Rev Esp Nutr Hum Diet. 2022; 26(3).

doi: https://doi.org/10.14306/renhyd.26.3.1680 [ahead of print]

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## Revista Española de Nutrición Humana y Dietética

**Spanish Journal of Human Nutrition and Dietetics** 

SUPPLEMENTARY MATERIAL versión post-print

Esta es la versión revisada por pares aceptada para publicación. El artículo puede recibir modificaciones de estilo y de formato.

<u>Information and communication technologies vs. traditional approaches targeting parents to improve healthy diet or body mass</u> index in preschoolers

| Tab | Table of excluded studies  |  |   |  |  |
|-----|--|--|---|--|--|
| N°  | Main author and name of study  | PRISMA Flow<br>diagram                               | Reason for exclusion  |  |  |
| 1   | Hammersley M. Investigating the mediators and moderators of child body mass index change in the Time2bHealthy childhood obesity prevention program for parents of preschool-aged children.   | Duplicated record excluded before screeaning.        | Not an intervention to improve healthy diet or Body Mass Index. |  |  |
| 2   | Hammersley M. Time2bHealthy – An online childhood obesity prevention program for preschool-aged children: A randomised controlled trial protocol.  | Duplicated record excluded before screeaning.        | RCT protocol.   |  |  |
| 3   | Toussaint N. A preschool-based intervention for Early Childhood Education and Care (ECEC) teachers in promoting healthy eating and physical activity in toddlers: study protocol of the cluster randomized controlled trial PreSchool@HealthyWeight. | Record excluded after title and abstract screeaning. | RCT protocol.   |  |  |
| 4   | Li B. The CHIRPY DRAGON intervention in preventing obesity in Chinese primary-schoolaged children: A cluster-randomised controlled trial.  | Record excluded after title and abstract screeaning. | Not focused on target group.                                    |  |  |
| 5   | Beckerman J. Communities for healthy living (CHL) - A family-centered childhood obesity prevention program integrated into Head Start services: Study protocol for a pragmatic cluster randomized trial.   | Record excluded after title and abstract screeaning. | RCT protocol.   |  |  |
| 6   | Ling J. Dose-Response Relationship in a Healthy Habits Study for Head Start Preschoolers.  | Record excluded after title and abstract screeaning. | Full-text or open access was not found.                         |  |  |
| 7   | Ngan H. Childhood overweight and obesity amongst primary school children in Hai Phong City, Vietnam.   | Record excluded after title and abstract screeaning. | Not focused on target group.                                    |  |  |
| 8   | Haycraft E. Maternal feeding practices and children's eating behaviours: A comparison of mothers with healthy weight versus overweight/obesity   | Record excluded after title and abstract screeaning. | Not focused on target group.                                    |  |  |
| 9   | Hennink-Kaminski H. Parent and child care provider partnerships: Protocol for the Healthy Me, Healthy We (HMHW) cluster randomized control trial.  | Record excluded after title and abstract screeaning. | RCT protocol.   |  |  |

