

Title	A scoping review of outcomes commonly reported in obesity prevention interventions aiming to improve obesity-related health behaviors in children to age 5 years
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# **A scoping review of outcomes commonly reported in obesity prevention interventions aiming to improve obesity-related health behaviours in children to age five years**

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**Table S1- Preferred Reporting Items for Systematic reviews and Meta-Analyses extension for Scoping Reviews (PRISMA-ScR) checklist<sup>1</sup>**

SECTION	ITEM	PRISMA-ScR CHECKLIST ITEM	PAGE#
<b>TITLE</b>			
Title	1	Identify the report as a scoping review	Title page
<b>ABSTRACT</b>			
Structured summary	2	Provide a structured summary that includes (as applicable): background, objectives, eligibility criteria, sources of evidence, charting methods, results, and conclusions that relate to the review questions and objectives.	Page 3
<b>INTRODUCTION</b>			
Rationale	3	Describe the rationale for the review in the context of what is already known. Explain why the review questions/objectives lend themselves to a scoping review approach.	Page 4-5
Objectives	4	Provide an explicit statement of the questions and objectives being addressed with reference to their key elements (e.g., population or participants, concepts, and context) or other relevant key elements used to conceptualize the review questions and/or objectives.	Page 5
<b>METHODS</b>			
Protocol and registration	5	Indicate whether a review protocol exists; state if and where it can be accessed (e.g., a Web address); and if available, provide registration information, including the registration number.	Page 5
Eligibility criteria	6	Specify characteristics of the sources of evidence used as eligibility criteria (e.g., years considered, language, and publication status), and provide a rationale.	Page 6-8
Information sources	7	Describe all information sources in the search (e.g., databases with dates of coverage and contact with authors to identify additional sources), as well as the date the most recent search was executed.	Page 6
Search	8	Present the full electronic search strategy for at least 1 database, including any limits used, such that it could be repeated.	Table 1, Table S2
Selection of sources of evidence	9	State the process for selecting sources of evidence (i.e., screening and eligibility) included in the scoping review.	Page 6-8
Data charting process	10	Describe the methods of charting data from the included sources of evidence (e.g., calibrated forms or forms that have been tested by the team before their use, and whether data charting was done independently or in duplicate) and any processes for obtaining and confirming data from investigators.	Page 8
Data items	11	List and define all variables for which data were sought and any assumptions and simplifications made.	Page 8



Critical appraisal of individual sources of evidence	12	If done, provide a rationale for conducting a critical appraisal of included sources of evidence; describe the methods used and how this information was used in any data synthesis (if appropriate).	n/a
Synthesis of results	13	Describe the methods of handling and summarizing the data that were charted.	Page 8-9
<b>RESULTS</b>			
Selection of sources of evidence	14	Give numbers of sources of evidence screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage, ideally using a flow diagram.	Page 10, Figure 1
Characteristics of sources of evidence	15	For each source of evidence, present characteristics for which data were charted and provide the citations.	Page 10
Critical appraisal within sources of evidence	16	If done, present data on critical appraisal of included sources of evidence (see item 12).	n/a
Results of individual sources of evidence	17	For each included source of evidence, present the relevant data that were charted that relate to the review questions and objectives.	Page 9-12, Tables S3-6
Synthesis of results	18	Summarize and/or present the charting results as they relate to the review questions and objectives.	Page 9-12
<b>DISCUSSION</b>			
Summary of evidence	19	Summarize the main results (including an overview of concepts, themes, and types of evidence available), link to the review questions and objectives, and consider the relevance to key groups.	Page 12-16
Limitations	20	Discuss the limitations of the scoping review process.	Page 15-16
Conclusions	21	Provide a general interpretation of the results with respect to the review questions and objectives, as well as potential implications and/or next steps.	Page 16
<b>FUNDING</b>			
Funding	22	Describe sources of funding for the included sources of evidence, as well as sources of funding for the scoping review. Describe the role of the funders of the scoping review.	Title page

**Table S2- Brown et al. <sup>2</sup> search strategy**

<b>Search strategy: Run in OvidMedline, 01 January 2018 - 27 November 2020</b>	
1	exp Obesity/
2	Weight Gain/
3	exp Weight Loss/
4	obes\$.af.
5	(weight gain or weight loss).af.
6	(overweight or over weight or overeat\$ or over eat\$).af.
7	weight change\$.af.
8	((bmi or body mass index) adj2 (gain or loss or change)).af.
9	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8
10	exp Behavior Therapy/
11	social support/
12	exp Psychotherapy, Group/
13	((psychological or behavior?r\$) adj (therapy or modif\$ or strateg\$ or intervention\$)).af.
14	(group therapy or family therapy or cognitive therapy).af.
15	((lifestyle or life style) adj (chang\$ or intervention\$)).af.
16	counsel?ing.af.
17	social support.af.
18	(peer adj2 support).af.
19	(children adj3 parent\$ adj3 therapy).af.
20	10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19
21	exp OBESITY/dh [Diet Therapy]
22	exp Diet Therapy/
23	Fasting/
24	(diets or diet or dieting).af.
25	(diet\$ adj (modif\$ or therapy or intervention\$ or strateg\$)).af.
26	(low calorie or calorie control\$ or healthy eating).af.
27	(fasting or modified fast\$).af.
28	exp Dietary Fats/
29	(fruit or vegetable\$).af.
30	(high fat\$ or low fat\$ or fatty food\$).af.
31	formula diet\$.af.
32	21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31
33	exp Exercise/
34	exp Exercise Therapy/
35	exercis\$.af.
36	(aerobics or physical therapy or physical activity or physical inactivity).af.

37	(fitness adj (class\$ or regime\$ or program\$)).af.
38	(aerobics or physical therapy or physical training or physical education).af.
39	dance therapy.af.
40	sedentary behavior?.af.
41	33 or 34 or 35 or 36 or 37 or 38 or 39 or 40
42	exp Complementary Therapies/
43	(alternative medicine or complementary therap\$ or complementary medicine).af.
44	(hypnotism or hypnosis or hypnotherapy).af.
45	(acupuncture or homeopathy or homoeopathy).af.
46	(chinese medicine or indian medicine or herbal medicine or ayurvedic).af.
47	42 or 43 or 44 or 45 or 46
48	((diet or dieting or slim\$) adj (club\$ or organi?ation)).af.
49	(weightwatcher\$ or weight watcher\$).af.
50	(correspondence adj (course\$ or program\$)).af.
51	(fat camp\$ or diet\$ camp\$).af.
52	48 or 49 or 50 or 51
53	exp Health Promotion/
54	exp Health Education/
55	(health promotion or health education).af.
56	(media intervention\$ or community intervention\$).af.
57	health promoting school\$.af.
58	((school or community) adj2 program\$).af.
59	((school or community) adj2 intervention\$).af.
60	(family intervention\$ or parent\$ intervention).af.
61	(parent\$ adj2 (behavior?r or involve\$ or control\$ or attitude\$ or educat\$)).af.
62	53 or 54 or 55 or 56 or 57 or 58 or 59 or 60 or 61
63	exp Health Policy/
64	(health polic\$ or school polic\$ or food polic\$ or nutrition polic\$).af.
65	63 or 64
66	exp OBESITY/pc [Prevention and Control]
67	exp Primary Prevention/
68	(primary prevention or secondary prevention).af.
69	(preventive measure\$ or preventative measure\$).af.
70	(preventive care or preventative care).af.
71	(obesity adj2 (prevent\$ or treat\$)).af.
72	66 or 67 or 68 or 69 or 70 or 71
73	randomized controlled trial.pt.

74	controlled clinical trial.pt.
75	Random Allocation/
76	Double Blind Method/
77	single blind method/
78	Placebos/
79	*Research Design/
80	intervention studies/
81	evaluation studies/
82	Comparative Study/
83	exp Longitudinal Studies/
84	cross over studies/
85	clinical trial.tw.
86	clinical trial.pt.
87	latin square.tw.
88	(time adj series).tw.
89	(before adj2 after adj3 (stud\$ or trial\$ or design\$)).tw.
90	((singl\$ or doubl\$ or trebl\$ or tripl\$) adj5 (blind\$ or mask)).tw.
91	placebo\$.tw.
92	random\$.tw.
93	(matched communities or matched schools or matched populations).tw.
94	control\$.tw.
95	(comparison group\$ or control group\$).tw.
96	matched pairs.tw.
97	(outcome study or outcome studies).tw.
98	(quasiexperimental or quasi experimental or pseudo experimental).tw.
99	(nonrandomi?ed or non randomi?ed or pseudo randomi?ed or quasi randomi?ed).tw.
100	prospectiv\$.tw.
101	volunteer\$.tw.
102	73 or 74 or 75 or 76 or 77 or 78 or 79 or 80 or 81 or 82 or 83 or 84 or 85 or 86 or 87 or 88 or 89 or 90 or 91 or 92 or 93 or 94 or 95 or 96 or 97 or 98 or 99 or 100 or 101
103	20 or 32 or 41 or 47 or 52 or 62 or 65 or 72
104	9 and 102 and 103
105	Animals/
106	exp Child/
107	Adolescent/
108	exp Infant/
109	(child\$ or adolescen\$ or infant\$).af.

110	(teenage\$ or young people or young person or young adult\$).af.
111	(schoolchildren or school children).af.
112	(pediatr\$ or paediatr\$).af.
113	(boys or girls or youth or youths).af.
114	106 or 107 or 108 or 109 or 110 or 111 or 112 or 113
115	104 not 105
116	114 and 115
117	limit 116 to yr="2018-Current"

Source: Brown et al. <sup>2</sup>

**Table S3 – Characteristics of included studies**

	<b>Study title</b>	<b>Trial ID</b>	<b>Study type</b>	<b>Country</b>	<b>Behaviour focused on</b>	<b>Setting</b>	<b>Min. inclusion age</b>	<b>Int. delivered by</b>	<b>Int. duration</b>	<b>Brief description of intervention/s</b>	<b>Brief description of control</b>
<sup>1</sup>	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children <sup>3</sup>	ISRCTN09910187	2 arm pilot RCT	UK	Nutrition/feeding	Home	2Y	Researcher	8W	4 fortnightly-visits to the home, intervention focus on habit-formation and feeding.	No-treatment.
<sup>2</sup>	Movement and Activity Glasgow Intervention in Children (MAGIC) <sup>4</sup>	ISRCTN36363490	2 arm RCT	UK	PA	ECEC Home	3Y	ECEC staff	24W	Enhanced physical activity programme in nurseryplus home based health education aimed at increasing physical activity through play and reducing sedentary behaviour.	Standard nursery curriculum.
<sup>3</sup>	Primary prevention of childhood obesity at child health centres (PRIMROSE) <sup>5</sup>	ISRCTN16991919	2 arm RCT	Sweden	Multi	MCHC Home	9-10M	MCHN	3-4Y	Individual home consultation on health behaviour (focusing on eating and physical activity habits) when child is 8-9 months of age, a group consultation at 11 months of age held at the child health centre, and thereafter individual consultations on health behaviour at the child health centre when child is 1 year, 1.5 years, 2 years, 3 years, and 4 years old.	Traditional health check-ups at similar ages, with no systematic efforts made to elicit and reinforce motivation for and commitment to behaviour change.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age category	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
4	Reduction of food-related fears and promotion of healthy dietary habits in children <sup>6</sup>	ISRCTN74823448	2 arm RCT	Norway	Nutrition/feeding	ECEC	2Y	ECEC staff	9W	Nine week multi-component pedagogical, meal and food serving intervention in kindergarten on food, tasting and responsive feeding.	Usual pedagogical sessions, meals and food serving and the parents will not receive any information.
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial	ChiCTR-TRC-12001880	2 arm RCT	China	Nutrition/feeding	ECEC	3Y	NCS	NCS	Family leaflets, behaviour card.	No intervention.
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in pre-schoolers (ABC) <sup>7</sup>	ISRCTN94021291	3 arm RCT	Canada	PA	ECEC Home	3Y	ECEC staff	6M	ABC intervention in licensed daycare settings only. ABC intervention in daycare plus parent/carer home component.	Standard daycare curriculum. Controls will receive all ABC programming and related resources after completion of the study.
7	Increasing vegetable intake in children <sup>8</sup>	NCT02216968	2 arm RCT	USA	Nutrition/feeding	ECEC Home	3Y	Video	4W	Puppet shows and ingredient bags to help in preparing a weekly highlighted vegetable.	No intervention.
8	Prevention of obesity in children	IRCT2016012626078N2	2 arm RCT	Iran	Multi	ECEC	4Y	NCS	NCS	Educational intervention (training classes) based on social cognitive theory and the theory of family systems (parenting skills and practices).	No intervention. Controls will receive training sessions based on a healthy lifestyle after completion of the study.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
9	Dundee Family Health Study 4H (Healthy Habits, Happy Homes Scotland) <sup>9</sup>	ISRCTN13385965	2 arm RCT	UK	Multi	Home	2Y	Researcher	6M	Four visits to the home over six months, motivational interviewing to support families to make positive lifestyle changes linked to sleep, PA, screen time and family meal routine.	Emailed general healthy lifestyle information linked to sleep routine, family meals, physical activity and screen time.
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy	NCT03668678	2 arm RCT	USA	Multi	ECEC	3Y	ECEC staff	6-8W	Nutrition and PA curriculum in ECEC, informational newsletters for parents.	Standard curriculum.
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada) <sup>10</sup>	ISRCTN13308752	2 arm RCT	Canada	Multi	PHC	Prenatal	HC Internet	5Y	The intervention will be provided in four phases: (1) preconception, (2) pregnancy, (3) infancy [0-2 years], and (4) early childhood [3-5 years]. Each phase has time-sensitive goals based on child obesity risk factor meta-analyses and comparable to the international HeLTI studies.	Standard care and access to an e-health cloud platform that includes web-based resources that pertains to injury prevention and child safety only.
12	A Three Arm RCT of Communicating Healthy Beginnings Advice by Telephone to Mothers with Infants to Prevent Childhood Obesity (CHAT) <sup>11</sup>	ACTRN12616001470482	3 arm RCT	Australia	Multi	Home Community	Prenatal	Researcher	26M	Staged intervention corresponding to milestones in development (healthy feeding practices, nutrition and play as well as parent-child interactions).	Usual care, mailed home safety materials and a newsletter on safety.



