



**Family and Early Childhood Literacy in New Brunswick:  
A Provincial Snapshot (Spring 1999)**

**Part II**

**Sociodemographic profiles of New Brunswick and its seven  
Health Regions: Population, families with at least one child  
of 0 to 4 years of age, and children 0 to 4 years of age<sup>1</sup>**

**Study conducted by the  
Centre de recherche et de développement en éducation  
Faculté des sciences de l'éducation  
Université de Moncton  
Moncton, NB**

**in cooperation with  
Literacy New Brunswick Inc.**

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<sup>1</sup> [This document is available in French.](#)

## PREFACE

This study, initiated by Literacy New Brunswick Inc. (LNBI), was made possible by financial support from the National Literacy Secretariat (Human Resources Development - Canada). LNBI worked closely with the *Centre de recherche et de développement en éducation* (CRDE, Research and Development Centre on Education) to develop the research design and to plan and carry out the different studies that make up this research project. The research report is made up of six documents or parts: Part I – Brief Review of the Literature; Part II – Sociodemographic profiles of New Brunswick and its seven Health Regions: Population, families with at least one child of 0 to 4 years of age, and children 0 to 4 years of age; Part III – Inventory of Family Literacy and Early Childhood Initiatives in New Brunswick; Part IV - Survey of Parents of Preschool Children; Part V – Focus Groups with Family Literacy Partners; and Part VI – Summary Report. The results of each of these parts are presented in six documents available in English and in French. LNBI and the CRDE also worked together to develop the data collection instruments (questionnaires and interview questions) and to collect the data.

As for the reports, the literature review was drafted by Diane Lord and finalized by Carole Essiembre. Réal Allard wrote the sociodemographic profiles and LNBI prepared the inventory of family literacy interventions and with the collaboration of the CRDE, the overview of the results. Carole Essiembre wrote the reports on the survey of parents and the focus groups with partners, as well as the summary report.

From the CRDE, we wish to thank the many people who worked on this research project at one stage or another: Diane Lord, CRDE research officer, for her work on the research design, data collection, focus groups, and literature review; Renée LePage, Janine Mazerolle, and Manon Cormier, for their help as CRDE research assistants; Lisa LeBlanc, for her work as CRDE secretary; Carole Essiembre, research officer, for revising the literature review, verifying and interpreting the data, and drafting the final version of the

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## INTRODUCTION

The Centre for Research and Development in Education (CRDE) prepared sociodemographic profiles of New Brunswick's population, families with at least one child aged 0 to 4, and children of 0 to 4 years of age, as part of the research project on *Family and Early Childhood Literacy in New Brunswick: A Provincial Snapshot (Spring 1999)*. The research project has six parts and this document relates to the second part (see Preface for a list of parts).

The primary purpose pursued by the preparation of these sociodemographic profiles is to provide Literacy New Brunswick Inc. (LNBI) and its partners in matters of literacy with information which could be helpful in their evaluation of literacy needs, and in their planning of family literacy interventions for the New Brunswick population in general, and for the population of each of New Brunswick's seven health regions in particular (see Appendix A).

In addition to this introductory section, this report contains a brief methodology section, a more voluminous section containing a total of eight sociodemographic profiles, i.e. that for the province of New Brunswick and those of the seven health regions of the province, and a conclusion and summary.

More specifically, for the province of New Brunswick as a whole, the document presents :

- 1) Information on the total population of New Brunswick by mother tongue and information on the number of children of 0 to 4 years of age in the province of New Brunswick, by mother tongue;
- 2) Information on the number and percentage of families in the province of New Brunswick with at least one child of 0 to 4 years of age, by family structure, mother tongue of the children, and family income;

- 3) Information on low income cut-offs (LICOs) for families of different sizes living in communities of diverse sizes, as prepared by the Centre for International Statistics of the Canadian Council on Social Development;
- 4) Information on the French-language competencies of the children of 0 to 4 years of age of New Brunswick entitled parents, under Section 23 of the *Canadian Charter of Rights and Liberties*;
- 5) A summary table of statistics drawn from the above information for the province.

The document then presents the same types of information for each of the seven health regions:

- 1) Information on the population residing in each of New Brunswick's seven health regions by mother tongue and information on the number of children of 0 to 4 years of age in each of these health regions, by mother tongue ;
- 2) Information on the number and percentage of families with at least one child of 0 to 4 years of age in each of New Brunswick's seven health regions, by family structure, mother tongue of the children, and family income;
- 3) Information on low income cut-offs (LICOs) for families of different sizes living in communities of diverse sizes, as prepared by the Centre for International Statistics of the Canadian Council on Social Development;
- 4) Information on the French-language competencies of the children of 0 to 4 years of age of New Brunswick entitled parents in the different health regions, under Section 23 of the *Canadian Charter of Rights and Liberties*;
- 5) A summary table of statistics drawn from the above information for each health region.

From the CRDE's point of view, and considering LNBI's needs, it would have been preferable to present the information described above for the current year (2000), but such information only becomes available following the completion of the Census of Canada which is held every five years.

It is important to note that the statistical data used by the CRDE in the preparation of the sociodemographic profiles were drawn from the Statistics Canada 1996 Census database.

However, given the relatively stable and similar fertility rates of both of New Brunswick's official language communities on one hand, and, on the other hand, the relatively weak rates of immigration and emigration for New Brunswick, we hypothesise that the 1996 Statistics Canada census data can be used with confidence and that the picture for the year 2000 would be relatively similar to that presented in the present report.

## METHODOLOGY

The Centre for Research and Development on Education (CRDE) called upon New Brunswick's Department of Finance (Fiscal, Economic and Statistical Policy) and the Statistics Canada Advisory Services (Atlantic Region) to provide the data which was needed to prepare the sociodemographic profiles requested by LNBI.

At the CRDE's request, the Fiscal, Economic and Statistical Policy Branch of New Brunswick's Department of Finance prepared a set of data which the CRDE drew upon to prepare tables which would provide information on the total population of New Brunswick and on the number of children of 0 to 4 years of age, in the province as a whole and in each of the province's seven health regions, by mother tongue.

The Statistics Canada Advisory Services (Atlantic Region) prepared, at the request of, and according to criteria specified by the CRDE, a Beyond 20/20 database which the CRDE used to prepare tables of information on New Brunswick families having one or more children of 0 to 4 years of age. In addition to providing information on the mother tongue of the children in these families, the database was designed to provide information on family structure and family income.

In order to make it possible for LNBI and its partners to reflect upon the literacy needs of New Brunswick families in relation to family income, and to plan literacy interventions which take average family income into account, the CRDE incorporated into the present report a table of Low Income Cut-Offs (LICOs) prepared by the Centre for International Statistics for the Canadian Council on Social Development.

Finally, data drawn from the report *Là où le nombre le justifie...III*, published in 1999 by the *Commission nationale des parents francophones*, was used to prepare tables which would make it possible for LNBI and its partners to take into account, in their development of literacy interventions, of trends towards the non-transfer of the French

language to their 0 to 4 year old children by parents entitled to French language education for their children by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*.

It is important to recall that all of the statistical data which the CRDE drew upon in the preparation of the sociodemographic profiles came from Statistics Canada's 1996 Census database. This constitutes a limitation of the present study inasmuch as the data are not for the year 2000.

## **SOCIODEMOGRAPHIC PROFILES**

This report presents a total of eight sociodemographic profiles. The first profile presented is that for the province of New Brunswick as a whole. The profiles of the province's seven health regions follow.

These profiles make it possible for LNBI and its partners to take factors such as mother tongue, family income and family structure into consideration in the development of family literacy initiatives.



## **SOCIODEMOGRAPHIC PROFILE OF THE PROVINCE OF NEW BRUNSWICK**

The profile presented in this section is that for the province of New Brunswick in its entirety. The first table provides a sociodemographic profile of the total population of the province and of its children of 0 to 4 years of age. It is followed by two tables, the first in whole numbers, the second in percentages, which provide a sociodemographic profile of New Brunswick families with at least one child of 0 to 4 years of age. Statistical data on mother tongue and family income in relation to family structure are presented in these two tables. The third table provides information on low income cut-offs (LICOs) in Canada. A fourth table provides a statistical portrait of the French language competencies of the 0 to 4 years old children of New Brunswick parents entitled to French language education for their children by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*. Finally, a fifth table presents a summary of statistical information which can be readily consulted when family literacy interventions for the province are discussed.

### ***Total population of New Brunswick and total population of children of 0 to 4 years of age***

Table 1 presents data pertaining to the total population of New Brunswick along with data on the province's children of 0 to 4 years of age, in numbers and in percentages, by mother tongue.

This table is meant to help LNBI and its partners evaluate the needs in family literacy for the province of New Brunswick as a whole. It also enables them to take the mother tongue into account in their analysis of family literacy needs and in their development of family literacy initiatives.

### Main observations (Table 1)

Table 1 data reflects the fact that 64% of the population of New Brunswick reports having English only as the mother tongue. Slightly less than one third (32%) of the province's population reports having French only as the mother tongue.

Overall, there are 44,560 children of 0 to 4 years of age in the province. Approximately 69% of these children have English as their only mother tongue. Approximately 26% have French as their sole mother tongue and approximately 3% have both English and French as mother tongues.

Table 1 data also reflects the fact that the percentage of children of 0 to 4 years of age who are reported to have English only as their mother tongue (69%) is more than 5 percentage points higher than the population reporting English only as the mother tongue (64%). At the same time, the percentage of children of 0 to 4 years reported to have French only as their mother tongue (26%) is more than 5 percentage points lower than the population reporting French only as the mother tongue (32%). If the birth rates are similar in both language groups, these differences could reflect a tendency towards assimilation to English in a certain number of New Brunswick families. We hypothesise that this would tend to occur primarily for the children of exogamous (English/French) couples.

### ***Families with at least one child of 0 to 4 years of age: Number and percentage, family structure, and family income***

Table 2a presents data on the number of families with children of 0 to 4 years of age in New Brunswick, by family structure, mother tongue of the children, and family income.

Table 2b presents data relative on the percentage of families with children of 0 to 4 years of age in New Brunswick, by family structure, mother tongue of the children, and family income.

The purpose of these two tables is to make it possible for LNBI and its partners to evaluate factors which could differentially affect family literacy needs in New Brunswick as a whole. Among the factors which can be considered by LNBI and its partners in their analysis of family literacy needs and their development of family literacy initiatives are family structure, mother tongue of the children, and family income.

The data presented in Table 2a is in whole numbers. Table 2b presents the same data in percentages. The statistics presented below were taken from Table 2b.

Main observations : Number and percentage

- 28,580 New Brunswick families have at least one child of 0 to 4 years of age. This represents 27% of the families with children in the province.

Main observations : Family structure

- Both parents are present in approximately 82% of the families with one or more children of 0 to 4 years of age.
- Approximately 17% of the families with one or more children of 0 to 4 years of age are lone-parent (female) families.
- Approximately 1% of the families with one or more children of 0 to 4 years of age are lone-parent (male) families.

Main observations: Family income

Families with 0 to 4 years old children with two parents present

- Approximately 7% of families with 0 to 4 years old children with two parents present report a family income of less than 15,000\$.
- Slightly over 3% of families with 0 to 4 years old children with two parents present report a family income between 15,000\$ and 20,000\$.

#### Male lone-parent families with 0 to 4 years old children

- Approximately 36% of male lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.
- Approximately 17% of male lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

#### Female lone-parent families with 0 to 4 years old children

- Approximately 76% of female lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.
- Approximately 10% of female lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

#### Additional observations: Family income

The statistics presented below were calculated using data in Table 2b. It would be useful to study them in relationship to the information on the low income cut-offs presented in Table 3.

#### Families with 0 to 4 years old children with two parents present

- Slightly more than 10% of families with 0 to 4 years old children with two parents present report a family income of less than 20,000\$.

#### Male lone-parent families with 0 to 4 years old children

- Approximately 53% of male lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

#### Female lone-parent families with 0 to 4 years old children

- Approximately 86% of female lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

### ***Low income cut-offs***

Table 3 presents data on low income cut-offs (interpreted by some as poverty lines) for Canada, by family size and size/type of community.

### ***Knowledge of French of 0 to 4 years old children of entitled parents***

Table 4 presents data relative to the French language competencies (understand French, speak French) of children 0 to 4 years of age of New Brunswick parents entitled to French language education for their children, by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*.

#### **Main observations** (Table 4)

- Over 98% of the 0 to 4 years old children of couples where both parents are entitled Francophones understand and speak French.
- Slightly over 85% of the 0 to 4 years old children of entitled Francophone lone parents understand and speak French.
- Just over 50% of the 0 to 4 years old children of couples where only one parent is an entitled Francophone understand French and approximately 37% speak French.

### ***Summary and additional analyses***

Table 5 presents some of the statistics presented in tables 1, 2a, 2b and 4, as well as new calculations on these statistics. It presents an overview of the data retained to establish the sociodemographic profile of the province.

**Table 1** Total population of New Brunswick and of its 0 to 4 years old children, by mother tongue

Mother tongue	New Brunswick			
	Population		Children aged 0 to 4	
	Number	% of total	Number	% of total
All mother tongues	738,130	100.0	44,560	100.0
English	473,305	64.1	30,870	69.3
English and other	2,100	0.3	225	0.5
French	235,095	31.9	11,725	26.3
English and French	14,890	2.0	1,170	2.6
English, French and other	505	0.1	60	0.1
All others	10,345	1.4	470	1.1

Note 1: The data used to prepare this table were provided by the Fiscal, Economic and Statistical Policy Division of the Department of Finance of the province of New Brunswick. The original data are from the 1996 Canada Census.







Note 1: The data used in the preparation of tables 2a and 2b were provided by the Statistics Canada Advisory Services for the Atlantic Region. The original data are from the 1996 Canada Census.

Note 2: Rounding – In order to ensure confidentiality, i.e. prevent the possibility of associating statistical data with any identifiable individual, Statistics Canada used a “random rounding” procedure. Under this method, all figures in the table are randomly rounded (either up or down) to a multiple of “5”, and in some cases “10”.

Note 3: Percentages calculated on figures subjected to the “random rounding” by Statistics Canada do not necessarily total 100%. Distortions in percentages are particularly noticeable for cells containing small numbers.

**Table 3** Low income cut-offs (LICOs) for 1998 (1992 base) in Canada, by population of the community of residence and family size

Family size	Population of community of residence				Rural
	500,000+	100,000-499,999	30,000-99,999	Less than 30,000	
1	\$ 17,571	\$ 15,070	\$ 14,965	\$ 13,924	\$ 12,142
2	\$ 21,962	\$ 18,837	\$ 18,706	\$ 17,405	\$ 15,178
3	\$ 27,315	\$ 23,429	\$ 23,264	\$ 21,647	\$ 18,877
4	\$ 33,063	\$ 28,359	\$ 28,162	\$ 26,205	\$ 22,849
5	\$ 36,958	\$ 31,701	\$ 31,481	\$ 29,293	\$ 25,542
6	\$ 40,855	\$ 35,043	\$ 34,798	\$ 32,379	\$ 28,235
7+	\$ 44,751	\$ 38,385	\$ 38,117	\$ 35,467	\$ 30,928

Note 1: This table comes from the Canadian Council on Social Development (CCSD) in Ottawa.

