | 2,065,820 | 6,728 | 87,435 | 2,255 | 14,475 |
| High school diploma or less | Total | 370,468 | 2,471,210 | 10,035 | 106,260 | 3,573 | 15,040 |
| | 25-44 years | 84,955 | 445,280 | 1,985 | 18,495 | 700 | 2,405 |
| | 45-64 years | 115,278 | 856,305 | 3,413 | 37,850 | 1,250 | 5,780 |
| Apprenticeship or trades certificate or diploma | Total | 81,305 | 975,255 | 2,485 | 45,340 | 693 | 6,550 |
| | 25-44 years | 30,110 | 366,670 | 718 | 16,720 | 135 | 2,165 |
| | 45-64 years | 31,045 | 403,590 | 1,035 | 18,795 | 300 | 2,835 |
| College, CEGEP or other non-university certificate or diploma | Total | 146,603 | 942,465 | 2,765 | 37,440 | 635 | 4,845 |
| | 25-44 years | 57,853 | 365,805 | 878 | 13,470 | 195 | 1,535 |
| | 45-64 years | 46,840 | 340,500 | 765 | 13,580 | 190 | 2,040 |
| University certificate or diploma below bachelor level | Total | 46,055 | 264,215 | 643 | 9,025 | 255 | 1,755 |
| University certificate, diploma or degree at bachelor level or above | Total | 243,415 | 990,755 | 3,588 | 36,550 | 1,070 | 6,260 |
| | 25-44 years | 125,300 | 489,770 | 1,368 | 16,220 | 215 | 1,915 |
| | 45-64 years | 78,140 | 354,140 | 1,273 | 13,410 | 390 | 2,945 |
| High school diploma or less | Total | 41.7% | 43.8% | 51.4% | 45.3% | 57.2% | 43.6% |
| | 25-44 years | 26.9% | 25.4% | 39.3% | 27.5% | 54.1% | 28.9% |
| | 45-64 years | 40.0% | 41.5% | 50.7% | 43.3% | 55.4% | 39.9% |
| Apprenticeship or trades certificate or diploma | Total | 9.2% | 17.3% | 12.7% | 19.3% | 11.1% | 19.0% |
| | 25-44 years | 9.5% | 20.9% | 14.2% | 24.8% | 10.4% | 26.0% |
| | 45-64 years | 10.8% | 19.5% | 15.4% | 21.5% | 13.3% | 19.6% |
| College, CEGEP or other non-university certificate or diploma | Total | 16.5% | 16.7% | 14.2% | 16.0% | 10.2% | 14.1% |
| | 25-44 years | 18.3% | 20.9% | 17.4% | 20.0% | 15.1% | 18.4% |
| | 45-64 years | 16.3% | 16.5% | 11.4% | 15.5% | 8.4% | 14.1% |
| University certificate or diploma below bachelor level | Total | 5.2% | 4.7% | 3.3% | 3.8% | 4.1% | 5.1% |
| | 25-44 years | 5.8% | 4.7% | 2.1% | 3.6% | 2.7% | 3.2% |
| | 45-64 years | 5.8% | 5.4% | 3.4% | 4.3% | 5.3% | 6.0% |
| University certificate, diploma or degree at bachelor level or above | Total | 27.4% | 17.6% | 18.4% | 15.6% | 17.1% | 18.2% |
| | 25-44 years | 39.6% | 28.0% | 27.1% | 24.1% | 16.6% | 23.0% |
| | 45-64 years | 27.1% | 17.1% | 18.9% | 15.3% | 17.3% | 20.3% |

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 Quebec, there were 370,468 English speakers aged 15 and over with a high school diploma or less. This group accounts for 41.7% 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 similar to the level found in the French-speaking majority population aged 15 and over in Quebec.
- There were 10,035 English speakers aged 15 and over with a high school diploma or less in the RSS de l'Estrie region where they account for 51.4% of the regional English-speaking population aged 15 and over. The proportion of those aged 15 and over with a high school diploma or less in the regional English-speaking population is higher than the proportion in the regional French-speaking majority population. The level for the English-speaking regional proportion is much higher than that exhibited by English speakers across the province.
- In CSSS de Memphrémagog, we find 3,573 English speakers aged 15 and over with a high school diploma or less where they represent 57.2% of the English-speaking population aged 15 and over. This level is much higher than 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 higher than the proportion exhibited by the English speakers across the RSS de l'Estrie region.

Population 25-44, high school diploma or less

- Across Quebec, there were 84,955 English speakers aged 25-44 with a high school diploma or less. This group represents 26.9% of the English-speaking population aged 25 to 44. The proportion of English speakers aged 25-44 with a high school diploma or less is higher than that found in the French-speaking majority population in Quebec in the same age cohort.
- There were 1,985 English speakers aged 25-44 with a high school diploma or less in the RSS de l'Estrie where they account for 39.3% of the regional English-speaking population. The proportion of those aged 25-44 with a high school diploma or less in the regional English-speaking population is much higher than the proportion in the regional French-speaking majority population in that age group. This proportion is much higher than that exhibited by English speakers across the province in the same age cohort.
- In CSSS de Memphrémagog, we find 700 English speakers aged 25-44 with a high school diploma or less where they comprise 54.1% of the English-speaking 25-44 cohort. This is much higher 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 much higher than the proportion exhibited by English speakers across the RSS de l'Estrie region.

