# The Choices Made by Adolescents in High School Physical Education Classes: Effects of Grade, Age, and Gender on the Type of Activity 

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Received June $13^{\text {th }}, 2012$; revised July $15^{\text {th }}, 2012$; accepted July $30^{\text {th }}, 2012$


#### Abstract

The comprehension of the adolescent student's choices might help teachers to select content and to develop strategies, since they show what in fact motivates the adolescent and how. This study investigated the choices made by adolescents in different high school physical education classes in relation to grade, age, and gender. The participants included 271 high school students enrolled in 10th, 11 th, and 12 th grade mixed classes (boys and girls). The design involved three programs in which a type of activity was developed: walking, running, and futsal. Each program comprised five classes in relation to social, competition, game-like, and fitness themes, from which the students chose. The dependent variable was the theme chosen, and trend analyses and multiple comparisons were performed. The results revealed that girls chose more walking activities with a social theme, and boys' choices were related to competition and game-like themes. The fitness theme was the least popular for both girls and boys. Activities for girls that include a social focus might have a greater appeal, while competition and game-like activities would likely have greater acceptance among male students. No tendency related to the grades and ages progressions was observed.


Keywords: Adolescent; Choice; Physical Education; Motivation; High School; Type of Activity

## Introduction

In the past few decades, researchers have increasingly recognized the importance of understanding the relationship between adolescence and physical activity. On the one hand, for example, adolescence has been considered a critical period of development in which individuals can begin to adopt certain healthrelated behaviors such as the regular practice of physical activity (Aaron, Storti, Robertson, Kriska, \& Laporte, 2002; Lubans, Morgan, \& McCormack, 2011; Naul, Nupponen, Rychtecky, \& Vuolle, 2002; Tammelin, Laitinen, \& Nayha, 2004). Yet, on the other, studies have shown that the number of adolescents with health problems related to sedentary behavior or physical inactivity (i.e., obesity and cardiovascular diseases) has increased significantly (Alpert \& Wilmore, 1994; Bar-Or, 2003; Bar-Or \& Malina, 1995; Irwin Jr. \& Millstein, 1986; Kohl \& Hobbs, 1998; Sallis \& Patrick, 1994). In fact, it has been consistently demonstrated that the highest rate of drop out in physical activity programs occurs between the ages of 12 and 18 years (Caspersen, Pereira, \& Curran, 2000; Prusak \& Darst, 2002; Telama \& Yang, 2000).
The promotion of physical activity in the adolescence, including in the school physical education programs, has also been a major focus of researchers (CDC, 1997; Cale, 2000; Fleming et al., 1998; Hultsman, 1999; Lawson, 1998; Mckenzie, 1999; Nahas, Barros, \& Oliveira, 2005; Sallis \& Patrick, 1994; Ward, Everhart, Dunaway, Fisher, \& Coates, 1998; Welk, 1999). The role and potential of school-based physical education programs in promoting and stimulating students to acquire behaviors and knowledge related to adopting active life styles
(Nahas, Oliveira, \& Barros, 2005; Rink, 2009) has justified this research emphasis.

The main locus of research concerns has been the adolescent's motivation to participate in physical activities, and the choices he or she makes during physical education classes (Couturier, Chepko, \& Coughin, 2005; Epstein, 1988, 1989; Fleming, Mitchell, Gorecki, \& Coleman, 1999; Garn, Cothran, \& Jenkins, 2011; Ishee, 2004; Johnson, 2008; Kovar, Kathy, Mehrhof, \& Napper-Owen, 2001; Pagnano \& Griffin, 2001; Prusak \& Darst, 2002; Prusak et al., 2004; Ty-Ann \& Oslin, 2003).

It has been hypothesized that giving opportunities to adolescents to make choices during physical education classes will increase his/her intrinsic motivation, and, consequently, involvement, enjoyment, and participation (Kovar, Kathy, Mehrhof, \& Napper-Owen, 2001; Lonsdale, Sabiston, Raedeke, Ha, \& Sum, 2009). It is thought that decision-making opportunities contribute to student's sense of autonomy, independence, and freedom (Deci \& Ryan, 1985, 1987) which are important developmental characteristics of the adolescent (Bycura \& Darst, 2001; Corrêa \& Silva Filho, 2008).