Note 2: The table uses the 1992 base. Income refers to total pre-tax, post-transfer household income.

Note 3: The data were prepared by the Centre for International Statistics at the CCSD using Statistics Canada's low income cut-offs, from *Low Income Cut-Offs*, Cat. No. 13-551-XPB, December 1999.

**Table 4** Knowledge of French of 0 to 4 years old children of entitled parents in New Brunswick

	Number of children 0-4	Understand French	Speak French
Children whose 2 parents are entitled francophones	8,550	8,470 (99.1)	8,395 (98.2)
Children with 1 entitled francophone parent and 1 anglophone parent	4,695	2,385 (50.8)	1,745 (37.2)
Children whose lone parent is an entitled francophone	1,620	1,430 (88.2)	1,380 (85.2)
Total	14,865	12,285 (82.6)	11,520 (77.5)

Note 1: The data presented in this table were prepared using data presented in the report *Là où le nombre le justifie... III (Commission nationale des parents francophones, 1999)*.

Note 2: This table presents the aggregated data for the entire province of New Brunswick.

**Table 5** Summary Table of Selected Data: New-Brunswick

New Brunswick	N	%
<b>Families with children</b>	<b>107,515</b>	<b>100</b>
Families with child (children) aged 0 to 4	28,580	27
<b>Family structure of families with child (children) aged 0 to 4</b>	<b>28,580</b>	<b>100</b>
Families with child (children) aged 0 to 4		
Families with two parents present	23,415	82
Lone-parent families (female parent)	4,760	17
Lone-parent families (male parent)	405	1
<b>Total income of families with child (children) aged 0 to 4</b>	<b>28,580</b>	<b>100</b>
Families with child (children) aged 0 to 4		
Less than 15,000\$	<b>5,345</b>	<b>19</b>
Families with two parents present	1,575	6(29)
Lone-parent families (female parent)	3,625	13(68)
Lone-parent families (male parent)	145	1(3)
Less than 20,000\$	<b>6,695</b>	<b>23</b>
Families with two parents present	2,375	8(35)
Lone-parent families (female parent)	4,105	14(61)
Lone-parent families (male parent)	215	1(3)
Less than 25,000\$	<b>7,785</b>	<b>27</b>
Families with two parents present	3,175	11(41)
Lone-parent families (female parent)	4,345	15(56)
Lone-parent families (male parent)	265	1(3)
<b>Mother tongue of children aged 0 to 4</b>		
Children aged 0 to 4	<b>44,560</b>	<b>100</b>
English	30,870	69
French	11,725	26
English and French	1,170	3
<b>Children aged 0 to 4 of entitled francophone parents</b>		
Children aged 0 to 4	<b>44,560</b>	<b>100</b>
Children aged 0 to 4 of entitled parents	14,865	33
<b>Knowledge of French of children aged 0 to 4 of entitled parents</b>		
Children aged 0 to 4 of entitled parents	<b>14,865</b>	<b>100</b>
Understand French	12,285	83
Speak French	11,520	78
Children whose two parents are entitled	<b>8,550</b>	<b>58</b>
Understand French	8,470	57(99)
Speak French	8,395	56(98)
Children whose parent is an entitled lone-parent	<b>1,620</b>	<b>11</b>
Understand French	1,430	10(88)
Speak French	1,380	9(85)
Children with one entitled, one non-entitled parent	<b>4,695</b>	<b>32</b>
Understand French	2,385	16(51)
Speak French	1,745	12(37)

Note : Percentages within parentheses are those for the sub-category. For example, of the 19% of families with a total income of less than 15,000\$, 29% are families with two parents present, 68% are lone-parent families (female parent), and 3% are lone-parent families (male parent).

## **SOCIODEMOGRAPHIC PROFILE OF HEALTH REGION 1**

The profile presented in this section is that of Health Region 1. The first table provides a sociodemographic profile of the total population of the region and of its children of 0 to 4 years of age. It is followed by two tables, the first in whole numbers, the second in percentages, which provide a sociodemographic profile of Health Region 1 families with at least one child of 0 to 4 years of age. Statistical data on mother tongue and family income in relation to family structure are presented in these two tables. The third table provides information on low-income cut-offs (LICOs) in Canada. A fourth table provides a statistical portrait of the French language competencies of the 0 to 4 years old children of Health Region 1 parents entitled to French language education for their children by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*. Finally, a fifth table presents a summary of statistical information which can be readily consulted when family literacy interventions for Health Region 1 are discussed.

### ***Total population of Health Region 1 and total population of children 0 to 4 years of age***

Table 1.1 presents data pertaining to the total population of Health Region 1 along with data on the region's children of 0 to 4 years of age, in numbers and in percentages, by mother tongue.

This table is meant to help LNBI and its partners evaluate the needs in family literacy for Health Region 1. It also enables them to take the mother tongue into account in their analysis of family literacy needs and in their development of family literacy initiatives.

### **Main observations** (Table 1.1)

Table 1.1 data reflects the fact that approximately 55% of the population of Health Region 1 reports having English only as the mother tongue. Approximately 40% of the Health Region's population reports having French only as the mother tongue.

Overall, there are 10,415 children of 0 to 4 years of age in Health region 1. They represent 23% of the province's 0 to 4 year olds. Approximately 60% of these children have English as their only mother tongue. Approximately 33% have French as their sole mother tongue and approximately 4% have both English and French as mother tongues.

Table 1.1 data also reflects the fact that the percentage of children of 0 to 4 years of age who are reported to have English only as their mother tongue (60%) is more than 5 percentage points higher than the population reporting English only as the mother tongue (55%). At the same time, the percentage of children of 0 to 4 years reported to have French only as their mother tongue (33%) is almost 7 percentage points lower than the population reporting French only as the mother tongue (40%). If the birth rates are similar in both language groups, these differences could reflect a tendency towards assimilation to English in a certain number of Health Region 1 families. We hypothesise that this would tend to occur primarily for the children of exogamous (English/French) couples.

***Families with at least one child of 0 to 4 years of age: Number and percentage, family structure, and family income***

Table 2.1a presents data on the number of families with children of 0 to 4 years of age in Health Region 1, by family type, mother tongue of the children, and family income.

Table 2.1b presents data relative to the percentage of families with children of 0 to 4 years of age in Health Region 1, by family type, mother tongue of the children, and family income.

The purpose of these two tables is to make it possible for LNBI and its partners to evaluate factors which could differentially affect family literacy needs in Health Region 1. Among the factors which can be considered are family type, mother tongue of the children, and family income.

The data presented in Table 2.1a is in whole numbers. Table 2.1b presents the same data in percentages. The statistics presented below were taken from Table 2.1b.

Main observations : Number and percentage

- 6,415 Health Region 1 families have at least one child of 0 to 4 years of age. This represents 26% of the families with children in Health Region 1.

Main observations : Family structure

- Both parents are present in approximately 85% of the families with one or more children of 0 to 4 years of age.
- Approximately 14% of the families with one or more children of 0 to 4 years of age are lone-parent (female) families.
- Approximately 1% of the families with one or more children of 0 to 4 years of age are lone-parent (male) families.

Main observations : Family income

Families with 0 to 4 years old children with two parents present

- Approximately 5% of families with 0 to 4 years old children with two parents present report a family income of less than 15,000\$.
- Approximately 4% of families with 0 to 4 years old children with two parents present report a family income between 15,000\$ and 20,000\$.

Male lone-parent families with 0 to 4 years old children

- Approximately 13% of male lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.
- Approximately 27% of male lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

#### Female lone-parent families with 0 to 4 years old children

- Approximately 74% of female lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.
- Approximately 8% of female lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

#### Additional observations: Family income

The statistics presented below were calculated using data in Table 2.1b. It would be useful to study them in relationship to the information on the low income cut-offs presented in Table 3.

#### Families with 0 to 4 years old children with two parents present

- A total of 8% of families with 0 to 4 years old children with two parents present report a family income of less than 20,000\$.

#### Male lone-parent families with 0 to 4 years old children

- A total of 40% of male lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

#### Female lone-parent families with 0 to 4 years old children

- Approximately 83% of female lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

#### ***Low income cut-offs***

Table 3 presents data on low income cut-offs (interpreted by some as poverty lines) for Canada, by family size and size/type of community.

#### ***Knowledge of French of 0 to 4 years old children of entitled parents***

Table 4.1 presents data relative to the French language competencies (understand French, speak French) 0 to 4 years old children in families of Health Region 1 entitled to French



language education for their children, by virtue of Section 23 of the Canadian Charter of Rights and Freedoms.

Main observations (Table 4.1, but see Note 2 below this table)

- 98% of the 0 to 4 years old children of couples where both parents are entitled Francophones understand French and approximately 97% speak French.
- Slightly less than 85% of the 0 to 4 years old children of entitled Francophone lone parents understand and speak French.
- Approximately 57% of the 0 to 4 years old children of couples where only one parent is an entitled Francophone understand French and approximately 43% speak French.

***Summary and additional analyses***

Table 5.1 presents some of the statistics presented in tables 1.1, 2.1a, 2.1b and 4.1, as well as new calculations on these statistics. It presents an overview of the data retained to establish the sociodemographic profile of Health Region 1.

**Table 1.1** Population of Health Region 1 and of its 0 to 4 years old children, by mother tongue

Mother tongue	Health Region 1			
	Population		Children aged 0 to 4	
	Number	% of total	Number	% of total
All mother tongues	179,115	100.0	10,145	100.0
English	98,015	54.7	6,060	59.7
English and other	505	0.3	75	0.7
French	71,600	40.0	3,375	33.3
English and French	5,275	2.9	425	4.2
English, French and other	160	0.1	20	0.2
All others	2,925	1.6	190	1.9

Note 1: The data used to prepare this table were provided by the Fiscal, Economic and Statistical Policy Division of the Department of Finance of the province of New Brunswick. The original data are from the 1996 Canada Census.





Note 1: The data used in the preparation of tables 2.1a and 2.1b were provided by the Statistics Canada Advisory Services for the Atlantic Region. The original data are from the 1996 Canada Census.

Note 2: Rounding – In order to ensure confidentiality, i.e. prevent the possibility of associating statistical data with any identifiable individual, Statistics Canada used a “random rounding” procedure. Under this method, all figures in the table are randomly rounded (either up or down) to a multiple of “5”, and in some cases “10”.

Note 3: Percentages calculated on figures subjected to the “random rounding” by Statistics Canada do not necessarily total 100%. Distortions in percentages are particularly noticeable for cells containing small numbers.

**Table 3** Low income cut-offs (LICOs) for 1998 (1992 base) in Canada, by population of the community of residence and family size

Family size	Population of community of residence				Rural
	500,000+	100000-499,999	30,000-99,999	Less than 30,000	
1	\$ 17,571	\$ 15,070	\$ 14,965	\$ 13,924	\$ 12,142
2	\$ 21,962	\$ 18,837	\$ 18,706	\$ 17,405	\$ 15,178
3	\$ 27,315	\$ 23,429	\$ 23,264	\$ 21,647	\$ 18,877
4	\$ 33,063	\$ 28,359	\$ 28,162	\$ 26,205	\$ 22,849
5	\$ 36,958	\$ 31,701	\$ 31,481	\$ 29,293	\$ 25,542
6	\$ 40,855	\$ 35,043	\$ 34,798	\$ 32,379	\$ 28,235
7+	\$ 44,751	\$ 38,385	\$ 38,117	\$ 35,467	\$ 30,928

Note 1: This table comes from the Canadian Council on Social Development (CCSD) in Ottawa.

Note 2: The table uses the 1992 base. Income refers to total pre-tax, post-transfer household income.

Note 3: The data were prepared by the Centre for International Statistics at the CCSD using Statistics Canada's low income cut-offs, from *Low Income Cut-Offs*, Cat. No. 13-551-XPB, December 1999.

**Table 4.1** Knowledge of French of 0 to 4 years old children of entitled parents in Health Region 1

	Number of children 0-4	Understand French	Speak French
Children whose 2 parents are entitled francophones	2,290	2,245 (98.0)	2,210 (96.5)
Children with 1 entitled francophone parent and 1 anglophone parent	1,800	1,025 (56.9)	780 (43.3)
Children whose lone parent is an entitled francophone	335	280 (83.6)	280 (83.6)
Total	4,425	3,550 (80.2)	3,270 (73.9)

Note 1: The data presented in this table were prepared using data presented in the report *Là où le nombre le justifie... III (Commission nationale des parents francophones, 1999)*.

Note 2: This table presents the aggregated data for Kent, Albert, and Westmorland counties, which corresponds to Health Region 1.

**Table 5.1** Summary Table of Selected Data: Health Region 1

	Province N	Region 1 N	Percent Province	Percent Region 1
<b>Families with children</b>	<b>107,515</b>	<b>24,800</b>	<b>23</b>	<b>100</b>
Families with child (children) aged 0 to 4	28,580	6,415	22	26
<b>Family structure of families with child (children) aged 0 to 4</b>				
Families with child (children) aged 0 to 4	<b>28,580</b>	<b>6,415</b>	<b>22</b>	<b>100</b>
Families with two parents present	23,415	5,445	23	85
Lone-parent families (female parent)	4,760	895	19	14
Lone-parent families (male parent)	405	75	19	1
<b>Total income of families with child (children) aged 0 to 4</b>				
Families with child (children) aged 0 to 4	<b>28,580</b>	<b>6,415</b>	<b>22</b>	<b>100</b>
Less than 15,000\$	<b>5,345</b>	<b>920</b>	<b>17</b>	<b>14</b>
Families with two parents present	1,575	245	16	4(27)
Lone-parent families (female parent)	3,625	665	18	10(72)
Lone-parent families (male parent)	145	10	7	0(1)
Less than 20,000\$	<b>6,695</b>	<b>1,205</b>	<b>18</b>	<b>19</b>
Families with two parents present	2,375	435	18	7(36)
Lone-parent families (female parent)	4,105	740	18	12(61)
Lone-parent families (male parent)	215	30	14	0(2)
Less than 25,000\$	<b>7,785</b>	<b>1,515</b>	<b>19</b>	<b>24</b>
Families with two parents present	3,175	685	22	11(45)
Lone-parent families (female parent)	4,345	800	18	12(53)
Lone-parent families (male parent)	265	30	11	0(2)
<b>Mother tongue of children aged 0 to 4</b>				
Children aged 0 to 4	<b>44,560</b>	<b>10,145</b>	<b>23</b>	<b>100</b>
English	30,870	6,060	20	60
French	11,725	3,375	29	33
English and French	1,170	425	36	4
<b>Children aged 0 to 4 of entitled francophone parents</b>				
Children aged 0 to 4	<b>44,560</b>	<b>10,145</b>	<b>23</b>	<b>100</b>
Children aged 0 to 4 of entitled parents	14,865	4,425	30	44
<b>Knowledge of French of children aged 0 to 4 of entitled parents</b>				
Children aged 0 to 4 of entitled parents	<b>14,865</b>	<b>4,425</b>	<b>30</b>	<b>100</b>
Understand French	12,285	3,550	29	81
Speak French	11,520	3,270	28	74
Children whose two parents are entitled	<b>8,550</b>	<b>2,290</b>	<b>27</b>	<b>52</b>
Understand French	8,470	2,245	27	51(98)
Speak French	8,395	2,210	26	50(97)
Children whose parent is an entitled lone-parent	<b>1,620</b>	<b>335</b>	<b>21</b>	<b>8</b>
Understand French	1,430	280	20	6(84)
Speak French	1,380	280	20	6(84)
Children with one entitled, one non-entitled parent	<b>4,695</b>	<b>1,800</b>	<b>38</b>	<b>41</b>
Understand French	2,385	1,025	43	23(57)
Speak French	1,745	780	47	18(43)

Note : Percentages within parentheses are those for the sub-category. For example, of the 14% of families with a total income of less than 15,000\$, 27% are families with two parents present, 72% are lone-parent families (female parent), and 1% are lone-parent families (male parent).



