The Challenge of Change
The Québec English, Youth and Elderly
by Health Region and CSSS Territory, 1996 - 2011

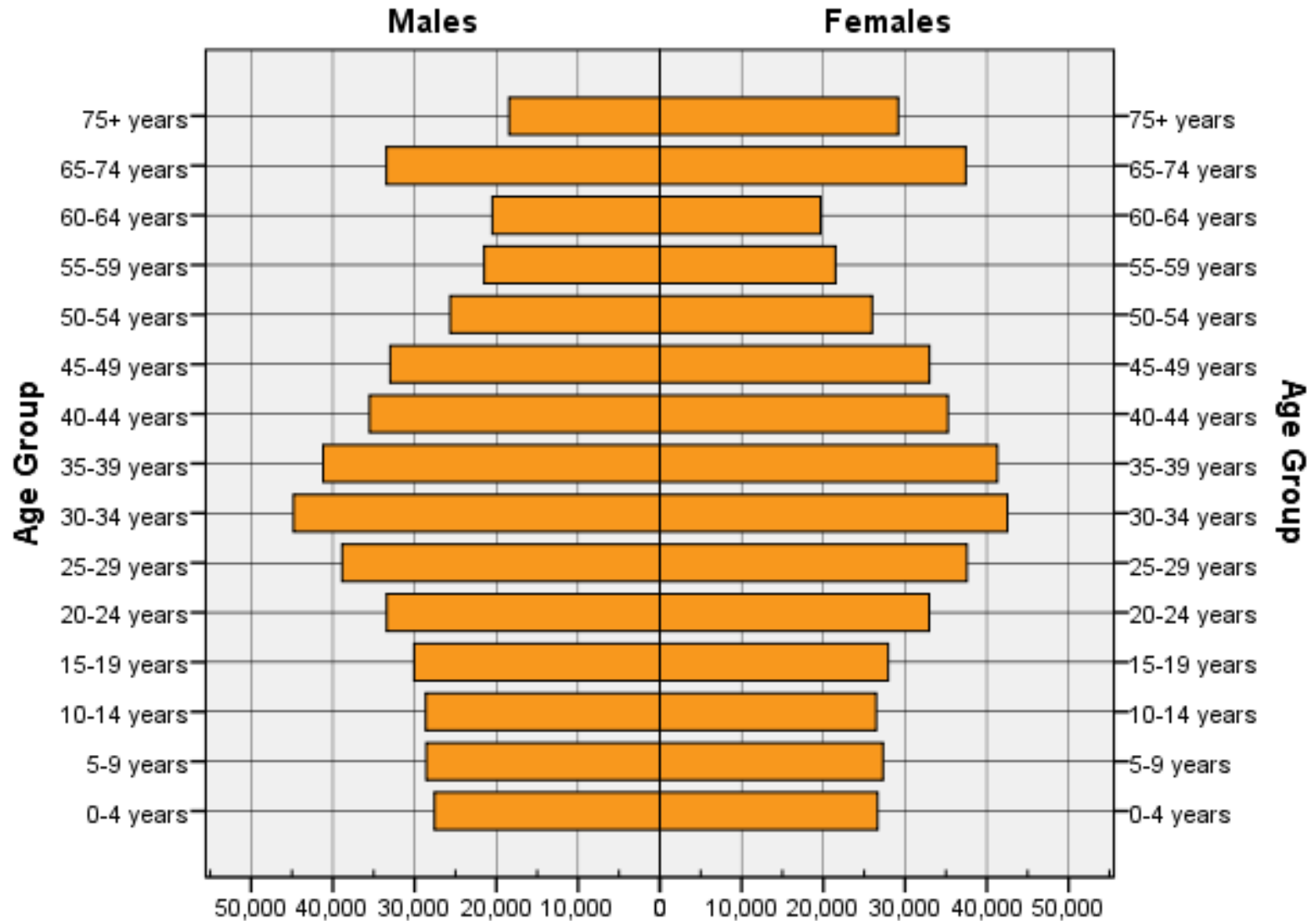CHSSN Exchange Session

Québec, Feb. 12-13, 2013

by Jan Warnke, CHSSN Data Model Manager

Objectives

- Describe the principal health access indicators of the English language minority population in Québec in 2011.
  - The size, the age structure and the geographic distribution
- Describe the changes in the English language minority population in Québec between 1996-2011
  - Size and change in size by age
    - 15 age groups
    - The youth 0-19 years of age
    - The elderly 65 years and over and 85 years and over
  - Comparison with the French majority population
  - Comparison by health region and CSSS territory (provincial program and local access context)
  - Data sources (CHSSN Data Model)
    - Statistics Canada, 2011 (100% sample)*
    - Statistics Canada, 1996 (20% sample)

* Caution must be exercised in the interpretation of comparative data (1996 and 2011) due to two different sampling and data collection methodologies used by Statistics Canada.

Québec, 1996

Males   **Females**

Age Group

Age Group
75+ years
65-74 years
60-64 years
55-59 years
50-54 years
45-49 years
40-44 years
35-39 years
30-34 years
25-29 years
20-24 years
15-19 years
10-14 years
5-9 years
0-4 years

50,000 40,000 30,000 20,000 10,000 0 10,000 20,000 30,000 40,000 50,000

FOLS-English Population, N = 925,830

Québec, 2011

Males **Females**

Age Group

	Males side	Females side
75+ years		
65-74 years		
60-64 years		
55-59 years		
50-54 years		
45-49 years		
40-44 years		
35-39 years		
30-34 years		
25-29 years		
20-24 years		
15-19 years		
10-14 years		
5-9 years		
0-4 years		