For example, Prusak and colleagues (Prusak \& Darst, 2002; Prusak et al., 2004; Ward et al., 2008) investigated the choices of adolescent girls in 7th and 8th grade physical education classes. Specifically, Prusak and Darst (2002) examined the choices of adolescent girls who were offered an opportunity to choose between different walking activities. Walking was chosen because it is less likely to be associated with pre-existing attitudes about physical education, does not depend on skill level, offers a greater degree of experimental control, and is in
line with US recommendations of participation in physical activity in adulthood and old age. In this study, girls had to choose among walking activities with social, exercise/fitness, game-like, or competition themes. The results showed that social walking activities, in which the girls could interact with the colleagues, were considered the most attractive ones. Prusak's later studies investigated the effect of choice on motivation (Prusak et al., 2004), and on self-determination and physical activity levels (Ward et al., 2008). They revealed that the girls who had freedom of choice were more intrinsically motivated than those without opportunities of choice, but no effects were observed in the level of physical activity.

In another study (Corrêa \& Silva Filho, 2008), the adolescents' choices were investigated with both boys and girls in mixed physical education classes. It was observed that adolescents, even in mixed classes, chose walking activities with social emphases. The girls chose social walking more than boys, who more often chose walking activities with competition themes. The exercise/fitness walking theme was the least chosen.

In sum, previous researches have suggested that giving opportunities to adolescents to make choices during physical education classes will increase his/her intrinsic motivation, and, consequently, involvement, enjoyment, and participation. It has been hypothesized that decision-making opportunities contribute to student's sense of autonomy, independence, and freedom, which are important developmental characteristics of the adolescent. These findings have implications not only in providing a better understanding of the adolescent student's motivations, but also in helping teachers to select content and to develop strategies, since they show what in fact motivates the adolescent and how.

In the present study, we extended the pre-existing knowledge by investigating the choices made by adolescent students of both genders in relation to the following educational level (high school). In previous studies (Corrêa \& Silva Filho, 2008; Prusak \& Darst, 2002; Prusak et al., 2004), adolescents were in the 7th and 8th grades, with an average age of 11 years. However, adolescence is a long period of development that extends to approximately 20 years (Lerner \& Galambos, 1998; Race, 1995). In this period, the important and fast-paced physical, psychological, and social changes take place together with the transition from secondary/middle school to high school (Shaffer, 2005). Furthermore, these changes are accompanied by an increasing in the diversity of interests of the adolescent, including those related to the type of physical activity (Lubans, Morgan, \& McCormack, 2011; Tammelin et al., 2004; Fleming et al., 1998; Hultsman, 1999; Lawson, 1998; Ward et al., 2008). The current study, therefore, sought to understand the nature of choices made by adolescents in physical education classes relative to high school grade level, age, gender, and type of activity.

## Method

## Participants

The participants included 271 high school students enrolled in 10th, 11th, and 12 th grade mixed classes (boys and girls), and who were between the ages of 15 and 23 years (Table 1). Importantly, the relationship between age and educational level was not linear because many students had retention. All students participated voluntarily and parents' consent was ob-

Table 1.
Characteristics of the students in high school physical education classes in relation to grade (10th, 11 th, 12 th), gender (boys [ $\left.{ }^{〔}\right]$ and girls [q] $)$, age (mean and standard deviation), and number of students (n).

| Grade | Gender | Age | n |
| :---: | :---: | :---: | :---: |
| 10th | $\delta^{\top}$ | 16.0 ( $\pm 0.8)$ | 69 |
|  | 우 | $15.7( \pm 0.6)$ | 42 |
| 11th | $\delta^{2}$ | 16.8 ( $\pm 0.7$ ) | 39 |
|  | 우 | 17.0 ( $\pm 0.8)$ | 39 |
| 12th | $\bigcirc$ | $17.8( \pm 0.4)$ | 32 |
|  | 아 | $18.2( \pm 1.0)$ | 50 |

tained through the high schools' administrators. This study was approved by the local Institutional Review Board of the University of São Paulo.

## Procedures

This study was conducted during physical education classes, by the teacher, as part of the planned curriculum. Three programs were developed in a counterbalanced way involving the following activities: walking, running and futsal (indoor soccer).

In each program, during the first class, it was contextualized with explanations about the benefits of the activity. In the following three consecutive classes, students were asked to choose from four different practice schedules, with the following themes: social, game-like, competition, and fitness.