| 10 | Williams A. Dietary outcomes of overweight fathers and their children in the Healthy    | Record excluded      | Full-text or open access |
|----|---|----------------------|--------------------------|
|    | Dads, Healthy Kids community randomised controlled trial.                               | after title and      | was not found.           |
|    |   | abstract screeaning. |                          |
| 11 | Heerman W. Validity of the toddler feeding questionnaire for measuring parent           | Record excluded      | Not an intervention to   |
|    | authoritative and indulgent feeding practices which are associated with stress and      | after title and      | improve healthy diet or  |
|    | health literacy among Latino parents of preschool children.                             | abstract screeaning. | Body Mass Index.         |
| 12 | Zoellner J. A comparative effectiveness trial of two family-based childhood obesity     | Record excluded      | Not focused on target    |
|    | treatment programs in a medically underserved region: Rationale, design & methods.      | after title and      | group.                   |
|    |   | abstract screeaning. |                          |
| 13 | Brophy-Herb H. Effectiveness of differing levels of support for family meals on obesity | Record excluded      | Not an intervention to   |
|    | prevention among head start preschoolers: the simply dinner study.                      | after title and      | improve healthy diet or  |
|    |   | abstract screeaning. | Body Mass Index.         |
| 14 | Bansilal S. Rationale and Design of Family-Based Approach in a Minority Community       | Record excluded      | Not an intervention to   |
|    | Integrating Systems-Biology for Promotion of Health (FAMILIA).                          | after title and      | improve healthy diet or  |
|    |   | abstract screeaning. | Body Mass Index.         |
| 15 | Goni L. A Remote Nutritional Intervention to Change the Dietary Habits of Patients      | Record excluded      | Not focused on target    |
|    | Undergoing Ablation of Atrial Fibrillation: Randomized Controlled Trial.                | after title and      | group.                   |
|    |   | abstract screeaning. |                          |
| 16 | Melo P. Descriptive Study of Children's Nutritional Status and Identification of        | Record excluded      | Not an intervention to   |
|    | Community-Level Nursing Diagnoses in a School Community in Africa.                      | after title and      | improve healthy diet or  |
|    |   | abstract screeaning. | Body Mass Index.         |
| 17 | Lessard L. The health status of the early care and education workforce in the USA: a    | Record excluded      | Not focused on target    |
|    | scoping review of the evidence and current practice.                                    | after title and      | group.                   |
|    |   | abstract screeaning. |                          |
| 18 | Diószegi J. Genetic Background of Taste Perception, Taste Preferences, and Its          | Record excluded      | Not an intervention to   |
|    | Nutritional Implications: A Systematic Review.  | after title and      | improve healthy diet or  |
|    |   | abstract screeaning. | Body Mass Index.         |
| 19 | Bradbury D. Multiple stakeholder views of pre-school child weight management            | Record excluded      | Not an intervention to   |
|    | practices: A mixed-methods study.   | after title and      | improve healthy diet or  |
|    |   | abstract screeaning. | Body Mass Index.         |

| 20 | Salinas J. Physical activity change after a promotora-led intervention in low-income    | Record excluded      | Not focused on target   |
|----|---|----------------------|-------------------------|
|    | Mexican American women residing in South Texas.   | after title and      | group.                  |
|    |   | abstract screeaning. |                         |
| 21 | Manios Y. A school-and community-based intervention to promote healthy lifestyle        | Record excluded      | Not an intervention to  |
|    | and prevent type 2 diabetes in vulnerable families across Europe: design and            | after title and      | improve healthy diet or |
|    | implementation of the Feel4Diabetes-study.  | abstract screeaning. | Body Mass Index.        |
| 22 | Lehto E. Increased health and wellbeing in preschools (DAGIS) study—Differences in      | Record excluded      | Not an intervention to  |
|    | children's energy balance-related behaviors (EBRBs) and in long-term stress by          | after title and      | improve healthy diet or |
|    | parental educational level.   | abstract screeaning. | Body Mass Index.        |
| 23 | Briones N. Do children with obesity have worse table manners? Associations between      | Record excluded      | Not an intervention to  |
|    | child table manners, weight status and weight gain.                                     | after title and      | improve healthy diet or |
|    |   | abstract screeaning. | Body Mass Index.        |
| 24 | Bernardo G. Nutrition and Culinary in the Kitchen Program: A randomized controlled      | Record excluded      | Not focused on target   |
|    | intervention to promote cooking skills and healthy eating in university students -      | after title and      | group.                  |
|    | Study protocol.   | abstract screeaning. |                         |
| 25 | Miyajima A. Development of an intervention programme for selective eating in            | Record excluded      | Not focused on target   |
|    | children with autism spectrum disorder.   | after title and      | group.                  |
|    |   | abstract screeaning. |                         |
| 26 | Henriksson H. MINISTOP 2.0: a smartphone app integrated in primary child health         | Record excluded      | Protocol.               |
|    | care to promote healthy diet and physical activity behaviours and prevent obesity in    | after title and      |                         |
|    | preschool-aged children: protocol for a hybrid design effectiveness-implementation      | abstract screeaning. |                         |
|    | study.  |                      |                         |
| 27 | Kovalskys I. Study Protocol of MINI SALTEN: a technology-based multi-component          | Record excluded      | Protocol.               |
|    | intervention in the school environment targeting healthy habits of first grade children | after title and      |                         |
|    | and their parents.  | abstract screeaning. |                         |
| 28 | Carson V. Cross-sectional associations between sleep duration, sedentary time,          | Record excluded      | Not an intervention to  |
|    | physical activity, and adiposity indicators among Canadian preschool-aged children      | after title and      | improve healthy diet or |
|    | using compositional analyses.   | abstract screeaning. | Body Mass Index.        |
| 29 | Krystia O. A randomized home-based childhood obesity prevention pilot intervention      | Record excluded      | Pilot.                  |
|    | has favourable effects on parental body composition: preliminary evidence from the      | after title and      |                         |
|    | Guelph Family Health Study.   | abstract screeaning. |                         |