## **SOCIODEMOGRAPHIC PROFILE OF HEALTH REGION 2**

The profile presented in this section is that of Health Region 2. The first table provides a sociodemographic profile of the total population of the region and of its children of 0 to 4 years of age. It is followed by two tables, the first in whole numbers, the second in percentages, which provide a sociodemographic profile of Health Region 2 families with at least one child of 0 to 4 years of age. Statistical data on mother tongue and family income in relation to family structure are presented in these two tables. The third table provides information on low-income cut-offs (LICOs) in Canada. A fourth table provides a statistical portrait of the French language competencies of the 0 to 4 years old children of Health Region 2 parents entitled to French language education for their children by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*. Finally, a fifth table presents a summary of statistical information which can be readily consulted when literacy interventions for Health Region 2 are discussed.

### ***Total population of Health Region 2 and total population of children of 0 to 4 years of age***

Table 1.2 presents data pertaining to the total population of Health Region 2 along with data on the region's children of 0 to 4 years of age, in numbers and in percentages, by mother tongue.

This table is meant to help LNBI and its partners evaluate the needs in family literacy for Health Region 2. It also enables them to take the mother tongue into account in their analysis of family literacy needs and in their development of family literacy initiatives.

Main observations (Table 1.2)

Table 1.2 data reflects the fact that approximately 94% of the population of Health Region 2 reports having English only as the mother tongue. Less than 4% of the Health Region 2 population reports having French only as the mother tongue.

Overall, there are 11,525 children of 0 to 4 years of age in Health region 2. They represent 26% of the province's 0 to 4 year olds. Approximately 97% of these children have English as their only mother tongue. Approximately 1% have French as their sole mother tongue and approximately 1% have both English and French as mother tongues.

Table 1.2 data also reflects the fact that the percentage of children 0 to 4 years of age who are reported to have English only as their mother tongue is nearly 3 percentage points higher than the population reporting English only as the mother tongue. At the same time, the percentage of children 0 to 4 years reported to have French only as their mother tongue is more than 2 percentage points lower than the population reporting French only as the mother tongue. If the birth rates are similar in both language groups, these differences could reflect a tendency towards assimilation to English in a certain number of Health Region 2 families. We hypothesise that this would tend to occur primarily for the children of exogamous (English/French) couples.

***Families with at least one child of 0 to 4 years of age: Number and percentage, family structure, and family income***

Table 2.2a presents data on the number of families with 0 to 4 years old children in Health Region 2, by family type, mother tongue of the children, and family income.

Table 2.2b presents data relative to the percentage of families with 0 to 4 years old children of age in Health Region 2, by family type, mother tongue of the children, and family income.

The purpose of these two tables is to make it possible for LNBI and its partners to evaluate factors which could differentially affect family literacy needs in Health Region 2. Among the factors which can be considered are family type, mother tongue of the children, and family income.

The data presented in Table 2.2a is in whole numbers. Table 2.2b presents the same data in percentages. The statistics presented below were taken from Table 2.2b.

Main observations: Number and percentage

- 7,810 Health Region 2 families have at least one child of 0 to 4 years of age. This represents 31% of the families with children in Health Region 2.

Main observations: Family structure

- Both parents are present in approximately 79% of the families with one or more children of 0 to 4 years of age.
- Approximately 20% of the families with one or more children of 0 to 4 years of age are lone-parent (female) families.
- Approximately 1% of the families with one or more children of 0 to 4 years of age are lone-parent (male) families.

Main observations: Family income

Families with 0 to 4 years old children with two parents present

- Approximately 6% of families with 0 to 4 years old children with two parents present report a family income of less than 15,000\$.
- Approximately 3% of families with 0 to 4 years old children with two parents present report a family income between 15,000\$ and 20,000\$.

#### Male lone-parent families with 0 to 4 years old children

- Approximately 44% of male lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.
- Approximately 28% of male lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

#### Female lone-parent families with 0 to 4 years old children

- Approximately 78% of female lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.
- Approximately 9% of female lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

#### Additional observations: Family income

The statistics presented below were calculated using data in Table 2.2b. It would be useful to study them in relationship to the information on the low income cut-offs presented in Table 3.

#### Families with 0 to 4 years old children with two parents present

- A total of approximately 9% of families with 0 to 4 years old children with two parents present report a family income of less than 20,000\$.

#### Male lone-parent families with 0 to 4 years old children

- A total of approximately 72% of male lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

#### Female lone-parent families with 0 to 4 years old children

- A total of approximately 88% of female lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

### ***Low income cut-offs***

Table 3 presents data on low income cut-offs (interpreted by some as poverty lines) for Canada, by family size and size/type of community.

### ***Knowledge of French of children of 0 to 4 years of age of entitled parents***

Table 4.2 presents data relative to the French language competencies (understand French, speak French) of 0 to 4 years old children of families from the combined counties of Charlotte, Saint John and Kings (approximation of Health Region 2, see note below Table 4.2) entitled to French language education for their children, by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*.

Main observations (Table 4.2, but see Note 2 below this table)

- Over 95% of the 0 to 4 years old children of couples where both parents are entitled Francophones understand French and approximately 91% speak French.
- Approximately 17% of the 0 to 4 years old children of entitled Francophone lone parents understand French and none speak French.
- Approximately 26% of the 0 to 4 years old children of couples where only one parent is an entitled Francophone understand French and approximately 9% speak French.

### ***Summary and additional analyses***

Table 5.2 presents some of the statistics presented in tables 1.2, 2.2a, 2.2b and 4.2, as well as new calculations on these statistics. It presents an overview of the data retained to establish the sociodemographic profile of Health Region 2.

**Table 1.2** Population of Health Region 2 and of its 0 to 4 years old children, by mother tongue

Mother tongue	Health Region 2			
	Population		Children aged 0 to 4	
	Number	% of total	Number	% of total
All mother tongues	174,575	100.0	11,525	100.0
English	164,545	94.3	11,185	97.0
English and other	450	0.3	40	0.3
French	5,720	3.3	140	1.2
English and French	1,470	0.8	110	1.0
English, French and other	70	0.0	5	0.0
All others	2,110	1.2	50	0.4

Note 1: The data used to prepare this table were provided by the Fiscal, Economic and Statistical Policy Division of the Department of Finance of the province of New Brunswick. The original data are from the 1996 Canada Census.







Note 1: The data used in the preparation of tables 2.2a and 2.2b were provided by the Statistics Canada Advisory Services for the Atlantic Region. The original data are from the 1996 Canada Census.

Note 2: Rounding – In order to ensure confidentiality, i.e. prevent the possibility of associating statistical data with any identifiable individual, Statistics Canada used a “random rounding” procedure. Under this method, all figures in the table are randomly rounded (either up or down) to a multiple of “5”, and in some cases “10”.

Note 3: Percentages calculated on figures subjected to the “random rounding” by Statistics Canada do not necessarily total 100%. Distortions in percentages are particularly noticeable for cells containing small numbers.

**Table 3** Low income cut-offs (LICOs) for 1998 (1992 base) in Canada, by population of the community of residence and family size

Family size	Population of community of residence				Rural
	500,000+	100,000-499,999	30,000-99,999	Less than 30,000	
1	\$ 17,571	\$ 15,070	\$ 14,965	\$ 13,924	\$ 12,142
2	\$ 21,962	\$ 18,837	\$ 18,706	\$ 17,405	\$ 15,178
3	\$ 27,315	\$ 23,429	\$ 23,264	\$ 21,647	\$ 18,877
4	\$ 33,063	\$ 28,359	\$ 28,162	\$ 26,205	\$ 22,849
5	\$ 36,958	\$ 31,701	\$ 31,481	\$ 29,293	\$ 25,542
6	\$ 40,855	\$ 35,043	\$ 34,798	\$ 32,379	\$ 28,235
7+	\$ 44,751	\$ 38,385	\$ 38,117	\$ 35,467	\$ 30,928

Note 1: This table comes from the Canadian Council on Social Development (CCSD) in Ottawa.

Note 2: The table uses the 1992 base. Income refers to total pre-tax, post-transfer household income.

Note 3: The data were prepared by the Centre for International Statistics at the CCSD using Statistics Canada's low income cut-offs, from *Low Income Cut-Offs*, Cat. No. 13-551-XPB, December 1999.

**Table 4.2** Knowledge of French of children 0 to 4 years of age of entitled parents in Charlotte, Saint John and Kings counties

	Number of children 0-4	Understand French	Speak French
Children whose 2 parents are entitled francophones	105	100 (95.3)	95 (90.5)
Children with 1 entitled francophone parent and 1 anglophone parent	515	135 (26.3)	45 (8.8)
Children whose lone parent is an entitled francophone	60	10 (16.7)	0 (0.0)
Total	680	245 (36.1)	140 (20.6)

Note 1: The data presented in this table were prepared using data presented in the report *Là où le nombre le justifie... III (Commission nationale des parents francophones, 1999)*.

Note 2: This table presents the aggregated data for Charlotte, Saint John, and Kings counties, which are all in Health Region 2. The parishes of Petersville, Hampstead, Wickham, Johnston and Brunswick, in Queens County, are also part of Health Region 2. However, for cost-related considerations, it was not possible to obtain and include the data for these parishes. The data presented here for Health Region 2 are therefore incomplete, and they should be interpreted with caution.

**Table 5.2** Summary Table of Selected Data: Health Region 2

	Province N	Region 2 N	Percent Province	Percent Region 2
<b>Families with children</b>	<b>107,515</b>	<b>25,535</b>	<b>24</b>	<b>100</b>
Families with child (children) aged 0 to 4	28,580	7,810	27	31
<b>Family structure of families with child (children) aged 0 to 4</b>				
Families with child (children) aged 0 to 4	<b>28,580</b>	<b>7,810</b>	<b>27</b>	<b>100</b>
Families with two parents present	23,415	6,190	26	79
Lone-parent families (female parent)	4,760	1,530	32	20
Lone-parent families (male parent)	405	90	22	1
<b>Total income of families with child (children) aged 0 to 4</b>				
Families with child (children) aged 0 to 4	<b>28,580</b>	<b>7,810</b>	<b>27</b>	<b>100</b>
Less than 15,000\$	<b>5,345</b>	<b>1,585</b>	<b>30</b>	<b>20</b>
Families with two parents present	1,575	345	23	4(22)
Lone-parent families (female parent)	3,625	1,200	33	15(76)
Lone-parent families (male parent)	145	40	28	1(3)
Less than 20,000\$	<b>6,695</b>	<b>1,945</b>	<b>29</b>	<b>25</b>
Families with two parents present	2,375	540	23	7(28)
Lone-parent families (female parent)	4,105	1,340	33	17(69)
Lone-parent families (male parent)	215	65	30	1(3)
Less than 25,000\$	<b>7,785</b>	<b>2,295</b>	<b>29</b>	<b>29</b>
Families with two parents present	3,175	810	26	10(35)
Lone-parent families (female parent)	4,345	1,410	32	18(61)
Lone-parent families (male parent)	265	75	28	1(3)
<b>Mother tongue of children aged 0 to 4</b>				
Children aged 0 to 4	<b>44,560</b>	<b>11,525</b>	<b>26</b>	<b>100</b>
English	30,870	11,185	36	97
French	11,725	140	1	1
English and French	1,170	110	9	1
<b>Children aged 0 to 4 of entitled francophone parents</b>				
Children aged 0 to 4	<b>44,560</b>	<b>11,525</b>	<b>26</b>	<b>100</b>
Children aged 0 to 4 of entitled parents	14,865	680	5	6
<b>Knowledge of French of children aged 0 to 4 of entitled parents</b>				
Children aged 0 to 4 of entitled parents	<b>14,865</b>	<b>680</b>	<b>5</b>	<b>100</b>
Understand French	12,285	245	2	36
Speak French	11,520	140	1	21
Children whose two parents are entitled	<b>8,550</b>	<b>105</b>	<b>1</b>	<b>15</b>
Understand French	8,470	100	1	15(95)
Speak French	8,395	95	1	14(91)
Children whose parent is an entitled lone-parent	<b>1,620</b>	<b>60</b>	<b>4</b>	<b>9</b>
Understand French	1,430	10	1	1(17)
Speak French	1,380	0	0	0(0)
Children with one entitled, one non-entitled parent	<b>4,695</b>	<b>515</b>	<b>11</b>	<b>76</b>
Understand French	2,385	135	6	20(26)
Speak French	1,745	45	3	7(9)

Note : Percentages within parentheses are those for the sub-category. For example, of the 20% of families with a total income of less than 15,000\$, 22% are families with two parents present, 76% are lone-parent families (female parent), and 3% are lone-parent families (male parent).

### **SOCIODEMOGRAPHIC PROFILE OF HEALTH REGION 3**

The profile presented in this section is that of Health Region 3. The first table provides a sociodemographic profile of the total population of the region and of its children of 0 to 4 years of age. It is followed by two tables, the first in whole numbers, the second in percentages, which provide a sociodemographic profile of Health Region 3 families with at least one child of 0 to 4 years of age. Statistical data on mother tongue and family income in relation to family structure are presented in these two tables. The third table provides information on low-income cut-offs (LICOs) in Canada. A fourth table provides a statistical portrait of the French language competencies of the 0 to 4 years old children of Health Region 3 parents entitled to French language education for their children by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*. Finally, a fifth table presents a summary of statistical information which can be readily consulted when literacy interventions for Health Region 3 are discussed.