For the walking activity these themes were:

- Social-Friends, music and fun: Students walked during 20 minutes. They could interact with each other and bring sound equipment or CDs to be played on equipment supplied by the school.
- Game-like-Treasure hunt: Students were divided into groups according to the number of participants in the activity and carried out the walking for 20 minutes. Every 4 minutes they received a card with a clue about anything to be discovered (a famous sportsman, the name of a sport, etc.). When they received a new card, the clues will become easier. Won the team at the end of the time discovered first.Competition-Basketball Tournament: Students were divided into teams and performed the activity during 20 mi nutes, around the basketball court. When they passed through the baskets, a student with ball possession performed a throw. The team that converted more points won.
- Fitness-Circuit Exercise: Students walked for 20 minutes. Every four minutes they stopped and performed a different exercise (handstand with feet on the wall); 20 abs ; Crab (4 supports in the supine position); 20 dorsals; push-ups.
Concerning the running activity the themes above cited were:
- Social-Basic running: during 20 minutes the students ran around the outdoor volleyball court, at a pace that did not prevent them from interacting with colleagues, without losing focus on the activity.
- Game-like-Summing points: the game was performed individually. Students ran for 20 minutes. Along the way, there were numbered cards scattered faces down on a table. Every 4 minutes, they should draw a card (without delay).

At the end, the students added up their cards. One who obtained the highest score won. It was not allowed to pick more than one card at a time.

- Competition-Cross-Country: In groups, students ran in a specific space of the block containing some obstacles. When finalizing a certain amount of turns, each student received a letter numbered related to its order of arrival. At the end, the groups added their letters and one with more points won.
- Fitness-Running with variations: the students ran during 20 minutes around the volleyball court. Cones placed every five meters showed a different form of running: elevating the heels, knees, leg stretched out in front, running back, and sliding as if on roller skates.
And, regarding the futsal the following activities were provided for the student's choices:
- Social-Touching the ball in groups: during 20 minutes the students traveled a certain space, holding hands in a circle, with two or more balls inside. During the journey, they could not let the balls get out of the circle. If that happened, they re-started the activity, without prejudice.
- Game-like-Taking care of the ball: individually, students should drive with your feet a futsal ball freely around the court for 20 minutes. They should protect their ball while trying to kick the ball from another colleague. Won the student who remained more time with his ball.
- Competition-Championship of mini-goal: the students were divided into teams and competed in 4 rounds of mini-soccer court with mini-goals, so teams are faced throughout the 20 minutes. Won the team with more goals in four minutes. Every four minutes the teams changed their opponent. At the end of 20 minutes the team that won more matches.
- Fitness-Circuit of Exercises: Students performed passes in pairs moving around the court for 20 minutes. Every four minutes they performed a different exercise: pass with the head in pairs; abdominal passing the ball with the head while elevate the trunk, passing the ball into double, carrying the ball to mate running back and forth.
The students were allowed to change practice schedules on each of three days, at their own discretion. At the beginning of each class, all practice schedules were offered to the students, along with accompanying explanations and instructions. During the fifth class (the last), the students were asked to discuss their experiences and activities, and to explain their motivations and choices, which were collected as data. The physical education classes were held twice per week, with duration of 50 minutes, on an indoor sports court and an outdoor volleyball court.


## Data Analysis

The dependent variable was the choice of theme in each activity: social, competition, game-like and fitness. The results were analyzed to identify main effects of choices in relation to 1) grade and gender; and 2) age and gender interactions in each type of activity. These analyses were conducted using Trend Module (Trend Analysis and Multiple Comparisons) of PEPI software (Gahlinger \& Abramson, 2005; Cattuzzo, Basso, Henry, \& Oliveira, 2010). For all analyses the level of significance was $p<.05$

## Results

## Walking

Grade and gender. Statistical analyses revealed effects for all grades in relation to both males and females (Table 2). With regard to the 10 th graders, the results revealed that the boys chose more walking activities with game-like and competition themes than those that were considered social or related to fitness $(p<.01)$. The girls chose those that were considered social more than any other type of walking activity $(p<.01)$.

Regarding the 11 th graders, the boys chose more walking activities with game-like and competition themes than of a fitness theme $(p<.05)$, the girls chose the social theme most frequently, and the fitness theme least frequently ( $p<.01$ ).

Finally, with regard to the 12 th graders, the results indicated that the boys chose more walking activities with game-like and competition themes than for fitness $(p<.01)$, and they chose the competition theme more often than the social theme ( $p<.01$ ). The girls chose the social walking activity with greater frequencies than for the remaining themes $(p<.01)$.