| 30 | Swindle T. Stakeholder selected strategies for obesity prevention in childcare: results | Record excluded                       | Not focused on target   |
|----|---|---------------------------------------|-------------------------|
|    | from a small-scale cluster randomized hybrid type III trial.                            | after title and                       | group.                  |
|    |   | abstract screeaning.                  |                         |
| 31 | Sandvik P. Picky eating in Swedish preschoolers of different weight status: application | Record excluded                       | Not an intervention to  |
|    | of two new screening cut-offs.  | after title and                       | improve healthy diet or |
|    |   | abstract screeaning.                  | Body Mass Index.        |
| 32 | Ceretti E. Results from the European Union MAPEC_LIFE cohort study on air pollution     | Record excluded                       | Not an intervention to  |
|    | and chromosomal damage in children: are public health policies sufficiently             | after title and                       | improve healthy diet or |
|    | protective?   | abstract screeaning.                  | Body Mass Index.        |
| 33 | Garcia K. Stability in the feeding practices and styles of low-income mothers:          | Record excluded                       | Not an intervention to  |
|    | questionnaire and observational analyses.   | after title and                       | improve healthy diet or |
|    |   | abstract screeaning.                  | Body Mass Index.        |
| 34 | Calayugan M. Zinc-Biofortified Rice: A Sustainable Food-Based Product for Fighting      | Record excluded                       | Not an intervention to  |
|    | Zinc Malnutrition.  | after title and                       | improve healthy diet or |
|    |   | abstract screeaning.                  | Body Mass Index.        |
| 35 | Lotto M. Parental-oriented educational mobile messages to aid in the control of early   | Record excluded                       | Not an intervention to  |
|    | childhood caries in low socioeconomic children: a randomized controlled trial.          | after title and                       | improve healthy diet or |
|    |   | abstract screeaning.                  | Body Mass Index.        |
| 36 | Lachman J. Preventing child mental health problems through parenting interventions      | Record excluded                       | Not an intervention to  |
|    | in Southeastern Europe (RISE): protocol for a multi-country cluster randomized          | after title and                       | improve healthy diet or |
|    | factorial study.  | abstract screeaning.                  | Body Mass Index.        |
| 37 | Jiang S. Motivational interviewing to prevent early childhood caries: A randomized      | Record excluded                       | Not an intervention to  |
|    | controlled trial.   | after title and                       | improve healthy diet or |
|    |   | abstract screeaning.                  | Body Mass Index.        |
| 38 | Feldmann J. ReSi: evaluation of a Program for Competency Training and Prevention of     | Record excluded                       | Not an intervention to  |
|    | Sexual Abuse in Kindergarten.   | after title and                       | improve healthy diet or |
|    |   | abstract screeaning.                  | Body Mass Index.        |
| 39 | Zhou N. Social story-based oral health promotion for preschool children with special    | Record excluded                       | Not an intervention to  |
|    | healthcare needs: A 24-month randomized controlled trial.                               | after title and                       | improve healthy diet or |
|    |   | abstract screeaning.                  | Body Mass Index.        |
|    |   | · · · · · · · · · · · · · · · · · · · | •                       |

