The social and physical consequences of weight stigma in obese adolescents – primary care view

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Abstract

Negative attitudes regarding obese adolescents are learned early in life. Weight stigmatizing experiences occur frequently in the context of personal relationships with peers, teachers, family members, and health professionals. Adolescents’ weight stigma is insufficiently considered in the obesity’s management, and this contributes to negative health outcomes and behaviors that act as obesogenic factors into adulthood. Primary care professionals provide opportunity for translating expert recommendations for healthy behavior changes of obese adolescents, having facilities and staff to implement them in the community. However, comprehensive programs for controlling body weight and stigmatizing obese adolescents are not sufficiently addressed in primary care because they require psycho-educational skills development and dedicated time. In the framework of the curricular reform of the family medicine residency program a study design in the community served by the family physician trainer and carried out with the family medicine residents involvement was included. We describe an integrative community-based educational program dedicated to the social and physical health consequences of obese adolescents’ weight stigma that should be implemented in primary care.

Conclusions. Psycho-educational skills development in the future family doctors training will lead to greater efficacy in addressing emotional needs of obese adolescents. Their increased involvement in counseling parents will help better cope with their children’s eating disorders and weight-based victimization.

Keywords: obese adolescents, weight stigma, primary care

INTRODUCTION

Obesity and related comorbidities including weight-based stigmatization are today one of the major public health issues, but not sufficiently addressed, regardless of the age of the patient. The trend is particularly alarming in children. Words such as “epidemic” or “pandemic” childhood obesity underlie the fact that
even in children, obesity is emerging as a world global problem [1,2]. Adolescent obesity has physical health and social consequences [3,4], and is strongly linked with obesity during adulthood [5,6]. Negative attitudes regarding obese adolescents are learned early in life. Weight stigmatizing experiences occur frequently in the context of personal relationships with peers, teachers, family members, and health professionals. Adolescents’ weight stigma is rarely considered in the long-term management of obesity, and this contributes to negative health outcomes and behaviors that act as an obesogenic factor into adulthood. Weight stigma includes attitudes, beliefs manifested as negative stereotypes, prejudice, ignoring and even rejection of obese person. The slim figure promoted by media has been accepted by the modern urban civilization, and overweight people began to be considered unattractive, less competent and sociable [7]. Although weight stigma is often tolerated in the community, considering that shame will motivate weight loss, sometimes, especially in adolescents it produces demotivation, leading to binge eating and disincentive for sports. Teasing and social rejection by peers are connected to psychological problems, and maladaptive eating behaviors such as strict dieting, fasting, self-induced vomiting, misuse of diet pills, laxatives [8]. Teachers have lower expectation from obese adolescent perceiving them to be lazy, having poor will, and lack of self-discipline. In addition, there is a personal experience of adolescents’ shame, negative self-evaluation, or perceived discrimination by teachers that is part of weight self-stigma. Family members sometimes show embarrassment to the body appearance of their obese children and contribute to the limitation of social activities. Weight-based stigmatization is also common in healthcare settings [9], and has been observed among physicians, nurses, medical students, and dietitians [10]. The stigma of being overweight has been called debilitating because it cannot be hidden, and others see obesity as controllable [11] and should be carefully addressed by primary health care professionals.

**PRIMARY CARE AS OPPORTUNITY TO IMPLEMENT PROGRAMS FOR WEIGHT AND STIGMA CONTROL OF OBESE ADOLESCENTS IN THE COMMUNITY**

The percent of obese adolescents who maintain their obesity as adults is increasing. In the United States, federal statistics estimate that 80% of overweight adolescents grow up to be obese adults, leading to obesity-related health problems. Since pharmacotherapy options for treatment of adolescent obesity are very limited, developing a comprehensive management program focused on behavioral changes is the reasonable solution. Primary care practitioners address and positively influence many somatic problems that are consequences of obesity such as hypertension, dyslipidemia, insulin resistance, type 2 diabetes, sleep-disordered breathing [12-14]. In addition to the physical problems associated with obesity, considerable attention must be paid to stigma and discrimination against obese adolescents.