Age and gender. Statistical analyses did not reveal significant differences for boys aged 19 years and older (Table 3). The 15 -year-old boys more frequently chose walking activities with a competition theme than one of fitness ( $p<.05$ ). The girls picked the social walking activity most frequently $(p<.01)$.

For the 16-year-old students, the boys more often chose walking activities with game-like and competition themes than with a social theme ( $p<.01$ ), and the competition walking activity was the most popular $(p<.01)$. The girls most frequently chose the social walking activity $(p<.01)$.

The 17 -year-old boys chose the walking activity with a fitness theme least frequently $(p<.01)$. The 17 -year-old girls preferred the social walking activity over the other types $(p<.01)$, and preferred the competition theme to the fitness theme $(p<.05)$.

The 18-year-old boys most frequently chose game-like and competition themes over the fitness theme ( $p<.01$ ), and they chose the game-like walking theme over the social theme $(p<.05)$. The girls most frequently chose the social theme $(p<.01)$, and preferred the walking activity with a competition theme over the fitness theme $(p<.05)$.

For the 19-year-olds, differences were found only for the girls, who most frequently chose the social theme, and least

Table 2.
Results of the trend analysis and multiple comparisons conduced for boys ( $\delta^{\top}$ ) and girls' ( $q$ ) choices of all school grades (10th, 11th, 12th). (Degrees of freedom $=3$ for all comparisons)

| Grade | Gender | Walking | Running | Futsal |
| :---: | :---: | :---: | :---: | :---: |
| 10th | $\delta^{\top}$ | $\begin{gathered} \chi^{2}=38.60, \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=35.43, \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=30.58, \\ p<.00 \end{gathered}$ |
|  | 아 | $\begin{gathered} \chi^{2}=150.05 \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=59.30 \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=7.32, \\ p>.05 \end{gathered}$ |
| 11th | $\delta^{\top}$ | $\begin{gathered} \chi^{2}=11.07, \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=5.23 \\ p<.05 \end{gathered}$ | $\begin{gathered} \chi^{2}=21.31, \\ p<.01 \end{gathered}$ |
|  | 아 | $\begin{gathered} \chi^{2}=61.03 \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=34.77, \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=11.34, \\ p<.01 \end{gathered}$ |
| 12th | $\delta^{\top}$ | $\begin{gathered} \chi^{2}=33.05 \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=21.00 \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=25.44, \\ p<.01 \end{gathered}$ |
|  | 아 | $\begin{gathered} \chi^{2}=34.31 \\ p<.05 \end{gathered}$ | $\begin{gathered} \chi^{2}=41.64, \\ p<.05 \end{gathered}$ | $\begin{aligned} \chi^{2} & =5.58, \\ p & >.05 \end{aligned}$ |

Table 3.
Results of the trend analysis and multiple comparisons conduced for boys ( $\delta^{\top}$ ) and girls' ( $q$ ) choices of all ages ( $15,16,17,18$ and 19 years or more) (Degrees of freedom $=3$ for all comparisons).

| Age | Gender | Walking | Running | Futsal |
| :---: | :---: | :---: | :---: | :---: |
| 15 | $\bigcirc$ | $\begin{gathered} \chi^{2}=09.19 \\ p<.05 \end{gathered}$ | $\begin{gathered} \chi^{2}=12.74, \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=26.96 \\ p<.01 \end{gathered}$ |
|  | 아 | $\begin{gathered} \chi^{2}=88.95 \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=31.43, \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=1.37 \\ p>.05 \end{gathered}$ |
| 16 | $\delta^{\top}$ | $\begin{gathered} \chi^{2}=27.96 \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=24.92, \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=27.09 \\ p<.01 \end{gathered}$ |
|  | 아 | $\begin{gathered} \chi^{2}=51.70 \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=18.07, \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=21.48 \\ p<.01 \end{gathered}$ |
| 17 | $\delta^{\top}$ | $\begin{gathered} \chi^{2}=25.78 \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=8.20, \\ p<.05 \end{gathered}$ | $\begin{aligned} \chi^{2} & =5.63 \\ p & >.05 \end{aligned}$ |
|  | 우 | $\begin{gathered} \chi^{2}=44.81 \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=43.56 \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=6.12, \\ p>.05 \end{gathered}$ |
| 18 | $\sigma^{\top}$ | $\begin{gathered} \chi^{2}=21.44 \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=23.44, \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=18.33 \\ p<.01 \end{gathered}$ |
|  | 아 | $\begin{gathered} \chi^{2}=36.59 \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=29.12 \\ p<.01 \end{gathered}$ | $\begin{aligned} \chi^{2} & =9.97, \\ p & <.01 \end{aligned}$ |
| 19+ | $\sigma^{\top}$ | $\begin{gathered} \chi^{2}=5.24, \\ p>.05 \end{gathered}$ | $\begin{gathered} \chi^{2}=0.98 \\ p>.05 \end{gathered}$ | $\begin{gathered} \chi^{2}=10.22 \\ p<.05 \end{gathered}$ |
|  | 아 | $\begin{gathered} \chi^{2}=12.74 \\ p<.01 \end{gathered}$ | $\begin{gathered} \chi^{2}=16.30, \\ p<.01 \end{gathered}$ | $\begin{aligned} \chi^{2} & =1.48, \\ p & >.05 \end{aligned}$ |

