Adolescent physical activity, self-efficacy, and friendships at summer care programs.

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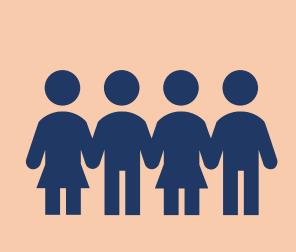
Introduction

- Adolescents are significantly less active in summer months
- Summer care programs (i.e. Boys & Girls Clubs) can fill the gap
- Social environment impacts adolescent physical activity (PA)
- Social network analysis is one way to measure the social environment

Objective

Examine associations between PA, self-efficacy, outside friendships, and friendship ties among adolescents in a summer care program.

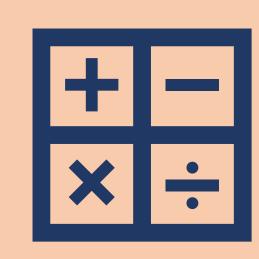
Methods



Adolescents (aged 8-12) at a Boys & Girls Club reported perceived PA, self-efficacy, and social networks inside and outside the program



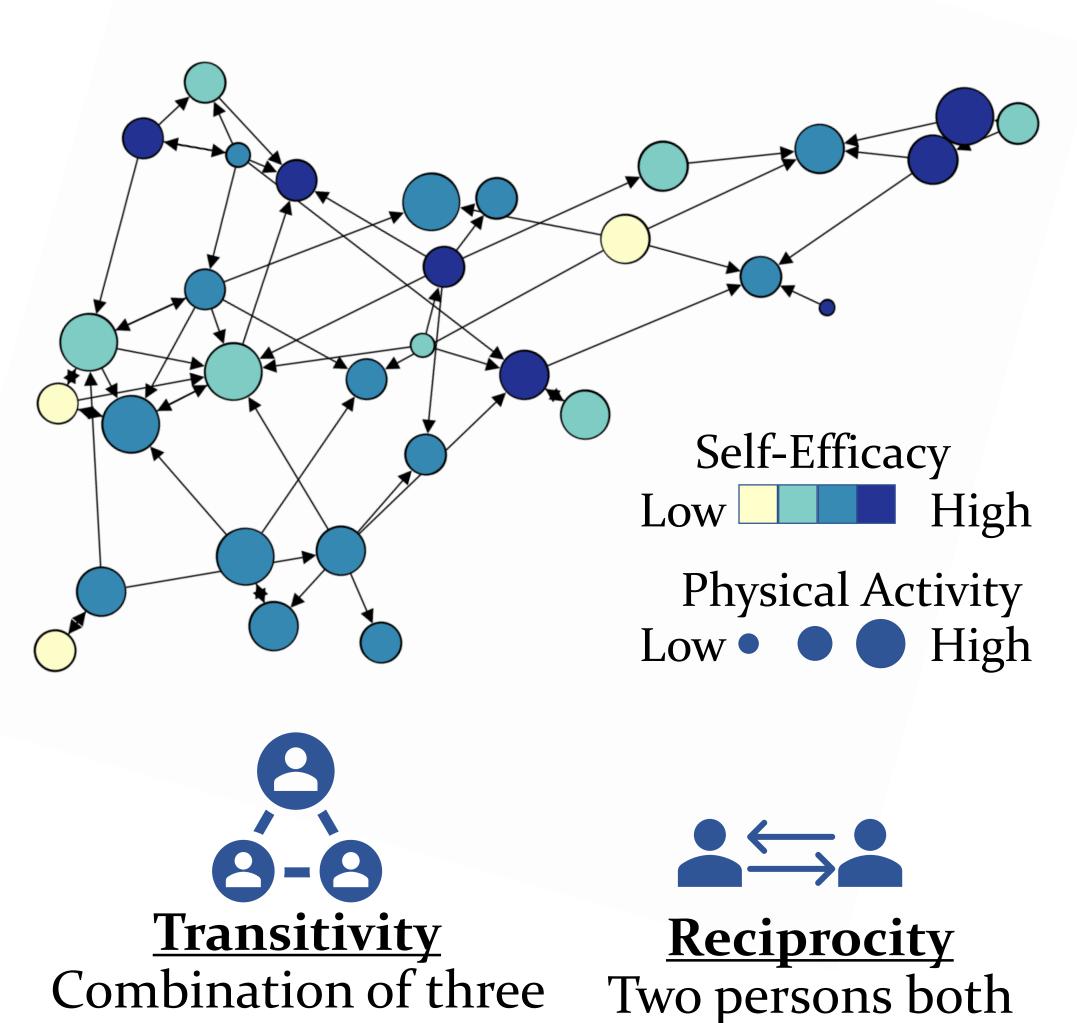
Adolescents indicated up to five people they spent the most time with while at the program and five when they weren't at the program

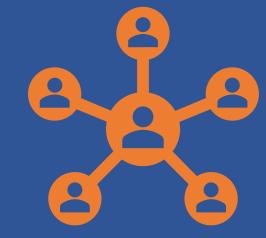


Exponential random graph modeling determined factors associated with tie formation within the program

Results

Parameter	Estimate (SE)	P-val	Interpretation
Connections	-2.97 (0.61)	<.001	Connections in this network were significantly less likely than what is to be expected on random.
Reciprocity	1.86 (o.47)	<.001	Connections were significantly more likely to occur in pairs (reciprocity)
Transitivity	0.48 (0.18	.01	Connections were significantly more likely to occur in threes (transitivity)
Physical Activity (In)	0.20 (0.10)	.04	Adolescents who reported higher perceived physical activity were significantly more likely to be nominated
Network Size Outside Club (In)	-o.25 (o.o8)	.02	Adolescents who reported fewer outside connections were significantly more likely to be nominated
Self-efficacy (Out)	-0.31 (0.13)	.02	Adolescents who reported more self-efficacy were significantly less likely to nominate others





Fewer external connections may increase the need to connect at summer care programs

Conclusions

PA might help adolescents connect socially at summer care programs





Self-efficacy predicted less social ties, suggesting a potential negative effect of "too much confidence"

<u>Implications</u>

persons connected to

each other

Practitioners working to increase PA in the summer may wish to be conscious of friendship dynamics within the program, as well as external social influences.

re information

nominated each

other

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