#### ***Total population of Health Region 3 and total population of 0 to 4 years old children***

Table 1.3 presents data pertaining to the total population of Health Region 3 along with data on the region's children of 0 to 4 years of age, in numbers and in percentages, by mother tongue.

This table is meant to help LNBI and its partners evaluate the needs in family literacy for Health Region 3. It also enables them to take the mother tongue into account in their analysis of family literacy needs and in their development of family literacy initiative.

#### **Main observations** (Table 1.3)

Table 1.3 data reflects the fact that approximately 91% of the population of Health Region 3 reports having English only as the mother tongue. Approximately 5% of the Health Region 3 population reports having French only as the mother tongue.

Overall, there are 10,675 children of 0 to 4 years of age in Health region 3. They represent 24% of the province's 0 to 4 year olds. Approximately 93% of these children have English as their only mother tongue. Approximately 3% have French as their sole mother tongue and approximately 1% have both English and French as mother tongues.

Table 1.3 data also reflects the fact that the percentage of children 0 to 4 years of age who are reported to have English only as their mother tongue is 2 percentage points higher than the population reporting English only as the mother tongue. At the same time, the percentage of children 0 to 4 years of age reported to have French only as their mother tongue is nearly 2 percentage points lower than the population reporting French only as the mother tongue. If the birth rates are similar in both language groups, these differences could reflect a tendency towards assimilation to English in a certain number Health Region 3 families. We hypothesise that this would tend to occur primarily for the children of exogamous (English/French) couples.

***Families with at least one child of 0 to 4 years of age: Number and percentage, family structure, and family income***

Table 2.3a presents data on the number of families with 0 to 4 years old children in Health Region 3, by family type, mother tongue of the children, and family income.

Table 2.3b presents data relative to the percentage of families with children 0 to 4 years of age in Health Region 3, by family type, mother tongue of the children, and family income.

The purpose of these two tables is to make it possible for LNBI and its partners to evaluate factors which could differentially affect family literacy needs in Health Region 3. Among the factors which can be considered are family type, mother tongue of the children, and family income.

The data presented in Table 2.3a is in whole numbers. Table 2.3b presents the same data in percentages. The statistics presented below were taken from Table 2.3b.

Main observations : Number and percentage

- 7,270 Health Region 3 families have at least one child of 0 to 4 years of age.  
This represents 30% of the families with children in Health Region 3.

Main observations : Family structure

- Both parents are present in approximately 86% of the families with one or more children of 0 to 4 years of age.
- Approximately 12% of the families with one or more children of 0 to 4 years of age are lone-parent (female) families.
- Approximately 1% of the families with one or more children of 0 to 4 years of age are lone-parent (male) families.

Main observations : Family income

Families with 0 to 4 years old children with two parents present

- Approximately 7% of families with 0 to 4 years old children with two parents present report a family income of less than 15,000\$.
- Approximately 4% of families with 0 to 4 years old children with two parents present report a family income between 15,000\$ and 20,000\$.

Male lone-parent families with 0 to 4 years old children

- 10% of male lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.
- 40% of male lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

Female lone-parent families with 0 to 4 years old children

- Approximately 68% of female lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.

- Approximately 11% of female lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

#### Additional observations: Family income

The statistics presented below were calculated using data in Table 2.3b. It would be useful to study them in relationship to the information on the low income cut-offs presented in Table 3.

Families with 0 to 4 years old children with two parents present

- A total of just over 10% of families with 0 to 4 years old children with two parents present report a family income of less than 20,000\$.

Male lone-parent families with 0 to 4 years old children

- A total of 50% of male lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

Female lone-parent families with 0 to 4 years old children

- Approximately 79% of female lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

#### ***Low income cut-offs***

Table 3 presents data on low income cut-offs (interpreted by some as poverty lines) for Canada, by family size and size/type of community.

#### ***Knowledge of French of 0 to 4 years old children of entitled parents***

Table 4.3 presents data relative to the French language competencies (understand French, speak French) of 0 to 4 years old children of families from the combined counties of Carleton, York, Sunbury, Queens and Victoria (approximation of Health Region 3, see note below Table 4.3), entitled to French language education for their children, by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*.



Main observations (Table 4.3, but see Note 2 below this table)

- Over 98% of the 0 to 4 years old children of couples where both parents are entitled Francophones understand and speak French.
- Approximately 67% of the 0 to 4 years old children of entitled Francophone lone parents understand and speak French.
- 39% of the 0 to 4 years old children of couples where only one parent is an entitled Francophone understand French and approximately 21% speak French.

***Summary and additional analyses***

Table 5.3 presents some of the statistics presented in tables 1.3, 2.3a, 2.3b and 4.3, as well as new calculations on these statistics. It presents an overview of the data retained to establish the sociodemographic profile of Health Region 3.

**Table 1.3** Population of Health Region 3 and of its 0 to 4 years old children, by mother tongue

Mother tongue	Health Region 3			
	Population		Children aged 0 to 4	
	Number	% of total	Number	% of total
All mother tongues	162,065	100.0	10,675	100.0
English	147,635	91.1	9,940	93.1
English and other	710	0.4	75	0.7
French	8,310	5.1	365	3.4
English and French	1,395	0.9	135	1.3
English, French and other	90	0.1	15	0.1
All others	3,725	2.3	115	1.1

Note 1: The data used to prepare this table were provided by the Fiscal, Economic and Statistical Policy Division of the Department of Finance of the province of New Brunswick. The original data are from the 1996 Canada Census.





Note 1: The data used in the preparation of tables 2.3a and 2.3b were provided by the Statistics Canada Advisory Services for the Atlantic Region. The original data are from the 1996 Canada Census.

Note 2: Rounding – In order to ensure confidentiality, i.e. prevent the possibility of associating statistical data with any identifiable individual, Statistics Canada used a “random rounding” procedure. Under this method, all figures in the table are randomly rounded (either up or down) to a multiple of “5”, and in some cases “10”.

Note 3: Percentages calculated on figures subjected to the “random rounding” by Statistics Canada do not necessarily total 100%. Distortions in percentages are particularly noticeable for cells containing small numbers.

**Table 3** Low income cut-offs (LICOs) for 1998 (1992 base) in Canada, by population of the community of residence and family size

Family size	Population of community of residence				Rural
	500,000+	100,000-499,999	30,000-99,999	Less than 30,000	
1	\$ 17,571	\$ 15,070	\$ 14,965	\$ 13,924	\$ 12,142
2	\$ 21,962	\$ 18,837	\$ 18,706	\$ 17,405	\$ 15,178
3	\$ 27,315	\$ 23,429	\$ 23,264	\$ 21,647	\$ 18,877
4	\$ 33,063	\$ 28,359	\$ 28,162	\$ 26,205	\$ 22,849
5	\$ 36,958	\$ 31,701	\$ 31,481	\$ 29,293	\$ 25,542
6	\$ 40,855	\$ 35,043	\$ 34,798	\$ 32,379	\$ 28,235
7+	\$ 44,751	\$ 38,385	\$ 38,117	\$ 35,467	\$ 30,928

Note 1: This table comes from the Canadian Council on Social Development (CCSD) in Ottawa.

Note 2: The table uses the 1992 base. Income refers to total pre-tax, post-transfer household income.

Note 3: The data were prepared by the Centre for International Statistics at the CCSD using Statistics Canada's low income cut-offs, from *Low Income Cut-Offs*, Cat. No. 13-551-XPB, December 1999.

**Table 4.3** Knowledge of French of 0 to 4 years old children of entitled parents in Carleton, York, Sunbury, Queens and Victoria counties

	Number of children 0-4	Understand French	Speak French
Children whose 2 parents are entitled francophones	570	560 (98.3)	560 (98.3)
Children with 1 entitled francophone parent and 1 anglophone parent	975	380 (39.0)	205 (21.1)
Children whose lone parent is an entitled francophone	60	40 (66.7)	40 (66.7)
Total	1,605	980 (61.1)	805 (50.2)

Note 1: The data presented in this table were prepared using data presented in the report *Là où le nombre le justifie... III (Commission nationale des parents francophones, 1999)*.

Note 2: This table presents the aggregated data for Carleton, York, Sunbury, Queens, and Victoria counties. On one hand, the parishes of Petersville, Hampstead, Wickham, Johnston, and Brunswick in Queens County, and the parishes of Drummond and Grand Falls in Victoria County are not part of Health Region 3. On the other hand, the parishes of Ludlow and Blissfield in Northumberland County are part of Health Region 3. For cost-related considerations, it was not possible to obtain and exclude data for the Queens County parishes named above, or to obtain and include data for the above-named Northumberland County parishes. The data presented here for Health Region 3 are therefore provided as a rough approximation only, and they should be interpreted with caution.

**Table 5.3** Summary Table of Selected Data: Health Region 3

	Province N	Region 3 N	Percent Province	Percent Region 3
<b>Families with children</b>	<b>107,515</b>	<b>24,480</b>	<b>23</b>	<b>100</b>
Families with child (children) aged 0 to 4	28,580	7,270	25	30
<b>Family structure of families with child (children) aged 0 to 4</b>				
Families with child (children) aged 0 to 4	<b>28,580</b>	<b>7,270</b>	<b>25</b>	<b>100</b>
Families with two parents present	23,415	6,270	27	86
Lone-parent families (female parent)	4,760	900	19	12
Lone-parent families (male parent)	405	100	25	1
<b>Total income of families with child (children) aged 0 to 4</b>				
Families with child (children) aged 0 to 4	<b>28,580</b>	<b>7,270</b>	<b>25</b>	<b>100</b>
Less than 15,000\$	<b>5,345</b>	<b>1,040</b>	<b>19</b>	<b>14</b>
Families with two parents present	1,575	420	27	6(40)
Lone-parent families (female parent)	3,625	610	17	8(59)
Lone-parent families (male parent)	145	10	7	0(1)
Less than 20,000\$	<b>6,695</b>	<b>1,415</b>	<b>21</b>	<b>19</b>
Families with two parents present	2,375	655	28	9(46)
Lone-parent families (female parent)	4,105	710	17	10(50)
Lone-parent families (male parent)	215	50	23	1(4)
Less than 25,000\$	<b>7,785</b>	<b>1,870</b>	<b>24</b>	<b>26</b>
Families with two parents present	3,175	1,025	32	14(55)
Lone-parent families (female parent)	4,345	785	18	11(42)
Lone-parent families (male parent)	265	60	23	1(3)
<b>Mother tongue of children aged 0 to 4</b>				
Children aged 0 to 4	<b>44,560</b>	<b>10,675</b>	<b>24</b>	<b>100</b>
English	30,870	9,940	32	93
French	11,725	365	3	3
English and French	1,170	135	12	1
<b>Children aged 0 to 4 of entitled francophone parents</b>				
Children aged 0 to 4	<b>44,560</b>	<b>10,675</b>	<b>24</b>	<b>100</b>
Children aged 0 to 4 of entitled parents	14,865	1,605	11	15
<b>Knowledge of French of children aged 0 to 4 of entitled parents</b>				
Children aged 0 to 4 of entitled parents	<b>14,865</b>	<b>1,605</b>	<b>11</b>	<b>100</b>
Understand French	12,285	980	8	61
Speak French	11,520	805	7	50
Children whose two parents are entitled	<b>8,550</b>	<b>570</b>	<b>7</b>	<b>36</b>
Understand French	8,470	560	7	35(98)
Speak French	8,395	560	7	35(98)
Children whose parent is an entitled lone-parent	<b>1,620</b>	<b>60</b>	<b>4</b>	<b>4</b>
Understand French	1,430	40	3	2(67)
Speak French	1,380	40	3	2(67)
Children with one entitled, one non-entitled parent	<b>4,695</b>	<b>975</b>	<b>21</b>	<b>61</b>
Understand French	2,385	380	16	24(39)
Speak French	1,745	205	12	13(21)

Note : Percentages within parentheses are those for the sub-category. For example, of the 14% of families with a total income of less than 15,000\$, 40% are families with two parents present, 59% are lone-parent families (female parent), and 1% are lone-parent families (male parent).



## **SOCIODEMOGRAPHIC PROFILE OF HEALTH REGION 4**

The profile presented in this section is that of Health Region 4. The first table provides a sociodemographic profile of the total population of the region and of its children of 0 to 4 years of age. It is followed by two tables, the first in whole numbers, the second in percentages, which provide a sociodemographic profile of Health Region 4 families with at least one child of 0 to 4 years of age. Statistical data on mother tongue and family income in relation to family structure are presented in these two tables. The third table provides information on low-income cut-offs (LICOs) in Canada. A fourth table provides a statistical portrait of the French language competencies of the 0 to 4 years old children of Health Region 4 parents entitled to French language education for their children by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*. Finally, a fifth table presents a summary of statistical information which can be readily consulted when literacy interventions for Health Region 4 are discussed.

### ***Total population of Health Region 4 and total population of 0 to 4 years old children***

Table 1.4 presents data pertaining to the total population of Health Region 4 along with data on the region's children of 0 to 4 years of age, in numbers and in percentages, by mother tongue.

This table is meant to help LNBI and its partners evaluate the needs in family literacy for Health Region 4. It also enables them to take the mother tongue into account in their analysis of family literacy needs and in their development of family literacy initiatives.

### **Main observations** (Table 1.4)

Table 1.4 data reflects the fact that approximately 7% of the population of Health Region 4 reports having English only as the mother tongue. Approximately 89% of the Health Region 4 population reports having French only as the mother tongue.

Overall, there are 2,950 children of 0 to 4 years of age in Health Region 4. They represent 7% of the province's 0 to 4 year olds. Approximately 7% of these children have English as their only mother tongue. Approximately 88% have French as their sole mother tongue and approximately 3% have both English and French as mother tongues.

***Families with at least one child of 0 to 4 years of age: Number and percentage, family structure, and family income***

Table 2.4a presents data on the number of families with 0 to 4 years old children in Health Region 4, by family type, mother tongue of the children, and family income.

Table 2.4b presents data relative to the percentage of families with 0 to 4 years old children in Health Region 4, by family type, mother tongue of the children, and family income.

The purpose of these two tables is to make it possible for LNBI and its partners to evaluate factors which could differentially affect family literacy needs in Health Region 4. Among the factors which can be considered are family type, mother tongue of the children, and family income.

The data presented in Table 2.4a is in whole numbers. Table 2.4b presents the same data in percentages. The statistics presented below were taken from Table 2.4b.

Main observations: Number and percentage

1,350 Health Region 4 families have at least one child of 0 to 4 years of age. This represents 21% of the families with children in Health Region 4.