50,000 40,000 30,000 20,000 10,000 0 10,000 20,000 30,000 40,000 50,000

FOLS-English Population, N = 1,058,250

Change in Size of the FOLS-English Population by Age Group, Québec, 1996-2011

Age Group	Value
75+ years	1.37
65-74 years	1.10
60-64 years	1.49
55-59 years	1.53
50-54 years	1.51
45-49 years	1.32
40-44 years	1.20
35-39 years	0.97
30-34 years	0.90
25-29 years	0.99
20-24 years	1.14
15-19 years	1.20
10-14 years	1.06
5-9 years	0.94
0-4 years	0.92
Total	1.14
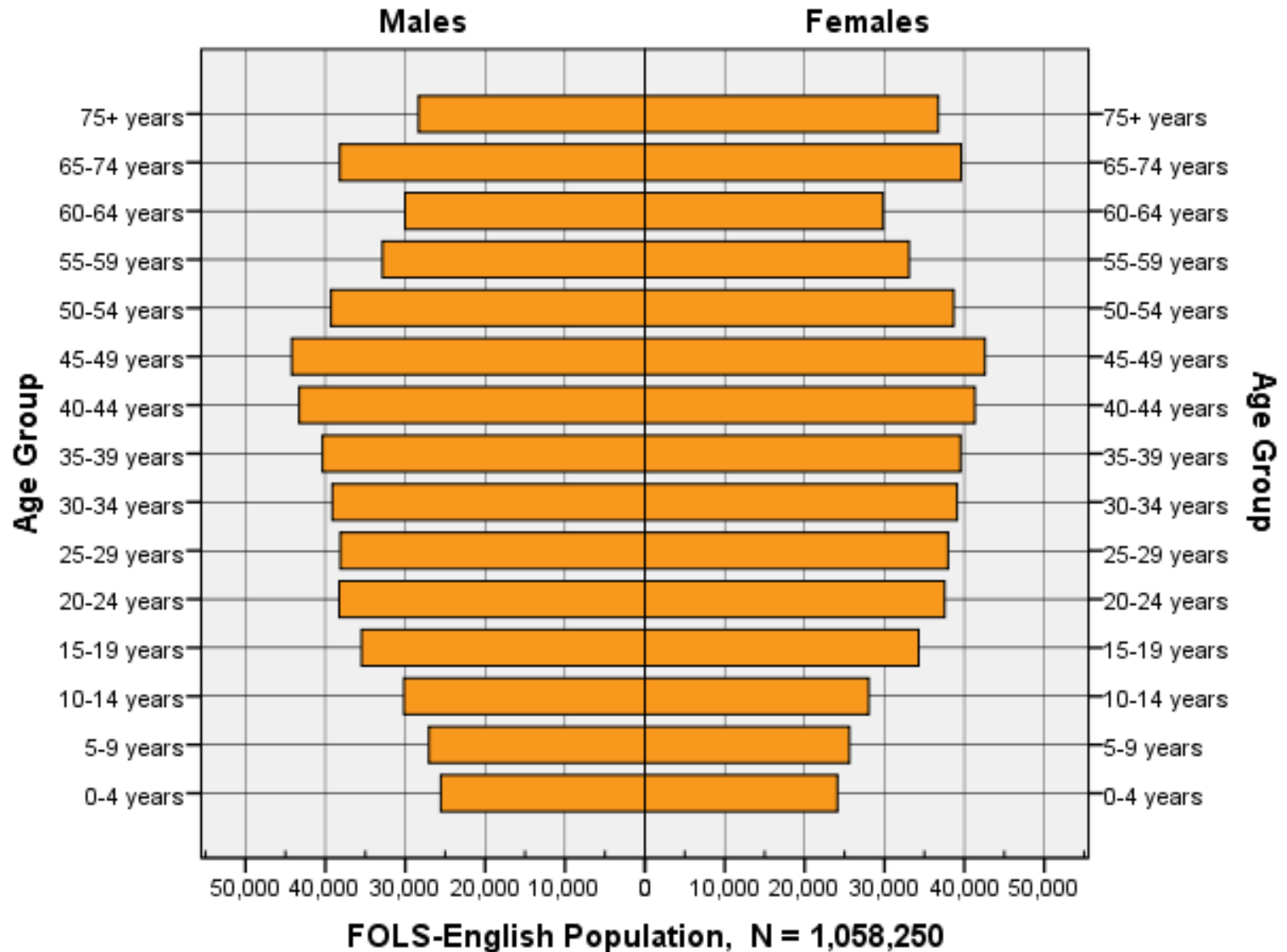
Source: Statistics Canada, 1996 Census, 20% sample; Census 2011, 100% sample; CHSSN Data Model
Language concept: First Official Language Spoken (FOLS) with multiple responses distributed equally.
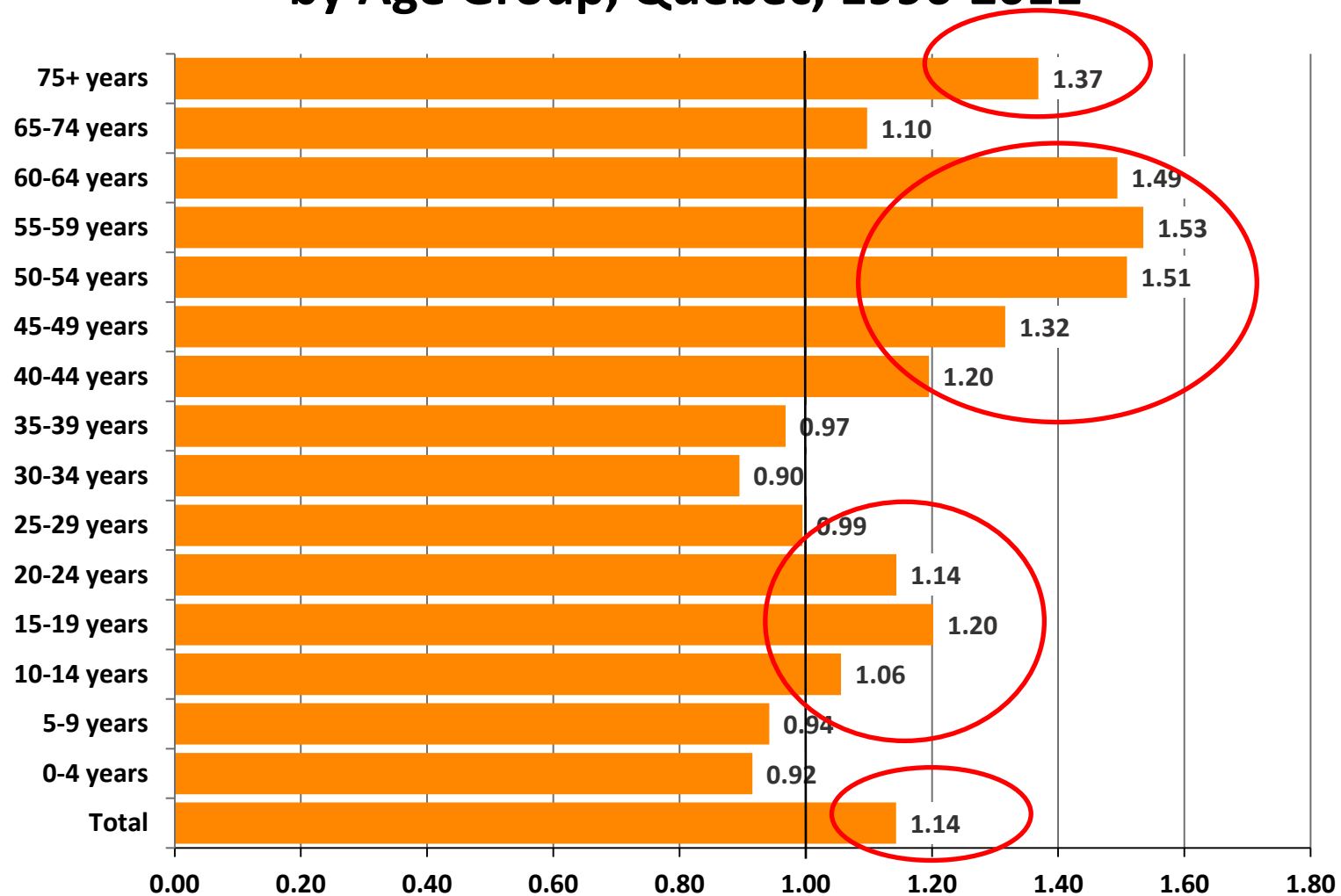Author: Jan Warnke, CHSSN Data Model Manager. January 2013.

