

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 CLSC CHAUDIÈRE (12022)**

Produced by Dr. Joanne Pocock

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

March 2014

Contents

Contents.....	2
Introduction	3
CHSSN: Networking and Partnership Initiative.....	3
About the 2013-2014 report	3
Baseline Data Report Series.....	3
Determinants of Health.....	3
Methodological Notes	4
Data Source and Constraints	4
Linguistic definitions.....	5
Geographic Regions.....	5
Demographic and Socio-economic Characteristics	5
Statistics Canada Definitions.....	5
Series of Tables – Demographic Characteristics	6
Demographic Size.....	7
Table 1 - Population Size	7
Age Structure.....	8
Table 2 - Age Structure of the Population.....	8
Income	10
Table 3 - Income	10
Household Living Arrangements.....	12
Table 4 - Population by Household Living Arrangements.....	12
Low-Income Cut-off.....	15
Table 5 - Population Living Below LICO, Within Age Groups.....	15
Table 6 - Population Living Below LICO, by Household Living Arrangements	16
Highest Educational Attainment.....	18
Table 7 - Highest Educational Certification, for Selected Age Groups.....	18
Labour Force Activity	22
Table 8 - Labour Force Activity	22
Appendix “A” – Baseline Data Report Series.....	24
Sources and References	25

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>

Series of Tables – Demographic Characteristics

Table 1 - Population Size.....	7
Table 2 - Age Structure of the Population	8
Table 3 - Income	10
Table 4 - Population by Household Living Arrangements.....	12
Table 5 - Population Living Below LICO, Within Age Groups.....	15
Table 6 - Population Living Below LICO, by Household Living Arrangements.....	16
Table 7 - Highest Educational Certification, for Selected Age Groups	18
Table 8 - Labour Force Activity.....	22

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 Chaudière-Appalaches	CSSS du Grand Littoral	CLSC Chaudière
FOLS - English speakers	number	3,120	2,063	1,163
	percentage	0.8%	0.9%	1.3%
FOLS - French speakers	number	397,765	231,570	88,970
	percentage	99.3%	99.2%	98.8%
Total population	number	400,760	233,540	90,080
	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 Chaudière-Appalaches, there were 3,120 English speakers, representing 0.8% of the regional population.
- There were 2,063 English speakers living in the CSSS du Grand Littoral territory where they represented 0.9% of the population. This share is higher than the overall regional share for English speakers.
- In CLSC Chaudière, we find 1,163 English speakers where they represented 1.3% of the population. This proportion is much higher than that represented by English speakers across the CSSS du Grand Littoral 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 Chaudière-Appalaches		CSSS du Grand Littoral		CLSC Chaudière	
	English	French	English	French	English	French
Total - Age groups	3,120	397,765	2,063	231,570	1,163	88,970
0-14 years	310	66,310	235	40,645	168	17,475
15-24 years	353	47,480	248	28,630	168	10,840
25-44 years	805	97,175	508	60,225	300	25,200
45-64 years	1,120	126,890	753	71,900	358	26,895
65+ years	530	59,915	323	30,170	165	8,555

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 Chaudière-Appalaches, there were 310 English-speaking children aged 0-14, representing 9.9% of the English-speaking population. The proportion of children in the English-speaking population is much lower than the level in the French-speaking majority population in the RSS de la Chaudière-Appalaches region.
- There were 235 English-speaking children aged 0-14 living in CSSS du Grand Littoral where they account for 11.4% of the population. The proportion of children in this territory's English-speaking population is much higher than their proportion in the French-speaking majority population. This proportion is higher than the level for English-speaking children across the region.
- In CLSC Chaudière, we find 168 English-speaking children aged 0-14 where they represent 14.4% of the population. This share is much higher than that exhibited by English-speaking children across CSSS du Grand Littoral. The proportion of children in the territory's English-speaking population is much lower than the share in the CLSC Chaudière French-speaking majority population.