	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service (SMS) in preventing obesity of children aged 2-3 years (Linked CHAT) <sup>12</sup>	ACTRN12618001571268	2 arm RCT	Australia	Multi	Home Community	22M	HC	1Y	Three support sessions scheduled for 24-26, 28-30 and 32-34 months of the child's age. The support sessions will include a telephone consultation with advice focussed on child feeding practices, physical activity and screen-time and developmental milestones. The advice from the consultation will be reinforced through SMS messages (two SMS messages per week for the next eight weeks) and a mail-out of written information.	Usual care, mailed home safety materials and a newsletter on safety.
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.	ACTRN12619001019190	2 arm RCT	Australia	Multi	Group Community	5Y	Facilitator	3M	Behavioural parenting and lifestyle intervention comprising of an 8 x 2 hour weekly group sessions (plus 2 boosters at 3 months follow-up). (NSW Go4Fun® program)	Usual care, self-directed access to and utilisation of parenting and child health services.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
15	Baby Milk Study: establishing a healthy growth trajectory from birth <sup>13</sup>	ISRCTN20814693	2 arm RCT	UK	Nutrition/feeding	Community	2W	Facilitator	6M	3 face-to-face contacts (at baby's ages 2, 4 and 6 months) and 2 telephone contacts (at 3 and 5 months) in addition to theory-based intervention leaflets (at 2 and 4 months), aiming to help motivate, translate motivation into action and cope with barriers to feeding babies.	The same contacts as the intervention group, during which general information about formula-milk feeding and infant health will be discussed.
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants <sup>14</sup>	ACTRN12617001298303	2 arm RCT	Australia	PA	Group	1W	HC Internet	4W	Weekly tummy time group exercise class, internet support group.	The control group will be given usual care which is their usual early childhood mothers group sessions.
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood <sup>15</sup>	ISRCTN13601567	2 arm RCT	Norway	Nutrition/feeding	Internet	3M	Internet	6M	Website, which provides information relating to beneficial parental feeding practices, diet quality and how to make healthy and age-appropriate homemade baby food in the weaning period, monthly e-mail with an age-dependent link to the website until the child is one year old. The intervention lasts for six months.	Usual care at community child health centres, and no access to the web intervention.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare <sup>16</sup>	ACTRN12618000133235	2 arm RCT	Australia	Nutrition/feeding	ECEC mHealth	3Y	mHealth	16W	Push messages addressing barriers to packing healthier food in lunchboxes, a list of recommended and not recommended lunchbox foods, support for ECEC setting to ensure consistency between lunchbox guidelines and the lunchbox recommendations within the app.	The control group will not receive any support from the research team and will continue to access the app without additional lunchbox content. Control services will receive support to improve packing of lunchboxes after the intervention period.
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland <sup>17</sup>	ISRCTN12831555	2 arm RCT	UK	Multi	ECEC	3Y	Educator	18W	Curriculum intervention, plus environmental changes to the classroom to promote PA and reduce sedentary behaviour. Behaviours in the home are targeted through the use of parent-child games and activities which aim to encourage physical activity, outdoor play, controlled screen time and healthy eating/snacking. Teachers provide parents with the materials and instructions when they collect their children from nursery.	Usual care in line with the Scottish Curriculum for Excellence.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
20	Addressing Obesity in Early Care and Education Settings	NCT04140032	2 arm RCT	USA	Multi	ECEC	30M	Educator	10M	Integrating healthy nutrition and physical activity policies and practices into preschool operations via the Sesame Street Healthy Habits for Life curriculum, coaching sessions to enhance teacher lesson planning to routinely include nutrition and physical activity; as well as assist preschool site directors with implementing policy changes and parent engagement sessions.	Usual care practices. Control group preschools will receive intervention materials and accompanying instructions after follow-up measures are collected for each cohort.
21	Healthy Change: intervention in maternal perception of pre-school child weight <sup>18</sup>	ISRCTN12281648	2 arm RCT	Mexico, USA	Multi	Community	3Y	Educator	4W	Four weekly group education sessions related to Healthy Growth.	Four weekly group education sessions related to hygiene and health promotion.
22	Helping pre-school children to avoid obesity <sup>19</sup>	ISRCTN22620137	2 arm RCT	UK	Multi	ECEC	2Y	Educator	6M	Educational resource 'Be Active, Eat Healthy'; The 'Healthy Heroes Activity Pack' for participating parents and children is then delivered; groups and one-to-one family support sessions in existing timetabled sessions and in specific Healthy Heroes sessions.	Staff do not receive any training and work with attending families as normal.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care <sup>20</sup>	ACTRN12610000087055	2 arm RCT	Australia	PA	ECEC	3Y	ECEC staff	16W	Policies to limit screen time and sedentary behaviour, and to integrate PA into curriculum, increasing opportunities for free and unstructured play. Opportunities for children to learn about physical activity will be programmed and integrated across learning areas.	Standard care, waitlisted to receive intervention after collection of follow-up data.
24	Health and Wellbeing During the Preschool Years (Mind, Exercise, Nutrition, Do It! (MEND) 2-4) <sup>21</sup>	ACTRN12610000200088	2 arm RCT	Australia	Multi	ECEC	2Y	Facilitator	10W	Ten weekly group sessions involving active play, healthy snack time and supervised crèche time when parents receive skill development.	The control participants will continue their normal habits until 15 months after recruitment, when they will receive the ten week program.
25	Healthy Babies Through Infant Centered Feeding (Healthy Babies) <sup>22</sup>	ACTRN12610000415000/ NCT01816516	2 arm RCT	USA	Nutrition/feeding	Home, telephone	Birth	HC	10M	Home lessons for infant-centred feeding prior to when the infant is 6 months of age promoting healthy feeding practices and enhanced mother-infant interaction, plus three reinforcing telephone contacts when the baby is 6, 8, and 10 months old.	Traditional nutrition education that does not have a focus on infant-centred feeding.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
26	A nutrition intervention research project for low-income mothers of toddlers (The Healthy Toddlers Trial) <sup>23</sup>	ACTRN12610000981022	2 arm RCT	USA	Nutrition/feeding	Home	1Y	HC	12W	Eight in-home lessons, followed by four weekly reinforcement telephone calls, focusing on increasing toddlers' intake of fruits and vegetables; decreasing the amount of sweetened beverages; and enhancing parental feeding behaviours.	Standard treatment of 8 in-home lessons that focus on basic nutrition messages, and food budgeting and menu planning, but not on feeding toddlers.
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial. (InFANT Extend) <sup>24</sup>	ACTRN12611000386932	2 arm RCT	Australia	Multi	Group	Birth	HC	33M	Six quarterly first-time mother's group-sessions (child aged 3-18 months) with healthy eating, physical activity messages; newsletters reinforcing session messages; InFANT website; From child age 18 months: quarterly newsletters, Facebook parent group page.	Control-group receive usual care plus quarterly generic child health newsletters.
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series	ACTRN12612000865819	2 arm RCT	Australia	Multi	Group	3Y	NCS	3W	Group sessions to help parents raise healthy children by providing them with information and practical strategies for positive parenting, promoting healthy eating, and increasing physical activity.	No treatment -care as usual.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 (Trademark) problem <sup>25</sup>	ACTRN126140003 63684	2 arm RCT	Australia	Multi	ECEC	4Y	Educator	6W	A four-week curriculum intervention that integrates content knowledge about healthy eating, active play and sustainability consciousness, plus a booster session at 6 weeks.	The wait-list control group children will receive 'usual care', that is, their usual teaching and learning experiences as designed by participating educators. Qualitative and quantitative measures will be administered at the same time points as the intervention group.
30	Physical activity in disadvantaged pre-schools (Jump Start) <sup>26</sup>	ACTRN126140005 97695	2 arm RCT	Australia	PA	ECEC Home	3Y	Educator	18M	Four main intervention components: 1. Motor development program to increase physical activity (Jump In and Jump Out). 2. Promoting physical activity through active 'energy' breaks (Jump Up). 3. Integrating physical activity with other learning areas (Jump Through). 4. Reinforcing child care programs with home-based interventions (Jump Home).	Current usual practice in this area. In most of the services this is the Munch and Move healthy eating and motor skills program.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children? <sup>27</sup>	ACTRN12614001028695	2 arm RCT	Australia	SB	ECEC	4Y	Researcher	3 visits over 3W	Modified pre-school day – 25% of time sitting.	Typical pre-school day – 50% of time sitting.
32	An educational intervention to promote healthy lifestyles in preschool aged children <sup>28</sup>	ACTRN12614000850673	2 arm RCT	Italy	Multi	ECEC	3Y	Educator HC	6M	Educational intervention including motivational interviewing to promote healthy behaviours, educational units, strategies to promote healthy eating and PA in ECEC.	Routine standard of health promotion and surveillance planned by their primary care pediatricians (well child visits) and were engaged in routine educational activities offered by childcare centres.
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry <sup>29</sup>	ACTRN12616000133437	4 arm RCT	NL	Nutrition/feeding	ECEC	2Y	Researcher	1W	Reading sessions with an educational message, puppetry to reinforce messages.	Passive reading sessions.
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children <sup>30</sup>	ACTRN12616000119493	2 arm RCT	Australia	Multi	Online	2Y	Online	12W	Online behaviour change program.	Fortnightly emails directing too various topics from an evidence-based government-funded website.



	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children. (HYHD) <sup>31</sup>	ACTRN12619000105145	2 arm RCT	Australia	Multi	Community	3Y	Educators	8W	Workshops and education and practical sessions to improve parenting practices and lifestyle behaviours.	Waitlist control, offered the intervention after the follow-up assessment.
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children <sup>32</sup>	ACTRN12619000396123	3 arm RCT	Australia	Multi	Community	2Y	Online Facilitator	3M	Telephone or online program seeking to improve healthy eating, PA and sleep and reduce sedentary screen time.	Written educational materials on healthy eating, PA, sedentary behaviour and sleep.
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children	NCT02069249	3 arm RCT	Israel	Multi	Online	3Y	Online	NCS	Healthy nutrition or healthy sleep intervention, delivered online.	Waitlist control.
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial <sup>33</sup>	ISRCTN81847050	2 arm RCT	Australia	Multi	Group	Birth	HC	15M	Parent group sessions to support parents regarding feeding, physical activity and sedentary behaviour.	Usual care, with a generic health newsletter on child development.
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers <sup>34</sup>	ISRCTN98064772	3 arm RCT	Norway	Nutrition/feeding	ECEC	Born in 2016	Online Educators	3M	Warm lunch meal intervention, or pedagogical intervention including sensory lessons and advice on meal practice and feeding.	Usual practice.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial	RBR-229scm	3 arm RCT	Brazil	Nutrition/feeding	Group Home	Birth	Researcher	9M	Baby-led introduction to solids (BLISS) and preparing foods workshop, plus home visit and support materials; or, mixed intervention consisting of a workshop introducing the BLISS and traditional approach to feeding and preparing foods, home visit and support materials.	Workshop and home visit on introducing and preparing foods, plus support material ("traditional method").
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten" <sup>35</sup>	DRKS00010089	2 arm RCT	DE	Multi	ECEC	3Y	Educator	1Y	Structured lessons, involvement of parents to increase PA and reduce consumption of sweetened drinks and screen time.	No intervention.
42	Evaluation of the health effects of JolinchenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany <sup>36</sup>	DRKS00011065	2 arm RCT	DE	Multi	ECEC	3Y	Educator		JolinchenKids Fit and Healthy in Daycare program, consisting of modules for staff, children and parents on obesity-related behaviours.	Waitlist control, to receive the intervention after final assessment.