Main observations: Family structure

- Both parents are present in approximately 81% of the families with one or more children of 0 to 4 years of age.

- Approximately 17% of the families with one or more children of 0 to 4 years of age are lone-parent (female) families.
- Approximately 2% of the families with one or more children of 0 to 4 years of age are lone-parent (male) families.

#### Main observations: Family income

Families with 0 to 4 years old children with two parents present

- Approximately 12% of families with 0 to 4 years old children with two parents present report a family income of less than 15,000\$.
- Approximately 2% of families with 0 to 4 years old children with two parents present report a family between 15,000\$ and 20,000\$.

Male lone-parent families with 0 to 4 years old children

- 40% of male lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.
- No male lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

Female lone-parent families with 0 to 4 years old children

- Approximately 74% of female lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.
- Approximately 11% of female lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

#### Additional observations: Family income

The statistics presented below were calculated using data in Table 2.4b. It would be useful to study them in relationship to the information on the low income cut-offs presented in Table 3.

Families with 0 to 4 years old children with two parents present

- A total of just over 14% of families with 0 to 4 years old children with two parents present report a family income of less than 20,000\$.

Male lone-parent families with 0 to 4 years old children

- A total of 40% of male lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

Female lone-parent families with 0 to 4 years old children

- A total of approximately 85% of female lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

### ***Low income cut-offs***

Table 3 presents data on low income cut-offs (interpreted by some as poverty lines) for Canada, by family size and size/type of community.

### ***Knowledge of French of 0 to 4 years old children of entitled parents***

Table 4.4 presents data relative to the French language competencies (understand French, speak French) of children of 0 to 4 years of age of families from Madawaska County (approximation of Health Region 4, see note below Table 4.4), entitled to French language education for their children, by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*.

Main observations (Table 4.4, but see Note 2 below this table)

- All 0 to 4 years old children of couples where both parents are entitled Francophones understand and speak French.
- All 0 to 4 years old children of entitled Francophone lone parents understand French and approximately 92% speak French.

- Approximately 92% of the 0 to 4 years old children of couples where only one parent is an entitled Francophone understand French and approximately 88% speak French.

*Summary and additional analyses*

Table 5.4 presents some of the statistics presented in tables 1.4, 2.4a, 2.4b and 4.4, as well as new calculations on these statistics. It presents an overview of the data retained to establish the sociodemographic profile of Health Region 4.

**Table 1.4** Population of Health Region 4 and of its 0 to 4 years old children, by mother tongue

Mother tongue	Health Region 4			
	Population		Children aged 0 to 4	
	Number	% of total	Number	% of total
All mother tongues	53,725	100.0	2,950	100.0
English	3,555	6.6	200	6.8
English and other	45	0.1	5	0.2
French	48,040	89.4	2,580	87.5
English and French	1,555	2.9	100	3.4
English, French and other	45	0.1	10	0.3
All others	230	0.4	10	0.3

Note 1: The data used to prepare this table were provided by the Fiscal, Economic and Statistical Policy Division of the Department of Finance of the province of New Brunswick. The original data are from the 1996 Canada Census.







Note 1: The data used in the preparation of tables 2.4a and 2.4b were provided by the Statistics Canada Advisory Services for the Atlantic Region. The original data are from the 1996 Canada Census.

Note 2: Rounding – In order to ensure confidentiality, i.e. prevent the possibility of associating statistical data with any identifiable individual, Statistics Canada used a “random rounding” procedure. Under this method, all figures in the table are randomly rounded (either up or down) to a multiple of “5”, and in some cases “10”.

Note 3: Percentages calculated on figures subjected to the “random rounding” by Statistics Canada do not necessarily total 100%. Distortions in percentages are particularly noticeable for cells containing small numbers.

**Table 3** Low income cut-offs (LICOs) for 1998 (1992 base) in Canada, by population of the community of residence and family size

Family size	Population of community of residence				Rural
	500,000+	100,000-499,999	30,000-99,999	Less than 30,000	
1	\$ 17,571	\$ 15,070	\$ 14,965	\$ 13,924	\$ 12,142
2	\$ 21,962	\$ 18,837	\$ 18,706	\$ 17,405	\$ 15,178
3	\$ 27,315	\$ 23,429	\$ 23,264	\$ 21,647	\$ 18,877
4	\$ 33,063	\$ 28,359	\$ 28,162	\$ 26,205	\$ 22,849
5	\$ 36,958	\$ 31,701	\$ 31,481	\$ 29,293	\$ 25,542
6	\$ 40,855	\$ 35,043	\$ 34,798	\$ 32,379	\$ 28,235
7+	\$ 44,751	\$ 38,385	\$ 38,117	\$ 35,467	\$ 30,928

Note 1: This table comes from the Canadian Council on Social Development (CCSD) in Ottawa.

Note 2: The table uses the 1992 base. Income refers to total pre-tax, post-transfer household income.

Note 3: The data were prepared by the Centre for International Statistics at the CCSD using Statistics Canada's low income cut-offs, from *Low Income Cut-Offs*, Cat. No. 13-551-XPB, December 1999.

**Table 4.4** Knowledge of French of 0 to 4 years old children of entitled parents in Madawaska County

	Number of children 0-4	Understand French	Speak French
Children whose 2 parents are entitled francophones	1,320	1,320 (100.0)	1,320 (100.0)
Children with 1 entitled francophone parent and 1 anglophone parent	210	190 (90.5)	185 (88.1)
Children whose lone parent is an entitled francophone	240	240 (100.0)	220 (91.7)
Total	1,770	1,750 (98.9)	1,725 (97.5)

Note 1: The data presented in this table were prepared using data presented in the report *Là où le nombre le justifie... III (Commission nationale des parents francophones, 1999)*.

Note 2: This table presents the data for Madawaska County in Health Region 4. The parishes of Drummond and Grand Falls in Victoria County, and the parishes of Grimmer and Saint Quentin in Restigouche County, are also part of Health Region 4. However, for cost-related considerations, it was not possible to obtain and include the data for these parishes. The data presented here for Health Region 4 are therefore incomplete, and they should be interpreted with caution.

**Table 5.4** Summary Table of Selected Data: Health Region 4

	Province N	Region 4 N	Percent Province	Percent Region 4
<b>Families with children</b>	<b>107,515</b>	<b>6,455</b>	<b>1</b>	<b>100</b>
Families with child (children) aged 0 to 4	28,580	1,350	5	21
<b>Family structure of families with child (children) aged 0 to 4</b>				
Families with child (children) aged 0 to 4	<b>28,580</b>	<b>1,350</b>	<b>5</b>	<b>100</b>
Families with two parents present	23,415	1,095	5	81
Lone-parent families (female parent)	4,760	230	5	17
Lone-parent families (male parent)	405	25	6	2
<b>Total income of families with child (children) aged 0 to 4</b>				
Families with child (children) aged 0 to 4	<b>28,580</b>	<b>1,350</b>	<b>5</b>	<b>100</b>
Less than 15,000\$	<b>5,345</b>	<b>315</b>	<b>6</b>	<b>23</b>
Families with two parents present	1,575	135	9	10(43)
Lone-parent families (female parent)	3,625	170	5	13(54)
Lone-parent families (male parent)	145	10	7	1(3)
Less than 20,000\$	<b>6,695</b>	<b>360</b>	<b>5</b>	<b>27</b>
Families with two parents present	2,375	155	7	11(43)
Lone-parent families (female parent)	4,105	195	5	14(54)
Lone-parent families (male parent)	215	10	5	1(3)
Less than 25,000\$	<b>7,785</b>	<b>445</b>	<b>6</b>	<b>33</b>
Families with two parents present	3,175	240	8	18(54)
Lone-parent families (female parent)	4,345	195	4	14(44)
Lone-parent families (male parent)	265	10	4	1(20)
<b>Mother tongue of children aged 0 to 4</b>				
Children aged 0 to 4	<b>44,560</b>	<b>2,950</b>	<b>7</b>	<b>100</b>
English	30,870	200	1	7
French	11,725	2,580	22	88
English and French	1,170	100	9	3
<b>Children aged 0 to 4 of entitled francophone parents</b>				
Children aged 0 to 4	<b>44,560</b>	<b>2,950</b>	<b>7</b>	<b>100</b>
Children aged 0 to 4 of entitled parents	14,865	1,770	12	60
<b>Knowledge of French of children aged 0 to 4 of entitled parents</b>				
Children aged 0 to 4 of entitled parents	<b>14,865</b>	<b>1,770</b>	<b>12</b>	<b>100</b>
Understand French	12,285	1,750	14	99
Speak French	11,520	1,725	15	97
Children whose two parents are entitled	<b>8,550</b>	<b>1,320</b>	<b>15</b>	<b>75</b>
Understand French	8,470	1,320	16	75(100)
Speak French	8,395	1,320	16	75(100)
Children whose parent is an entitled lone-parent	<b>1,620</b>	<b>240</b>	<b>15</b>	<b>14</b>
Understand French	1,430	240	17	14(100)
Speak French	1,380	220	16	12(92)
Children with one entitled, one non-entitled parent	<b>4,695</b>	<b>210</b>	<b>4</b>	<b>12</b>
Understand French	2,385	190	8	11(91)
Speak French	1,745	185	11	10(88)

Note : Percentages within parentheses are those for the sub-category. For example, of the 23% of families with a total income of less than 15,000\$, 43% are families with two parents present, 54% are lone-parent families (female parent), and 3% are lone-parent families (male parent).

## **SOCIODEMOGRAPHIC PROFILE OF HEALTH REGION 5**

The profile presented in this section is that of Health Region 5. The first table provides a sociodemographic profile of the total population of the region and of its children of 0 to 4 years of age. It is followed by two tables, the first in whole numbers, the second in percentages, which provide a sociodemographic profile of Health Region 5 families with at least one child of 0 to 4 years of age. Statistical data on mother tongue and family income in relation to family structure are presented in these two tables. The third table provides information on low-income cut-offs (LICOs) in Canada. A fourth table provides a statistical portrait of the French language competencies of the 0 to 4 years old children of Health Region 5 parents entitled to French language education for their children by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*. Finally, a fifth table presents a summary of statistical information which can be readily consulted when literacy interventions for Health Region 5 are discussed.

### ***Total population of Health Region 5 and total population of 0 to 4 years old children***

Table 1.5 presents data pertaining to the total population of Health Region 5 along with data on the region's children of 0 to 4 years of age, in numbers and in percentages, by mother tongue.

This table is meant to help LNBI and its partners evaluate the needs in family literacy for Health Region 5. It also enables them to take the mother tongue into account in their analysis of family literacy needs and in their development of family literacy initiatives.

### **Main observations (Table 1.5)**

Table 1.5 data reflects the fact that approximately 41% of the population of Health Region 5 reports having English only as the mother tongue. Approximately 52% of the Health Region 5 population reports having French only as the mother tongue.

Overall, there are 1,770 children of 0 to 4 years of age in Health Region 5. They represent 4% of the province's 0 to 4 year olds. Approximately 43% of these children have English as their only mother tongue. Approximately 50% have French as their sole mother tongue and approximately 7% have both English and French as mother tongues.

Table 1.5 data also reflects the fact that the percentage of 0 to 4 years old children who are reported to have English only as their mother tongue is nearly 2 percentage points higher than the population reporting English only as the mother tongue. At the same time, the percentage of children 0 to 4 years reported to have French only as their mother tongue is 2 percentage points lower than the population reporting French only as the mother tongue. If the birth rates are similar in both language groups, these differences could reflect a tendency towards assimilation to English in a certain number of Health Region 5 families. We hypothesise that this would tend to occur primarily for the children of exogamous (English/French) couples.

***Families with at least one child of 0 to 4 years of age: Number and percentage, family structure, and family income***

Table 2.5a presents data on the number of families with 0 to 4 years old children in Health Region 5, by family type, mother tongue of the children, and family income.

Table 2.5b presents data relative to the percentage of families with 0 to 4 years old children in Health Region 5, by family type, mother tongue of the children, and family income.

The purpose of these two tables is to make it possible for LNBI and its partners to evaluate factors which could differentially affect family literacy needs in Health Region 5. Among the factors which can be considered are family type, mother tongue of the children, and family income.

The data presented in Table 2.5a is in whole numbers. Table 2.5b presents the same data in percentages. The statistics presented below were taken from Table 2.5b.

Main observations: Number and percentage

- 1,175 Health Region 5 families have at least one child of 0 to 4 years of age. This represents 22% of the families with children in Health Region 5.

Main observations: Family structure

- Both parents are present in approximately 75% of the families with one or more children of 0 to 4 years of age.
- Approximately 24% of the families with one or more children of 0 to 4 years of age are lone-parent (female) families.
- Approximately 1% of the families with one or more children of 0 to 4 years of age are lone-parent (male) families.

Main observations: Family income

Families with 0 to 4 years old children with two parents present

- Approximately 7% of families with 0 to 4 years old children with two parents present report a family income of less than 15,000\$.
- Approximately 3% of families with 0 to 4 years old children with two parents present report a family between 15,000\$ and 20,000\$.

Male lone-parent families with 0 to 4 years old children

- Approximately 67% of male lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.
- No male lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

Female lone-parent families with 0 to 4 years old children

- Approximately 75% of female lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.
- Approximately 21% of female lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

#### Additional observations: Family income

The statistics presented below were calculated using data in Table 2.5b. It would be useful to study them in relationship to the information on the low income cut-offs presented in Table 3.

Families with 0 to 4 years old children with two parents present

- A total of just under 11% of families with 0 to 4 years old children with two parents present report a family income of less than 20,000\$.

Male lone-parent families with 0 to 4 years old children

- A total of approximately 67% of male lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

Female lone-parent families with 0 to 4 years old children

- A total of approximately 96% of female lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

#### ***Low income cut-offs***

Table 3 presents data on low income cut-offs (interpreted by some as poverty lines) for Canada, by family size and size/type of community.

#### ***Knowledge of French of children of 0 to 4 years of age of entitled parents***

Table 4.5 presents data relative to the French language competencies (understand French, speak French) of 0 to 4 years old children of families from Restigouche County (approximation of Health Region 5, see note below Table 4.5), entitled to French



language education for their children, by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*.

Main observations (Table 4.5, but see Note 2 below this table)

- Over 96% of the 0 to 4 years old children of couples where both parents are entitled Francophones understand and speak French.
- 88% of the 0 to 4 years old children of entitled Francophone lone parents understand and speak French.
- 50% of the 0 to 4 years old children of couples where only one parent is an entitled Francophone understand French and approximately 30% speak French.

***Summary and additional analyses***

Table 5.5 presents some of the statistics presented in tables 1.5, 2.5a, 2.5b and 4.5, as well as new calculations on these statistics. It presents an overview of the data retained to establish the sociodemographic profile of Health Region 5.