Seniors (aged 65 and over)

- Across the RSS de la Chaudière-Appalaches, there were 530 English-speaking seniors aged 65+ representing 17.0% of the English-speaking population. The proportion of seniors in the English-speaking population is higher than that found in the French-speaking majority population in the RSS de la Chaudière-Appalaches region.
- There were 323 English-speaking seniors aged 65+ living in CSSS du Grand Littoral where they accounted for 15.7% of the population. This share is lower than that of English-speaking seniors across the RSS de la Chaudière-Appalaches. 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 Chaudière, we find 165 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 du Grand Littoral. The proportion of seniors in the English-speaking population of CLSC Chaudière is 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 Chaudière- Appalaches		CSSS du Grand Littoral		CLSC Chaudière	
	English	French	English	French	English	French
Population 15+ by total income	2,813	331,460	1,830	190,925	993	71,495
Less than \$20,000	1,070	124,785	668	64,450	373	21,110
\$20,000 - \$49,999	1,080	144,665	668	82,585	360	28,690
\$50,000 +	660	62,005	485	43,870	255	21,685

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 Chaudière-Appalaches in 2011, there were 1,070 English speakers aged 15+ with income under \$20k. This group represents 38.0% of the English-speaking population aged 15 and over. The proportion of English speakers with income under \$20k is similar to that found in the French-speaking majority population in the RSS de la Chaudière-Appalaches region.
- There were 668 English speakers with income under \$20k in CSSS du Grand Littoral where they represent 36.5% 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 du Grand Littoral'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 Chaudière, we find 373 English speakers with income under \$20k where they account for 37.6% of the population. This share is similar to that experienced by English speakers across CSSS du Grand Littoral. 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 Chaudière.

Earning \$50k and over

- Across the RSS de la Chaudière-Appalaches, there were 660 English speakers with income over \$50k who represented 23.5% of the English-speaking population aged 15 and over. The proportion of high earners in the English-speaking population is much higher than that found in the French-speaking majority population the RSS de la Chaudière-Appalaches region.
- There were 485 English speakers with income over \$50k living in CSSS du Grand Littoral where they represented 26.5% of the population. This proportion was higher than the proportion of English-speaking high earners across the RSS de la Chaudière-Appalaches. The proportion of high earners in the English-speaking population is higher than the share of high earners in the French-speaking majority population in CSSS du Grand Littoral.
- In CLSC Chaudière, we find 255 English-speaking high earners where they represent 25.7% of the population. This share is similar to that experienced by English-speaking high earners across CSSS du Grand Littoral. 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 Chaudière-Appalaches		CSSS du Grand Littoral		CLSC Chaudière	
	English	French	English	French	English	French
Total - Household living arrangements	2,810	331,450	1,835	190,925	993	71,490
Total persons in households with at least one census family	2,390	272,040	1,600	158,855	908	61,405
Married spouses, common-law partners	1,878	206,415	1,210	120,710	620	46,910
Lone parents	170	14,775	115	8,465	90	3,230
Children in families with two parents present	203	35,660	168	20,955	115	8,150
Children in families with one parent present	80	12,435	65	7,180	50	2,540
Total persons in non-census family households	415	59,400	235	32,065	90	10,090
Living alone	350	50,445	195	26,685	80	8,275

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 Chaudière-Appalaches, there were 2,390 English speakers living in households with at least one census family. This group represents 85.1% 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 Chaudière-Appalaches region.
- There were 1,600 English speakers living in households with at least one census family in CSSS du Grand Littoral where they comprise 87.2% of the population. This share is similar to that displayed by the English-speaking population across the RSS de la Chaudière-Appalaches. The proportion of those living in households with at least one census family in CSSS du Grand Littoral's English-speaking population is similar to the proportion in the French-speaking majority population.
- In CLSC Chaudière, we find 908 English speakers living in households with at least one census family where they account for 91.4% of the population. This share is similar to that accounted for by English speakers across CSSS du Grand Littoral. The proportion of persons living in households with at least one census family in the CLSC Chaudière 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 Chaudière-Appalaches, there were 170 English speakers living in lone-parent families. This group represents 6.0% of the English-speaking population. The proportion of English speakers living in lone-parent families is much higher than the proportion found in the French-speaking majority population in the RSS de la Chaudière-Appalaches region.
- There were 115 English speakers living in lone-parent families in CSSS du Grand Littoral where they account for 6.3% of the population. The proportion of those living in lone-parent families in this territory's English-speaking population is much higher than the proportion found in the French-speaking majority population. The proportion is similar to that found in the RSS de la Chaudière-Appalaches English-speaking population.
- In CLSC Chaudière, we find 90 English speakers living in lone-parent families where they represent 9.1% of the population. This is much higher than 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 Chaudière English-speaking population is similar to the proportion we find for English speakers across CSSS du Grand Littoral.