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43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security <sup>37</sup>	NCT01679938	2 arm RCT	Mexico	Multi	ECEC	2Y	Educator	6M	Interactive education sessions focused on obesity-related behaviours, family outreach activities, maintenance activities.	Usual care.
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)	NCT04250896	2 arm RCT	Mexico	Multi	Community mhealth	NCS	SMS	9M	Standard care plus SMS messages.	Standard care.
45	Family-based Outcome Results <sup>38</sup>	NCT04132245	2 arm RCT	USA	Multi	Family-based	3Y	Educator	14W	Obesity prevention intervention modelled on “Hip-Hop to Health” curriculum, newsletters, parent education classes.	Educational general health intervention on dental health, seat belt safety and calling 911, parent newsletters.
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers (Growing Healthy) <sup>39</sup>	NCT01398358	3 arm RCT	USA	Multi	ECEC	2Y	Educator Phone	1Y	Educational preschool Obesity Prevention Series (POPS) involving lessons for children and parents, plus telephone contacts; or POPS plus Incredible Years Series (IYS) lessons for children and parents on emotional and behavioural self-regulation plus telephone contacts.	Usual educational interventions.

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47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities	NCT03986632	2 arm RCT	USA	Multi	Home	3Y	HC Online	NCS	Education sessions, gift basket that includes resources and supplies to support behavioural change at home, social support through a Facebook site.	NCS
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children (Fit 5 Kids)	NCT01216306	2 arm RCT	USA	SB	ECEC	3Y	Researcher	8W	Television reduction curriculum, Fit 5 Kids.	Standard preschool curriculum.
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH) <sup>40</sup>	NCT01565161	2 arm RCT	USA, Canada	Multi	Home	2Y	HC	6M	In-home coaching to encourage behaviour change, telephone calls and text messages.	Mailed educational materials on developmental milestones.
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids) <sup>41</sup>	NCT00336128	2 arm RCT	DE	Multi	ECEC	3Y	Educator	10M	Behavioural intervention aimed at modifying PA and food and drink choices.	No intervention.
51	Míranos! Program, a Preschool Obesity Prevention RCT <sup>42</sup>	NCT03590834	3 arm RCT	USA	Multi	ECEC	3Y	Educator Facilitator	1Y	ECEC nutrition and physical activity policy modification, staff training, health education on healthy habits using the Sesame Workshop Healthy Habits for Life resource kit, health contests, gross motor and physical activity program, Miranos! activity cards.	"I Am Moving, I Am Learning" health education program, early childhood literacy program.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention (Green Light Plus)	NCT04042467	2 arm RCT	USA	Multi	Community Primary care Online	Birth	HC	2Y	The Greenlight intervention plus a health information technology intervention aimed at supporting family goal-setting and behaviour change.	The Greenlight intervention (the Greenlight Toolkit of low literacy, age- specific, parent education booklets to promote healthy family behaviours and obesity prevention at well-child visits with pediatric residents).
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity <sup>43</sup>	NCT00808431	2 arm RCT	USA	Multi	Group	3Y	Facilitator	3M	Salud Con La Familia (Health with the Family) skill-building program for parents and children.	Literacy promotion skills-building curriculum, flyers with community centre family events.
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context <sup>44</sup>	NCT02222571	2 arm RCT	Canada	Multi	Group	2Y	Facilitator	9W	Parents and Tots Together Program, parenting and weight-related topics.	Parenting group program Supervising for Home Safety.
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT) <sup>45</sup>	NCT03914807	2 arm RCT	Canada	Nutrition/feeding	Primary care	18M	HC Researcher	NCS	Primary care recommendation to transition from whole milk to reduced fat milk. Bi-monthly phone calls.	Primary care recommendation to consume whole milk. Bi-monthly phone calls.

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56	Prevention of Obesity in Toddlers (PROBIT) Trial <sup>46</sup>	NCT03131284	2 arm RCT	Italy	Multi	Primary care	Birth	HC	2Y	Lifestyle counselling, educational materials, information and consequences of child obesity.	Usual education about nutrition and lifestyle.
57	Preschool Based Obesity Prevention Effectiveness Trial <sup>47</sup>	NCT00241878	2 arm RCT	USA	Multi	ECEC	3Y	Educator	14W	Teacher-delivered weight control intervention on healthy eating and PA, parent newsletters.	Teacher-delivered general health intervention on safety, parent newsletters.
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2) <sup>48</sup>	NCT01722032	2 arm RCT	USA	Multi	ECEC	2Y	Educator Parents	2Y	Menu modification, curricula for teachers/parents and children, centre policy development, parent events, newsletters.	Safety curriculum, and some centres received visits on child safety.
59	SDSU MOVE/Me Nuevo Project <sup>49</sup>	NCT00381069	2 arm RCT	USA	Multi	Home Community	5Y	Facilitator	2Y	Environmental and policy changes in community recreation centres, family health coaches via phone, workshops or home visits.	Information on dental care, fire safety, environmental awareness and video game ratings.
60	FirstStep2Health Intervention	NCT04164277	2 arm RCT	USA	Multi	ECEC	3Y	Educator Facilitator Online	16W	Facebook program and educational sessions for caregivers, educational sessions for children via the “Eat & Walk my ABCs” curriculum, cooking demonstrations, cookbook.	Usual Head Start activities.

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61	In-home Obesity Prevention to Reach Low-income Infants <sup>50</sup>	NCT03529695	2 arm RCT	USA	Multi	Home	2M	Facilitator	2Y	The standard Healthy Families America home visitation curriculum with the obesity prevention enhancement module.	The standard Healthy Families America home visitation curriculum.
62	Early Childhood Obesity Prevention Program (ECHO) <sup>51</sup>	NCT02052518	2 arm RCT	USA	Multi	Home	Birth	HC	12M	Enhance Nurturing Families Network Home visitation program including home visits, information toolkit, newsletters, text messages to provide support for enactment of infant feeding and behaviour targets.	The standard of care from the Nurturing Families Network Home Visitation program.
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers <sup>52</sup>	NCT01938118	2 arm RCT	USA	Multi	Home	Prenatal	Facilitator HC SMS	1Y	Educational intervention via home visits, newsletters, text messages.	A developmentally appropriate educational intervention designed to promote automobile and home safety behaviors for prevention of childhood injury.
64	The Sleeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project <sup>53</sup>	NCT00359242	4 arm RCT	USA	Multi	Home	Birth	Researcher	6M	Soothing and calming intervention; or repeated food exposure education; or combination intervention.	No intervention.

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65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity: The ToyBox-study <sup>54</sup>	NCT02116296	2 arm RCT	Europe	Multi	ECEC	42M	Educator	24W	Classroom Activity Guide, tip cards, posters, puppets, newsletters.	Waitlist control, no intervention materials until after follow-up.
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) <sup>55</sup>	NCT00428805	2 arm RCT	USA	Multi	ECEC	3Y	Educator	2Y	Classroom curriculum, family component, grocery store component, health care provider component, training for Head Start food service workers, and training for Head Start teachers/aide.	Usual practice.
67	Promoting The Self-Regulation Of Energy Intake (SEEDs) <sup>56</sup>	NCT01513343	2 arm RCT	USA	Nutrition/feeding	ECEC	3Y	Facilitator	6W	Parent and child groups focused on self-regulation of eating.	Treatment as usual.
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner) <sup>57</sup>	NCT02487251	2 arm RCT	USA	Nutrition/Feeding	Home Community	NCS	Facilitator	12W	Healthy meal and cookware delivery, ingredient delivery, community kitchen sessions.	No additional information about healthy eating, family mealtimes, nutrition education or meal planning beyond any usual coverage of these areas.



	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE) <sup>58</sup>	NCT02330588	5 arm RCT	Canada	Multi	Primary care eHealth	5Y	Researcher	1D	RIPPLE was delivered on a study-designated tablet and designed to (1) screen children's weight status, (2) deliver a brief intervention, and (3) provide parents with the opportunity select resources and services to help prevent obesity in children. Eat It! (normative), Eat It! (injunctive), Move It! (normative), Move It! (injunctive).	The eHealth Control group (1) screened children's weight status, and (2) provided parents with the opportunity select resources and services to help prevent obesity in children. Heads Up!
70	Starting Healthy Staying Healthy Pilot Trial <sup>59</sup>	NCT00503074	2 arm RCT	USA	SB	Community	2Y	Facilitator Online Phone SMS	4M	Tailored health-behaviour change messages to reduce exposure to television commercials and promote healthy TV viewing, in-person visit, telephone and email contact.	Behavioural-change counselling around toddler & pre-schooler safety and injury prevention.
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial (MINISTOP) <sup>60</sup>	NCT02021786	2 arm RCT	Sweden	Multi	mHealth	4Y	Internet mHealth	6M	Web- and mobile phone based intervention aiming to develop healthy lifestyle behaviours regarding physical activity and dietary habits in 4-year-olds.	Pamphlet on healthy eating and physical activity in pre-school children based on the existing guidelines.

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72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action) <sup>61</sup>	NCT00334269	2 arm RCT	Canada	Multi	Home	5Y	HC	6M	Weekly home visits by trained health counsellors who provide information, advice and support on improving dietary habits and increasing physical activity; weekly home delivery of bottled water to supplant sugared drinks; and a variety of afterschool/work physical activity programs and nutritional workshops.	Written material, including Canada's Food Guide to Healthy Eating and Canada's Physical Activity Guide to Healthy Active Living, which outlines suggestions for healthy living, and none of the interventions.
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy (Steps to Growing Up Healthy (Added Value) <sup>62</sup>	NCT01973153	3 arm RCT	USA	Multi	Primary care Community	2Y	HC	12M	Brief Motivational Counseling Plus Phone Calls (BMC + Phone); or Brief Motivational Counseling Plus Home Visits (BMC + Home).	Brief Motivational Counselling delivered by clinicians and nurses at well, sick, and WIC visits with the goal of reducing obesogenic behaviours.
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL) <sup>63</sup>	NCT03334669	2 arm RCT	USA	Multi	ECEC	3Y	Educator Facilitator	10W	Enhanced Nutrition Support, media resources. Parents Connect for Healthy Living (PConnect) parent curriculum.	Standard practice.

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75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)	NCT02067728	2 arm RCT	USA	Multi	Primary care	4Y	HC	Brief-visit	FNPA assessment which screens for obesogenic behaviours, Brief Action Planning conversation designed to assist the family develop a health behaviour change goal based on obesogenic risks on the assessment tool.	Usual care.
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO) <sup>64</sup>	NCT03077425	2 arm RCT	USA	Multi	Primary care Home	3M	HC	10M	Home visits and telephone support on recognising infant satiety and hunger cues via responsive bottle feeding, preparing age-appropriate self-feeding foods, encouraging tummy time and active play, transitioning from naptime milk to water bottles, and oral hygiene practices such as tooth brushing; patient navigation to make/keep timely dental visits.	Pamphlet with basic oral and obesity prevention messages, dental referral list of dentists who will see 12 month olds, and who accept most insurance plans.
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers	NCT03438721	2 arm RCT	USA	Multi	Primary care	Birth	Educator	12M	Well-child visits with education on optimal infant feeding, sleep, and screen time practices, text messages.	Financial case management and education.