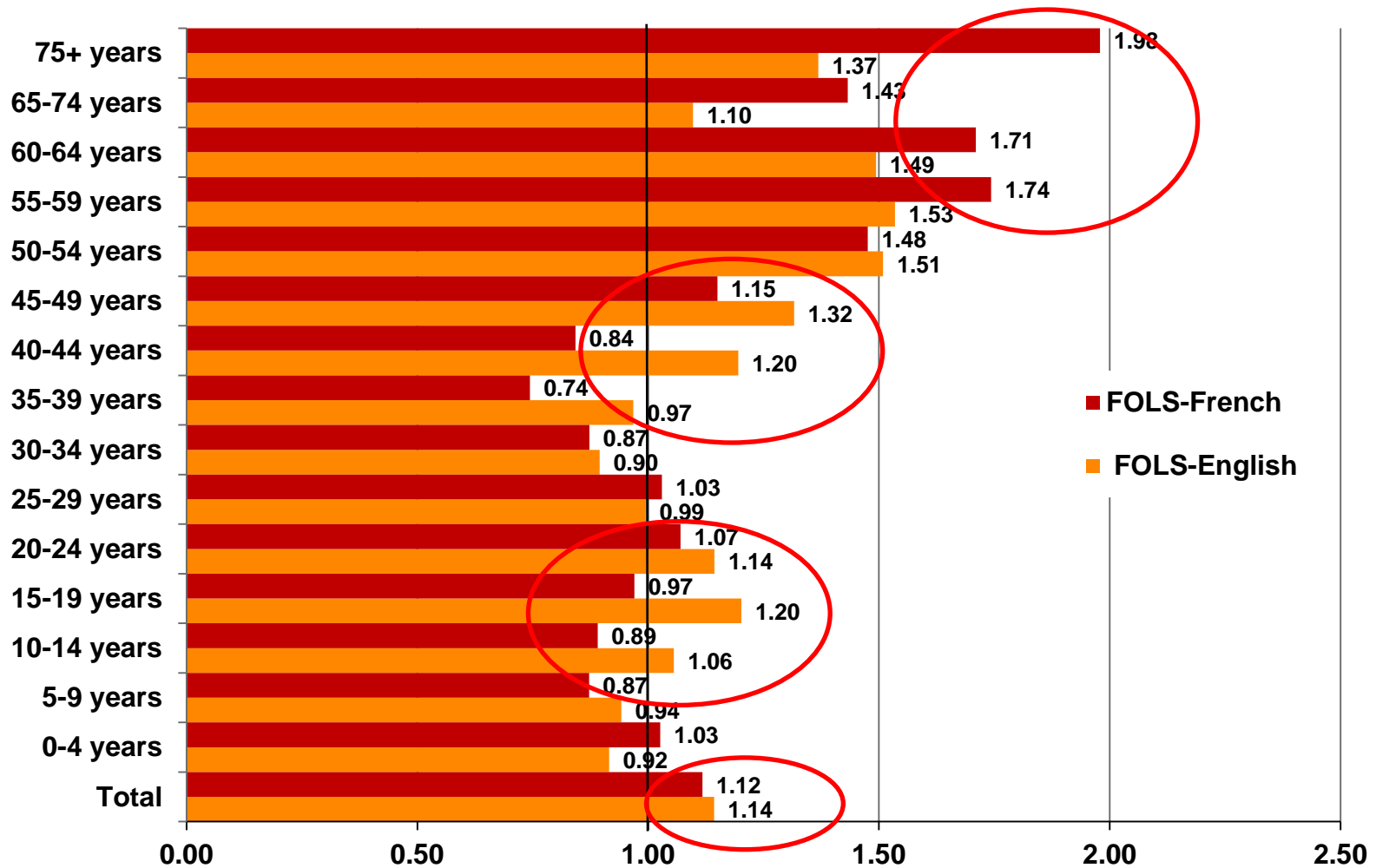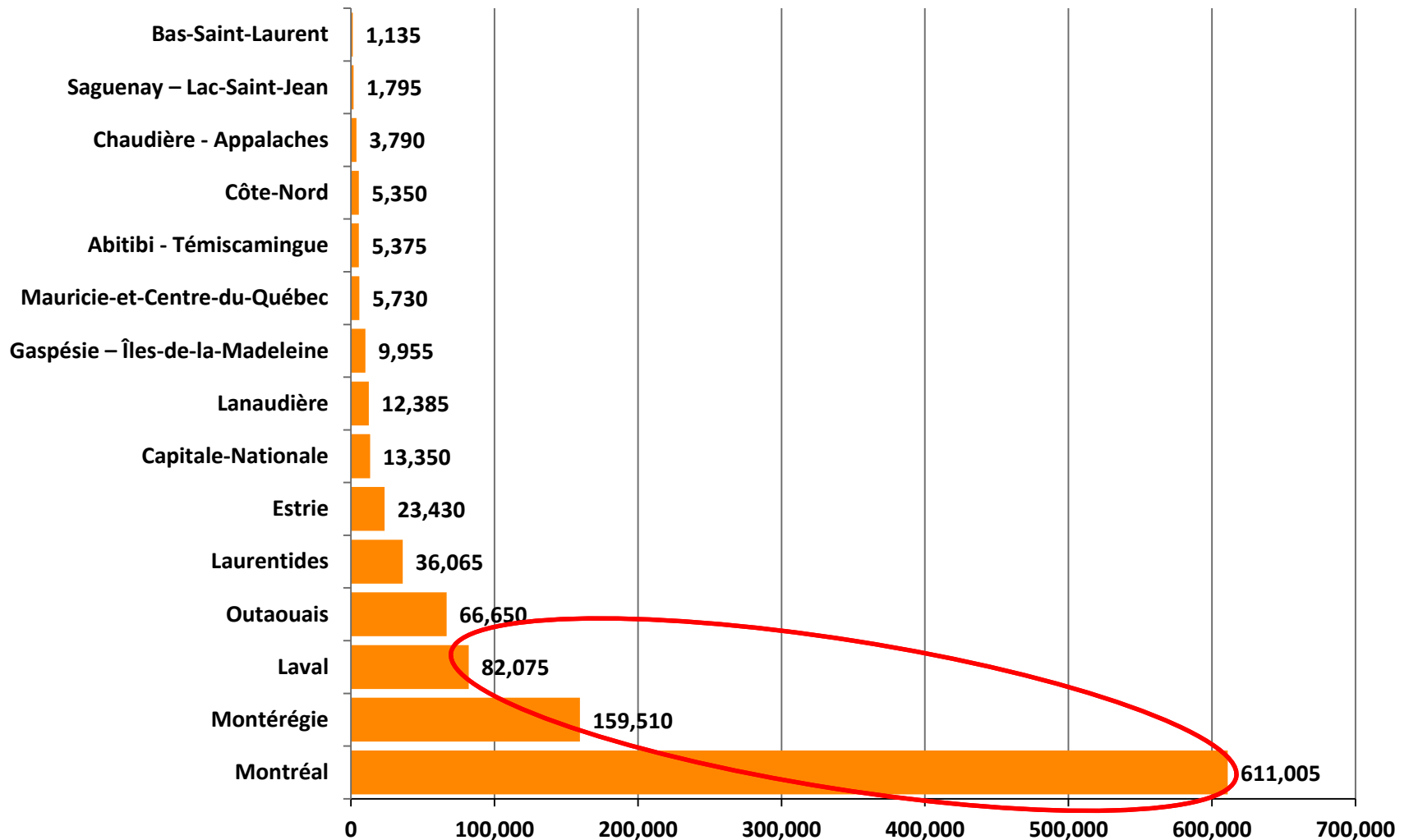# Change in Size of the FOLS-English and FOLS-French Population by Age Group , Québec , 1996-2011

Age Group	FOLS-French	FOLS-English
75+ years	1.98	1.37
65-74 years	1.43	1.10
60-64 years	1.71	1.49
55-59 years	1.74	1.53
50-54 years	1.48	1.51
45-49 years	1.15	1.32
40-44 years	0.84	1.20
35-39 years	0.74	0.97
30-34 years	0.87	0.90
25-29 years	1.03	0.99
20-24 years	1.07	1.14
15-19 years	0.97	1.20
10-14 years	0.89	1.06
5-9 years	0.87	0.94
0-4 years	1.03	0.92
Total	1.12	1.14

Source: Statistics Canada, 1996 Census (20% sample) and 2011 Census (100% sample); CHSSN Data Model
Language concept: First Official Language Spoken (FOLS) with multiple responses distributed equally.
Author: Jan Warnke, CHSSN Data Model Manager. January 2013.