| 40 | Vpk V. Effectiveness of different parenting interventions on oral hygiene of cerebral    | Record excluded      | Not an intervention to  |
|----|--|----------------------|-------------------------|
|    | palsy children: A randomized controlled trial.   | after title and      | improve healthy diet or |
|    |  | abstract screeaning. | Body Mass Index.        |
| 41 | Bermejo E. An exploratory trial of a health education programme to promote healthy       | Record excluded      | Protocol.               |
|    | lifestyles through social and emotional competence in young children: Study protocol.    | after title and      |                         |
|    |  | abstract screeaning. |                         |
| 42 | Forehand R. Do parental ADHD symptoms reduce the efficacy of parent training for         | Record excluded      | Not an intervention to  |
|    | preschool ADHD? A secondary analysis of a randomized controlled trial.                   | after title and      | improve healthy diet or |
|    |  | abstract screeaning. | Body Mass Index.        |
| 43 | Sourander A. Two-year follow-up of internet and telephone assisted parent training       | Record excluded      | Not an intervention to  |
|    | for disruptive behavior at age 4.  | after title and      | improve healthy diet or |
|    |  | abstract screeaning. | Body Mass Index.        |
| 44 | Mahmudiono T. The effectiveness of nutrition education for overweight/obese              | Record excluded      | Not focused on target   |
|    | mother with stunted children (NEO-MOM) in reducing the double burden of                  | after title and      | group.                  |
|    | malnutrition.  | abstract screeaning. |                         |
| 45 | Lee R. Design and methodology of a cluster-randomized trial in early care and            | Record excluded      | Not an intervention to  |
|    | education centers to meet physical activity guidelines: Sustainability via Active        | after title and      | improve healthy diet or |
|    | Garden Education (SAGE).   | abstract screeaning. | Body Mass Index.        |
| 46 | Muñóz P. Effectiveness of fluoride varnish in preventing early childhood caries in rural | Record excluded      | Not an intervention to  |
|    | areas without access to fluoridated drinking water: A randomized control trial.          | after title and      | improve healthy diet or |
|    |  | abstract screeaning. | Body Mass Index.        |
| 47 | Gielen A. Results of an RCT in two pediatric emergency departments to evaluate the       | Record excluded      | Not an intervention to  |
|    | efficacy of an m-health educational app on car seat use.                                 | after title and      | improve healthy diet or |
|    |  | abstract screeaning. | Body Mass Index.        |
| 48 | Guo N. Effect of hand washing and personal hygiene on hand food mouth disease: A         | Record excluded      | Not an intervention to  |
|    | community intervention study.  | after title and      | improve healthy diet or |
|    |  | abstract screeaning. | Body Mass Index.        |
| 49 | Ginn N. Child-directed interaction training for young children with autism spectrum      | Record excluded      | Not focused on target   |
|    | disorders: Parent and child outcomes.  | after title and      | group.                  |
|    |  | abstract screeaning. |                         |

| 50 | Wang Y. A randomised safety promotion intervention trial among low-income               | Record excluded      | Not an intervention to  |
|----|---|----------------------|-------------------------|
|    | families with toddlers.   | after title and      | improve healthy diet or |
|    |   | abstract screeaning. | Body Mass Index.        |
| 51 | Tsai S. Behavioral-educational sleep interventions for pediatric epilepsy: a            | Record excluded      | Not focused on target   |
|    | randomized controlled trial   | after title and      | group.                  |
|    |   | abstract screeaning. |                         |
| 52 | Wright J. Tailored communications for obesity prevention in pediatric primary care: a   | Record excluded      | Not an intervention to  |
|    | feasibility study.  | after title and      | improve healthy diet or |
|    |   | abstract screeaning. | Body Mass Index.        |
| 53 | De Craemer M. Effect and process evaluation of a kindergarten-based, family-            | Record excluded      | Not an intervention to  |
|    | involved cluster randomised controlled trial in six European countries on four-to six-  | after title and      | improve healthy diet or |
|    | year-old children's steps per day: the ToyBox-study.                                    | abstract screeaning. | Body Mass Index.        |
| 54 | Churchill S. One year follow-up of outcomes from the randomized clinical trial of the   | Record excluded      | Not focused on target   |
|    | Building on Family Strengths Program.   | after title and      | group.                  |
|    |   | abstract screeaning. |                         |
| 55 | Li C. Medication Education for Dosing Safety: A Randomized Controlled Trial.            | Record excluded      | Not an intervention to  |
|    |   | after title and      | improve healthy diet or |
|    |   | abstract screeaning. | Body Mass Index.        |
| 56 | Huntington C. On-line preparatory information for children and their families           | Record excluded      | Not an intervention to  |
|    | undergoing dental extractions under general anesthesia: A phase III randomized          | after title and      | improve healthy diet or |
|    | controlled trial.   | abstract screeaning. | Body Mass Index.        |
| 57 | Mlinda S. The effect of a practical nutrition education programme on feeding skills of  | Record excluded      | Not focused on target   |
|    | caregivers of children with cerebral palsy at Muhimbili National Hospital, in Tanzania. | after title and      | group.                  |
|    |   | abstract screeaning. |                         |
| 58 | Luo R. Using community health workers to deliver a scalable integrated parenting        | Record excluded      | Not focused on target   |
|    | program in rural China: A cluster-randomized controlled trial.                          | after title and      | group.                  |
|    |   | abstract screeaning. |                         |
| 59 | Azor E. Effectiveness of a hand hygiene program at child care centers: a cluster        | Record excluded      | Not an intervention to  |
|    | randomized trial.   | after title and      | improve healthy diet or |
|    |   | abstract screeaning. | Body Mass Index.        |