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 Chaudière-Appalaches, there were 350 English speakers living alone. This group represents 12.5% of the English-speaking population. The proportion of English speakers living alone is lower than the level in the French-speaking majority population in the RSS de la Chaudière-Appalaches region.
- There were 195 English speakers living alone in CSSS du Grand Littoral where they account for 10.6% of the population. This level is lower than that displayed by the regional English speaking population. The proportion of those living alone in the CSSS du Grand Littoral English speaking population is much lower than the proportion found in the French-speaking majority population.
- In CLSC Chaudière, we find 80 English speakers living alone where they represent 8.1% of the population. This share is much lower than that exhibited by English speakers across CSSS du Grand Littoral. The proportion of those living alone in the CLSC Chaudière 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 Chaudière-Appalaches		CSSS du Grand Littoral		CLSC Chaudière	
	English	French	English	French	English	French
Total - Age groups	225	25,805	115	14,870	50	5,070
15-24 years	208	22,265	113	12,685	50	4,335

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 Chaudière-Appalaches, there were 225 English speakers living below LICO. This group accounts for 7.2% 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 Chaudière-Appalaches region.
- There were 115 English speakers living below LICO in CSSS du Grand Littoral where they represent 5.6% of the English-speaking population. The proportion of those living below LICO in CSSS du Grand Littoral's English-speaking population is lower than the proportion found in the French-speaking majority population. This English-speaking proportion in CSSS du Grand Littoral is much lower than the proportion for the region's English speakers in general.
- In CLSC Chaudière, we find 50 English speakers living below LICO where they represent 4.3% of the English-speaking population. This level is much lower than 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 CSSS du Grand Littoral.

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>

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

- Due to low population count, this data is not available for this territory.

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

- Due to low population count, this data is not available for this 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 Chaudière-Appalaches		CSSS du Grand Littoral		CLSC Chaudière	
	English	French	English	French	English	French
Total - Household living arrangements	208	22,265	113	12,685	50	4,335
Total persons in households with at least one census family	133	10,945	65	6,100	35	2,050
Married spouses, common-law partners	105	6,645	40	3,725	25	1,285

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 Chaudière-Appalaches, there were 133 English-speaking persons in census family households living below LICO. This group represents 5.6% 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 65 English-speaking persons in census family households living below LICO in CSSS du Grand Littoral where they represent 4.1% of the regional English-speaking population. The proportion of persons in census family households living below LICO in the CSSS du Grand Littoral English-speaking population is higher than the proportion in the French-speaking majority population. The proportion in the territory's English-speaking population is much lower than that found in the regional English-speaking population.
- In CLSC Chaudière, we find 35 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 lower than the proportion found in the English-speaking population of CSSS du Grand Littoral.

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

- Due to low population count, this data is not available for this territory.

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

- Across the RSS de la Chaudière-Appalaches, there were 50 English-speaking persons living alone and below LICO. This group represents 14.3% of the English-speaking population living alone. The proportion of English-speaking persons living alone and below LICO is much lower than that found in the region's French-speaking majority population living alone.
- There were 30 English-speaking persons living alone and below LICO in CSSS du Grand Littoral where they account for 15.4% 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 higher than that experienced by the RSS de la Chaudière-Appalaches's English-speaking population.