**Table 1.5** Population of Health Region 5 and of its 0 to 4 years old children, by mother tongue

Mother tongue	Health Region 5			
	Population		Children aged 0 to 4	
	Number	% of total	Number	% of total
All mother tongues	32,370	100.0	1,770	100.0
English	13,325	41.2	760	42.9
English and other	110	0.3	15	0.8
French	16,920	52.3	890	50.3
English and French	1,640	5.1	120	6.8
English, French and other	30	0.1	0	0.0
All others	215	0.7	25	1.4

Note 1: The data used to prepare this table were provided by the Fiscal, Economic and Statistical Policy Division of the Department of Finance of the province of New Brunswick. The original data are from the 1996 Canada Census.





Note 1: The data used in the preparation of tables 2.5a and 2.5b were provided by the Statistics Canada Advisory Services for the Atlantic Region. The original data are from the 1996 Canada Census.

Note 2: Rounding – In order to ensure confidentiality, i.e. prevent the possibility of associating statistical data with any identifiable individual, Statistics Canada used a “random rounding” procedure. Under this method, all figures in the table are randomly rounded (either up or down) to a multiple of “5”, and in some cases “10”.

Note 3: Percentages calculated on figures subjected to the “random rounding” by Statistics Canada do not necessarily total 100%. Distortions in percentages are particularly noticeable for cells containing small numbers.

**Table 3** Low income cut-offs (LICOs) for 1998 (1992 base) in Canada, by population of the community of residence and family size

Family size	Population of community of residence				Rural
	500,000+	100,000-499,999	30,000-99,999	Less than 30,000	
1	\$ 17,571	\$ 15,070	\$ 14,965	\$ 13,924	\$ 12,142
2	\$ 21,962	\$ 18,837	\$ 18,706	\$ 17,405	\$ 15,178
3	\$ 27,315	\$ 23,429	\$ 23,264	\$ 21,647	\$ 18,877
4	\$ 33,063	\$ 28,359	\$ 28,162	\$ 26,205	\$ 22,849
5	\$ 36,958	\$ 31,701	\$ 31,481	\$ 29,293	\$ 25,542
6	\$ 40,855	\$ 35,043	\$ 34,798	\$ 32,379	\$ 28,235
7+	\$ 44,751	\$ 38,385	\$ 38,117	\$ 35,467	\$ 30,928

Note 1: This table comes from the Canadian Council on Social Development (CCSD) in Ottawa.

Note 2: The table uses the 1992 base. Income refers to total pre-tax, post-transfer household income.

Note 3: The data were prepared by the Centre for International Statistics at the CCSD using Statistics Canada's low income cut-offs, from *Low Income Cut-Offs*, Cat. No. 13-551-XPB, December 1999.

**Table 4.5** Knowledge of French of 0 to 4 years old children of entitled parents in Restigouche County

	Number of children 0-4	Understand French	Speak French
Children whose 2 parents are entitled francophones	970	955 (98.5)	935 (96.4)
Children with 1 entitled francophone parent and 1 anglophone parent	350	175 (50.0)	105 (30.0)
Children whose lone parent is an entitled francophone	250	220 (88.0)	220 (88.0)
Total	1,570	1,350 (86.0)	1,260 (80.3)

Note 1: The data presented in this table were prepared using data presented in the report *Là où le nombre le justifie... III (Commission nationale des parents francophones, 1999)*.

Note 2: This table presents the data for Restigouche County in Health Region 5. The parishes of Grimmer and Saint Quentin in Restigouche County are not part of Health Region 5. For cost considerations, it was not possible to obtain and exclude the data for these parishes. The data presented here for Health Region 5 are therefore an approximation, and they should be interpreted with caution.

**Table 5.5** Summary Table of Selected Data: Health Region 5

	Province N	Region 5 N	Percent Province	Percent Region 5
<b>Families with children</b>	<b>107,515</b>	<b>5,325</b>	<b>5</b>	<b>100</b>
Families with child (children) aged 0 to 4	28,580	1,175	4	22
<b>Family structure of families with child (children) aged 0 to 4</b>		<b>1,175</b>	<b>4</b>	<b>100</b>
Families with child (children) aged 0 to 4	<b>28,580</b>	<b>1,175</b>	<b>4</b>	<b>100</b>
Families with two parents present	23,415	880	4	75
Lone-parent families (female parent)	4,760	280	6	24
Lone-parent families (male parent)	405	15	4	1
<b>Total income of families with child (children) aged 0 to 4</b>				
Families with child (children) aged 0 to 4	<b>28,580</b>	<b>1,175</b>	<b>4</b>	<b>100</b>
Less than 15,000\$	<b>5,345</b>	<b>285</b>	<b>5</b>	<b>24</b>
Families with two parents present	1,575	65	4	6(23)
Lone-parent families (female parent)	3,625	210	6	18(74)
Lone-parent families (male parent)	145	10	7	1(4)
Less than 20,000\$	<b>6,695</b>	<b>375</b>	<b>6</b>	<b>32</b>
Families with two parents present	2,375	95	4	8(25)
Lone-parent families (female parent)	4,105	270	7	23(72)
Lone-parent families (male parent)	215	10	5	1(3)
Less than 25,000\$	<b>7,785</b>	<b>405</b>	<b>5</b>	<b>34</b>
Families with two parents present	3,175	125	4	11(31)
Lone-parent families (female parent)	4,345	270	6	23(67)
Lone-parent families (male parent)	265	10	15	1(2)
<b>Mother tongue of children aged 0 to 4</b>				
Children aged 0 to 4	<b>44,560</b>	<b>1,770</b>	<b>4</b>	<b>100</b>
English	30,870	760	2	43
French	11,725	890	8	50
English and French	1,170	120	10	7
<b>Children aged 0 to 4 of entitled francophone parents</b>				
Children aged 0 to 4	<b>44,560</b>	<b>1,770</b>	<b>4</b>	<b>100</b>
Children aged 0 to 4 of entitled parents	14,865	1,570	11	89
<b>Knowledge of French of children aged 0 to 4 of entitled parents</b>				
Children aged 0 to 4 of entitled parents	<b>14,865</b>	<b>1,570</b>	<b>11</b>	<b>100</b>
Understand French	12,285	1,350	11	86
Speak French	11,520	1,260	11	80
Children whose two parents are entitled	<b>8,550</b>	<b>970</b>	<b>11</b>	<b>62</b>
Understand French	8,470	955	11	61(99)
Speak French	8,395	935	11	59(96)
Children whose parent is an entitled lone-parent	<b>1,620</b>	<b>250</b>	<b>15</b>	<b>16</b>
Understand French	1,430	220	15	14(88)
Speak French	1,380	220	16	14(88)
Children with one entitled, one non-entitled parent	<b>4,695</b>	<b>350</b>	<b>7</b>	<b>22</b>
Understand French	2,385	175	7	11(50)
Speak French	1,745	105	6	7(30)

Note : Percentages within parentheses are those for the sub-category. For example, of the 24% of families with a total income of less than 15,000\$, 23% are families with two parents present, 74% are lone-parent families (female parent), and 4% are lone-parent families (male parent).



## **SOCIODEMOGRAPHIC PROFILE OF HEALTH REGION 6**

The profile presented in this section is that of Health Region 6. The first table provides a sociodemographic profile of the total population of the region and of its children of 0 to 4 years of age. It is followed by two tables, the first in whole numbers, the second in percentages, which provide a sociodemographic profile of Health Region 6 families with at least one child of 0 to 4 years of age. Statistical data on mother tongue and family income in relation to family structure are presented in these two tables. The third table provides information on low-income cut-offs (LICOs) in Canada. A fourth table provides a statistical portrait of the French language competencies of the 0 to 4 years old children of Health Region 6 parents entitled to French language education for their children by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*. Finally, a fifth table presents a summary of statistical information which can be readily consulted when literacy interventions for Health Region 6 are discussed.

### ***Total population of Health Region 6 and total population of 0 to 4 years old children***

Table 1.6 presents data pertaining to the total population of Health Region 6 along with data on the region's children of 0 to 4 years of age, in numbers and in percentages, by mother tongue.

This table is meant to help LNBI and its partners evaluate the needs in family literacy for Health Region 6. It also enables them to take the mother tongue into account in their analysis of family literacy needs and in their development of family literacy initiatives.

### **Main observations** (Table 1.6)

Table 1.6 data reflects the fact that approximately 15% of the population of Health Region 6 reports having English only as the mother tongue. Approximately 82% of the Health Region 6 population reports having French only as the mother tongue.

Overall, there are 4,690 children of 0 to 4 years of age in Health region 6. They represent 11% of the province's 0 to 4 year olds. Approximately 16% of these children have English as their only mother tongue. Approximately 80% have French as their sole mother tongue and approximately 3% have both English and French as mother tongues.

Table 1.6 data also reflects the fact that the percentage of 0 to 4 years old children who are reported to have English only as their mother tongue is more than 1 percentage point higher than the population reporting English only as the mother tongue. At the same time, the percentage of children 0 to 4 years reported to have French only as their mother tongue is more than 2 percentage points lower than the population reporting French only as the mother tongue. If the birth rates are similar in both language groups, these differences could reflect a tendency towards assimilation to English in a certain number of Health Region 6 families. We hypothesise that this would tend to occur primarily for the children of exogamous (English/French) couples.

***Families with at least one child of 0 to 4 years of age: Number and percentage, family structure, and family income***

Table 2.6a presents data on the number of families with 0 to 4 years old children in Health Region 6, by family type, mother tongue of the children, and family income.

Table 2.6b presents data relative to the percentage of families with 0 to 4 years old children in Health Region 6, by family type, mother tongue of the children, and family income.

The purpose of these two tables is to make it possible for LNBI and its partners to evaluate factors which could differentially affect family literacy needs in Health Region 6. Among the factors which can be considered are family type, mother tongue of the children, and family income.

The data presented in Table 2.6a is in whole numbers. Table 2.6b presents the same data in percentages. The statistics presented below were taken from Table 2.6b.

Main observations: Number and percentage

- 2,760 Health Region 6 families have at least one child of 0 to 4 years of age. This represents 20% of the families with children in Health Region 6.

Main observations: Family structure

- Both parents are present in approximately 78% of the families with one or more children of 0 to 4 years of age.
- Approximately 20% of the families with one or more children of 0 to 4 years of age are lone-parent (female) families.
- Approximately 2% of the families with one or more children of 0 to 4 years of age are lone-parent (male) families.

Main observations: Family income

Families with 0 to 4 years old children with two parents present

- Approximately 10% of families with 0 to 4 years old children with two parents present report a family income of less than 15,000\$.
- Approximately 4% of families with 0 to 4 years old children with two parents present report a family income between 15,000\$ and 20,000\$.

Male lone-parent families with 0 to 4 years old children

- Approximately 50% of male lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.
- No male lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

Female lone-parent families with 0 to 4 years old children

- 78% of female lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.
- Approximately 12% of female lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

Additional observations : Family income

The statistics presented below were calculated using data in Table 2.6b. It would be useful to study them in relationship to the information on the low income cut-offs presented in Table 3.

Families with 0 to 4 years old children with two parents present

- A total of slightly over 13% of families with 0 to 4 years old children with two parents present report a family income of less than 20,000\$.

Male lone-parent families with 0 to 4 years old children

- A total of approximately 50% of male lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

Female lone-parent families with 0 to 4 years old children

- A total of approximately 90% of female lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

***Low income cut-offs***

Table 3 presents data on low income cut-offs (interpreted by some as poverty lines) for Canada, by family size and size/type of community.

***Knowledge of French of 0 to 4 years old children of entitled parents***

Table 4.6 presents data relative to the French language competencies (understand French, speak French) of children of 0 to 4 years in families of Health Region 6 entitled to French

language education for their children, by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*.

Main observations (Table 4.6, but see Note 2 below this table)

- Over 99% of the 0 to 4 years old children of couples where both parents are entitled Francophones understand and speak French.
- Slightly over 97% of the 0 to 4 years old children of entitled Francophone lone parents understand and speak French.
- Approximately 64% of the 0 to 4 years old children of couples where only one parent is an entitled Francophone understand French and approximately 58% speak French.

#### ***Summary and additional analyses***

Table 5.6 presents some of the statistics presented in tables 1.6, 2.6a, 2.6b and 4.6, as well as new calculations on these statistics. It presents an overview of the data retained to establish the sociodemographic profile of Health Region 6.

**Table 1.6** Population of Health Region 6 and of its 0 to 4 years old children, by mother tongue

Mother tongue	Health Region 6			
	Population		Children aged 0 to 4	
	Number	% of total	Number	% of total
All mother tongues	87,600	100.0	4,690	100.0
English	12,935	14.8	740	15.8
English and other	70	0.1	5	0.1
French	71,375	81.5	3,730	79.5
English and French	2,470	2.8	160	3.4
English, French and other	75	0.1	5	0.1
All others	375	0.4	30	0.6

Note 1: The data used to prepare this table were provided by the Fiscal, Economic and Statistical Policy Division of the Department of Finance of the province of *New Brunswick*. The original data are from the 1996 Canada Census.







Note 1: The data used in the preparation of tables 2.6a and 2.6b were provided by the Statistics Canada Advisory Services for the Atlantic Region. The original data are from the 1996 Canada Census.

Note 2: Rounding – In order to ensure confidentiality, i.e. prevent the possibility of associating statistical data with any identifiable individual, Statistics Canada used a “random rounding” procedure. Under this method, all figures in the table are randomly rounded (either up or down) to a multiple of “5”, and in some cases “10”.

Note 3: Percentages calculated on figures subjected to the “random rounding” by Statistics Canada do not necessarily total 100%. Distortions in percentages are particularly noticeable for cells containing small numbers.

**Table 3** Low income cut-offs (LICOs) for 1998 (1992 base) in Canada, by population of the community of residence and family size

Family size	Population of community of residence				Rural
	500,000+	100,000-499,999	30,000-99,999	Less than 30,000	
1	\$ 17,571	\$ 15,070	\$ 14,965	\$ 13,924	\$ 12,142
2	\$ 21,962	\$ 18,837	\$ 18,706	\$ 17,405	\$ 15,178
3	\$ 27,315	\$ 23,429	\$ 23,264	\$ 21,647	\$ 18,877
4	\$ 33,063	\$ 28,359	\$ 28,162	\$ 26,205	\$ 22,849
5	\$ 36,958	\$ 31,701	\$ 31,481	\$ 29,293	\$ 25,542
6	\$ 40,855	\$ 35,043	\$ 34,798	\$ 32,379	\$ 28,235
7+	\$ 44,751	\$ 38,385	\$ 38,117	\$ 35,467	\$ 30,928

Note 1: This table comes from the Canadian Council on Social Development (CCSD) in Ottawa.