Size of the FOLS-English Population
by Health Region, Québec 2011

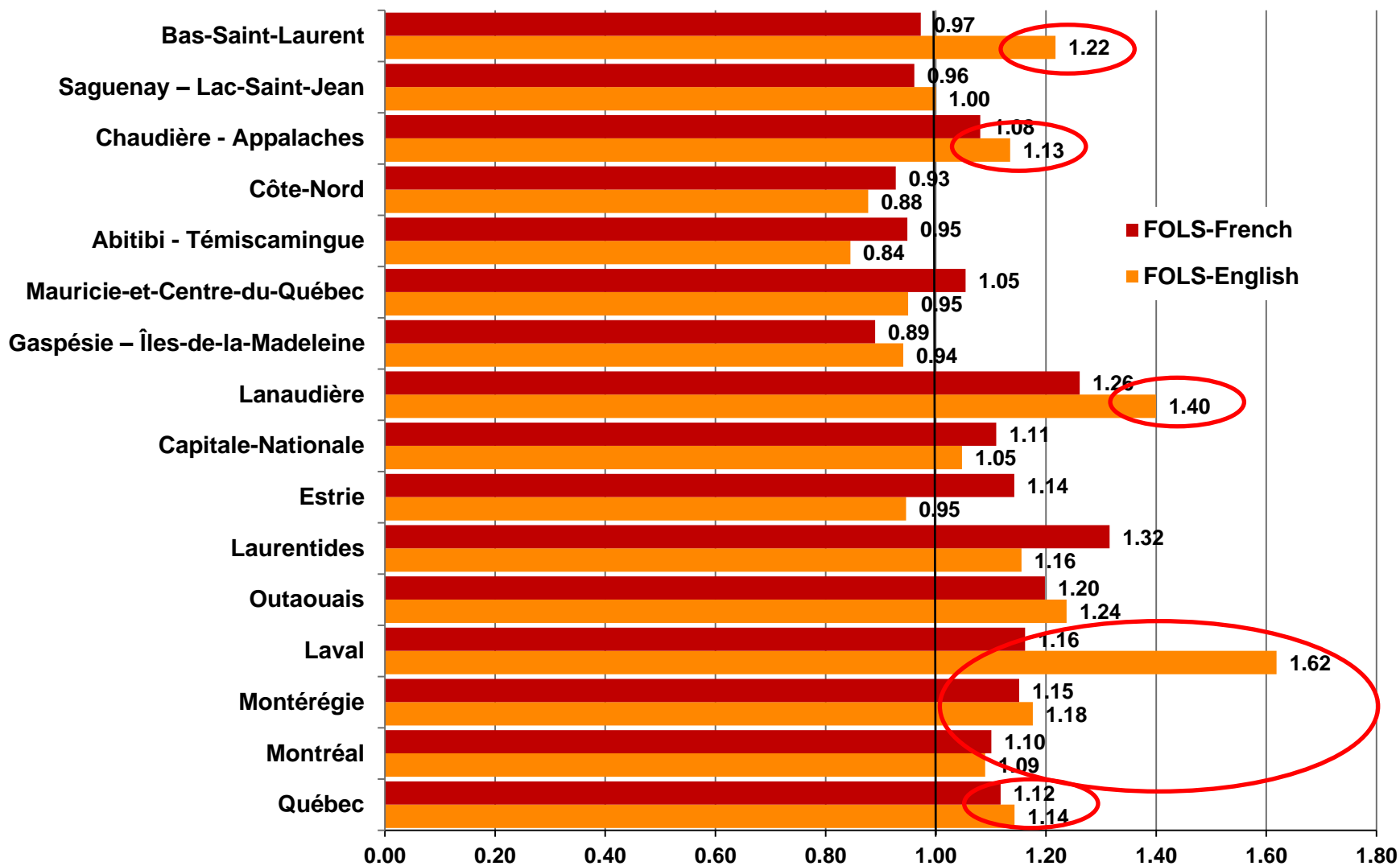| Health Region	Population
Bas-Saint-Laurent	1,135
Saguenay – Lac-Saint-Jean	1,795
Chaudière - Appalaches	3,790
Côte-Nord	5,350
Abitibi - Témiscamingue	5,375
Mauricie-et-Centre-du-Québec	5,730
Gaspésie – Îles-de-la-Madeleine	9,955
Lanaudière	12,385
Capitale-Nationale	13,350
Estrie	23,430
Laurentides	36,065
Outaouais	66,650
Laval	82,075
Montérégie	159,510
Montréal	611,005

Source: Statistics Canada, 2011 Census, 100% sample; CHSSN Data Model
Language concept: First Official Language Spoken (FOLS) with multiple responses distributed equally.
Author: Jan Warnke, CHSSN Data Model Manager. January 2013.

Change in Size of the FOLS-English and FOLS-French Population by Health Region, Québec 1996-2011

Health Region	FOLS-French	FOLS-English
Bas-Saint-Laurent	0.97	1.22
Saguenay – Lac-Saint-Jean	0.96	1.00
Chaudière - Appalaches	1.08	1.13
Côte-Nord	0.93	0.88
Abitibi - Témiscamingue	0.95	0.84
Mauricie-et-Centre-du-Québec	1.05	0.95
Gaspésie – Îles-de-la-Madeleine	0.89	0.94
Lanaudière	1.26	1.40
Capitale-Nationale	1.11	1.05
Estrie	1.14	0.95
Laurentides	1.32	1.16
Outaouais	1.20	1.24
Laval	1.16	1.62
Montérégie	1.15	1.18
Montréal	1.10	1.09
Québec	1.12	1.14