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78	Mothers And careGivers Investing in Children (MAGIC)	NCT04177472	2 arm RCT	USA	Nutrition/feeding	Family Home	4M	NCS	NCS	Responsive feeding coaching to help parents recognise hunger and satiety cues and nutrition coaching that involves recommending a sequence of introducing complementary foods that corresponds with food textures and feeding styles, breast/bottle weaning, healthy snacking and hands on demonstrations for healthy food options.	Information about safe sleeping, car seats, baby-proofing, etc., delivered during home visits, newsletters, and reinforcing text messages.
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care	NCT03713840	2 arm RCT	USA	Nutrition/feeding	ECEC	2Y	NCS	12W	Education, environmental changes, and policies in ECEC to promote consumption of healthy beverages (water, unsweetened low-fat milk) and discouraged consumption of unhealthy beverages (juice, sugar-sweetened beverages, high-fat or sweetened milk).	Waitlist control.

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80	The Optimising Family Engagement in HENRY OFTEN Study (HENRY OFTEN) <sup>65</sup>	NCT02675699	2 arm RCT	UK	Multi	ECEC	NCS	Facilitator	8W	HENRY intervention to provide parents with skills and knowledge to support healthy lifestyles, with optimisation for implementation.	Standard HENRY intervention.
81	Healthy Children, Healthy Families: Parents Making A Difference (HCHF)	NCT04179565	2 arm RCT	USA	Multi	ECEC	3Y	NCS	9W	HCHF education curriculum in period 1.	Crossover trial, HCHF education curriculum in period 2.
82	Healthy Sleeping and Feeding During Infancy	NCT00125580	2 arm RCT	USA	Multi	Primary care	Birth	HC	Brief-visit	An intervention that teaches infants to sleep through the night by 8 weeks of age, parental education on offering a "focal feed" before bedtime, avoiding feeding as the first alternative to infant waking and distress, and carrying out environmental control measures that emphasize day/night differences.	Standard care.
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories Study (INSIGHT) <sup>66</sup>	NCT01167270	2 arm RCT	USA	Multi	Home	Birth	HC	1Y	The parenting intervention uses a responsive parenting framework with obesity prevention messages delivered at each visit.	Child safety intervention with messages focused on the infant's environment and interactions with parents.

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84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2) <sup>67</sup>	NCT01776255	2 arm RCT	USA	Multi	Home Online SMS	2Y	Mail Online SMS	1Y	A series of monthly educational tool kits mailed to primary caregivers for use with the participating child, Facebook group, text messages. This arm crosses over to receive the Child Safety in Year 2.	A series of 12 monthly newsletters and providing education on child safety mailed to primary caregivers. This Arm crosses over to receive the HCSF2 intervention in Year 2.
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate) <sup>68</sup>	NCT03399617	3 arm RCT	GUAT	Nutrition/ Feeding	Primary care Home Group	Prenatal	Facilitators	2Y	SPOON behavioural change strategy including home visits and group sessions; or SPOON behavioural change strategy plus micronutrient powders.	Standard care including macronutrient powders.
86	SPOON: Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)	NCT03752762	2 arm RCT	Mexico	Nutrition/ Feeding	Primary care Home Group	Prenatal	NCS	2Y	SPOON behavioural change strategy including home visits and group sessions plus nutrient supplement package.	Standard health care services provided by the Health Secretary.
87	Children's Healthy Living Community Randomized Trial (CHL) <sup>69</sup>	NCT01881373	2 arm RCT	Pacific region	Multi	ECEC Community	2Y	NCS	18M	Multiple component environmentally focused intervention designed with a community engagement process.	No intervention.

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88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids) <sup>70</sup>	NCT03575884	2 arm RCT	USA	SB	ECEC	3Y	Facilitator Telephone	8W	Fit5Kids curriculum, weekly parent newsletters, in-person (or by telephone) goal setting on their child's screen time, a lending library of resources (books, games, arts/crafts), and text messages on screen time parenting practices.	Standard preschool curriculum.
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS) <sup>71</sup>	NCT02903186	2 arm RCT	Puerto Rico	Nutrition/feeding	Primary care Home	Birth	SMS	4M	SMS messages focused on breastfeeding messages, preventing overfeeding, delaying introduction of solid foods, and delaying and reducing baby juice consumption.	SMS messages focused on general health issues, such as placing infant on back to sleep, timeline for immunisations, proper use of car seats, asthma and other respiratory conditions, and other health information.
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools <sup>72</sup>	NCT00987532	2 arm RCT	DE	PA	ECEC	3Y	Educator	6M	Parent-focused participatory preschool intervention in addition to twice weekly gym lessons.	Gym lessons delivered by a specially trained external physical education teacher.
91	The Baby Act Trial <sup>73</sup>	NCT03517891	2 arm RCT	USA	Multi	Primary care	Prenatal	Facilitator Online	1Y	Telephone sessions, online modules, SMS messages targeting infant activation, healthy sleep patterns, screen time, healthy feeding practices.	Standard care.

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92	SPOON: Sustained Program for Improving Nutrition – Colombia (SPOON Colombia)	NCT03378726	3 arm RCT	COL	Nutrition/feeding	Primary care	Birth	Facilitator	2Y	SPOON behavioural change strategy including group sessions plus micronutrient powders; or SPOON behavioural change strategy including group and interpersonal counselling plus micronutrient powders.	Standard services provided by the Ministry of Health, including powder micronutrients.
93	Protocol Feasibility Study of HENRY <sup>74</sup>	NCT03333733	2 arm RCT	UK	Multi	ECEC	6M	Educator	8W	Program aiming to provide parents with skills and knowledge to support healthy lifestyles.	Waitlist control.
94	Wellness Action Plan Trial Addressing Childhood Obesity <sup>75</sup>	NCT02185248	2 arm RCT	USA	Multi	Primary care	30M	HC	1D	Wellness action plan. The plan includes a color-coded BMI chart to help parents understand their child's weight category as well as a brief action planning worksheet to help families create personalised plans around healthy diet and activity changes.	General clinical counselling in regards to child's BMI category and necessary changes to diet and activity regimen.
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)	NCT02559076	2 arm RCT	UAE	Nutrition/feeding	NCS	NCS	NCS	NCS	Ten steps leaflet advice for healthy lifestyle.	Usual care.
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS) <sup>76</sup>	NCT00756626	2 arm RCT	USA	Nutrition/feeding	Primary care	1Y	HC	24M	Bottle weaning education.	Usual care.



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97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres <sup>77</sup>	NCT02375490	2 arm RCT	Canada	Multi	ECEC	3Y	Educator	6-8M	Healthy Start program including intersectoral partnerships; The Healthy Start guide for educators; customized training, role modelling and monitoring; resource for both families and educators; resources from governmental partners; a knowledge exchange, and communication strategy.	Usual practice.
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)	NCT03817021	8 arm RCT	USA	Nutrition/feeding	ECEC Home	3Y	Educator	9M	Nutrition and Physical Activity Self-Assessment of Childcare (Core NAP SACC) and 3 treatment factors and their interactions to determine a 'best' approach. Interactive web-based training curriculum and coaching for ECE providers, classroom curriculum that teaches regulation strategies to preschool children, and responsive parenting curriculum and interactive activities for parents.	Nutrition and Physical Activity Self-Assessment of Childcare (Core NAP SACC).

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99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds (MINI STOP 2.0) <sup>78</sup>	NCT04147039	2 arm RCT	Sweden	Multi	mHealth	2Y	mHealth	6M	Smartphone intervention aimed at improving dietary- and physical activity behaviours and preventing the prevalence of overweight and obesity in preschool-aged children.	Standard care through primary health care.
100	Healthy Homes, Healthy Habits (HABITS)	NCT03433456	2 arm RCT	USA	Multi	Home	Birth	Facilitator	12M	Home visitation and HABITS program, targeting obesity-related behaviours.	Standard home visitation program.
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva (NEHLM)	NCT01071551	2 arm RCT	Israel	Multi	ECEC	4Y	NCS	NCS	Lessons for children and meetings for parents and children, covering a variety of lifestyle issues such as nutrition, dental care, and physical activity.	Physical activity lessons for children only.
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial <sup>79</sup>	NCT01127412	2 arm RCT	NL	PA	NCS	Birth	HC	12M	Physical activity stimulating program, providing advice at well-baby visits.	No intervention.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina) <sup>80</sup>	NCT00674544	2 arm RCT	CH	Multi	ECEC Home	3Y	HC	1Y	Workshops, lessons, home activities, offers of extracurricular activities, adaption of the built environment based on PA, nutrition, media use and sleep.	No intervention, usual curriculum.
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers (BFB) <sup>81</sup>	NCT03348176	4 arm RCT	NL	Nutrition/feeding	Home Phone	4M	Researcher	1Y	Intervention focusing on vegetable exposure; intervention focusing on sensitive feeding; intervention focusing on vegetable exposure and sensitive feeding. Phone calls and home visits.	Phone calls on development child with no information on complementary feeding.
105	Prevention Through Activity in Kindergarten Trial (PAKT) <sup>82</sup>	NCT00623844	2 arm RCT	DE	PA	ECEC	43M	Educator	1Y	Physical activity intervention: structured daily 30-min activity classes at preschool, activity homework, parent and teacher education.	Usual activities.
106	Preschoolers Activity Trial <sup>83</sup>	NCT02293278	2 arm RCT	Canada	PA	ECEC	3Y	Facilitator	6M	Workshops, training manual, starter kits of equipment.	Existing day care program.
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a Cluster-randomized Trial <sup>84</sup>	NCT01656928	2 arm RCT	DE	Nutrition/feeding	ECEC	3Y	Researcher	6M	Joint meal preparation and activities for children and parents such as tasting and preparing nutritious, fresh foods.	Waitlist control.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)	NCT01204489	2 arm RCT	Finland	Nutrition/feeding	Primary care Home	6M	HC	NCS	Tailored dietary counselling, information leaflets and self-evaluation cards given to the families. Training for nurses in nutrition education.	Usual dietary counselling.
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a Cluster-randomized Trial	NCT01070251	2 arm RCT	DE	PA	ECEC Online	3Y	Facilitators	6M	Participatory parent-focused PA intervention in addition to the existing state-sponsored PA program, parent workshops and internet support.	State-sponsored PA program only.
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'la bouge) <sup>85</sup>	NCT00967460	2 arm RCT	CH	PA	ECEC	2Y	Educator Facilitator	9M	Behavioural strategies, targeting children, educators and families aimed to improve knowledge about physical activity benefits and to increase pleasure, self-efficacy and skills and to integrate physical activity into the daily life of the child care, training for ECEC staff, support for environmental changes.	No intervention, regular childcare program.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
111	Promoting Healthy Development With the Recipe 4 Success Intervention <sup>86</sup>	NCT03976089	2 arm RCT	USA	Nutrition/feeding	Home	18M	HC	10W	Home visitor lessons including information on children's self-regulation skills and health eating habits.	Regular Early Head Start program designed to promote children's physical health, cognitive skills and social-emotional functioning and parents' capacities to support child development.
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study <sup>87</sup>	NCT01890681	2 arm RCT	USA	Multi	ECEC	3M	Facilitator	6M	Self-assessment by centre directors and parents, and selection of areas for improvement; targeted technical assistance for directors and parents from a health coach; and training for providers.	The Back to Sleep arm will encourage safe sleep practices to reduce the risk of Sudden Infant Death Syndrome (SIDS) in child care and at home.
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?	NCT01710423	2 arm RCT	USA	Nutrition/feeding	Community	Birth	Facilitator	5W	'Cooking with Friends' is a community-located, peer mentoring intervention aimed at improving home food preparation practices in families with young children, plus peer mentoring.	Delayed entry control.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)	NCT03903146	2 arm RCT	USA	Nutrition/feeding	Primary care Home Community	Prenatal	Facilitator HC	6M	Intensive support intervention with prenatal visits, hospital visit, home visit, telephone support to set goals and action plan for breastfeeding.	Traditional prenatal care in the clinic and received the usual educational material about breastfeeding during prenatal care provided by the Special Supplemental Nutritional for Women, Infants, and Children (WIC) program.
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow) <sup>88</sup>	NCT02715544	2 arm RCT	Hong Kong	Multi	Home	2Y	Facilitators	10W	Healthy lifestyle group sessions.	Control participants were asked to read the health-related dietary recommendations published by the Hong Kong government and were under the impression that reading the government recommendations was a part of the programme.
116	Opaque Bottle Study <sup>89</sup>	NCT03711370	2 arm RCT	USA	Nutrition/ Feeding	Home	Birth	Researcher	12W	Set of opaque bottles to be used during infant feedings, plus a handout about how opaque bottles can help them attend to infant cues.	Clear bottles, plus a handout about paced bottle-feedings which includes messages about feeding in response to infant cues.
117	Guelph Family Health Study: Full Study (GFHS)	NCT02939261	2 arm RCT	Canada	Multi	Home	18M	HC	6M	Home visits from a health educator, e-mails, and mailed behavioural supports.	Emails containing publicly available handouts on general child health.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
118	Our Year of Healthy Living	NCT02330354	2 arm RCT	USA	Nutrition/ Feeding	ECEC Home	3Y	Educator	7M	Healthy Me, Healthy We program: classroom activities, social media, education modules, posters, activity cards, family guide.	Waitlist control.
119	Healthy Start to Feeding Intervention	NCT03597061	2 arm RCT	USA	Nutrition/ Feeding	Group	3M	HC	5M	Intervention targeting healthy introduction of complementary foods, educational content, handouts and instructions, modelling of skills by the interventionist, caregiver practicing of skills, establishment of goals, and problem solving barriers to implementation of treatment content.	No intervention.
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB) <sup>90</sup>	NCT01292434	2 arm RCT	USA	Nutrition/ Feeding	ECEC Home	3Y	Educator	23W	Behavioural intervention that includes handouts/newsletters sent to parents from the ECEC centre, classroom activities and projects, an implementation support calendar, and teacher training.	No specific nutrition education intervention at the ECE centre, other than usual practice.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
121	Media Use in Preschooler Study (MUPS) <sup>91</sup>	NCT00959309	2 arm RCT	USA	SB	Primary care Home	3Y	Researcher	1D	Education session on good media use, plus session about the health impact of screen time and strategies to decrease, story about television viewing, handout and stickers.	Educational session on good media use (information on television rating systems, internet safety, and limiting exposure to violent programming, and the CPS handout entitled 'Managing Media in the Home').
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity (GreenLight) <sup>92</sup>	NCT01040897	2 arm RCT	USA	Multi	Primary care	6W	HC	2Y	Behaviour change intervention, low-literacy toolkit for parents, including developmentally tailored tools reinforcing recommended behaviours, health-communication curriculum for child-health providers, including modules on teach-back shared goal-setting techniques.	Injury prevention control.
123	Anticipatory Guidance to Prevent Childhood Obesity (MOMS) <sup>93</sup>	NCT01565525	3 arm RCT	USA	Nutrition/Feeding	Primary care	Birth	HC	1Y	Ounce of prevention program at well-child visit, anticipatory guidance.	Usual care, anticipatory guidance regarding nutrition is based on the Bright Futures Pocket Guide.



