

**Table S2:** Full-Text Articles excluded and supported reasoning (n=159)

<b>Abstract Only (n=24)</b>	
1.	Bohme P, Legrand K, Omorou AY, et al. A proportionate intervention in school led to improve overweight prevention without aggravating the health social inequalities. <i>Obes Facts</i> . 2016;1):34.
2.	Briganti S, Zelaschi R, Ermetici F, et al. The Italian E.A.T. Project: Effectiveness of a multicomponent school-based health promotion study on measures of fatness and behavior in teenagers. <i>Eating and Weight Disorders</i> . 2014;19 (3):444-445.
3.	Cunha D, Souza B, Pereira R, Sichieri R. Preventing excessive weight gain by encouraging healthy eating habits among adolescents in Brazil: A randomised community trial. <i>FASEB Journal Conference: Experimental Biology</i> . 2012;26(Meeting Abstracts).
4.	Della Santa AP, Britz M, Deffeminis M, Dornell T, Martinez J, Cavalleri F. STUDY OF THE EFFECTIVENESS OF AN EDUCATIONAL MODEL TO PREVENT AND CONTROL CHILDHOOD OBESITY. <i>Annals of Nutrition and Metabolism</i> . 2013;63:928-928.
5.	Della Torre SB, Dudley-Martin F, Kruseman M. Development and testing of an obesity prevention program for young children at risk, and their parents. <i>Annals of Nutrition and Metabolism</i> . 2011;58:260-260.
6.	Emery CA, Richmond SA, Doyle-Baker PK. The effectiveness of a combined sport injury and obesity prevention program in junior high school. <i>Paediatrics and Child Health</i> . 2010;15 (SA):72A.
7.	Ezendam N, Oenema A, Brug J. Short- and long-term effects of FATaintPHAT, a theory-based computer-tailored intervention to prevent unnecessary weight gain among adolescents. <i>Psychol Health</i> . 2010;25:31-32.
8.	Hollis JL, Sutherland R, Campbell L, et al. A socio-ecologically framed, school-based physical activity intervention has beneficial effects on obesity outcomes in adolescents from low ses communities: The PA4E1 RCT. <i>Obes Facts</i> . 2015;1):110.
9.	Jimenez EY, Sanders S, Vallabhan M, Kong AS. One year outcomes from an adolescent obesity prevention and management intervention in school-based health centers. <i>J Adolesc Health</i> . 2018;62 (2 Supplement 1):S120-S121.
10.	Khatun M, Sonia NN, Mou MK, et al. Impact of nutrition education on overweight adolescent girls (10-19years) in the selected schools of Dhaka city. <i>Annals of Nutrition and Metabolism</i> . 2017;71 (Supplement 2):1254.
11.	Low AK, Greening L, Harrell K, Fielder C, Roach J. The Efficacy of a Culturally Sensitive, Community/School-Based Childhood Obesity Prevention/Intervention Program. <i>Obesity (Silver Spring)</i> . 2009;17:S209-S210.
12.	Lubans D, Dewar D, Morgan P, et al. Two-year outcomes from the NEAT Girls obesity prevention cluster randomized controlled trial. <i>Journal of Science and Medicine in Sport</i> . 2013;1):e34.
13.	Lubans D, Morgan P, Aguiar E, Callister R. Randomised controlled trial of the Physical Activity Leaders (PALs) program for low-active adolescent boys from disadvantaged secondary schools. <i>Journal of Science and Medicine in Sport</i> . 2010;1):e12.
14.	Lubans D, Morgan P, Okely A, et al. Preventing obesity among adolescent girls: Outcomes of the nutrition and enjoyable activity for teen girls cluster randomized controlled trial. <i>Journal of Science and Medicine in Sport</i> . 2012;15 (SUPPL.1):S332.
15.	Lubans D, Smith J, Morgan P, et al. Improving muscular fitness enhances psychological well-being in low-income adolescent boys: Findings from the ATLAS cluster RCT. <i>Journal of Science and Medicine in Sport</i> . 2015;1):e75.
16.	Palcic JL, Johnston CA, Stansberry S, et al. Weight Change among Mexican American Students Involved in an Intensive Intervention to Prevent and Treat Obesity. <i>FASEB Journal Conference: Experimental Biology</i> . 2010;24(Meeting Abstracts).
17.	Serge B, Emilie B, Nelly A, et al. Effectiveness of three overweight and obesity prevention strategies in high school adolescents. the pralimap controlled cluster randomised trial. <i>Obes Rev</i> . 2011;1):65-66.

