



PHYSICAL ACTIVITY AMONG SHERBROOKE YOUTHS











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1 – Introduction

- An estimated 10% of the world's school-agers are considered to be carrying excess body fat and a quarter of them are obese (Lobstein & al., 2004).

- e) In Quebec, less than half (44%) of youths aged 12 to 17 achieve experts recommendations concerning physical activity (Nolin & Hamel, 2005).

This study aims to:

- · Describe the physical activity profile of Sherbrooke youths aged 4 to 17.

5 - Results

A)



Only two children and adolescents out of five (41.4%) engaged in at least 60 minutes of daily physical activity.

Boys were more likely to do so than girls, both in elementary and high schools. B)



Almost half (48.5%) of the boys and one third (34.3%) of the girls engaged in 60 minutes or more of daily physical activity.

The proportion of boys and girls who engage in at least 60 minutes of daily physical activity increases in early adolescence. This proportion decreases throughout the rest of adolescence, except for 17-year-old boys.

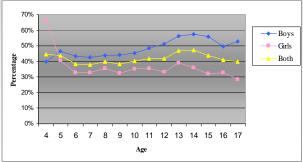


Figure 2. Proportion of Sherbrooke youths engaged in at least 60 minutes of physical activity by age.

3 – Theoretical Framework

Structural model of health behavior: Behavior is influenced by individual-level attributes as well as population-level factors. Human behavior is describe as a reciprocal interaction between individuals and their environment (Cohen & al., 2000).



4 - Methods

- In spring 2008, as part of a multifaceted community project, a cross-sectional study was conducted with the participation of five organizations from Sherbrooke, Quebec's 6th most populous city (pop. 150,000). These organizations wanted to know the lifestyle habits of Sherbrooke youths in order to take subsequent action.
- Students from the entire Sherbrooke School Board (37 elementary schools and 5 high schools), which includes French-language public schools, received a self-administrative questionnaire. The main topics of this questionnaire were physical activity levels, organized sports, free play, active transportation and factors contributing to disengagement.
- In all, 13,862 questionnaires were completed by parents of elementary school (N= 8,612) and by high-school students (N=5.250).
- Frequency analysis and crosstabs were used to analyze data. All analyses were performed using SPSS 17.0.
- D) Main factors contributing to the disengagement of youth from physical activity:

Individual factors

- Lack of time (N=2,246)
 Lack of interest in physical activity (N=1,648)
 Lack of determination and discipline (N=1,549)
 Lack of energy (N=972)
 Do not like to sweat (N=896)
- Environmental factors

- 1) High cost of sport equipment (N=6.595)
 2) Difficulty walking or biking to school safely (N=6,253)
 3) High cost of activity fees (N=6,414)
 4) Lack of information about physical activities offered in the area (N=3.991)
 5) Distance of facilities from home (N=3,360)

6 – Discussion

- b) They confirm that boys are more likely than girls to participate in daily physical activity. The differences between genders are significant at all ages (Currie & al., 2008). They also corroborate that the proportion of youths achieving experts recommendation decreases
- frequent. Cameron & al. (2005) found similar environmental barriers for children's physical information about physical activities offered in the area.

To consult the complete version of Portrait des jeunes Sherbrookois de 4 à 17 ans en matière d'alimentation et d'activité physique et sportive :

http://www.santeestrie.or.co/publication_documentation/documents/Bannor/Fina/2010.ndf