	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits (WE CARE01)	NCT02451059	2 arm RCT	USA	Multi	Primary care	Birth	HC	2Y	WE CARE survey designed to identify unmet needs, resource handouts, peer patient navigator.	Waitlist control, standard care.
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.	NTR616	2 arm RCT	NL	Multi	Primary care	Birth	HC	NCS	Tailored health information in combination with personal counselling, online health information.	Usual care.
126	The BeeBOFT Study <sup>94</sup>	NTR1831	3 arm RCT	NL	Multi	Primary care	2W	HC	24M	“BOFT+” training for nurses to provide more knowledge to parents re parenting skills; “Healthy toddler” advice to parents regarding nutritional habits, playing habits and watching TV, internet support, face-to-face counselling, written reminders.	Usual care.
127	The “Together Happy!” (Samen Happie!) intervenion to prevent obesity through parenting: A study among Dutch parents of infants.	NTR6938	2 arm RCT	NL	Multi	mHealth	7M	mHealth	NCS	Mobile application through which they can learn about specific healthy parenting practices and a general healthy authoritarian parenting style.	Waitlist control.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
128	PreSchool@HealthyWeight	NTR6030	2 arm RCT	NL	Multi	ECEC	2Y	Educator	4M	Training, feedback to parents or carers, modified version of the "PLAYgrounds" intervention.	No intervention.
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months <sup>95</sup>	NCT03334266	2 arm RCT	USA	Multi	Primary care Home	Prenatal	HC	18M	Home visits on breastfeeding, responsive and complementary feeding, healthy diet and PA, reduced screen time and SB, transportation assistance to prenatal and well-baby clinic visits, home visits.	Home-visits on injury prevention and safety, transportation assistance.
130	Prevention of Overweight in Infancy (POI NZ) <sup>96</sup>	NCT00892983	4 arm RCT	NZ	Multi	Primary care Home	Prenatal	Researcher HC	2Y	Food-Activity-Breastfeeding (FAB): parent education and extra contacts. Sleep: parent education and extra contacts. Combination= all FAB and sleep education and support contacts.	Standard well-child care.
131	Baby-led introduction to solids (BLISS) <sup>97</sup>	ACTRN12612001133820	2 arm RCT	NZ	Nutrition/Feeding	Primary care	Prenatal	Researcher HC	12M	Home visits providing anticipatory guidance to assist mothers with breastfeeding and baby-led weaning.	Usual well child care.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
132	Sino-Canadian Healthy Life Trajectory Initiative (SCHeLTI)	ChiCTR1800017773	2 arm RCT	China	Multi	Primary care	Prenatal	Researcher Online SMS	5Y	Standard care plus individual sessions, access to educational activities and social support, text messages and web-based tools, community-based activities.	Standard care plus online tools that provide information on child health and safety.
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska	NCT03601299	2 arm RCT	USA	Nutrition/ Feeding	ECEC	Birth	NCS	NCS	Culturally relevant nutrition education to families, local and community driven initiatives that provide knowledge and skills and engage families in the gathering and preparing of local traditional foods, resources (e.g. Fish/Farm-to- Schools) to increase integration of traditional foods into the diet.	Standard care.
134	Tools For Teen Moms: Reducing Infant Obesity Risk (TFTM) <sup>98</sup>	NCT02244424	2 arm RCT	USA	Nutrition/ Feeding	Online	Birth	Online	6W	Social media intervention with daily challenges focusing on maternal-infant feeding interaction; and feeding practices.	Voluntary home visits.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
135	Preventing American Indian Children From Becoming Overweight	NCT00245180	2 arm RCT	USA	Multi	Community	Birth	Facilitators	NCS	Community-wide intervention coupled with individualized family counselling to improve nutrition and physical activity in infants and toddlers.	No intervention, yearly dental screening.
136	Health, Education, and Relationship-building for Adolescents- Moms and Tots (Project HERA)	NCT02200484	2 arm RCT	USA	Multi	NCS	Birth	NCS	8W	Combined parenting training and obesity prevention program.	Print-based health and wellness materials.
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development (CHIMINCS) <sup>99</sup>	NCT01916603	2 arm RCT	Chile	Primary care	Primary care	Prenatal	Facilitator HC	12M	Diet and PA and breastfeeding: diet and PA counselling-support and breastfeeding promotion, training, PA program.	Routine antenatal care according to national guidelines.
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention (NOURISH) <sup>100</sup>	ACTRN12608000056392	2 arm RCT	Australia	Nutrition/Feeding	Group	Birth	HC	18M	Group sessions and SMS and email contacts, focused on feeding relationships, processes and skills appropriate to the developmental stage.	Standard care, self-directed access to universal services at child health clinics.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based Randomised Controlled Trial (Healthy Beginnings (HBT)) <sup>101</sup>	ACTRN12607000168459	2 arm RCT	Australia	Multi	Home	Birth	HC	2Y	Home-based early intervention on child and family eating patterns, television viewing, PA and anthropometric measures.	Usual care (this is a current standard practice, comprising one home visit by a community nurse within a month of birth plus possible baby clinic visits).
140	Start for Life <sup>102</sup>	NA	2 arm RCT	USA	PA	ECEC	4Y	Educator	9M	Training, daily lesson plans, age-appropriate behavioural skill training, achievement charts.	Usual PA practice.
141	Food Friends: Get Movin' With Mighty Moves <sup>103</sup>	NA	2 arm RCT	USA	PA	ECEC	NCS	Educator	18W	Mighty Moves lessons, Food Friends nutrition program.	Food Friends nutrition program.
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program <sup>104</sup>	NA	2 arm RCT	USA	PA	ECEC	3Y	HC	6M	NAP SACC program, workshops, educational information to parents/guardians focusing on PA and nutrition recommendations at home.	Waitlist control.
143	Prevention of Overweight among Pre-school and school children project (POP) <sup>105</sup>	NA	2 arm RCT	Belgium	Multi	ECEC Home Community	3Y	Researcher Educator HC Facilitator	2Y	Community meetings, information brochures and posters, manuals for schools, educational strategies, environmental changes, letters to parents.	Usual practice.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
144	An intervention to reduce television viewing by preschool children <sup>106</sup>	NA	2 arm RCT	USA	SB	ECEC	2.6Y	Educator	2Y	The Brocodile the Crocodile health promotion curriculum, devoted to healthy eating and 7 sessions designed to reduce children's television viewing.	Safety and injury prevention program.
145	the Kindergarten Mobil project (KiMO) <sup>107</sup>	NA	2 arm RCT	DE	Multi	ECEC	4Y	Researcher	5-6M	Information meetings for parents and educators.	No intervention.
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children (hi-Ho) <sup>108</sup>	NA	2 arm RCT	USA	Multi	ECEC	2Y	Educator HC	6M	Hi-Ho curriculum, teacher training, educational dinners for parents, newsletters and at home activities, centre-based modifications.	Visit from an injury prevention education mobile.
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens <sup>109</sup>	NA	2 arm RCT	Israel	Multi	ECEC	NCS	Researcher Educator	1Y	Teacher training, health festivals, education and exercise sessions.	Regular kindergarten schedule.
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children <sup>110</sup>	NA	2 arm RCT	USA	Multi	Home	2Y	HC	15-17W	Parent training on healthy nutrition and PA.	Wait list control, received care as usual and a standard nutritional informational pamphlet.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial <sup>111</sup>	NA	2 arm RCT	Belgium	Multi	ECEC	9M	NCS	1Y	Healthy lifestyle intervention aimed at increasing daily consumption of water (instead of soft drinks), milk, fruit and vegetables, increasing daily physical activity and decreasing daily consumption of sweets and savoury snacks and daily screen-time behaviour.	NCS
150	An intervention to preschool children for reducing screen time: a randomized controlled trial <sup>112</sup>	NA	2 arm RCT	Turkey	SB	Primary care	2Y	NCS	8W	The intervention consisted of three printed materials and interactive CD's and one counselling call, intending to decrease screen time.	Well-child care patients.
151	Tooty Fruity Vegie <sup>113</sup>	NA	2 arm RCT	Australia	Multi	ECEC	3Y	Researcher HC Educator	10M	The intervention strategies included skills development and awareness-raising for parents, staff and children, and social support for parents to foster behaviour changes in their children through feedback and reinforcement, FunMoves PA program.	Waitlist control.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
152	HomeStyles randomized controlled trial <sup>114, 115</sup>	NA	2 arm RCT	USA	Multi	Home	2Y	Online	12-18M	Web-based site and guides for parents focused on nutrition, PA or sleep messages.	Web-based guides on other topics, including food safety and handwashing.
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran (I.H.S) <sup>116</sup>	IRCT2016041927475N1	2 arm RCT	Iran	Multi	ECEC	4Y	Facilitator Educator	NCS	Promoting physical activity in pre-schoolers (customized training material), promoting healthy eating guiding educators for implementation, active involvement of parents, and building partnership.	Conventional nutrition and physical activity at preschool.
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)	NCT03482908	2 arm RCT	USA	Multi	Primary care	Birth	HC	6M	Parent self-assessment and screening survey called Early Healthy Living/Lifestyles tool to assess the child's future obesity risk and tailor education; parenting and nutrition education using the Healthy Active Living for Families curriculum supplemented by evidence-based materials that teach mothers alternatives to using feeding to manage infant behaviour, and establishing good sleep hygiene; and coordination of care.	Standard care.