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 Chaudière- Appalaches		CSSS du Grand Littoral		CLSC Chaudière	
		English	French	English	French	English	French
Total	Total	2,810	331,450	1,835	190,925	993	71,490
	25-44 years	805	97,175	508	60,220	300	25,195
	45-64 years	1,120	126,890	753	71,905	355	26,890
High school diploma or less	Total	1,145	150,515	715	76,990	333	23,830
	25-44 years	210	23,675	120	11,920	60	3,590
	45-64 years	420	56,240	265	28,290	110	8,690
Apprenticeship or trades certificate or diploma	Total	428	69,135	223	38,775	118	12,615
	25-44 years	155	26,730	65	15,155	35	5,020
	45-64 years	185	28,465	110	15,625	45	5,240
College, CEGEP or other non-university certificate or diploma	Total	448	57,765	315	36,970	208	15,860
	25-44 years	170	23,250	110	15,390	65	6,810
	45-64 years	135	21,160	110	13,450	60	5,955
University certificate or diploma below	Total	153	12,370	95	8,165	35	3,710
University certificate, diploma or degree at bachelor level or above	Total	643	41,665	488	30,025	290	15,455
	25-44 years	230	20,175	183	15,330	115	8,530
	45-64 years	293	15,340	233	10,770	115	5,300
High school diploma or less	Total	40.7%	45.4%	39.0%	40.3%	33.5%	33.3%
	25-44 years	26.1%	24.4%	23.6%	19.8%	20.0%	14.2%
	45-64 years	37.5%	44.3%	35.2%	39.3%	31.0%	32.3%
Apprenticeship or trades certificate or diploma	Total	15.2%	20.9%	12.2%	20.3%	11.9%	17.6%
	25-44 years	19.3%	27.5%	12.8%	25.2%	11.7%	19.9%
	45-64 years	16.5%	22.4%	14.6%	21.7%	12.7%	19.5%
College, CEGEP or other non-university certificate or diploma	Total	15.9%	17.4%	17.2%	19.4%	20.9%	22.2%
	25-44 years	21.1%	23.9%	21.7%	25.6%	21.7%	27.0%
	45-64 years	12.1%	16.7%	14.6%	18.7%	16.9%	22.1%
University certificate or diploma below bachelor level	Total	5.4%	3.7%	5.2%	4.3%	3.5%	5.2%
	25-44 years	4.3%	3.4%	0.0%	4.0%	0.0%	4.9%
	45-64 years	5.8%	4.4%	5.3%	5.2%	0.0%	6.3%
University certificate, diploma or degree at bachelor level or above	Total	22.9%	12.6%	26.6%	15.7%	29.2%	21.6%
	25-44 years	28.6%	20.8%	36.0%	25.5%	38.3%	33.9%
	45-64 years	26.2%	12.1%	30.9%	15.0%	32.4%	19.7%

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 Chaudière-Appalaches, there were 1,145 English speakers aged 15 and over with a high school diploma or less. This group accounts for 40.7% 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 lower than the level found in the French-speaking majority population aged 15 and over across the region.
- There were 715 English speakers aged 15 and over with a high school diploma or less in CSSS du Grand Littoral where they account for 39.0% 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 similar to that exhibited by English speakers across the RSS de la Chaudière-Appalaches.
- In CLSC Chaudière, we find 333 English speakers aged 15 and over with a high school diploma or less where they represent 33.5% 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 lower than the proportion exhibited by the English speakers across the CSSS du Grand Littoral territory.

Population 25-44, high school diploma or less

- Across the RSS de la Chaudière-Appalaches region, there were 210 English speakers aged 25-44 with a high school diploma or less. This group represents 26.1% 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 higher than that found in the regional French-speaking majority population in the same age cohort.
- There were 120 English speakers aged 25-44 with a high school diploma or less in CSSS du Grand Littoral where they account for 23.6% 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 higher than the proportion in the territory's French-speaking majority population in that age group. This proportion is lower than that exhibited by English speakers across the RSS de la Chaudière-Appalaches region in the same age cohort.
- In CLSC Chaudière, we find 60 English speakers aged 25-44 with a high school diploma or less where they comprise 20.0% 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 lower than the proportion exhibited by English speakers across the CSSS du Grand Littoral territory.