| 60 | Divecha C. Parental knowledge and attitudes regarding asthma in their children:         | Record excluded      | Not an intervention to  |
|----|---|----------------------|-------------------------|
|    | Impact of an educational intervention in an Indian population                           | after title and      | improve healthy diet or |
|    |   | abstract screeaning. | Body Mass Index.        |
| 61 | Alsem M. Parental empowerment in paediatric rehabilitation: Exploring the role of a     | Record excluded      | Not an intervention to  |
|    | digital tool to help parents prepare for consultation with a physician.                 | after title and      | improve healthy diet or |
|    |   | abstract screeaning. | Body Mass Index.        |
| 62 | Lepley B. Randomized controlled trial of acute illness educational intervention in the  | Record excluded      | Not an intervention to  |
|    | pediatric emergency department: written versus application-based education.             | after title and      | improve healthy diet or |
|    |   | abstract screeaning. | Body Mass Index.        |
| 63 | Rice T. Parental knowledge of concussion: Evaluation of the CDC's "Heads up to          | Record excluded      | Not an intervention to  |
|    | parents" educational initiative.  | after title and      | improve healthy diet or |
|    |   | abstract screeaning. | Body Mass Index.        |
| 64 | Dekker A. Effectiveness of general practitioner online training and an information      | Record excluded      | Not an intervention to  |
|    | booklet for parents on antibiotic prescribing for children with respiratory tract       | after title and      | improve healthy diet or |
|    | infection in primary care: a cluster randomized controlled trial.                       | abstract screeaning. | Body Mass Index.        |
| 65 | Thomas K. Fostering activation among Latino parents of children with mental health      | Record excluded      | Not an intervention to  |
|    | needs: an RCT.  | after title and      | improve healthy diet or |
|    |   | abstract screeaning. | Body Mass Index.        |
| 66 | Borrelli B. Smokers who are unmotivated to quit and have a child with asthma are        | Record excluded      | Not an intervention to  |
|    | more likely to quit with intensive motivational interviewing and repeated biomarker     | after title and      | improve healthy diet or |
|    | feedback.   | abstract screeaning. | Body Mass Index.        |
| 67 | Endrighi R. Parental depression is prospectively associated with lower smoking          | Record excluded      | Not an intervention to  |
|    | cessation rates and poor child asthma outcomes.   | after title and      | improve healthy diet or |
|    |   | abstract screeaning. | Body Mass Index.        |
| 68 | Mvumbi P. Adherence to the referral advice after introduction of rectal artesunate for  | Record excluded      | Not an intervention to  |
|    | pre-referral treatment of severe malaria at the community level: a noninferiority trial | after title and      | improve healthy diet or |
|    | in the Democratic Republic of the Congo.  | abstract screeaning. | Body Mass Index.        |
| 69 | Broendum E. Barriers for recruitment of patients with chronic obstructive pulmonary     | Record excluded      | Not an intervention to  |
|    | disease to a controlled telemedicine trial.   | after title and      | improve healthy diet or |
|    |   | abstract screeaning. | Body Mass Index.        |