Population 45-64, high school diploma or less

- In Quebec, there were 115,278 English-speaking aged 45-64 with a high school diploma or less. This group represents 40.0% 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 in the French-speaking majority population in Quebec.
- There were 3,413 English speakers aged 45-64 with a high school diploma or less in the RSS de l'Estrie where they account for 50.7% of the regional English-speaking population. The proportion of those aged 45-64 with a high school diploma or less in the regional English-speaking population is higher than the proportion in the regional French-speaking majority population. This English-speaking regional proportion is much higher than that exhibited by the province's English speakers.
- In CSSS de Memphrémagog, we find 1,250 English speakers aged 45-64 with a high school diploma or less where they comprise 55.4% 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 aged 45-64 with a high school diploma or less in the territory's English-speaking population is higher than the proportion exhibited by English speakers across the region.

Population aged 15+, university degree or higher

- In Quebec, there were 243,415 English-speaking aged 15 and over with a university degree or higher. This group represents 27.4% 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 Quebec.
- There were 3,588 English speakers aged 15 and over with a university degree or higher in the RSS de l'Estrie where they account for 18.4% of the regional English-speaking population. The proportion of those aged 15 and over with a university degree or higher in the regional English-speaking population is higher than the proportion in the regional French-speaking majority population. This English-speaking regional proportion is much lower than that exhibited by the province's English speakers.
- In CSSS de Memphrémagog, we find 1,070 English speakers aged 15 and over with a university degree or higher where they represent 17.1% of the English-speaking population. This is lower 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 lower than the proportion exhibited by English speakers across the region.

Population 25-44, university degree or higher

- In Quebec, there were 125,300 English speakers aged 25-44 with a university degree or higher. This group accounts for 39.6% 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 in Quebec.

- There were 1,368 English speakers aged 25-44 with a university degree or higher in the RSS de l'Estrie where they represent 27.1% of the regional English-speaking population. The proportion of those aged 25-44 with a university degree or higher in the regional English-speaking population is higher than the proportion in the regional French-speaking majority population. This regional English-speaking proportion is much lower than that exhibited by the province's English speakers.
- In CSSS de Memphrémagog, we find 215 English speakers aged 25-44 with a university degree or higher where they comprise 16.6% of the English-speaking population. This is much lower 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 lower than the proportion exhibited by English speakers across the region.

Population 45-64, university degree or higher

- In Quebec, there were 78,140 English speakers aged 45-64 with a university degree or higher. This group represents 27.1% 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 French-speaking majority population in Quebec.
- There were 1,273 English speakers aged 45-64 with a university degree or higher in the RSS de l'Estrie where they represent 18.9% of the regional English-speaking population. The proportion of those aged 45-64 with a university degree or higher in the regional English-speaking population is much higher than the proportion in the regional French-speaking majority population. This regional English-speaking proportion is much lower than that exhibited by the province's English speakers.
- In CSSS de Memphrémagog, we find 390 English speakers aged 45-64 with a university degree or higher where they comprise 17.3% of the English-speaking population. This level is lower 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 lower than the proportion exhibited by English speakers across the region.

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 | Quebec | | RSS de l'Estrie | | CSSS de Memphrémagog | |
|-------------------------------|---------|-----------|-----------------|---------|----------------------|--------|
| | English | French | English | French | English | French |
| Total - Labour force activity | 887,850 | 5,643,905 | 19,515 | 234,620 | 6,243 | 34,475 |
| In the labour force | 571,845 | 3,668,685 | 10,715 | 146,900 | 3,253 | 20,810 |
| Employed | 518,295 | 3,413,740 | 9,965 | 137,920 | 3,040 | 19,645 |
| Unemployed | 53,558 | 254,950 | 745 | 8,985 | 215 | 1,165 |
| Out of the labour force | 316,005 | 1,975,220 | 8,805 | 87,720 | 2,988 | 13,660 |

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 Quebec, there are 53,558 English speakers who are unemployed resulting in an unemployment rate of 9.4%. The unemployment rate of Quebec's English speakers is much higher than the unemployment rate of the French-speaking majority.
- There are 745 unemployed English speakers in the RSS de l'Estrie region where they experience an unemployment rate of 7.0%. The unemployment rate of the regional English-speaking population is higher than the unemployment rate in the regional French-speaking majority population. Their unemployment rate is much lower than that experienced by the provincial English-speaking population.
- In CSSS de Memphrémagog, we find 215 unemployed English speakers resulting in an unemployment rate of 6.6%. This is 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 similar to the unemployment rate experienced by English speakers across the RSS de l'Estrie region.

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 Quebec, there were 316,005 English speakers out of the labour force. This group represents 35.6% of the English-speaking population aged 15+. The proportion of English speakers out of the labour force is similar to that found in the French-speaking majority population in Quebec aged 15 and over.
- There were 8,805 English speakers out of the labour force in the RSS de l'Estrie region where they comprise 45.1% of the regional English-speaking population aged 15+. The proportion of those out of the labour force in the regional English-speaking population is much higher than the proportion in the regional French-speaking majority population. This English-speaking regional proportion is much higher than that exhibited by the provincial English-speaking population.
- In CSSS de Memphrémagog, we find 2,988 English speakers aged 15+ out of the labour force where they account for 47.9% 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 out of the labour force in the territory's English-speaking population is higher than the proportion exhibited by English speakers across the RSS de l'Estrie region.

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 |

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