Source: Statistics Canada, 1996 Census, 20% sample; 2011 Census, 100% sample; CHSSN Data Model
Language concept: First Official Language Spoken (FOLS) with multiple responses distributed equally.
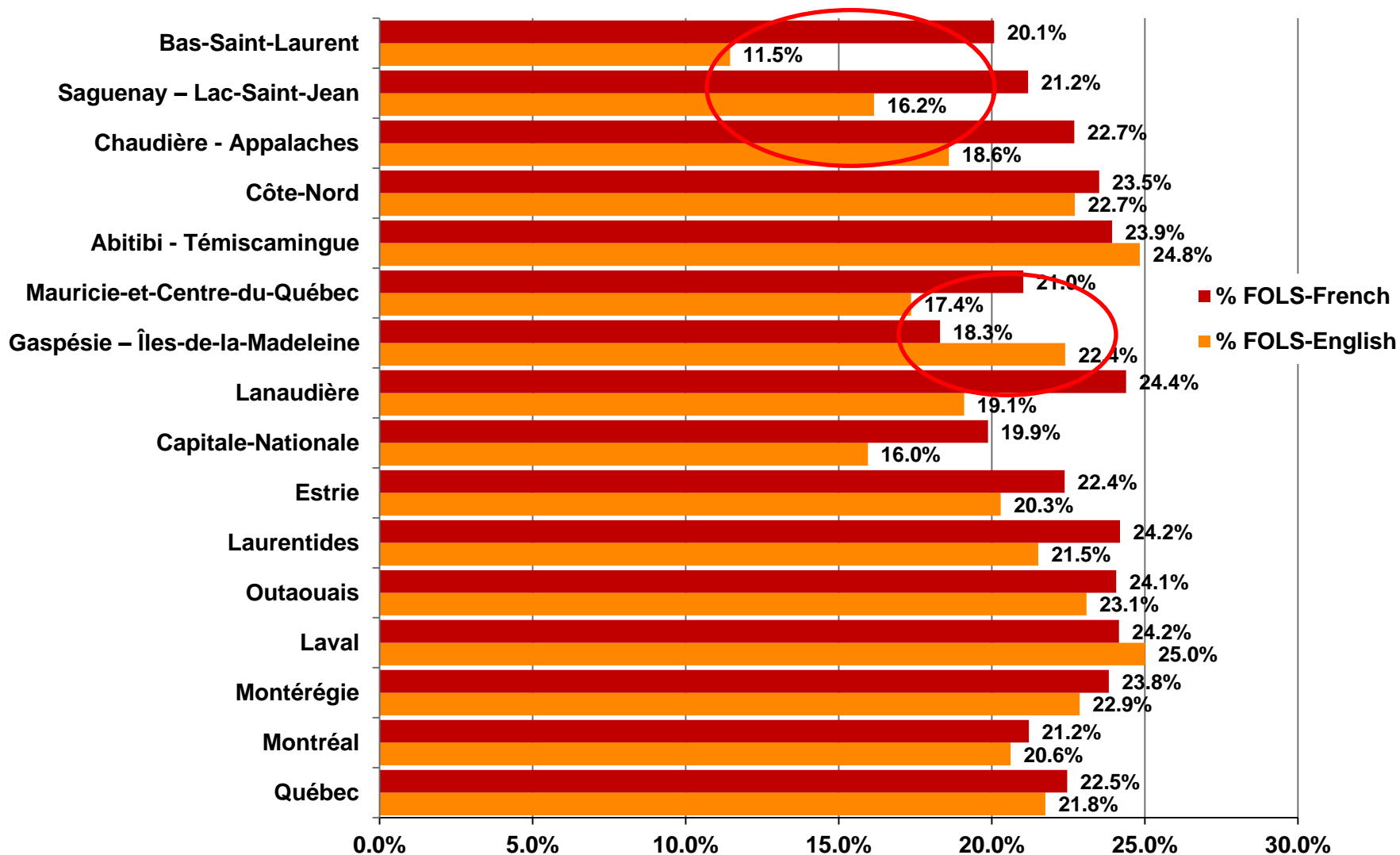Author: Jan Warnke, CHSSN Data Model Manager. January 2013.

Proportion of the FOLS-English and FOLS-French Population
0-19 years of age by Health Region, Québec 2011

Health Region	% FOLS-French	% FOLS-English
Bas-Saint-Laurent	20.1%	11.5%
Saguenay – Lac-Saint-Jean	21.2%	16.2%
Chaudière - Appalaches	22.7%	18.6%
Côte-Nord	23.5%	22.7%
Abitibi - Témiscamingue	23.9%	24.8%
Mauricie-et-Centre-du-Québec	21.0%	17.4%
Gaspésie – Îles-de-la-Madeleine	18.3%	22.4%
Lanaudière	24.4%	19.1%
Capitale-Nationale	19.9%	16.0%
Estrie	22.4%	20.3%
Laurentides	24.2%	21.5%
Outaouais	24.1%	23.1%
Laval	24.2%	25.0%
Montérégie	23.8%	22.9%
Montréal	21.2%	20.6%
Québec	22.5%	21.8%

Change in Size of the 0-19 years FOLS-English and FOLS-French Population by Health Region, Québec 1996-2011

Health Region	FOLS-French	FOLS-English
Bas-Saint-Laurent	0.71	0.74
Saguenay – Lac-Saint-Jean	0.68	0.70
Chaudière - Appalaches	0.85	0.87
Côte-Nord	0.75	0.71
Abitibi - Témiscamingue	0.74	0.78
Mauricie-et-Centre-du-Québec	0.82	0.73
Gaspésie – Îles-de-la-Madeleine	0.62	0.80
Lanaudière	1.03	1.36
Capitale-Nationale	0.92	0.89
Estrie	0.92	0.82
Laurentides	1.10	1.00
Outaouais	1.03	1.05
Laval	1.06	1.57
Montérégie	0.97	1.00
Montréal	1.07	0.98
Québec	0.94	1.03

Source: Statistics Canada, 1996 Census, 20% sample; 2011 Census, 100% sample; CHSSN Data Model
Language concept: First Official Language Spoken (FOLS) with multiple responses distributed equally.
Author: Jan Warnke, CHSSN Data Model Manager. January 2013.