| control in multi-ethnic patients with type 2 diabetes in Malaysia - Subnational analysis of the Joint Asia Diabetes Evaluation (JADE) Register.  Taylor A. Adding web-based behavioural support to exercise referral schemes for inactive adults with chronic health conditions: the e-coachER RCT.  Sun Y. The clinical effects of a new management mode for hypertensive patients: a randomized controlled trial.  Sun Y. The clinical effects of a new management mode for hypertensive patients: a randomized controlled trial.  Record excluded after title and abstract screeaning.                    |                         |
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| of the Joint Asia Diabetes Evaluation (JADE) Register.  Taylor A. Adding web-based behavioural support to exercise referral schemes for inactive adults with chronic health conditions: the e-coachER RCT.  Sun Y. The clinical effects of a new management mode for hypertensive patients: a randomized controlled trial.  Sun Y. The clinical effects of a new management mode for hypertensive patients: a after title and abstract screeaning.  Record excluded after title and abstract screeaning.   | Not an intervention to  |
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| abstract screeaning.  72 Sun Y. The clinical effects of a new management mode for hypertensive patients: a randomized controlled trial.  73 Kaufman J. Face-to-face interventions for informing or educating parents about early childhood vaccination.  74 Graham A. School dental screening programmes for oral health: Cochrane systematic review  75 Skelton K. Garden-based interventions and early childhood health: an umbrella review.  76 Ward D. Keys to healthy family child care homes: Results from a cluster randomized trial.  77 Van de Kolk, I. Systematic review of interventions in the childcare setting with direct parental involvement: effectiveness on child weight status and energy balance-related behaviours.  78 Hodder R. Interventions for increasing fruit and vegetable consumption in children  8 Record excluded after title and abstract screeaning.  9 Record excluded after title and abstract screeaning.  9 Record excluded after title and abstract screeaning.  | Not focused on target   |
| 72 Sun Y. The clinical effects of a new management mode for hypertensive patients: a randomized controlled trial.  73 Kaufman J. Face-to-face interventions for informing or educating parents about early childhood vaccination.  74 Graham A. School dental screening programmes for oral health: Cochrane systematic review  75 Skelton K. Garden-based interventions and early childhood health: an umbrella review.  76 Ward D. Keys to healthy family child care homes: Results from a cluster randomized trial.  77 Van de Kolk, I. Systematic review of interventions in the childcare setting with direct parental involvement: effectiveness on child weight status and energy balance-related behaviours.  78 Hodder R. Interventions for increasing fruit and vegetable consumption in children  Record excluded after title and abstract screeaning.  | group.                  |
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| <ul> <li>Ward D. Keys to healthy family child care homes: Results from a cluster randomized trial.</li> <li>Van de Kolk, I. Systematic review of interventions in the childcare setting with direct parental involvement: effectiveness on child weight status and energy balancerelated behaviours.</li> <li>Hodder R. Interventions for increasing fruit and vegetable consumption in children</li> </ul> Record excluded after title and abstract screeaning. Not for a providence of the consumption of the childcare setting with direct and an approvidence of the childcare setting with direct and approvidence after title and abstract screeaning. Record excluded Not for a providence of the children Not for a providence of the children Record excluded Not for a providence of the children Record excluded Not for a providence of the children Not for a providence of the children Record excluded Not for a providence of the children Not for a providence of the children Record excluded Not for a providence of the children Not for a providence of the children Record excluded Not for a providence of the children Not for a providence of the children Record excluded Not for a providence of the children Record excluded Not for a providence of the children Not for  | improve healthy diet or |
| trial.  77 Van de Kolk, I. Systematic review of interventions in the childcare setting with direct parental involvement: effectiveness on child weight status and energy balancerelated behaviours.  78 Hodder R. Interventions for increasing fruit and vegetable consumption in children  after title and abstract screeaning.  Record excluded Not for increasing fruit and vegetable consumption in children   | Body Mass Index.        |
| 77 Van de Kolk, I. Systematic review of interventions in the childcare setting with direct parental involvement: effectiveness on child weight status and energy balance-related behaviours.  78 Hodder R. Interventions for increasing fruit and vegetable consumption in children  abstract screeaning.  Record excluded provided abstract screeaning.  Not for increasing fruit and vegetable consumption in children   | Not focused on target   |
| <ul> <li>77 Van de Kolk, I. Systematic review of interventions in the childcare setting with direct parental involvement: effectiveness on child weight status and energy balance-related behaviours.</li> <li>78 Hodder R. Interventions for increasing fruit and vegetable consumption in children</li> <li>Record excluded after title and abstract screeaning.</li> <li>Record excluded Not for increasing fruit and vegetable consumption in children</li> </ul>  | group.                  |
| parental involvement: effectiveness on child weight status and energy balance- related behaviours.  78 Hodder R. Interventions for increasing fruit and vegetable consumption in children  Record excluded  Not f  |                         |
| related behaviours.  78 Hodder R. Interventions for increasing fruit and vegetable consumption in children  Record excluded  Not for   | Not focused on target   |
| 78 Hodder R. Interventions for increasing fruit and vegetable consumption in children Record excluded Not for  | group.                  |
|  |                         |
| aged five years and under. after title and grou  | Not focused on target   |
|  | group.                  |
| abstract screeaning.   |                         |
| 79 Markham P. Improving nutrition and physical activity environments of family child Record excluded Proto   | Protocol.               |
| care homes: the rationale, design and study protocol of the 'Healthy Start/Comienzos after title and   |                         |
| Sanos' cluster randomized trial. abstract screeaning.  |                         |