Note 2: The table uses the 1992 base. Income refers to total pre-tax, post-transfer household income.

Note 3: The data were prepared by the Centre for International Statistics at the CCSD using Statistics Canada's low income cut-offs, from *Low Income Cut-Offs*, Cat. No. 13-551-XPB, December 1999.

**Table 4.6** Knowledge of French of 0 to 4 years old children of entitled parents in Health Region 6

	Number of children 0-4	Understand French	Speak French
Children whose 2 parents are entitled francophones	2,850	2,825 (99.2)	2,820 (99.0)
Children with 1 entitled francophone parent and 1 anglophone parent	545	350 (64.3)	315 (57.8)
Children whose lone parent is an entitled francophone	545	540 (99.1)	530 (97.3)
Total	3,940	3,715 (94.3)	3,665 (93.1)

Note 1: The data presented in this table were prepared using data presented in the report *Là où le nombre le justifie... III (Commission nationale des parents francophones, 1999)*.

Note 2: This table presents the data for Gloucester County, which is the geographical equivalent of Health Region 6.

**Table 5.6** Summary Table of Selected Data: Health Region 6

	Province N	Region 6 N	Percent Province	Percent Region 6
<b>Families with children</b>	<b>107,515</b>	<b>13,590</b>	<b>13</b>	<b>100</b>
Families with child (children) aged 0 to 4	28,580	2,760	10	20
<b>Family structure of families with child (children) aged 0 to 4</b>				
Families with child (children) aged 0 to 4	<b>28,580</b>	<b>2,760</b>	<b>10</b>	<b>100</b>
Families with two parents present	23,415	2,155	1	78
Lone-parent families (female parent)	4,760	545	11	20
Lone-parent families (male parent)	405	60	15	2
<b>Total income of families with child (children) aged 0 to 4</b>				
Families with child (children) aged 0 to 4	<b>28,580</b>	<b>2,760</b>	<b>10</b>	<b>100</b>
Less than 15,000\$	<b>5,345</b>	<b>660</b>	<b>12</b>	<b>24</b>
Families with two parents present	1,575	205	13	7(31)
Lone-parent families (female parent)	3,625	425	12	15(64)
Lone-parent families (male parent)	145	30	21	1(5)
Less than 20,000\$	<b>6,695</b>	<b>810</b>	<b>12</b>	<b>29</b>
Families with two parents present	2,375	290	12	11(36)
Lone-parent families (female parent)	4,105	490	12	18(60)
Lone-parent families (male parent)	215	30	14	1(4)
Less than 25,000\$	<b>7,785</b>	<b>955</b>	<b>12</b>	<b>35</b>
Families with two parents present	3,175	390	12	14(41)
Lone-parent families (female parent)	4,345	515	12	19(54)
Lone-parent families (male parent)	265	50	19	2(5)
<b>Mother tongue of children aged 0 to 4</b>				
Children aged 0 to 4	<b>44,560</b>	<b>4,690</b>	<b>11</b>	<b>100</b>
English	30,870	740	2	16
French	11,725	3,730	32	80
English and French	1,170	160	14	3
<b>Children aged 0 to 4 of entitled francophone parents</b>				
Children aged 0 to 4	<b>44,560</b>	<b>4,690</b>	<b>11</b>	<b>100</b>
Children aged 0 to 4 of entitled parents	14,865	3,940	27	84
<b>Knowledge of French of children aged 0 to 4 of entitled parents</b>				
Children aged 0 to 4 of entitled parents	<b>14,865</b>	<b>3,940</b>	<b>27</b>	<b>100</b>
Understand French	12,285	3,715	30	94
Speak French	11,520	3,665	32	93
Children whose two parents are entitled	<b>8,550</b>	<b>2,850</b>	<b>33</b>	<b>72</b>
Understand French	8,470	2,825	33	72(99)
Speak French	8,395	2,820	34	72(99)
Children whose parent is an entitled lone-parent	<b>1,620</b>	<b>545</b>	<b>34</b>	<b>14</b>
Understand French	1,430	540	38	14(99)
Speak French	1,380	530	38	13(97)
Children with one entitled, one non-entitled parent	<b>4,695</b>	<b>545</b>	<b>12</b>	<b>14</b>
Understand French	2,385	350	15	9(64)
Speak French	1,745	315	18	8(58)

Note : Percentages within parentheses are those for the sub-category. For example, of the 24% of families with a total income of less than 15,000\$, 31% are families with two parents present, 64% are lone-parent families (female parent), and 5% are lone-parent families (male parent).

## **SOCIODEMOGRAPHIC PROFILE OF HEALTH REGION 7**

The profile presented in this section is that of Health Region 7. The first table provides a sociodemographic profile of the total population of the region and of its children of 0 to 4 years of age. It is followed by two tables, the first in whole numbers, the second in percentages, which provide a sociodemographic profile of Health Region 7 families with at least one child of 0 to 4 years of age. Statistical data on mother tongue and family income in relation to family structure are presented in these two tables. The third table provides information on low-income cut-offs (LICOs) in Canada. A fourth table provides a statistical portrait of the French language competencies of the 0 to 4 years old children of Health Region 7 parents entitled to French language education for their children by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*. Finally, a fifth table presents a summary of statistical information which can be readily consulted when literacy interventions for Health Region 7 are discussed.

### ***Total population of Health Region 7 and total population of 0 to 4 years old children***

Table 1.7 presents data pertaining to the total population of Health Region 7 along with data on the region's children of 0 to 4 years of age, in numbers and in percentages, by mother tongue.

This table is meant to help LNBI and its partners evaluate the needs in family literacy for Health Region 7. It also enables them to take the mother tongue into account in their analysis of family literacy needs and in their development of family literacy initiatives.

### **Main observations** (Table 1.7)

Table 1.7 data reflects the fact that approximately 68% of the population of Health Region 7 reports having English only as the mother tongue. Approximately 27% of the Health Region 7 population reports having French only as the mother tongue.

Overall, there are 2,830 children of 0 to 4 years of age in Health Region 7. They represent 6% of the province's 0 to 4 year olds. Approximately 71% of these children have English as their only mother tongue. Approximately 23% have French as their sole mother tongue and approximately 3% have both English and French as mother tongues.

Table 1.7 data also reflects the fact that the percentage of children 0 to 4 years of age who are reported to have English only as their mother tongue is 3 percentage points higher than the population reporting English only as the mother tongue. At the same time, the percentage of children 0 to 4 years reported to have French only as their mother tongue is more than 4 percentage points lower than the population reporting French only as the mother tongue. If the birth rates are similar in both language groups, these differences could reflect a tendency towards assimilation to English in a certain number of Health Region 7 families. We hypothesise that this would tend to occur primarily for the children of exogamous (English/French) couples.

***Families with at least one child of 0 to 4 years of age: Number and percentage, family structure, and family income***

Table 2.7a presents data on the number of families with 0 to 4 years old children in Health Region 7, by family type, mother tongue of the children, and family income.

Table 2.7b presents data relative to the percentage of families with 0 to 4 years old children in Health Region 7, by family type, mother tongue of the children, and family income.

The purpose of these two tables is to make it possible for LNBI and its partners to evaluate factors which could differentially affect family literacy needs in Health Region 7. Among the factors which can be considered are family type, mother tongue of the children, and family income.

The data presented in Table 2.7a is in whole numbers. Table 2.7b presents the same data in percentages. The statistics presented below were taken from Table 2.7b.

Main observations: Number and percentage

- 1,800 Health Region 7 families have at least one child of 0 to 4 years of age. This represents 26% of the families with children in Health Region 7.

Main observations: Family structure

- Both parents are present in approximately 76% of the families with one or more children of 0 to 4 years of age.
- Approximately 21% of the families with one or more children of 0 to 4 years of age are lone-parent (female) families.
- Approximately 3% of the families with one or more children of 0 to 4 years of age are lone-parent (male) families.

Main observations: Family income

Families with 0 to 4 years old children with two parents present

- Approximately 9% of families with 0 to 4 years old children with two parents present report a family income of less than 15,000\$.
- Approximately 3% of families with 0 to 4 years old children with two parents present report a family income between 15,000\$ and 20,000\$.

Male lone-parent families with 0 to 4 years old children

- 40% of male lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.
- No male lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

#### Female lone-parent families with 0 to 4 years old children

- Approximately 87% of female lone-parent families with 0 to 4 years old children report a family income of less than 15,000\$.
- Approximately 3% of female lone-parent families with 0 to 4 years old children report a family income between 15,000\$ and 20,000\$.

#### Additional observations: Family income

The statistics presented below were calculated using data in Table 2.7b. It would be useful to study them in relationship to the information on the low income cut-offs presented in Table 3.

#### Families with 0 to 4 years old children with two parents present

- A total of approximately 12% of families with 0 to 4 years old children with two parents present report a family income of less than 20,000\$.

#### Male lone-parent families with 0 to 4 years old children

- A total of approximately 40% of male lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

#### Female lone-parent families with 0 to 4 years old children

- A total of approximately 89% of female lone-parent families with 0 to 4 years old children report a family income of less than 20,000\$.

#### ***Low income cut-offs***

Table 3 presents data on low income cut-offs (interpreted by some as poverty lines) for Canada, by family size and size/type of community.



### ***Knowledge of French of 0 to 4 years old children of entitled parents***

Table 4.7 presents data relative to the French language competencies (understand French, speak French) of 0 to 4 years old children of families from Northumberland County (approximation of Health Region 7, see note below Table 4.7) entitled to French language education for their children, by virtue of Section 23 of the *Canadian Charter of Rights and Freedoms*.

Main observations (Table 4.7, but see Note 2 below this table)

- Over 98% of the 0 to 4 years old children of couples where both parents are entitled Francophone understand and speak French.
- Approximately 65% of the 0 to 4 years old children of entitled Francophone lone parents understand French and approximately 62% speak French.
- Approximately 45% of the 0 to 4 years old children of couples where only one parent is an entitled Francophone understand French and approximately 33% speak French.

### ***Summary and additional analyses***

Table 5.7 presents some of the statistics presented in tables 1.7, 2.7a, 2.7b and 4.7, as well as new calculations on these statistics. It presents an overview of the data retained to establish the sociodemographic profile of Health Region 7.

**Table 1.7** Population of Health Region 7 and of its 0 to 4 years old children, by mother tongue

Mother tongue	Health Region 7			
	Population		Children aged 0 to 4	
	Number	% of total	Number	% of total
All mother tongues	48,675	100.0	2,830	100.0
English	33,280	68.4	2,020	71.4
English and other	210	0.4	20	0.7
French	13,115	26.9	640	22.6
English and French	1,095	2.2	85	3.0
English, French and other	35	0.1	5	0.2
All others	740	1.5	55	1.9

Note 1: The data used to prepare this table were provided by the Fiscal, Economic and Statistical Policy Division of the Department of Finance of the province of New Brunswick. The original data are from the 1996 Canada Census.





Note 1: The data used in the preparation of tables 2.7a and 2.7b were provided by the Statistics Canada Advisory Services for the Atlantic Region. The original data are from the 1996 Canada Census.

Note 2: Rounding – In order to ensure confidentiality, i.e. prevent the possibility of associating statistical data with any identifiable individual, Statistics Canada used a “random rounding” procedure. Under this method, all figures in the table are randomly rounded (either up or down) to a multiple of “5”, and in some cases “10”.

Note 3: Percentages calculated on figures subjected to the “random rounding” by Statistics Canada do not necessarily total 100%. Distortions in percentages are particularly noticeable for cells containing small numbers.

**Table 3** Low income cut-offs (LICOs) for 1998 (1992 base) in Canada, by population of the community of residence and family size

Family size	Population of community of residence				Rural
	500,000+	100,000-499,999	30,000-99,999	Less than 30,000	
1	\$ 17,571	\$ 15,070	\$ 14,965	\$ 13,924	\$ 12,142
2	\$ 21,962	\$ 18,837	\$ 18,706	\$ 17,405	\$ 15,178
3	\$ 27,315	\$ 23,429	\$ 23,264	\$ 21,647	\$ 18,877
4	\$ 33,063	\$ 28,359	\$ 28,162	\$ 26,205	\$ 22,849
5	\$ 36,958	\$ 31,701	\$ 31,481	\$ 29,293	\$ 25,542
6	\$ 40,855	\$ 35,043	\$ 34,798	\$ 32,379	\$ 28,235
7+	\$ 44,751	\$ 38,385	\$ 38,117	\$ 35,467	\$ 30,928

Note 1: This table comes from the Canadian Council on Social Development (CCSD) in Ottawa.

Note 2: The table uses the 1992 base. Income refers to total pre-tax, post-transfer household income.

Note 3: The data were prepared by the Centre for International Statistics at the CCSD using Statistics Canada's low income cut-offs, from *Low Income Cut-Offs*, Cat. No. 13-551-XPB, December 1999.

**Table 4.7** Knowledge of French of 0 to 4 years old children of entitled parents in Northumberland County

	Number of children 0-4	Understand French	Speak French
Children whose 2 parents are entitled francophones	445	445 (100.0)	440 (98.9)
Children with 1 entitled francophone parent and 1 anglophone parent	290	130 (44.9)	95 (32.8)
Children whose lone parent is an entitled francophone	130	85 (65.4)	80 (61.6)
Total	865	660 (76.3)	615 (71.1)

Note 1: The data presented in this table were prepared using data presented in the report *Là où le nombre le justifie... III (Commission nationale des parents francophones, 1999)*.

Note 2: This table presents the data for Northumberland County in Health Region 7. The parishes of Ludlow and Blissfield in Northumberland County are not part of Health Region 7. For cost-related considerations, it was not possible to obtain and exclude the data for these parishes. The data presented here for Health Region 7 are therefore an approximation, and they should be interpreted with caution.