Family doctors develop an ongoing, personal patient-physician relationship, so it is important that they determine how obese adolescents relate to others, manage the stress and barriers they face [15], helping them to make healthy choices. Most families highly value the input of family doctors and welcome their involvement, which places them in a strong position to manage obese adolescents health and emotional problems [2,16]. Despite the fact that adolescent obesity have increased dramatically in recent decades, with 34% of adolescents currently overweight or obese [17], it has been understudied compared with adults and preadolescents obesity [18]. However, the teenage period is a favorable time to promote healthy lifestyle and to influence behaviors with risk for the physical, mental and social health of the future adults. Primary care settings provide opportunity for translating expert recommendations for healthy life optimisation from childhood, adolescence into adulthood [19,20], as they have the staff to provide counseling and facilities, including through telemedicine, as virtual visits are more attractive and comfortable for obese adolescents [21].

Models for implementing expert recommendations for weight management interventions with adolescents and stigma control require development and testing [22], especially in primary care. Comprehensive lifestyle optimisation programs including diet, physical activity counseling and behavioral management training are efficacious, but they were rarely conducted in primary care settings [23].

There are several challenges which could be encountered during different phases of research regarding the lifestyle optimization of obese adolescent in primary care [18]. In the framework of the curricular reform of the family medicine residency program a study design in the community served by the family physician trainer and carried out with the family medicine residents involvement was included in the training of future family doctors.

Based on the experience of the authors in research activities in the field of healthy lifestyle promotion [1,2,18,21,24-28], we proposed some study designs on the obese adolescents’ health issues. We describe an integrative community-based educational program dedicated to the social and physical health consequences of adolescents’ weight stigma that should be implemented in primary care.
The design of the study to be implemented in primary care aims to increase the efficiency and sustainability of community-based educational programs and includes two components.

**The body weight control program**

It encompasses a set of principles and techniques for modifying diet and exercise, teaching adolescents how to achieve their eating and exercise goals by methods such as:

- setting goals: to reduce weight, improve diet by changing bad meal patterns, increase the amount of physical activity
- self-monitoring: keeping records (food diary) of skipping breakfast, food intake calories, portion sizes, sweetened beverage consumption; keeping records of physical activity and screen time (physical activity diary)
- weighing weekly: records of weight loss, stagnation or gain weight
- identifying barriers for goal achievement and solving problems through a tailored plan: avoiding snacking patterns in between meals, improving bad sleep patterns (late hours of sleep, nocturnal binge eating, short sleep duration)
- control of eating stimulus and binge eating prevention: modifying the food and physical activity environment to make healthful choices more available
- rewarding for reached goals provided by family medicine residents, nurses rather than family members
- promoting adolescent autonomy: telephone contact with adolescent and mail contact with parent.

**The weight stigma control**

- Social activities diary (social diary) will help to schedule social activities and record the number of missed opportunities to meet with colleagues for fear of being teased or bullied.
- The medical visits diary will record the number of appointments to the doctor avoided by motivations such as shame of the body’s appearance and fear of anti-fat attitudes. Adapting the duration and quality of time invested by the family doctor to the complexity of the obese teenagers’ problems facilitates the expression of their weight-based emotional problems and helps to identify new barriers to address.
- Focus groups with parents, teachers, school psychologists will include discussions on barriers, seeking help to manage the stigma of the obese child and concerns about being considered a poor parent. The primary care practitioners should emphasize the parents’ role in the process.

By administering self-report questionnaires to both adolescents and parents, before and after educational programs, as well as at one year of follow-up, we will be able to test the effectiveness of this community-based weight and stigma control educational program.

**CONCLUSIONS AND IMPLICATIONS FOR PRIMARY CARE PRACTICE**

Primary care practitioners are not confident enough in recognizing emotional problems of obese adolescents and have lack of training in this area. Given the time constraints experienced by family physicians, they often do not consider themselves able to manage the victimization of obese adolescents and prefer to work with other health professionals.

The increased prevalence of adolescents’ obesity and the social and physical health consequences of weight-based stigmatization, require support in implementing weight and stigma control educational programs in primary care, access to evidence-based interventions and greater resources.

Psycho-educational skills development in the future family doctors training will lead to greater efficacy in addressing emotional needs of obese adolescents. Their increased involvement in counseling parents will help better cope with their children’s eating disorders and weight-based victimization.

**REFERENCES**