| 80 | Nekitsing C. Developing Healthy Food Preferences in Preschool Children Through Taste Exposure, Sensory Learning, and Nutrition Education. | Record excluded after title and | Not an intervention to improve healthy diet or |
|----|---|---------------------------------|--|
|    |   | abstract screeaning.            | Body Mass Index.                               |
| 81 | Mirotta J. Guelph family health Study's home-based obesity prevention intervention  | Record excluded                 | Full-text or open access                       |
|    | increases fibre and fruit intake in preschool-aged children.  | after full text eligibility.    | was not found.                                 |
| 82 | Brown C. A randomized controlled trial examining an exam room poster to prompt  | Record excluded                 | Full-text or open access                       |
|    | communication about weight.   | after full text                 | was not found.                                 |
|    |   | eligibility.                    |  |
| 83 | Heerman W. Competency Based Approach to Community Health (COACH): The   | Record excluded                 | Not an intervention to                         |
|    | methods of a family-centered, community-based, individually adaptive obesity  | after full text                 | improve healthy diet or                        |
|    | randomized trial for pre-school child-parent pairs.   | eligibility.                    | Body Mass Index.                               |
| 84 | Munday K. Implementing a Health and Wellbeing Programme for Children in Early   | Record excluded                 | Not an intervention to                         |
|    | Childhood: A Preliminary Study.   | after full text                 | improve healthy diet or                        |
|    |   | eligibility.                    | Body Mass Index.                               |
| 85 | Jansson A. Integrating smartphone technology, social support and the outdoor built  | Record excluded                 | Not focused on target                          |
|    | environment to promote community-based aerobic and resistance-based physical  | after full text                 | group.   |
|    | activity: Rationale and study protocol for the "ecofit" randomized controlled trial.  | eligibility.                    |  |
| 86 | Järvelä-Reijonen E. The effects of acceptance and commitment therapy on eating  | Record excluded                 | Not focused on target                          |
|    | behavior and diet delivered through face-to-face contact and a mobile app: a  | after full text                 | group.   |
|    | randomized controlled trial.  | eligibility.                    | A1 . C   |
| 87 | Kaur J. Effectiveness of information technology—enabled 'SMART Eating'health  | Record excluded                 | Not focused on target                          |
|    | promotion intervention: A cluster randomized controlled trial.  | after full text                 | group.   |
| 88 | Purno I. A brief allealth tool delivered in primary care to help parents prevent  | eligibility.  Record excluded   | Not focused on target                          |
| 88 | Byrne J. A brief eHealth tool delivered in primary care to help parents prevent   | after full text                 | Not focused on target                          |
|    | childhood obesity: a randomized controlled trial.   |                                 | group.   |
| 89 | Hawkins K. Efficacy of a home-based parent training-focused weight management   | eligibility.  Record excluded   | Pilot study                                    |
| 69 | intervention for preschool children: the DRIVE randomized controlled pilot trial.   | after full text                 | rilot study                                    |
|    | intervention for prescribor children. the Drive randomized controlled pilot trial.  | eligibility.                    |  |
|    |   | engionity.                      |  |