18. Shneid Schuh DS, Pellanda LP, Ribas MR, et al. Healthy School, Happy School: Randomized clinical trial designed to stop obesity in children. *European Heart Journal*. 2016;37 (Supplement 1):550.
19. Simon C, Schweitzer B, Draï J, et al. Overweight prevention in adolescents by increasing physical activity: 6-year results of the randomized ICAPS study. *Obes Rev*. 2011;1):26.
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22. Tatrai-Nemeth K. Community approach of preventing childhood obesity: the first community based large-scale intervention pilot programme in Hungary based on the EPODE methodology. *Annals of Nutrition and Metabolism*. 2015;67:18-19.
23. Viggiano E, Viggiano A, Vicidomini C, et al. Kaledo, a new educational board-game for nutrition education: Cluster randomized trial of healthy lifestyle promotion. *Obes Facts*. 2012;1):260.
24. Xu F, Wang Z, Ye Q, et al. Policy-oriented, school-based physical activity intervention to prevent childhood obesity in China (the health legacy project of the second Summer Youth Olympic Games): A cluster randomised trial. *The Lancet Diabetes and Endocrinology*. 2016;ISSUE 3):S9.

#### **Dissertation (n=4)**

1. Bauer KW. The family environment and adolescent girls' weight and weight-related behaviors: Implications for obesity prevention programs. *Dissertation Abstracts International: Section B: The Sciences and Engineering*. 2011;71(7-B):4205.
2. Foster LK. Examining the physical and mental health effects of an obesity prevention program in high risk adolescent females: A pilot study. *Dissertation Abstracts International Section A: Humanities and Social Sciences*. 2015;75(7-A(E)):No Pagination Specified.
3. Ritchie T. Evaluation of the Impact of the Creating Opportunity for Personal Empowerment (COPE) Healthy Lifestyles Thinking, Emotions, Exercise, and Nutrition (TEEN) Program in a Rural High School Health Class, West Virginia University; 2011.
4. Setlow PD. Evaluation of the effectiveness of healthy me a nutritional and exercise program for African American adolescents in an urban school utilizing the cope/teen program. *Dissertation Abstracts International: Section B: The Sciences and Engineering*. 2014;75(3-B(E)):No Pagination Specified.

#### **Duplicate (n=6)**

1. Black MM, Hager ER, Le K, et al. Challenge!: A Mentorship Model of Health Promotion and Obesity Prevention Among Urban, African American Adolescents. *Pediatrics*. 2010;126(2):280-288.
2. Lubans DR, Morgan PJ, Okely AD, et al. Preventing Obesity Among Adolescent Girls. *Arch Pediatr Adolesc Med*. 2012;166(9):821-827.
3. Omorou AY, Langlois J, Lecomte E, Vuillemin A, Briancon S, Group PT. Adolescents' Physical Activity and Sedentary Behavior: A Pathway in Reducing Overweight and Obesity. *The PRALIMAP 2-Year Cluster Randomized Controlled Trial*. *J Phys Act Health*. 2015;12(5):628-635.
4. Whittemore R, Grey M, Jeon S. Internet obesity prevention programs are effective for adolescents. *Diabetes*. 2012;1):A210.
1. Dunker KLL, Claudino AM. Preventing weight-related problems among adolescent girls: A cluster randomized trial comparing the Brazilian 'New Moves' program versus observation. *Obesity Research & Clinical Practice*. 2018;12(1):102-115.
2. Viggiano E, Viggiano A, Di Costanzo A, et al. Healthy lifestyle promotion in primary schools through the board game Kaledo: a pilot cluster randomized trial. *Eur J Pediatr*. 2018;177(9):1371-1375.