frequently chose the fitness theme ( $p<.05$ ).

## Running

Grade and gender. Statistical analyses did not revealed significant differences for the boys in the 11th grade (Table 2). With regard to the 10 th grade, the boys chose the running activity with a fitness theme least frequently ( $p<.01$ ), and the girls chose the social running activity with greater frequencies than for the remaining themes ( $p<.01$ ), and more running activities with game-like and competition themes than a fitness theme ( $p<.05$ ). The girls in the 11th grade chose those that were considered social more than any other type of running activity ( $p<.01$ ). Finally, with regard to the 12th graders, the results indicated that the boys chose more running activities with game-like and competition themes than for fitness $(p<.01)$, and the girls chose the social running activity with greater frequencies than for the remaining themes $(p<.01)$ and preferred the game like theme to the fitness theme ( $p<.05$ ).
Age and gender. Statistical analyses did not reveal significant differences just for boys aged 19 years and older (Table 3). For the 15 -year-old boys, the game like and competition themes were preferred to the fitness theme $(p<.05)$, and the girls picked the social running activity most frequently ( $p<.01$ ).
The 16 -year-old boys chose the running activity with a fitness theme least frequently ( $p<.01$ ), and the girls chose more running activities with game-like and social themes than of a fitness theme ( $p<.05$ ).

Regarding to the 17 -year-old boys, they most frequently chose running activity with competition theme over the fitness theme ( $p<.05$ ), and the 17 year-old girls preferred the social running activity over the other types $(p<.01)$.
The 18 -year-old boys most frequently chose game-like and competition themes over the fitness theme ( $p<.01$ ), and the 18
year-old girls preferred the social running activity over the other types ( $p<.01$ ).

For the 19-year olds, differences were found only for the girls, who most frequently chose the social theme, over the game-like, competition and fitness themes ( $p<.05$ ).

## Futsal

Grade and gender. Statistical analyses revealed effects for all grades in relation to the boys. To the girls was revealed just in the 11th grade (Table 2). With regard to the 10th and 11th graders, the results revealed that the boys chose more futsal activities with game-like and competition themes than that was considered social ( $p<.01$ ). In the 10th grade the boys chose more futsal activity with game-like theme than of a futsal fitness theme ( $p<.01$ ), and in the 11th grade chose more futsal activity with competition theme than of a fitness theme ( $p<.05$ ). The girls in the 11th grade chose more the futsal activity with social theme to the futsal activity with a game-like theme ( $p<.01$ ). Finally, with regard to the 12th grade, the results indicated that the boys chose more futsal activities with game-like and competition themes than of a social theme ( $p<.05$ ), and chose more futsal activity with competition theme than for fitness theme ( $p<.01$ ).

Age and gender. Statistical analyses did not reveal significant differences for boys aged 17 years and the girls aged 15, 17 and 19 years old (Table 3). The results revealed that the 15 -yearold boys chose more futsal activities with game-like and competition themes than those were considered social or related to fitness ( $p<.05$ ).

For the 16 -year-old students, the boys more often chose futsal activities with competition and game-like themes than with a social theme $(p<.01)$ and chose more futsal activity with game-like theme than for fitness $(p<.05)$. The 16 years-oldgirls preferred the social futsal activity over the other types ( $p<.05$ )

The 18 -year-old boys most frequently chose futsal activity with competition theme over the fitness and the social themes ( $p<.01$ ). The 18 years-old girls preferred the futsal activity with a social theme over the game-like theme ( $p<.05$ ).