	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
155	Guelph Family Health Study: Pilot Study <sup>117</sup>	NCT02223234	3 arm RCT	Canada	Multi	Home Online	18M	HC, online	6M	Tailored weekly emails and 2 home visits with a health educator (Email +2); Tailored weekly emails and 4 home visits (Email +4).	Monthly emails with general health information.
156	Starting Early Obesity Prevention Program <sup>118</sup>	NCT01541761	2 arm RCT	USA	Multi	Primary care Groups	Prenatal	HC	3Y	Prenatal nutrition counselling, postpartum lactation support, and nutrition and parenting support groups coordinated with pediatric visits.	Standard care.
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism Randomized Control Trial (EMPOWER) <sup>119</sup>	NA	2 arm RCT	USA	Multi	Online	4Y	Online	6W	EMPOWER intervention was a theory-based program designed to actualize five constructs of social cognitive theory in participating mothers to improve four behaviours (fruit and vegetable consumption, physical activity, sugar-free beverage intake, reduced screen time) in their children. 10- to 15-minute audiovisual presentations, interactive worksheets, and online discussion board postings.	Active control Healthy Lifestyles intervention was a knowledge-based program designed to provide information about the same four behaviours to participants. We used the same educational modalities in both interventions including 10- to 15-minute audiovisual presentations, interactive worksheets, and online discussion board postings.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta <sup>120</sup>	NCT01746394	2 arm RCT	USA	Multi	Home	Prenatal	Facilitator	18M	Parents as Teachers Enhanced, builds on the Parents as Teachers curriculum by including nutrition and physical activity components specifically designed for the gestational and postnatal periods.	Parents as Teachers lessons and materials at each home visit.
159	Enhancing Caregiver-Infant Communication to Prevent Obesity (LiTTLe Me)	NCT04502979	2 arm RCT	USA	Nutrition/Feeding	Home Phone	3M	NCS	6M	Home visits and phone calls including development specific content related to language and feeding, video and placemat of mealtime signs.	Routine care.
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity	NCT04552678	16 arm RCT	USA		ECEC Home Online	3Y	NCS	28W	1 of 16 conditions that vary based on whether or not the following treatments are turned on or off: Healthy Eating Classroom Curriculum; Active Play Classroom Curriculum; Self-Regulation Classroom Curriculum; Enhanced Parent Education. All classrooms receive a Food Literacy curriculum. Curriculum and parent education.	Food Literacy curriculum.

	Study title	Trial ID	Study type	Country	Behaviour focused on	Setting	Min. inclusion age	Int. delivered by	Int. duration	Brief description of intervention/s	Brief description of control
161	Interactive Malaysian Childhood Healthy Lifestyle Program Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial (i-MaChEL)	NCT04711525	2 arm RCT	Malaysia	Multi	ECEC Online	5Y	Online Educator	6M	Apart from the standard preschool health education curriculum, the preschool children will also be exposed to the interactive activities and quizzes using Web 2.0 tools, educational videos of a healthy lifestyle, sensory-based food education activities, cooking demonstrations, fun, and active games, and exercises. Whereas the parents will be exposed to Web-based healthy lifestyle educational materials, videos, and pictures sharing, quizzes, and communication through the WhatsApp and closed Facebook groups.	The children in the control group do not have exposed to the i-MaChEL interactive classroom instruction, and their parents do not have access to the i-MaChEL website materials.

**Table notes:** CH= Switzerland. COL= Colombia. D= day. DE= Germany. ECEC= early childhood education and care. GUAT= Guatemala. HC= healthcare professional. MCHC= maternal child health centre. MCHN= maternal child health nurse. Multi= an intervention targeting multiple risk factors. Int= intervention. M= months. Min= minimum. NA= not available. NCS= not clearly specified. NL= Netherlands. NSW= New South Wales. NZ= New Zealand. PA= physical activity. PHC= primary healthcare. RCT= randomised controlled trial. SB= sedentary behaviour. SMS= short message service. UAE= United Arab Emirates. UK= United Kingdom. USA= United States of America. W= weeks. Y= years.

**Table S4 – Outcome domains and outcomes**

Domain	Definition of domain	Outcomes	Definition of outcomes	Collected in
Anthropometry	Measures and proportions of the human body, including muscle, bone and adipose tissue	Body mass index (BMI)	Includes BMI z-score, percentile, prevalence of overweight and obesity, weight for height or length.	Child, parent/caregiver
		Body composition	Proportion of fat, muscle, bone and water. Includes lean body mass, body fat, percent body fat, fat free mass, abdominal fat, skinfolds.	Child, parent/caregiver
		Height	Includes height or length, height or length for age.	Child, parent/caregiver
		Weight	Includes weight, weight gain velocity or rate, weight for age, adequate weight gain rate in the first year, weight for age z score.	Child, parent/caregiver
		Circumference	Includes waist circumference, waist to height/length, arm circumference, head shape or circumference.	Child, parent/caregiver
		Not clearly specified	Listed as anthropometry, with limited further information given.	Child, parent/caregiver
Dietary intake	Measurements of food, energy intake, calories, nutrients, food and eating patterns	Beverages intake	Includes SSBs such as sodas, soft drinks, juices, cordials, water, milk, sugar-free beverages, high caloric drinks, types of "other" drinks consumed. Includes quantity (e.g. servings, cups, ounces, number) and frequency (e.g. per day, per week).	Child, parent/caregiver
		Breakfast food intake	Includes quantity (e.g servings) and frequency (e.g. per week, regularity of eating breakfast or breakfast skipping).	Child, parent/caregiver
		Carbohydrate intake	Includes quantity (e.g. grams) and frequency.	Child, parent/caregiver
		Dairy intake	Includes calcium, dairy, milk products, quantity and frequency, parental reports of children's request for dairy.	Child
		Diet quality	Includes proportion of less healthy foods in relation to overall energy intake , proportion of healthy foods in relation to overall energy intake, intake of nutrients compared to Australian recommendation, intake of a	Child, parent/caregiver

			healthy dietary pattern, change in percentage of healthy meals consumed, healthy eating index score, nutrition risk score.	
		Dietary intake	General dietary intake classification, if no further information provided. Includes quantity and frequency, kcal per day, kJ per kg of body weight, energy density.	Child, parent/caregiver
		Fat intake	Includes fat from dairy, saturated fat intake. Includes quantity (e.g. percentage of kJ from saturated fat) and frequency.	Child, parent/caregiver
		Fibre intake	Includes quantity and frequency.	Child, parent/caregiver
		Food advertised as healthy for children	Includes frequency of consumption of food advertised as healthy for children	Child
		Fruit and vegetable intake	Includes frequency and quantity (e.g. intake per day, mean daily servings, number of servings) of fruits and/or vegetables.	Child, parent/caregiver
		Glycemic load or index	Rates carbohydrates according to how quickly they raise blood glucose or the amount of carbohydrate in food.	Child
		Grains, breads, cereals intake	Includes cereals, bread, pasta, rice, porridge, whole grains. Includes frequency (e.g. times per day) and quantity.	Child
		Home prepared food intake	Includes frequency and quantity of eating home prepared food or meals, home food preparation practices.	Child
		Published COS	Includes outcomes accounted for in previously published COS for infant feeding interventions <sup>121</sup>	
		Meat, poultry, fish intake	Includes frequency and quantity.	Child, parent/caregiver
		Non-core food and drink intake	Includes processed snack foods, energy dense sweets (e.g. chocolate bars, ice cream), high caloric foods,	Child, parent/caregiver

			savoury snacks, discretionary calories, french fries, fast or deep-fried foods. Includes frequency and quantity.	
		Not clearly specified	Outcomes related to dietary intake but not clearly specified.	Child
		Nutrients	Includes nutrient density, intake, nutrient contents, nutritional supplement intake.	Child
		Out of home foods intake	Includes meals not prepared in the home, commercially prepared meals, fast foods, eating in restaurants. Includes quantity and frequency.	Child
		Processed foods intake	Includes quantity and frequency.	Child
		Protein intake	Includes quantity.	Child, parent/caregiver
		Sodium intake	Includes quantity.	Child
		Total and added sugars intake	Includes quantity and frequency of refined sugar, percentage of kilojoules from sugar, quantity and frequency of consumption of foods with added sugars.	Child
		Desire for drinks	Includes asking for drinks, desire for drinks.	Child
		Dietary intentions	Readiness or intention to eat more fruit and vegetables, habit strength for dietary behaviours.	Parent/caregiver
		Eating in response to emotion	Eating more or less, in response to emotional state, low dining emotional, emotional undereating, emotional overeating.	Child, parent/caregiver
		Enjoyment of food	Includes response to the food, enjoyment of food.	Child
		Food environment	Includes if and where (i.e. home, day care) the meals were eaten, foods consumed out of preschool, availability of food at home, purchase of foods, family mealtime climate.	Child, parent/caregiver
		Food security	Reliable access to healthy and nutritious foods.	Parent/caregiver
		Food variety	Includes variation in types of fruits and vegetables offered, variety in foods offered.	Parent/caregiver
		Hunger	A feeling of discomfort caused by lack of food, coupled with the desire to eat.	Child

		Interest in wine	Child shows interest in wine.	Child
		Meal patterns	Includes meals per day, set meal times and snack patterns.	Child, parent/caregiver
		Role modelling of healthy eating	Parent/caregiver role modelling of healthy eating.	Parent/caregiver
		Food neophobia	Includes reluctance to eat, or the avoidance of, new foods, selective about range of foods accepted, willingness to try new foods.	Child
		Satiety responsiveness	Includes feeding self-regulation, stopping eating when full.	Child
		Skin caretonoids	Includes skin caretonoids in relation to fruit and vegetable intake.	Child
		Slowness in eating	Includes eating slowly or dawdling over meals.	Child
Physical activity	Measures of movements of the body and associated parenting practices	Active transport	Transport by walking, cycling, scooting.	Child
		Active indoor play	Amount or time spent in active indoor play, playful context, combined with activity that is significantly above resting metabolic rate. Includes time spent playing indoors.	Child
		Co-participation	Engagement in physically active play with child.	Parent/caregiver
		Physical activity	Duration, quantity or frequency of physical activity, including total physical activity, moderate-to-vigorous physical activity, leisure physical activity, walking or crawling.	Child, parent/caregiver
		Encouragement of physical activity	Encouragement of physical activity by parent/caregiver, support for physical activity.	Parent/caregiver
		Energy expenditure	The amount of energy expended as a result of bodily functions and physical activities.	Child
		Enjoyment of physical activity and playing	Includes child's enjoyment of playing with parents, child's enjoyment of physical activity (movement, play), child's enjoyment of playing with objects and toys.	Child
		Not clearly specified	Outcomes related to physical activity but not clearly specified.	Child, parent/caregiver

		Organised PA	Includes frequency or duration of organised physical activity, including sport, dance, swimming.	Child, parent/caregiver
		Outdoor time	Amount or time spent outdoors or in active outdoor play, playful context, combined with activity that is significantly above resting metabolic rate. Includes time spent playing outdoors.	Child
		Physical activity environment	Physical environmental features that support physical activity, also includes non-fixed environmental features.	Child, parent/caregiver
		Physical activity parenting practice	Includes rules and practices, intentions or habit strength for activity behaviours.	Parent/caregiver
		Physical fitness	Includes shuttle run test, the handgrip strength test (for upper musculoskeletal fitness), the standing long jump test (for lower musculoskeletal fitness), the 4×10 metre shuttle run test (for motor fitness), the one-leg stance test (for motor fitness) and the 20 metre shuttle run test (for cardiorespiratory fitness), physical fitness.	Child
		Parent/caregiver role modelling of physical activity	Time parent/caregiver spends in physical activity, or work-related physical activities.	Parent/caregiver
		Tummy time	Including age of starting tummy time and frequency of tummy time.	Child
		Unorganised physical activity	Includes frequency or duration of being taken to park, playground, play, leisure activities, energetic play, active play, running, jumping, climbing, structured free play, excursions (e.g. zoo, forest, park), common play activities.	Child, parent/caregiver
		Floor based play time	Time spent playing on the floor, unconfined or unrestrained.	Child
		Anxiety symptoms	Includes symptoms of anxiety.	Parent/caregiver



Emotional functioning/wellbeing	Measurements of emotions or overall wellbeing <sup>122</sup>	Child internalising or externalising behaviours	Includes aggressive, delinquent behaviours, internalising and externalizing behaviours, child behaviour.	Child
		Compliance	The degree to which children do what parents ask them to do and refrain from doing what parents ask them not to do.	Child
		Concerns	Includes concerns about child's weight.	Parent/caregiver
		Depression symptoms	Includes symptoms of depression.	Parent/caregiver
		Emotion regulation	Includes reports of anger, frustration, temperament, emotional coping, emotion self-regulation.	Child, parent/caregiver
		Emotional development	The ability to recognise, express, and manage feelings and to have empathy for the feelings of others.	Child
		Empowerment	Degree of autonomy and self-determination.	Parent/caregiver
		Family functioning	The social and structural properties of the global family environment.	Parent/caregiver
		Loneliness	Solitude or feeling or being alone.	Parent/caregiver
		Psychopathological symptoms	Includes psychopathological symptoms.	Child
		Relationship satisfaction	Relationship satisfaction with partners.	Parent/caregiver
		School readiness	A measure of the knowledge, skills and behaviours that enable children to participate and succeed in school.	Child
		Self-efficacy	Includes parent/caregiver self-efficiency, self-efficacy, confidence, self-agency for promoting healthy behaviours.	Parent/caregiver
		Social support	Includes parenting support, partner and family support.	Parent/caregiver
		Socio-emotional problems	Includes socio-emotional problems.	Not specified/unclear