**Table 5.7** Summary Table of Selected Data: Health Region 7

	Province N	Region 7 N	Percent Province	Percent Region 7
<b>Families with children</b>	<b>107,515</b>	<b>7,320</b>	<b>7</b>	<b>100</b>
Families with child (children) aged 0 to 4	28,580	1,800	6	25
<b>Family structure of families with child (children) aged 0 to 4</b>				
Families with child (children) aged 0 to 4	<b>28,580</b>	<b>1,800</b>	<b>6</b>	<b>100</b>
Families with two parents present	23,415	1,370	6	76
Lone-parent families (female parent)	4,760	380	8	21
Lone-parent families (male parent)	405	50	12	3
<b>Total income of families with child (children) aged 0 to 4</b>				
Families with child (children) aged 0 to 4	<b>28,580</b>	<b>1,800</b>	<b>6</b>	<b>100</b>
Less than 15,000\$	<b>5,345</b>	<b>475</b>	<b>9</b>	<b>26</b>
Families with two parents present	1,575	125	8	7(26)
Lone-parent families (female parent)	3,625	330	9	18(69)
Lone-parent families (male parent)	145	20	14	1(4)
Less than 20,000\$	<b>6,695</b>	<b>530</b>	<b>8</b>	<b>29</b>
Families with two parents present	2,375	170	7	9(32)
Lone-parent families (female parent)	4,105	340	8	19(64)
Lone-parent families (male parent)	215	20	9	1(4)
Less than 25,000\$	<b>7,785</b>	<b>605</b>	<b>8</b>	<b>34</b>
Families with two parents present	3,175	225	7	13(37)
Lone-parent families (female parent)	4,345	360	8	20(60)
Lone-parent families (male parent)	265	20	8	1(3)
<b>Mother tongue of children aged 0 to 4</b>				
Children aged 0 to 4	<b>44,560</b>	<b>2,830</b>	<b>6</b>	<b>100</b>
English	30,870	2,020	7	71
French	11,725	640	5	23
English and French	1,170	85	7	3
<b>Children aged 0 to 4 of entitled francophone parents</b>				
Children aged 0 to 4	<b>44,560</b>	<b>2,830</b>	<b>6</b>	<b>100</b>
Children aged 0 to 4 of entitled parents	14,865	865	6	31
<b>Knowledge of French of children aged 0 to 4 of entitled parents</b>				
Children aged 0 to 4 of entitled parents	<b>14,865</b>	<b>865</b>	<b>6</b>	<b>100</b>
Understand French	12,285	660	5	76
Speak French	11,520	615	5	71
Children whose two parents are entitled	<b>8,550</b>	<b>445</b>	<b>5</b>	<b>51</b>
Understand French	8,470	445	5	51(100)
Speak French	8,395	440	5	51(99)
Children whose parent is an entitled lone-parent	<b>1,620</b>	<b>130</b>	<b>8</b>	<b>15</b>
Understand French	1,430	85	6	10(65)
Speak French	1,380	80	6	9(62)
Children with one entitled, one non-entitled parent	<b>4,695</b>	<b>290</b>	<b>6</b>	<b>34</b>
Understand French	2,385	130	5	15(45)
Speak French	1,745	95	5	11(33)

Note : Percentages within parentheses are those for the sub-category. For example, of the 26% of families with a total income of less than 15,000\$, 26% are families with two parents present, 69% are lone-parent families (female parent), and 4% are lone-parent families (male parent).



## SUMMARY AND CONCLUSION

### Introduction

As part of the project on family and community literacy among Anglophone and francophone preschool children conducted for and in collaboration with Literacy New Brunswick Inc. (LNBI), the *Centre de recherche et de développement en éducation* (CRDE) of the *Faculté des sciences de l'éducation* of the *Université de Moncton* prepared sociodemographic profiles for the province of New Brunswick and each of its seven health regions. In the main, these eight profiles pertain to characteristics of New Brunswick families with at least one child of 0 to 4 years of age and to characteristics of these children of 0 to 4 years of age. The profiles present data on the number of families with children of 0 to 4 years of age, the structure of these families, the total income of the families, the number of children of 0 to 4 years of age, the mother tongue of the children of 0 to 4 years of age, the number of children of entitled parents under Article 23 of the *Charter of Rights and Freedoms* and the knowledge of French of this group of children. Box 1 summarizes the highlights of these profiles.

In the present summary, we present information drawn from the detailed profiles presented in the previous section. It is important to mention that the data presented were taken from the 1996 Statistics Canada Census or calculated using 1996 census data. Readers who wish to obtain more information are invited to refer to the detailed profiles presented in the previous section.

## **1. Summary of Highlights Raised in Part II – Sociodemographic profiles of New Brunswick and its seven Health Regions: Population, families with at least one child of 0 to 4 years of age, and children 0 to 4 years of age**

### Number of Families with Children 0 to 4 Years of Age and Number of Children 0 to 4 Years of Age

- In 1996, there were 44,560 children 0 to 4 years of age in 28,580 families in New Brunswick.
- The percentage of children 0 to 4 years of age in the seven health regions in New Brunswick ranges from 26% in Health Region 2 (7 810 families) to 4% in Health Region 5 (1 175 families), meaning that the amount of resources required for family literacy activities varies significantly from one health region to another.

### Family Structure

- In New Brunswick, approximately 82% of families with children 0 to 4 years of age are headed by two parents, 17% are headed by one female parent, and 1% are headed by one male parent.

### Total Household Income (After Transfers)

- Of the 28,580 New Brunswick families with at least 1 child 0 to 4 years of age, approximately 19% (5,345 families) have a total household income (after transfers) of less than \$15,000, and 68% of these families are single-parent families headed by women.
- Approximately 23% of families (6,695) have a total income of less than \$20,000. Of these, 61% are single-parent families headed by women.
- These families' low income is highly likely to affect the extent to which they can take part in literacy activities in the community and to compromise their ability to devote a considerable amount of time and energy to literacy in the home.

### Children's Mother Tongue

- Of children 0 to 4 years of age, 69% have English as their mother tongue, 26% French, and 3% both English and French.
- The amount of resources required for family literacy in English and French varies significantly among the health regions, given the differing percentages of children 0 to 4 years of age in the health regions on the basis of mother tongue.

### Knowledge of French among 0- to 4-Year-Old Children of Parents with Charter Rights

- There are 14,865 children 0 to 4 years of age in New Brunswick with at least 1 parent entitled to enrol his or her children in French schools, under Section 23 of the *Canadian Charter of Rights and Freedoms*. This figure represents 33.4% of children 0 to 4 years of age in the province.
- Of children 0 to 4 years of age with only one such parent, i.e. Francophone, only 51% understand French, and what is more, only 37% speak it.
- Given that one of the parents has Charter rights and because parents often want their children to learn the language of both parents, many of these families will want to enrol their children in French schools. However, the academic success in French of these children 0 to 4 years of age would be better guaranteed by literacy in French in the home, at the very least with the parent with Charter rights.

**Number of families with children of 0 to 4 years of age**

In 1996, a total of 28,580 New Brunswick families had at least one child of 0 to 4 years of age. Within each of the province's health regions, the number of families with at least one child of 0 to 4 years of age varies from 7,810 (Health region 2) to 1,175 (Health region 5). Regions 1, 2, and 3 respectively have 6,415, 7,810, and 7,270 families with at least one child of 0 to 4 years of age; region 4, 5, 6, and 7 follow far behind with, respectively, 1,350, 1,175, 2,760 and 1,800 families with children in this age category. Within each of the province's health regions, the percentage of families with one or more children of 0 to 4 years of age varies between 31% (Health region 2) and 20% (Health region 6).

These figures clearly indicate that the quantity of resources needed for family literacy interventions are quite different from one health region to another in the province.

**Family structure**

In New Brunswick, both parents are present in approximately 82% of the families of children of 0 to 4 years of age, 17% of the families are single-parent (female parent) families and 1% are single-parent (male parent) families.

In the province's 7 health regions, the percentage of families where both parents are present ranges from 86% (Health region 3) to 75% (Health region 5). The percentage of single-parent (female parent) families ranges from 12% (Health region 3) to 24% (Health region 5), while the percentage of single-parent (male parent) families varies very little: it is approximately 1% in most health regions and reaches a maximum of 3% (Health region 7).

The percentage of lone-parent families (female parent) with at least one 0 to 4 year-old child is much higher than the percentage of lone-parent families (male parent) with at

least one 0 to 4 year-old child. When participation in family literacy activities is considered, it is quite obvious that the needs of lone-parent families can be quite different from those of families where both parents are present. LNBI and its partners need to take these differing needs into consideration when they organize and implement family literacy activities. As will be shown below, the lone-parent family's income can make the situation even more complex.

### **Family income (after transfers)**

Of the 28,580 New Brunswick families with one or more children of 0 to 4 years of age, approximately 19% (5,345 families) have a total family income (after transfers) of less than 15,000\$. Within this total family income category, 68% of the families are female lone-parent families. In the province as a whole, approximately 23% (6,695 families) of the families have a total family income of less than 20,000\$ and, of these, 61% are female lone-parent families.

In the province's seven health regions, the percentage of families with a total family income of less than \$15,000 ranges from 14% (Health regions 1 and 3) to 26% (Health region 7). Within this family income category, the percentage of lone-parent (female) families ranges from 54% (Health region 4) to 76% (Health region 2). The percentage of families with a total family income inferior to \$20,000 varies between 19% (Health regions 1 and 3) and 32% (Health region 5). Within this family income category, the percentage of lone-parent (female) families ranges from 50% (Health region 3) to 72% (Health region 5).

A significant proportion of New Brunswick families with children of 0 to 4 years of age have a total family income of less than \$15,000 or of less than \$20,000. In these income categories, the percentage of female lone-parent families is a great deal higher than the

percentage of male lone-parent families. The low total family income of a large number of New Brunswick families therefore constitutes an additional variable which LNBI and its partners in literacy need to take into consideration when preparing family literacy activities and programs. There is little doubt that the limited financial resources of these families will affect their capacity to participate in literacy activities in the community and could compromise their desire and ability to devote much energy to literacy activities within the home.

### **Number of children of 0 to 4 years of age**

At the time of the 1996 Canada Census, the total population of 0 to 4 year-olds in New Brunswick was 44,560. The percentage of the province's 0 to 4 year-old children in the seven health regions ranges from 26% (Health region 2) to 4% (Health region 5). Health regions 1, 2, and 3, with 23%, 26%, and 24%, respectively, account for nearly three quarters (73%) of the 0 to 4 year-olds in the province. Health regions 4, 5, 6 and 7, with 7%, 4%, 11% and 6%, respectively, account for slightly more than one quarter (28%) of the province's 0 to 4 year-olds.

These data reflect once again the fact that the quantity of resources needed for family literacy activities or initiatives will vary a great deal from one health region to another. LNBI and its partners in family literacy will no doubt want to ensure that all of the resources needed are present or will be present in each and every health region.

### **Mother tongue of the children**

The mother tongue of 69% of the 0 to 4 year-olds of New Brunswick is English, French is the mother tongue of 26% of the children and both French and English are the mother tongues of 3% of the province's 0 to 4 year-olds.

In the province's seven health regions, the percentage of 0 to 4 year-olds whose mother tongue is English ranges from 97% (Health region 2) to 7% (Health region 4). The percentage of 0 to 4 year-olds whose mother tongue is French ranges from 88% (Health region 4) to 1% (Health region 2). Finally, the percentage of children whose mother tongues are English and French ranges from 1% (Health regions 2 and 3) to 7% (Health region 5).

These data reflect the fact that resources for family literacy are needed in English and in French, i.e. in both of the province's official languages, in each of New Brunswick's health regions. However, the quantity of resources needed for family literacy activities and services in each language varies importantly from one health region to another. In addition to ensuring that the quantity of resources and services required for family literacy activities in English and in French are present in each health region, LNBI and its partners will want to ensure that the resources and services available in each language are of the best quality possible.

### **Knowledge of French of the 0 to 4 years old children of entitled parents in New Brunswick**

In 1996, 14,865 New Brunswick children 0 to 4 years of age had at least one entitled parent under Article 23 of the *Canadian Charter of Rights and Liberties*. This number represents 33.4% of the children of 0 to 4 years of age in the province. The percentage of children of 0 to 4 years of age of entitled parents in New Brunswick's seven health regions<sup>1</sup> varies from 6% (Health region 2) to 89% (Health region 5).

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<sup>1</sup> With respect to the numbers and percentages concerning the knowledge of French of the 0 to 4 years old children of entitled parents, only the figures for the province of New Brunswick as a whole and Health regions 1 and 6 are exact (see the notes beneath tables 4.1 and 4.6). The numbers and percentages concerning the knowledge of French of the 0 to 4 years old children of entitled parents in Health regions 2, 3, 4, 5, and 7 are approximations; consequently, they must be interpreted and used with caution. For a detailed explanation, please refer to the notes beneath tables 4.2, 4.3, 4.4, 4.5 et 4.7.

In New Brunswick, the percentage of 0 to 4 years old children of entitled parents who understand French represent 83% of the total 0 to 4 years old children of entitled parents, while the percentage of these children who speak French represent 78% of the total. In Health Region 1 and 6 and in the approximations of Health regions 2, 3, 4, 5 and 7, the percentage of 0 to 4 years old children (of entitled parents) who understand French varies between 99% in Madawaska County (approximation of Health region 4) and 36% in Charlotte, Saint John, and Kings counties combined (approximation of Health region 2). Also, the percentage of these children who speak French varies from 98% in Madawaska County (approximation of Health region 4) to 21% in Charlotte, Saint John, and Kings counties combined (approximation of Health region 2).

In the province as a whole, approximately 99% of the children of 0 to 4 years of age whose two parents are entitled parents understand French and approximately 98% speak French. Where the children of entitled lone-parents are concerned, 88% understand French and 85% speak French. However, where only one parent is entitled in families where both parents are present, only 51% of the children understand French and a significantly smaller percentage, 37%, speak French. The same tendency is present in all of the health regions or their approximations (where we had to refer to county data).

These data show that an important proportion of New Brunswick families do not transmit the French language or transmit little of the French language to their 0 to 4 years of age children. This trend is particularly clear where only one parent in the couple is an entitled parent. It is probable that many of these couples do not undertake family literacy activities in the language of the entitled parent, i.e. in French. However, since they have the right to do so, and since many families want their child to master both official languages very well, many of these families will want to send their child to a school where French is the language of instruction (except for courses in English as a second language). The school

success in French of these 0 to 4 year olds would be better assured if family literacy activities in the home were in French, at least with the entitled parent. It is therefore important that LNBI and its partners take into consideration the particular needs of couples and families where only one of the two parents is entitled to French language schooling for their children under Article 23 of the *Canadian Charter of Rights and Freedoms*.



**APPENDIX A****NEW BRUNSWICK'S SEVEN HEALTH REGIONS****Region 1**

- i) Kent County
- ii) Albert County
- iii) Westmorland County

**Region 2**

- i) Charlotte County
- ii) Saint John County
- iii) Kings County
- iv) Petersville, Hampstead, Wickham, Johnston, and Brunswick parishes from Queen's County

**Region 3**

- i) Queens County, without the parishes of Petersville, Hampstead, Wickham, Johnston, and Brunswick
- ii) Victoria County, without the parishes of Drummond and Grand Falls
- iii) Carleton County
- iv) York County
- v) Sunbury County
- vi) Parishes of Ludlow and Blissfield from Northumberland County

**Region 4**

- i) Parishes of Grand Falls and Drummond from Victoria County

- ii) Madawaska County
- iii) Parishes of Grimmer and Saint-Quentin from Restigouche County

**Region 5**

Restigouche County, without the parishes of Grimmer and Saint-Quentin

**Region 6**

Gloucester County

**Region 7**

Northumberland County, without the parishes of Ludlow and Blissfield