Proportion of the FOLS-English and FOLS-French Population
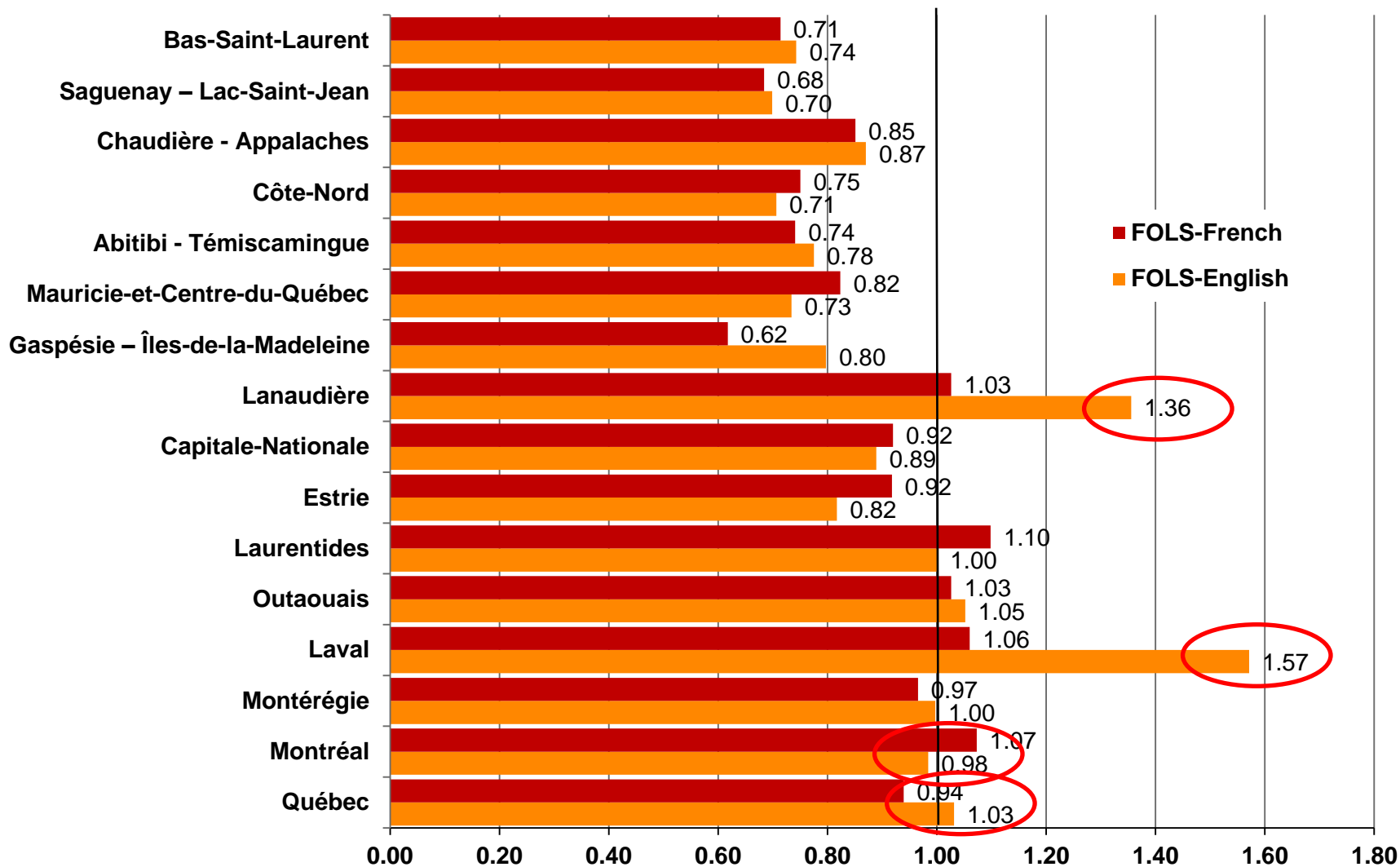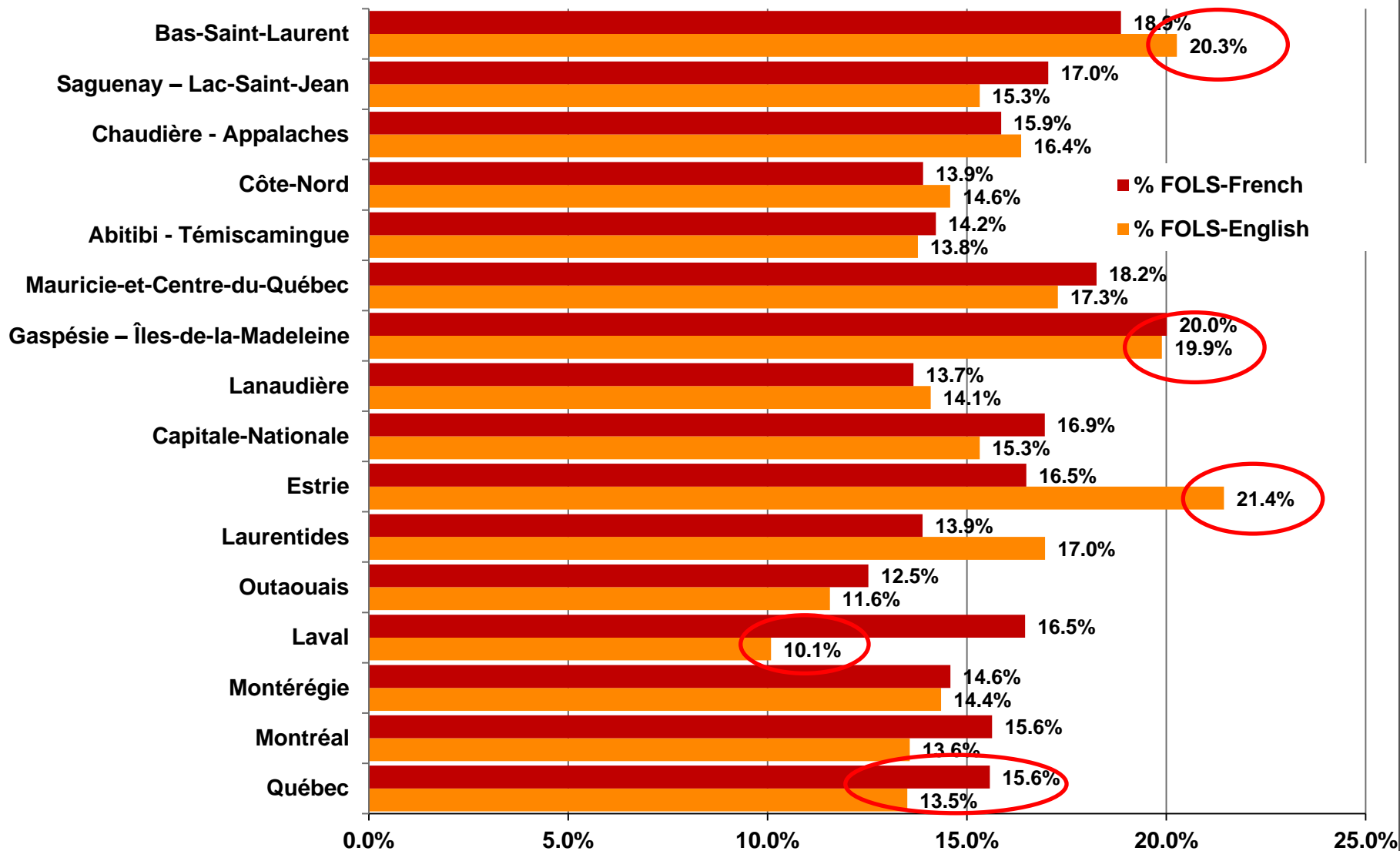## 65+ years of age by Health Region, Québec 2011

Health Region	% FOLS-French	% FOLS-English
Bas-Saint-Laurent	18.9%	20.3%
Saguenay – Lac-Saint-Jean	17.0%	15.3%
Chaudière - Appalaches	15.9%	16.4%
Côte-Nord	13.9%	14.6%
Abitibi - Témiscamingue	14.2%	13.8%
Mauricie-et-Centre-du-Québec	18.2%	17.3%
Gaspésie – Îles-de-la-Madeleine	20.0%	19.9%
Lanaudière	13.7%	14.1%
Capitale-Nationale	16.9%	15.3%
Estrie	16.5%	21.4%
Laurentides	13.9%	17.0%
Outaouais	12.5%	11.6%
Laval	16.5%	10.1%
Montérégie	14.6%	14.4%
Montréal	15.6%	13.6%
Québec	15.6%	13.5%

Legend:
- **% FOLS-French**
- **% FOLS-English**

X-axis: 0.0% 5.0% 10.0% 15.0% 20.0% 25.0%

Change in Size of the FOLS-English and FOLS-French Population 65+ years of age by Health Region, Québec 1996-2011

Health Region	FOLS-French	FOLS-English
Bas-Saint-Laurent	1.45	3.29
Saguenay – Lac-Saint-Jean	1.71	1.41
Chaudière - Appalaches	1.59	1.70
Côte-Nord	1.85	1.43
Abitibi - Témiscamingue	1.51	0.81
Mauricie-et-Centre-du-Québec	1.56	0.96
Gaspésie – Îles-de-la-Madeleine	1.46	1.17
Lanaudière	2.06	1.24
Capitale-Nationale	1.62	1.03
Estrie	1.71	1.02
Laurentides	2.09	1.22
Outaouais	1.83	1.46
Laval	1.80	1.78
Montérégie	1.83	1.44
Montréal	1.27	1.11
Québec	1.62	1.21