		Soothability	Includes ability to be soothed when upset or distressed.	Child
		Stress	Feeling of emotional tension.	Parent/caregiver
		Treatment response	Response to intervention.	Child
		Wellbeing	Includes social-emotion wellbeing and emotional health.	Child, parent/caregiver
Sedentary behaviour	Measures of waking behaviours characterised by an energy expenditure $\leq 1.5$ metabolic equivalents, while in a sitting, reclining or lying posture <sup>123</sup>	Role modelling of sedentary behaviours	Time parent/caregiver spends in sedentary activities, such as watching TV, sitting or lying still.	Parent/caregiver
		Screen time	Includes time spent watching DVDs, TV, videos or using computers, tablets, smart phones or portable electronic devices.	Child, parent/caregiver
		Screen time parenting/caregiver practice	Includes rules around screen time in the home, ECEC setting, parents' use of TV viewing as a form of family recreation, frequency of TV viewing during mealtime, presence and availability of TV and media devices.	Parent/caregiver
		Sedentary behaviour home environment	Not clearly defined, mostly referenced to a home environment audit	Child, parent/caregiver
		Time spent sedentary	Time spent in sedentary behaviour, includes time spent where movement is restricted (e.g. in car seat or stroller).	Child, parent/caregiver
Feeding	Measurements of food provision and associated parenting practices	Control	Includes parent/caregiver feeding control practices, restriction, covert restriction, pressure to eat, monitoring.	Parent/caregiver
		Emotional feeding	Includes parent/caregiver using food to regulate the child's emotional states.	Parent/caregiver
		Encouragement	Includes parent/caregiver encouraging child's involvement in meal planning and preparation, promoting well-balanced food intake, teaching about nutrition.	Parent/caregiver
		Family meal practices	Includes frequency of eating meals together as a family with the TV off, number of days that the child	Parent/caregiver

			had dinner while watching TV, media device use at family meals, no. of days when healthy mealtimes occurred, family meals in car, at fast food restaurant, at dining table, eating alone.	
		Feeding emotions	Includes different feelings and emotions parents have while feeding their child.	Parent/caregiver
		Feeding interaction	Includes child-feeding interaction, encouragement to eat.	Parent/caregiver
		Feeding mechanics	Includes changes in the temperature of foods.	Parent/caregiver
		Feeding structure	Includes positive, structure based feeding practices (limit-setting, consistent routines) that promote self-regulation.	Parent/caregiver
		Feeding style	Parent/caregiver style in relation to feeding.	Parent/caregiver
		Food as a reward	Includes parent/caregiver using food as a reward.	Parent/caregiver
		Frequency of bottle use	Frequency of bottle use.	Parent/caregiver
		Not clearly specified	Outcomes related to feeding but not clearly specified.	Child, parent/caregiver
		Parent habit strength for feeding behaviour	Parent habit strength for each new feeding behaviour.	Parent/caregiver
		Parent/caregiver anxiety about feeding	Anxiety about feeding.	Parent/caregiver
		Nutrition parent/caregiver practice	Includes rules about nutrition, trying new foods.	Parent/caregiver
		Promoting autonomy	Includes promoting internal control of eating, parents allow the child control of his/her eating behaviours and parent-child feeding interactions.	Parent/caregiver
		Responsibility for feeding	Includes person/s responsible for feeding.	Parent/caregiver

		Responsive feeding	Includes paying attention while offering food, watching reactions, learning cues, and responding promptly and supportively.	Parent/caregiver
		Published COS	Includes outcomes accounted for in previously published COS for infant feeding interventions <sup>121</sup>	
Sleep	Measurements of sleep and associated parenting practices	Sleep parenting practices	Includes general sleep parenting practices, sleep or bedtime routine, assistance to sleep by touching, intervening when awake in the night.	Child, parent/caregiver
		Awake time	Time that child is awake.	Child
		Daytime dysfunction and fatigue	Difficulty in carrying out tasks due to tiredness or sleepiness, feeling of extreme or constant tiredness.	Parent/caregiver
		Not clearly specified	Outcomes related to sleep but not clearly specified.	Child, parent/caregiver
		Sleep disturbance	Disturbances in the amount or quality of sleep, night waking.	Child, parent/caregiver
		Sleep duration	Includes sleep quantity, hours of total daily sleep duration, total minutes of sleep in 24-hour period, the average length of a sleep bout and duration of individual sleep bouts, average night time sleep, sleep hours per night, sleep consecutive hours at night, rate of sleeping through the night.	Child, parent/caregiver
		Sleep efficiency	Includes time in bed awake.	Child, parent/caregiver
		Sleep environment	Physical environment in which sleeping takes place.	Child, parent/caregiver
		Sleep frequency	Frequency of sleep sessions.	Child
		Sleep latency	Includes minutes to fall asleep.	Child, parent/caregiver
		Sleep patterns	Includes napping or sleep patterns, timing of sleeps.	Child, parent/caregiver
		Sleep position	Sleep position.	Child
		Sleep problems	Includes major/ moderate sleep problems, difficulty sleeping, difficulty falling asleep in own bed, sleep reluctance.	Child
		Sleep quality	Quality of sleep.	Child, parent/caregiver

		Use of sleeping medications	Use of sleeping medications to assist sleep.	Parent/caregiver
Cognitive and executive functioning	Measurements of cognitive or executive functioning, including outcomes related to parent/caregiver knowledge, attitudes and beliefs <sup>122</sup>	Attention control	Includes ability to stay focused.	Child
		Attitudes	Includes attitudes towards obesogenic behaviours (e.g. cooking), a healthy lifestyle, nutrition, physical activity, feeding.	Child, parent/caregiver
		Awareness of behaviours	Includes awareness of physical activity behaviours and feeding practices.	Not specified/unclear
		Behavioural development	Includes the development of behaviours.	Child
		Beliefs	Includes beliefs in relation to feeding, healthy eating, physical activity, feeding.	Parent/caregiver
		Cognitive development	Includes communication, problem solving and personal social skills.	Child
		Developmental delay	Includes delays to the development of physical, emotional, social and communication skills.	Child
		Executive function	Includes tests for working memory, inhibition, shifting.	Child
		Health literacy	The skills and knowledge of a person to access, understand and use information to make decisions, and take action about health and healthcare, food, physical activity.	Parent/caregiver
		Knowledge	Includes knowledge of food, feeding, nutrition, physical activity, exercise, healthy eating, active play, sedentary behaviours, the sustainability consequences of food and toy selections, healthy lifestyles.	Child, parent/caregiver
		Language development	The process by which children come to understand and communicate language during early childhood.	Child
		Readiness to change	Includes motivation, readiness for lifestyle change.	Parent/caregiver
		Self-regulation of energy intake	Includes sensitivity to feelings of hunger and fullness, eating beyond satiety, appetite regulation.	Child, parent/caregiver
		Values	Includes values related to obesity preventive practices.	Parent/caregiver

Parent/caregiver practices	Measures of general parenting practices, not specifically related to feeding, sleep, sedentary behaviour, physical activity	Competence	Includes overall competence of the parents.	Parent/caregiver
		Co-parenting	Shared parenting responsibilities with at least one other parent/caregiver.	Parent/caregiver
		Not clearly specified	Outcomes related to parenting but not clearly specified.	
		Parental role-modelling	Includes parental role-modelling of general behaviours.	Parent/caregiver
		Parental warmth	Includes warmth towards child, anger with child.	Parent/caregiver
		Parent-child interaction	Parent-child interaction, time spent interacting.	Parent/caregiver
		Parenting style	Includes parental style in relation to general parenting, healthy behaviours, discipline, rules, anxiety, nurturance, involvement, routine, anxiety, parental authority, cry tolerance and limit setting abilities.	Parent/caregiver
		Responsiveness	Defined as the sensitive and accepting behaviours identified in a parent/caregiver toward a child.	Parent/caregiver
		Sensitive scaffolding	Includes parents' tendencies to structure activities in a developmentally appropriate manner that promotes self-regulation.	Parent/caregiver
		Social support	Includes type and availability of social support.	Parent/caregiver
Perceptions and preferences	Measures of perceptions of and preferences for relevant indicators	Activity preference or perception	Includes change in liking, degree of liking activity.	Child
		Food preference	Includes change in liking, degree of liking food.	Child
		Perception of family	Includes perceptions of family in relation to problem solving, communication, roles, affective responsiveness, affective involvement, behaviour control and general functioning.	Parent/caregiver
		Perception of infant intentionality	Perceived ability of infant to send messages on purpose, directly to someone to achieve a specific goal.	Parent/caregiver
		Perception of parent/caregiver	Perception of parent/caregiver influence on child's health behaviours.	Parent/caregiver

		influence on child's health behaviours		
		Perception of partner's attitude	Includes perceptions of partner's attitude to healthy behaviours, including complementary feeding.	Parent/caregiver
		Perception of patient centeredness	Includes perception of patient centredness with intervention encounter.	Parent/caregiver
		Perception of weight	Perception of weight, weight status, BMI, obesity risk.	Child, parent/caregiver
		Perception of adequacy of resources and barriers	Includes perceptions of time and resource barriers to meal preparation, adequacy of resources needed to plan and prepare meals.	Parent/caregiver
		Perception of intervention	Includes perception of intervention.	Parent/caregiver
Motor skill development	Measures of motor skills and physical literacy	Fundamental movement skills	Includes motor skills, locomotor skills (run, gallop, hop, leap, horizontal jump, slide and balance), object control skills (striking a stationary ball, stationary dribble, catch, kick, overhand throw and underhand roll, shuttle run (speed), standing long jump (speed strength), one leg stand (coordination, static balance), sit and reach (flexibility), and lateral jumping (coordination, strength endurance), motor agility, dynamic balance.	Child
		Motor milestone achievement	Includes achievement of gross motor milestones.	Child
		Physical literacy	Physical literacy is lifelong holistic learning acquired and applied in movement and physical activity contexts. It reflects ongoing changes integrating physical, psychological, social and cognitive capabilities.	Child

Environmental	Measures of the environment, including home, ECEC and other	ECEC environment	Includes physical childcare, preschool or kindergarten environment, service organisational and policies related to nutrition, physical activity.	Parent/caregiver
		Healthcare environment	Physical environment in which healthcare is accessed.	Parent/caregiver
		Nature relatedness	Includes nature relatedness.	Parent/caregiver
		Neighbourhood environment	Physical local environment.	Parent/caregiver
		Obesogenic home environment	Includes composite environmental measures of obesogenic environments.	Parent/caregiver
		Other home environment	Includes environmental exposure at home to tobacco smoke, alcohol and substance abuse, and home toxins.	Parent/caregiver
		Support for creating healthy environment	Includes support for creating healthy environments.	Parent/caregiver
Blood and lymphatic system	Measures of the blood, heart, blood vessels and the lymphatic system	Adiponectin	Adiponectin	Child
		Biomarkers	Biomarkers	Child
		Blood pressure	Blood pressure	Child, parent/caregiver
		Cardiometabolic risk	Cardiometabolic risk	Child
		Carotid thickness	Carotid thickness	Child
		Cholesterol	Cholesterol	Child
		Glucose	Glucose	Child, parent/caregiver
		Hemoglobin	Hemoglobin	Child
		Insulin	Insulin	Child
		Iron	Iron	Child
		Leptin	Leptin	Child
		Lipids	Lipids	Child, parent/caregiver
		Metabolic and inflammatory parameters	Metabolic and inflammatory parameters	Child
		Protein	Protein	Child