Finally, the 19 -year-old boys frequently chose the competition theme over the social theme ( $p<.05$ ).

## Discussion

This study investigated the choices made by adolescents during walking, running, and futsal physical education high school classes in relation to grade, age, and gender. The results showed the following general tendencies of choices, or preferences: 1) social for girls; 2) competition and game-like for boys; and 3) fitness least frequently chosen by both girls and boys.

The girls' choices were similar to those observed in the study of Pruzak and Darst (2002) in which walking activities with a strong social component were more attractive for adolescent girls than other themes because they provide possibilities for peer interaction. These authors observed that girls who have the opportunity to interact with their peers, do so, and they openly demonstrate satisfaction. Payne and Barnett (2006) suggested that adolescents are increasingly dependent on friends to meet many of their basic needs for social acceptance, and that some activities are undertaken by groups of friends.

It appears that the social component is highly important to
adolescent development. Cole and Cole (2004) observed that in the adolescent, significant changes in the biological system are associated with equally significant changes in the way they interact with families and peers. The social development of the adolescent, claimed Race (1995), takes place in three main phases: 1) at first, there is a tendency for the adolescent to interact with peers of the same gender; 2) later, there is a tendency for adolescents to increase their interactions with groups of a different gender; and 3) thirdly, there occurs a trend called disintegration, in which loving relationships evolve. In this stage, individual relationships are more important than group relationships.

Importantly, although the friends were reported as the most important reasons for boys and girls students select activities (Lubans, Morgan, \& McCormack, 2011), our results indicate that the tendency in choosing the social theme is specific to the girls. Instead, the boys most often chose practice schedule that are related to competition and are game-like. These results are similar to those found in a previous study on younger adolescents (Corrêa \& Silva Filho, 2008). According to these authors, the competition and game-like choice tendencies could be related to the developmental characteristics of the boys. Some claim that, for boys, participation and quality of performance are important for status reasons (McCabe, Roberts, \& Morris, 1991). However, there appears to be an effect of activity specificity on the boys' choices. Results revealed that boys did not prefer the competition theme during the running program. It is possible that the competitive running has demanded higher physical conditioning to obtain success in comparing to the other activities. For example, the running has been preferred by individuals more physically active than walking (Greiwe \& Kohrt, 2000).

Our results suggest that changes in high school peer groups-the result of age and grade transitions-which can influence students' interests and expectations about physical activity, did not affect the choices they made. Although some variations have been observed, the results did not show any general tendency of change of focus of choice, as grades and ages progressed. Based on this one could say that the social preference for girls and the competition and game-like for boys follow together with the grade and age changes in adolescence.

A particularly interesting finding is that the fitness theme was the least popular of all choices, both for boys and girls. It has been observed that fitness-type activities fit the desires and expectations of younger and older adults more than for adolescents (Corbin, 2001). But, why, then, don't adolescents like fitness activities? One possible explanation could be related to the nature of the activities. Fitness can be viewed as a subset of physical activity that is planned, structured, and repetitive (Caspersen, Pereira, \& Curran, 2000). Perhaps it is these cha-racteristics-structured and repetitive-that don't appeal to adolescents.

Exception was observed with regarding the girls' choices in the futsal activity. Results showed that the social preference was accompanied by that related to the fitness theme. One possible reason for these differences may be related to the social and cultural influences. That is, although the sport of futsal is known and practiced worldwide (Corrêa, Alegre, Freudenheim, Santos, \& Tani, 2012) some students reported that it was not a feminine activity. They also said they feared the possibility of physical contact with stronger guys. Similar reports can be found in the study of Hill and Cleven (2005), pointing to lack
of models for girls in team sports.
In conclusion, the findings of the present study revealed that the high school girls more frequently chose an activity with a social theme; boys' choices were related to competition and game-like themes. The fitness theme was the least popular for both girls and boys. The practical implications are that high school teachers might use these findings to increase student participation in walking, running, and futsal activities programs. Activities for girls that include a social focus might have a greater appeal, while competition and game-like activities would likely have greater acceptance among male students. Since different emphases were investigated within three specific activities, further research should analyze adolescents' choices in other types of physical activity.

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## A. S. DA S. FILHO ET AL.

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