Perceived Constraints on Middle School Sport Participation

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Middle School Years

- Participation in youth sport declines significantly among both boys and girls (Casey et al., 2009; Hedstrom & Gould, 2004; President's Council on Physical Fitness and Sport, 1997)
- By 16, most adolescents have adopted a pattern of leisure activities and sport participation that will form the foundation for their adult leisure lifestyle (Green et al., 2005; Roberts, 1999).

Why Study Constraints

Constraints are factors that are **perceived** or **experienced** by individuals to limit the formation of leisure preferences and/or inhibit participation and enjoyment in leisure.

(Jackson, 2000)

Key Question?

What are the main constraints perceived by middle school children in relation to sport?

Why Constraints are Important

- Understanding both positive (e.g., motivations) and negative (e.g., constraints) influences on leisure behavior.
- 2) Provide solutions for practitioners and policy makers.

Measured Constraints

Intrapersonal

- Psychological not confident; not skilled; not fit
- Interest not interested; played and did not like it Interpersonal
- Partners no one to play with; friends don't like
 Structural
- Time too busy with school work, friends, etc.
- Knowledge Don't know where, no one to teach
- Accessibility transportation, no sports near home
- Facilities poor quality; crowded

Research Questions

- Do constraints differ based on sport type?
 - No sports
 - Intramural
 - Interscholastic
 - Community Sport only
 - School Sport and Community Sport Combination
- Do constraints differ based on sociodemographics?
 - Gender
 - Race
 - SES

Methodology

- Four Public Middle Schools (N = 2465)
- 97.3 % Response Rate
- Web-based survey administered at the schools
- Constraint measure adopted from previous research in sport and recreation (e.g., Alexandris et al., 2002)
 - 25 items
 - 7 constructs
- ANOVA (Tukey post hoc) and *t*-tests

□ *p* < .01

Results

• Acceptable validity of the constructs (CFA) and invariance of the measurement model across socio-demographic comparisons

• Internal reliability (
$$\alpha = .69 - .78$$
)

Overall Means

Time (M = 1.99)
 Partners (M = 1.68)
 Facilities (M = 1.65)
 Knowledge (M = 1.56)
 Accessibility (M = 1.62)

Overall Trends - Participation Type

2) Intramural Sports (n =130)

1) No Sports (n = 157)

Higher Constraints

Lower Constraints 3) Varsity Sports (n =118)
4) Community Sports Only (n =1607)
5) Community Sports + Intramural (n = 188)
6) Community Sports + Varsity (n =154)

Comparing by Participation

Significant differences:

- No Sport / Intramural/ Varsity > Community / IM + Community / Varsity + Community
 - Accessibility
 - Knowledge
 - Psychological
 - Time
- No Sport / Intramural/ Varsity > Community / IM + Community > Varsity + Community
 - Facilities
 - Interest
 - Partners

Comparison by Gender

Constraint	Female (n = 1163)	Male (n = 1169)	<i>p</i> value
Accessibility	1.67	1.56	.002
Interest	1.63	1.54	n.s.
Facility	1.70	1.61	n.s.
Knowledge	1.62	1.50	.001
Partners	1.73	1.61	<.001
Psychological	1.61	1.49	<.001
Time	2.06	1.91	<.001

Comparison by SES

Constraint	Yes (n = 739)	No (n =1591)	<i>p</i> -value
Accessibility	1.86	1.50	<.001
Interest	1.62	1.57	n.s.
Facility	1.76	1.61	<.001
Knowledge	1.76	1.46	<.001
Partners	1.76	1.63	<.001
Psychological	1.68	1.52	.002
Time	2.01	1.96	n.s.

Overall Trends - Race

Higher Constraints Lower Constraints

1) Latino (n=237)

2) Multi-Racial (n=184)

3) African American (n=737)

4) Caucasian (n = 1103)

Comparison by Race

- No significant differences for:
 - Time
 - Interest
- Significant differences
 - Knowledge
 - Latino > Caucasian and African American
 - Accessibility
 - Latino > Caucasian and African American
 - Partners
 - Latino > Caucasian and African American
 - Facilities
 - Latino > Caucasian
 - Psychological
 - Latino > Caucasian

- 1) The importance of community sport
 - Community sport respondents perceived lowest constraints
 - No differences between non-sport school sportonly constraints

WHY COMMUNITY SPORT?

- Diversity of skill levels reached, unorganized places to play, mixed age, enjoyment, practice skill development
- Parents take more responsibility, rather than schools' responsibility

2) Girls have equal interest but higher constraints

- Opportunities "may" be equal but perceptions of constraints are not
 - More restrictions household tasks and family responsibility (Thompson, 1999)
 - Lower confidence and self-esteem (Henderson & King, 1998; Shaw, 2002)
 - Social approval (Shaw & Henderson, 2005)

- Latino (more glaring differences)
 - No major differences between Caucasian and African American
 - Latino Students
 - Obesity-related diseases are greater in the Latino population. Highest rates of obesity and rates of Type 2 diabetes (Woodward-Lopez, & Flores, 2006)
 - Target Market
 - Announcements/Sign-up "drive" (accessibility)
 - Communication with parents (knowledge)
 - Social opportunities (partners)

- Low SES
 - Significantly lower for all variables except Time and Interest
 - Lack of research on constraints and income
 - Structural Constraints
 - Transportation support for either community or school based sports could have a significant impact (i.e., late buses, or coordinated car pooling)
 - Lower quality facilities in neighborhoods
 - Intrapersonal
 - Lower competence due to less coaching, poor quality programming, etc.
 - Interpersonal
 - What are friends doing?

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Questions

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