Source: Statistics Canada, 1996 Census, 20% sample; 2011 Census, 100% sample; CHSSN Data Model
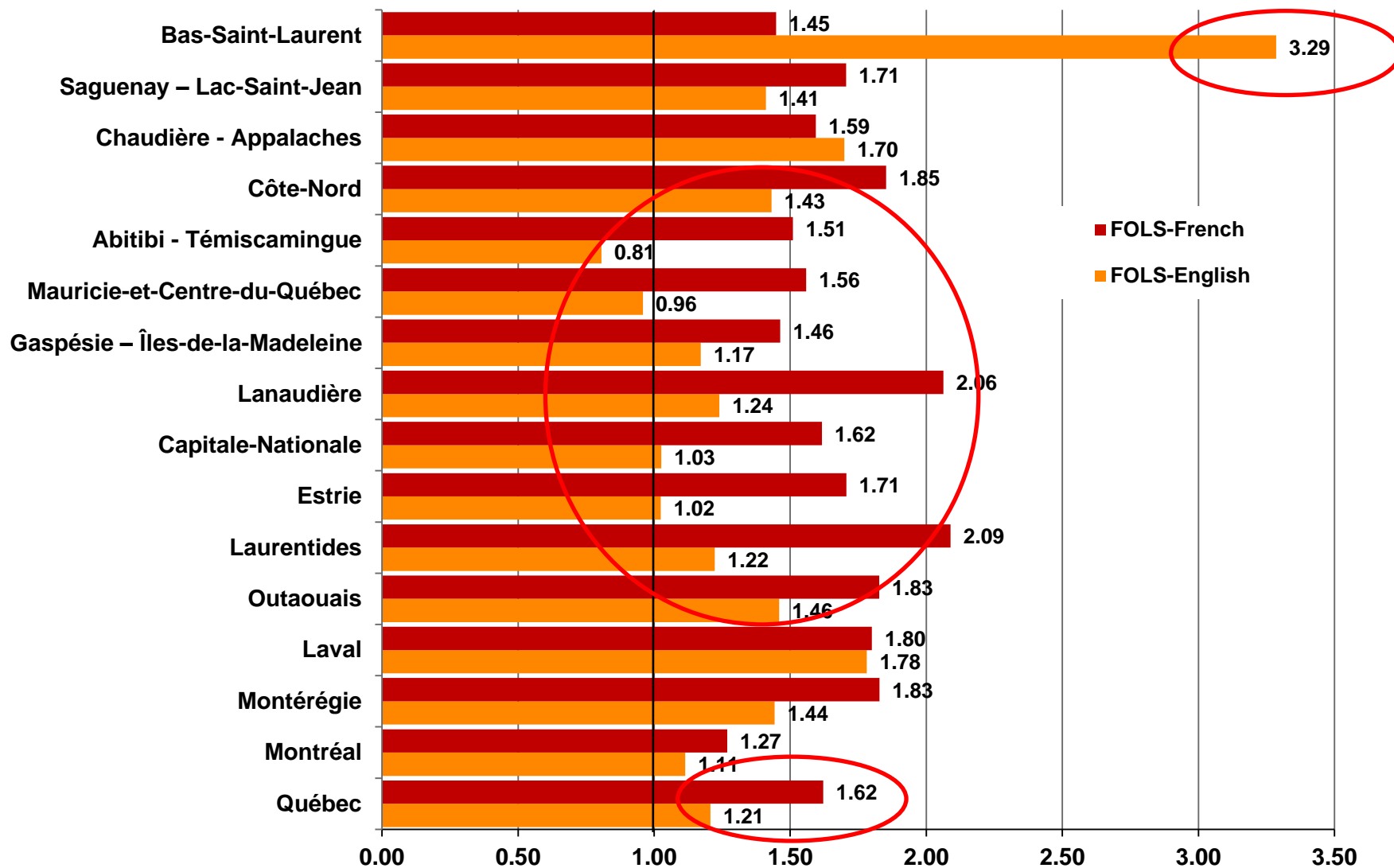Language concept: First Official Language Spoken (FOLS) with multiple responses distributed equally.
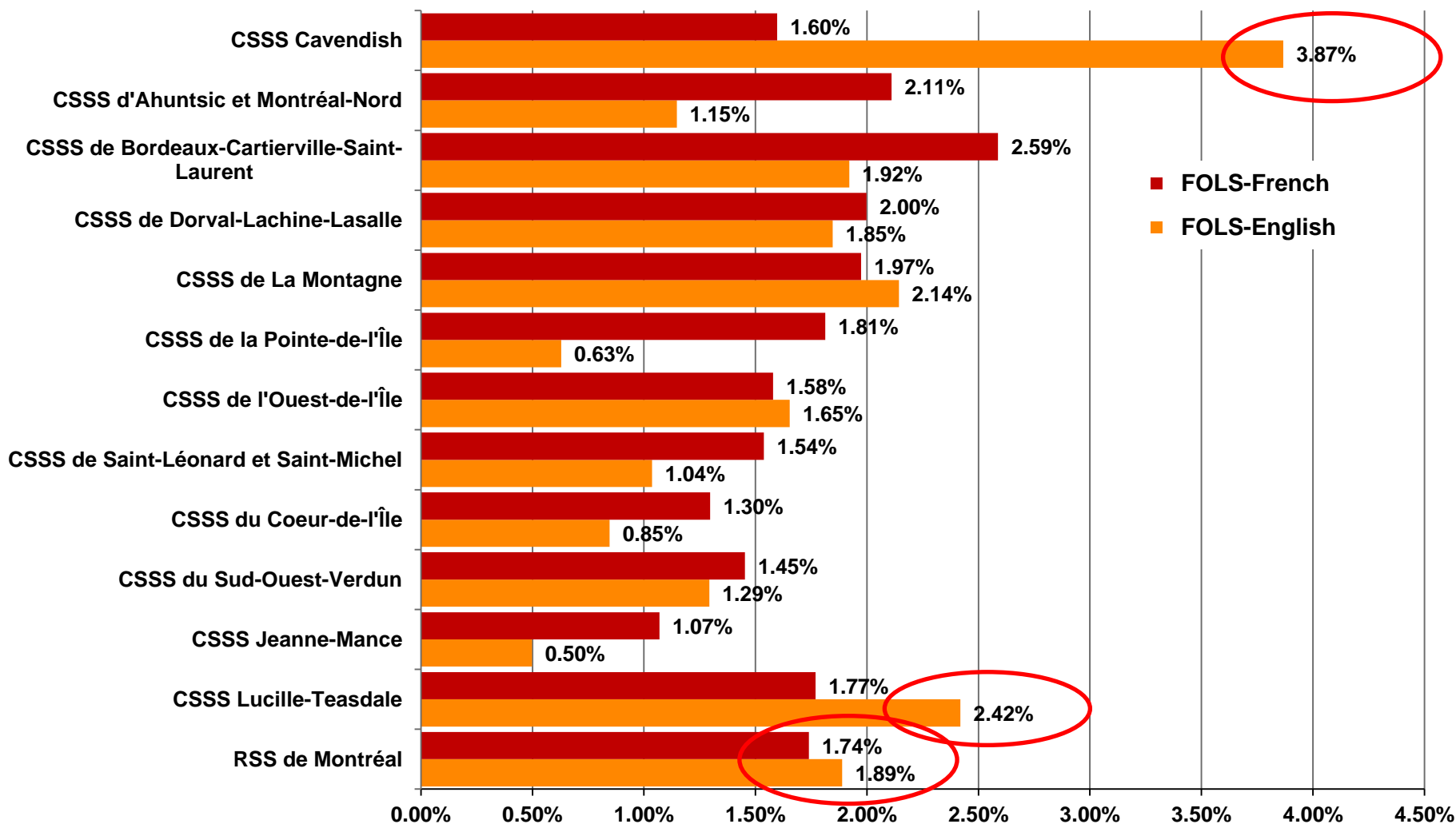Author: Jan Warnke, CHSSN Data Model Manager. January 2013.