Population 45-64, high school diploma or less

- In the RSS de la Chaudière-Appalaches, there were 420 English-speaking aged 45-64 with a high school diploma or less. This group represents 37.5% of the English-speaking population. The proportion of English speakers aged 45-64 with a high school diploma or less is lower than that found in the same age cohort of the regional French-speaking majority population.
- There were 265 English speakers aged 45-64 with a high school diploma or less in the CSSS du Grand Littoral territory where they account for 35.2% 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 lower than the proportion in the territory's French-speaking majority population. This English-speaking proportion is lower than that exhibited by the RSS de la Chaudière-Appalaches region's English speakers.
- In CLSC Chaudière, we find 110 English speakers aged 45-64 with a high school diploma or less where they comprise 31.0% of the English-speaking population. This is similar to 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 lower than the proportion exhibited by English speakers across the CSSS du Grand Littoral territory.

Population aged 15+, university degree or higher

- In the RSS de la Chaudière-Appalaches, there were 643 English-speaking aged 15 and over with a university degree or higher. This group represents 22.9% 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 Chaudière-Appalaches region.
- There were 488 English speakers aged 15 and over with a university degree or higher in the CSSS du Grand Littoral territory where they account for 26.6% 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 much higher than the proportion in the French-speaking majority population. This English-speaking proportion is higher than that exhibited by the RSS de la Chaudière-Appalaches region's English speakers.
- In CLSC Chaudière, we find 290 English speakers aged 15 and over with a university degree or higher where they represent 29.2% 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 higher than the proportion exhibited by English speakers across CSSS du Grand Littoral.

Population 25-44, university degree or higher

- In the RSS de la Chaudière-Appalaches, there were 230 English speakers aged 25-44 with a university degree or higher. This group accounts for 28.6% 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 across the region.
- There were 183 English speakers aged 25-44 with a university degree or higher in CSSS du Grand Littoral where they represent 36.0% 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 much higher than the proportion in the French-speaking majority population. This territory's English-speaking proportion is much higher than that exhibited by English speakers across the RSS de la Chaudière-Appalaches region.
- In CLSC Chaudière, we find 115 English speakers aged 25-44 with a university degree or higher where they comprise 38.3% 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 higher than the proportion exhibited by English speakers across CSSS du Grand Littoral.

Population 45-64, university degree or higher

- Across the RSS de la Chaudière-Appalaches region, there were 293 English speakers aged 45-64 with a university degree or higher. This group represents 26.2% 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 Chaudière-Appalaches region's French-speaking majority population.
- There were 233 English speakers aged 45-64 with a university degree or higher in CSSS du Grand Littoral where they represent 30.9% 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 higher than that exhibited by the region's English speakers.
- In CLSC Chaudière, we find 115 English speakers aged 45-64 with a university degree or higher where they comprise 32.4% 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 similar to the proportion exhibited by English speakers across CSSS du Grand Littoral.

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 Chaudière-Appalaches		CSSS du Grand Littoral		CLSC Chaudière	
	English	French	English	French	English	French
Total - Labour force activity	2,810	331,450	1,835	190,925	993	71,490
In the labour force	1,713	221,170	1,153	134,745	650	53,415
Employed	1,623	211,010	1,103	129,430	630	51,475
Unemployed	90	10,165	50	5,310	15	1,940
Out of the labour force	1,098	110,285	683	56,175	338	18,080

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 Chaudière-Appalaches, there are 90 English speakers who are unemployed resulting in an unemployment rate of 5.3%. The unemployment rate of the region's English speakers is higher than the unemployment rate of the French-speaking majority.
- There are 50 unemployed English speakers in the CSSS du Grand Littoral territory where they experience an unemployment rate of 4.3%. 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 Chaudière, we find 15 unemployed English speakers resulting in an unemployment rate of 2.3%. This is much lower than the unemployment rate experienced by the French-speaking majority population in the same territory. The unemployment rate of the English-speaking population is much lower than the unemployment rate experienced by English speakers across CSSS du Grand Littoral.

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 Chaudière-Appalaches, there were 1,098 English speakers out of the labour force. This group represents 39.1% 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 683 English speakers out of the labour force in the CSSS du Grand Littoral territory where they comprise 37.2% of the English-speaking population aged 15+. The proportion of those out of the labour force 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 similar to that exhibited by the region's English-speaking population.
- In CLSC Chaudière, we find 338 English speakers aged 15+ out of the labour force where they account for 34.0% 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 out of the labour force in this territory's English-speaking population is lower than the proportion exhibited by English speakers across CSSS du Grand Littoral.

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.