| 90 | Beck A. Randomized controlled trial of a clinic-based intervention to promote healthy beverage consumption among Latino children.   | Record excluded after full text eligibility. | Pilot study |
|----|---|--|-------------|
| 91 | Sun A. Home-based and technology-centered childhood obesity prevention for Chinese mothers with preschool-aged children.  | Record excluded after full text eligibility. | Pilot study |
| 92 | Marsh S. Results of the 3 Pillars Study (3PS), a relationship-based programme targeting parent-child interactions, healthy lifestyle behaviours, and the home environment in parents of preschool-aged children: A pilot randomised controlled trial. | Record excluded after full text eligibility. | Pilot study |
| 93 | Karmali S. Coaching and/or education intervention for parents with overweight/obesity and their children: study protocol of a single-centre randomized controlled trial.  | Record excluded after full text eligibility. | Protocol    |

| Table of risk of bias    |                       |                             |  |
|--------------------------|-----------------------|-----------------------------|--|
| Study                    | Risk of bias category | Risk of bias percentage and | Ítems scored 5 or 0 where 5 is the desired and 0 absent. |
|                          |                       | scoreª                      |  |
| (laia et al., 2017)      | A                     | 205 (82%)                   | Trial design: 5  |
|                          |                       |                             | Interventions: 5   |
|                          |                       |                             | Outcomes: 5  |
|                          |                       |                             | Sample size: 0   |
|                          |                       |                             | Sequence generation: 5                                   |
|                          |                       |                             | Allocation concealment mechanism: 0                      |
|                          |                       |                             | Blinding: 0  |
|                          |                       |                             | Ancillary analyses and harms: 0                          |
|                          |                       |                             | Limitations  |
|                          |                       |                             | Generalisability: 5                                      |
| (Barkin et al., 2018)    | A                     | 235 (94%)                   | Trial design: 5  |
|                          |                       |                             | Interventions: 5   |
|                          |                       |                             | Sample size: 5   |
|                          |                       |                             | Allocation concealment mechanism: 0                      |
|                          |                       |                             | Implementation: 5  |
|                          |                       |                             | Participant flow (a diagram is strongly recommended): 0  |
|                          |                       |                             | Generalisability: 0                                      |
| (Steenbock et al., 2019) | В                     | 185 (74%)                   | Participants: 5  |
|                          |                       |                             | Outcomes: 0  |
|                          |                       |                             | Sample size: 5   |
|                          |                       |                             | Sequence generation: 5                                   |
|                          |                       |                             | Allocation concealment mechanism: 0                      |
|                          |                       |                             | Blinding: 0  |
|                          |                       |                             | Outcomes and estimation: 0                               |
|                          |                       |                             | Generalisability and                                     |
|                          |                       |                             | Interpretation: 5  |
|                          |                       |                             | Harms:0  |
| (Romo et al., 2018)      | В                     | 165 (66%)                   | Title and abstract: 5                                    |
|                          |                       |                             | Trial design: 5  |

| (Nyström et al.,2017)  | A | 215 (86%) | Sample size: 0 Sequence generation and Allocation concealment mechanism: 0 Blinding: 0 Outcomes and estimation: 5 Harms: 0 Participants: 5 Interventions: 5 Implementation: 0 Outcomes and estimation: 5               |
|------------------------|---|-----------|--|
|                        |   |           | Harms: 0   |
| (French et al., 2018)  | A | 205 (82%) | Interventions: 5 Sample size: 0 Allocation concealment mechanism: 0 Implementation: 5 Outcomes and estimation: 5 Ancillary analyses: 5 Generalizability: 5   |
| (Natale et al., 2017)  | В | 170 (68%) | Title and abstract: 5 Interventions: 5 Sample size: 0 Randomization: 5 Allocation concealment mechanism: 0 Implementation: 0 Blinding: 0 Outcomes and estimation: 5 Ancillary analysis: 5 Harms: 0 Generalizability: 5 |
| (Karmali et al., 2020) | В | 185 (74%) | Interventions: 5 Sample size: 0 Randomization: 0   |

| Allocation concealment mechanism: 0 |
|-------------------------------------|
| Blinding: 0                         |
| Outcomes and estimation: 5          |
| Ancillary analyses: 5               |
| Harms: 0                            |

<sup>a</sup>Evaluated based on CONSORT 2010 checklist of information to include when reporting a randomized trial. Scores: 0 points-totally incomplete, 5 points-partially complete, 10 points-totally complete. Score ranking: (A)-low 80 to 100%, (B)-medium 50 to 80%, (C)-high 0 to 50%.