#### **Not relevant outcome (n=13)**

1. Abood DA, Black DR, Coster DC. Evaluation of a school-based teen obesity prevention minimal intervention. *J Nutr Educ Behav*. 2008;40(3):168-174.
2. Cottis TB, Durussel-Weston JE, Goldberg CS, Palma-Davis LM, Aaronson SM, Eagle KA. Project healthy schools: a school based health education program to prevent childhood obesity. *Agro Food Ind Hi-Tech*. 2007;18(5):32-34.

3. Durrer D, Schutz Y. ADOS: an educational primary prevention programme for preventing excess body weight in adolescents. *Int J Obes (Lond)*. 2008;32:S72-S76.
4. Lubans D, Syjva K. Controlled evaluation of a physical activity intervention for senior school students: Effects of the lifetime activity program. *J Sport Exerc Psychol*. 2006;28(3):252-268.
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6. Ochoa-Aviles A, Verstraeten R, Huybregts L, et al. A school-based intervention improved dietary intake outcomes and reduced waist circumference in adolescents: a cluster randomized controlled trial. *Nutr J*. 2017;16:12.
7. Omorou AY, Langlois J, Lecomte E, Vuillemin A, Briancon S. Erratum: Adolescents' Physical Activity and Sedentary Behavior: A Pathway in Reducing Overweight and Obesity. The PRALIMAP 2-Year Cluster Randomized Controlled Trial (*Journal of physical activity & health*). *J Phys Act Health*. 2015;12(5):628-635.
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1. Byrne JLS, Wild TC, Maximova K, et al. A brief eHealth tool delivered in primary care to help parents prevent childhood obesity: a randomized controlled trial. *Pediatr Obes*. 2018;13(11):659-667.
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4. Trude ACB, Kharmats AY, Jones-Smith JC, Gittelsohn J. Exposure to a multi-level multi-component childhood obesity prevention community- randomized controlled trial: patterns, determinants, and implications. *Trials*. 2018;19.

#### **Not in English (n=10)**

1. Eichhorn C, Bodner L, Liebl S, et al. BEO'S - Physical Activity and Healthy Eating at Schools in Oberfranken, Bavaria Concept and First Results of a Resource-Oriented, Systemic Approach in School-Based Health Promotion. *Gesundheitswesen*. 2012;74(2):104-111.
2. Grao-Cruces A, Nuviala A, Fernandez-Martinez A. Assessment of the Sport Schools program: Body composition, physical activity and cardiorespiratory fitness in adolescents. *Retos*. 2015(27):105-108.
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4. Kain J, Leyton B, Concha F, Salazar G, Lobos L, Vio F. Effect of counselling school teachers on healthy lifestyle on the impact of a program to reduce childhood obesity. *Rev Medica Chile*. 2010;138(2):181-187.
5. Kain J, Uauy R, Leyton B, Cerda R, Olivares S, Vio F. Effectiveness of a dietary and physical activity intervention to prevent obesity in school age children. *Rev Medica Chile*. 2008;136(1):22-30.
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ACTIVITY IN STUDENTS ATTENDING PUBLIC ELEMENTARY SCHOOLS OF MEXICO. *Nutr Hosp.* 2014;30(3):552-561.

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**Not relevant population (n=52)**

1. Branscum P, Sharma M, Leigh Wang L, Wilson BRA, Rojas-Guyler L. A true challenge for any superhero: An evaluation of a comic book obesity prevention program. *Family and Community Health.* 2013;36(1):63-76.

2. Bruss MB, Michael TJ, Morris JR, et al. Childhood obesity prevention: an intervention targeting primary caregivers of school children. *Obesity (Silver Spring).* 2010;18(1):99-107.

3. Byrd-Bredbenner C, Worobey J, Martin-Biggers J, Hongu N, Hernandez G. HomeStyles: Shaping Home Environments and Lifestyle Practices to Prevent Childhood Obesity: A Randomized Controlled Trial. *J Nutr Educ Behav.* 2015;47(4):S99-S99.

4. Carrel AL, Clark RR, Peterson SE, Nemeth BA, Sullivan J, Allen DB. Improvement of fitness, body composition, and insulin sensitivity in overweight children in a school-based exercise program - A randomized, controlled study. *Arch Pediatr Adolesc Med.* 2005;159(10):963-968.

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#### Not a RCT (n=34)

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