Proportion of the FOLS-English and FOLS-French Populations 85+ years of age in the Montréal Health Region, Québec 2011

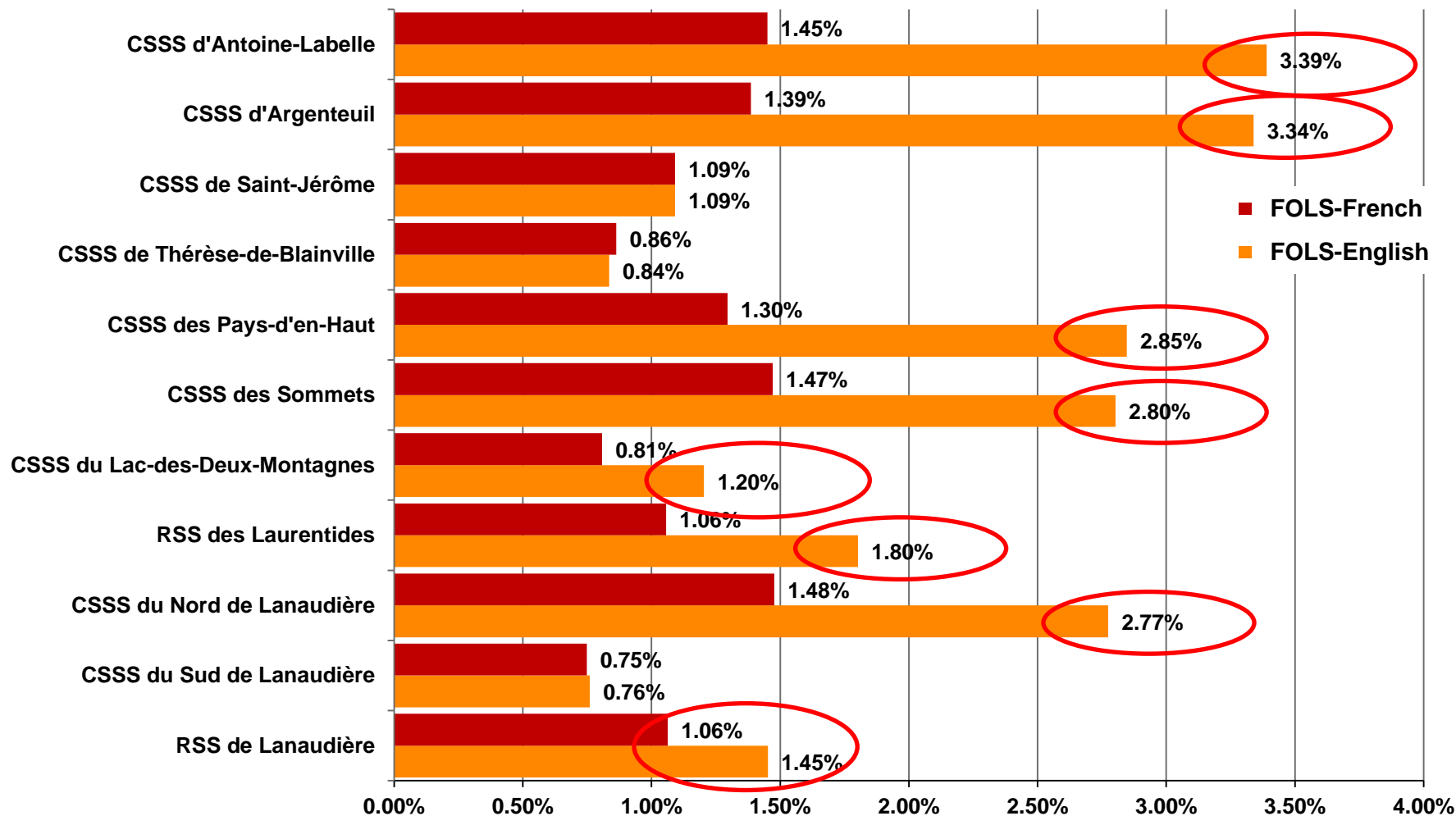|	FOLS-French	FOLS-English
CSSS Cavendish	1.60%	3.87%
CSSS d'Ahuntsic et Montréal-Nord	2.11%	1.15%
CSSS de Bordeaux-Cartierville-Saint-Laurent	2.59%	1.92%
CSSS de Dorval-Lachine-Lasalle	2.00%	1.85%
CSSS de La Montagne	1.97%	2.14%
CSSS de la Pointe-de-l'Île	1.81%	0.63%
CSSS de l'Ouest-de-l'Île	1.58%	1.65%
CSSS de Saint-Léonard et Saint-Michel	1.54%	1.04%
CSSS du Coeur-de-l'Île	1.30%	0.85%
CSSS du Sud-Ouest-Verdun	1.45%	1.29%
CSSS Jeanne-Mance	1.07%	0.50%
CSSS Lucille-Teasdale	1.77%	2.42%
RSS de Montréal	1.74%	1.89%

Source: Statistics Canada, 2011 Census, 100% sample; CHSSN Data Model
Language concept: First Official Language Spoken (FOLS) with multiple responses distributed equally.
Author: Jan Warnke, CHSSN Data Model Manager. January 2013.

**Proportion of the FOLS-English and FOLS-French Populations
85+ years of age in the Lanaudière and Laurentide Health Regions, Québec 2011**

Region	FOLS-French	FOLS-English
CSSS d'Antoine-Labelle	1.45%	3.39%
CSSS d'Argenteuil	1.39%	3.34%
CSSS de Saint-Jérôme	1.09%	1.09%
CSSS de Thérèse-de-Blainville	0.86%	0.84%
CSSS des Pays-d'en-Haut	1.30%	2.85%
CSSS des Sommets	1.47%	2.80%
CSSS du Lac-des-Deux-Montagnes	0.81%	1.20%
RSS des Laurentides	1.06%	1.80%
CSSS du Nord de Lanaudière	1.48%	2.77%
CSSS du Sud de Lanaudière	0.75%	0.76%
RSS de Lanaudière	1.06%	1.45%

Source: Statistics Canada, 2011 Census, 100% sample; CHSSN Data Model
Language concept: First Official Language Spoken (FOLS) with multiple responses distributed equally.
Author: Jan Warnke, CHSSN Data Model Manager. January 2013.

Thank- you!

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