		Triglycerides	Triglycerides	Child
		Vitamin D	Vitamin D	Child
		Zinc	Zinc	Child
Quality of life	Measures of quality of life, including health-related quality of life	Health-related quality of life	Health-related quality of life	Child, parent/caregiver
Economic	Measures of resource use, cost, cost-effectiveness	Economic evaluation	Includes any form of economic evaluation, including cost-effectiveness analysis, cost-utility analysis.	
		Financial stress	Includes prevalence of financial stress.	Parent/caregiver
		Healthcare utilisation	Includes cost and quantity of health care or services used.	Parent/caregiver
		Intervention cost	Cost of intervention.	
		Productivity cost	Includes day's sick (child) or days leave to care for children (parents/caregivers).	Parent/caregiver
Oral health	Measures of oral health	Oral hygiene	Includes tooth-brushing and oral and dental behaviours.	Child
		Caries	Includes presence, number, rate and severity of caries.	Child
		Dental visits	Includes frequency of dental visits.	Child
Other	Other measures	Acculturation	Includes degree of assimilation to another culture.	Child, parent/caregiver
		Adverse events	Includes unintended adverse events or accidents experienced by child or parent/caregiver during the intervention.	Child, parent/caregiver
		Alcohol and drug use	Includes frequency or quantity of alcohol and drug use.	Parent/caregiver
		Awareness of issue	Includes awareness of obesity as an issue.	
		Care coordination	Includes care co-ordination between settings, providers.	Parent/caregiver
		Child maltreatment	Includes presence of child maltreatment.	Child
		Child safety	Includes parents' child safety behaviours relevant to prevention of burns, drowning, falls, and poisoning,	Parent/caregiver

			intentions to adopt child safety behaviours, beliefs about preventive behaviours.	
		Communication	Includes parental assessment of physician communication, family receipt of community based resource.	Parent/caregiver
		Eating disorders	Includes prevalence of eating disorders.	Child
		Gagging	Includes prevalence of gagging, choking during feeding.	Child
		Growth faltering	Includes measures of growth faltering.	Child
		Habit strength on targeted behaviours	Includes habit strength on targeted behaviours.	Parent/caregiver
		Hyperactivity	Includes presence of hyperactivity.	Child
		Intimate partner violence	Other outcomes that are not clearly specified.	Parent/caregiver
		Health goals	Includes prevalence of intimate partner violence.	Parent/caregiver
		Not clearly specified	Includes success in goal setting, achieving goals, obesogenic or other health goals.	Parent/caregiver
		Physiological health	Includes asthma, anemia, autonomic regulation, constipation, diarrhoea, musculoskeletal health, Acanthosis Nigrican, upper respiratory tract infection incidence, infections, saliva and stool samples, stunting, combined health behaviour scores or health status.	Child, parent/caregiver
		Pregnancy outcomes	Includes weight gain, gestational diabetes, gestational hypertension, pre-eclampsia, preterm delivery, weight for gestational age, birth weight, maternal exposure to tobacco smoke, prescribed medication use, alcohol and substance use.	Parent/caregiver
		Time spent in the bath	Includes time spent in the bath.	Child
Study-related	Study-related measures	Acceptability	Includes acceptability of the intervention.	
		Attendance	Includes intervention attendance.	

		Attrition	Includes attrition from the study.
		Compliance	Includes compliance to the intervention, study.
		Engagement	Includes engagement with intervention content, including character imitations.
		Feasibility	Includes intervention feasibility, practicality.
		Feedback	Includes program feedback, perceptions of participants on aspects of the intervention, satisfaction.
		Fidelity	Includes fidelity of the intervention.
		Implementation	Includes implementation of the intervention.
		Process evaluation	Includes evaluation of processes.
		Recruitment rate	Includes intervention recruitment rate.
		Use of technology	Includes use of technology.

*Table notes:* BMI= Body mass index. COS= Core Outcome Set. DVD= Digital video disc. ECEC= Early education and care. TV= Television.

**Table S5.1 – Frequency of outcome domain reporting in all included studies**

Study no.	Study title	Outcome domain																		Ttl
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or	
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children		#				*			#										3
2	MAGIC (Movement and Activity Glasgow Intervention in Children)	*#		#		#				#				#		#				6
3	PRIMROSE: Primary prevention of childhood obesity at child health centres	*	#	#	#	#														5
4	Reduction of food-related fears and promotion of healthy dietary habits in children	#	* #				*	#												4
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial	*																		1
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in pre-schoolers (ABC)	#		*	#									#	#		#			6
7	Increasing vegetable intake in children		*							#										2
8	Prevention of obesity in children	#	* #	*	#	*	#					#								7
9	Dundee Family Health Study 4H (Healthy Habits, Happy Homes Scotland)	*#		*		*#	#		#	*							#			7
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy	#	#	#		#		*		#		#			#					8
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)	*#	#	#	#	#		#	#		#	#			#	#		#		12
12	A Three Arm RCT of Communicating Healthy Beginnings Advice by Telephone to Mothers with Infants to Prevent Childhood Obesity (CHAT)	*	* #	#		#	#													5

Study no.	Study title	Outcome domain																		Ttl.
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or	
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service (SMS) in preventing obesity of children aged 2-3 years (Linked CHAT)	*	#	#		#											#			5
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.	*	#	#	#		#	#				#	#				#	*		10
15	Baby Milk Study: establishing a healthy growth trajectory from birth	*#	#		#		#	#	#	#							#	#		9
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants	#		*		#			#		#			#						6
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood	#	*		#		*					*								5
18	An app-based intervention to improve the packing of healthy food in children’s lunchboxes in childcare.		#																	1
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland	*#	#	*		*#			#	*										6
20	Addressing Obesity in Early Care and Education Settings	*	#	#												#				4
21	Healthy Change: intervention in maternal perception of pre-school child weight	#					#						*#		#					4
22	Helping pre-school children to avoid obesity	*	#		#		#													4
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.			*#		#		#			#				#					5
24	Health and Wellbeing During the Preschool Years (Mind, Exercise, Nutrition, Do It! (MEND) 2-4)	#	* #	#		#	#	#												6
	Study title	Outcome domain																		Ttl.

Study no.		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or	
25	Healthy Babies Through Infant Centered Feeding (Healthy Babies)	#			#		*	#				*								5
26	A nutrition intervention research project for low-income mothers of toddlers (The Healthy Toddlers Trial)	#	*		#		*	#												5
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial. (InFANT Extend)	*	* #	*#	#	*#	#	#												7
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series	#	#	#	#			*				*								6
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 (Trademark) problem.	#		#		#		*					#							5
30	Physical activity in disadvantaged pre-schools (Jump Start)	#		*#	#	#		#		#	#			#				#		9
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?	#	#	*		*		#			#									6
32	An educational intervention to promote healthy lifestyles in preschool aged children	#	#	#		#					*									5
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry.		* #							#										2
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children	*	#	#	#	#	#		#											7
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children. (HYHD)	#	#	*#	#	#		#				#		#						8
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children	#	* #	#		#	#		#									#		7

Study no.	Study title	Outcome domain																		Ttl.
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or	
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children	#	*		#			#	*			#				#				7
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial	*	*	*		*	*	*		#		#								8
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers	#	*				#	#												4
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial	#	#				*				#					#			#	6
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"	#	*	*		*		*						#	#	#	#	#		10
42	Evaluation of the health effects of JolinchenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany	*	#	#	#	#		#						#			#			8
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security	*	#	#			#													4
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)	*		#			#	#												4
45	Family-based Outcome Results	*	*	*		*							*							5
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers (Growing Healthy)	*	*		*	*		*				#								6
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities	*#	* #	*		*		#												5

Study no.	Study title	Outcome domain																		Ttl.
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or	
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children (Fit 5 Kids)	#		#		*														3
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)	#	* #	#		*#	* #	#	* #	#										8
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)	*	* #	*										#						4
51	Míranos! Program, a Preschool Obesity Prevention RCT	*	#	#	#	#		#	#			#	#	#						10
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention (Green Light Plus)	*#																		1
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity	*		#	#		#								#					5
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context	*	#	#	#	#	#		#	*		#								9
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)	*#	#	#	#			#	#		#					#		#		9
56	Prevention of Obesity in Toddlers (PROBIT) Trial.	*#	#			#														3
57	Preschool Based Obesity Prevention Effectiveness Trial	*	*	*	*	*		*			*									7
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)	*#	* #	*	#	*		#	*				#							8
59	SDSU MOVE/Me Nuevo Project	*#	#	#		#	#				#									6
60	FirstStep2Health Intervention	#	#	*#	#	#	#	#				#			#					9
61	In-home Obesity Prevention to Reach Low-income Infants	*#	#	#	#		#									#				6
62	Early Childhood Obesity Prevention Program (ECHO)	#	* #	*#	* #	* #	*		*											7
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers	*#	#		#	#	#	#	#											7
64	The Sleeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project	*#	* #		#		#		*											5



Study no.	Study title	Outcome domain																		Ttl.
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or	
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity: The ToyBox-study	*		#		#														3
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE)	*	*	*		*					#				#					6
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)	*	#				#			#		#								6
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)	*	* #		#		*					#								5
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)	#			#					*										3
70	Starting Healthy Staying Healthy Pilot Trial		*		#	*		#												4
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial (MINISTOP)	*	#	#	#	#					#									6
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)	#	*	*	#			#								#				6
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy (Steps to Growing Up Healthy (Added Value))	*	* #	*	#		#								#					6
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)	*	#	#	#	#	#		#											7
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)	#								*	#		#							4
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)	#	* #	#		#	#												#	6
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers	#	*			*	#		#								*	#		7

Study no.	Study title	Outcome domain																			Ttl.
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or		
78	Mothers And CareGivers Investing in Children (MAGIC)	*#	#				#													3	
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care	*	#																	2	
80	The Optimising Family Engagement in HENRY OFTEN Study (HENRY OFTEN)		#	#	#	#	#			*								#		7	
81	Healthy Children, Healthy Families: Parents Making A Difference (HCHF)		* #		#		*				*									4	
82	Healthy Sleeping and Feeding During Infancy	#							*											2	
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories Study (INSIGHT)	*#	#		#		#		#					#					#	7	
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)	*#	#	#	#	#		#	#	#	#				#		#			11	
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)	*	#				*				*					*				5	
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)	*	#				*				*					*				5	
87	Children's Healthy Living Community Randomized Trial (CHL)	*	#	##		#			#		*									6	
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)	#	#		#	*#														5	
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)	*	#				#			#										4	
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools	#	#	*#	#	#			#		#									7	
91	The Baby Act Trial	*#	#	#	#		#		#		#					#		#		9	
92	SPOON: Sustained Program for Improving Nutrition – Colombia (SPOON Colombia)	*#	#					#			#									4	

Study no.	Study title	Outcome domain																		Ttl.
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or	
93	Protocol Feasibility Study of HENRY	*#		#	#		#			*#									#	6
94	Wellness Action Plan Trial Addressing Childhood Obesity		*#	*#									#							3
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)	#	*																	2
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)	#	#				*													3
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres	#	*	*										*	#					5
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)	#	*#				*								#					4
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds (MINI STOP 2.0)	#	*	*#	#	*				#									#	7
100	Healthy Homes, Healthy Habits (HABITS)	*	#		#		#				#				#					6
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva (NEHLM)	*																	#	2
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial	*		#										#						3
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)	*#	#	*#		#	#	*#	#		#			#			#			10
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers (BFB)	#	*#				#													3
105	Prevention Through Activity in Kindergarten Trial (PAKT)	#		*		#					#			*#		#				6
106	Preschoolers Activity Trial	#		*#	#	#		#						#						6

Study no.	Study title	Outcome domain																		Ttl.
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or	
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a Cluster-randomized Trial	#	* #																	2
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)		*		*			*												3
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a Cluster-randomized Trial	#		*	#				#							#	#			6
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'la bouge)	#		#										*			#			4
111	Promoting Healthy Development With the Recipe 4 Success Intervention	*	*		*		*	*				*								6
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study	*	#	#											#					4
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?	#	* #		#															3
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)		* #		#			#			#	#								5
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)	#	* #	*#	#		#	#					*#		*					8
116	Opaque Bottle Study	*	*				*	*					#							5
117	Guelph Family Health Study: Full Study (GFHS)	*#	#	#		#	#	#	#									#		8
118	Our Year of Healthy Living	#	* #	*#											#					4
119	Healthy Start to Feeding Intervention	*	*							#										4
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)	#	* #		#		#								#					5

Study no.	Study title	Outcome domain																		Ttl.
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or	
121	Media Use in Preschooler Study (MUPS)	#		#		*#	#													4
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity (GreenLight)	*#	#		#	#		#			#		#							7
123	Anticipatory Guidance to Prevent Childhood Obesity (MOMS)	*#	#		#	#	#						#							6
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits (WE CARE01)	#						#			#					#		*#		5
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.		*	*				*		#	*									5
126	The BeeBOFT Study.	*	*	*	#	*		#				#								7
127	The “Together Happy!” (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.	*	#	#	#	#	#		#			#								8
128	PreSchool@HealthyWeight	#	#	#	*			#						#						6
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months	*	*	*	#	*	*	#	#		#					#				10
130	Prevention of Overweight in Infancy (POI NZ)	*#	#	#	#	#	#	#	#					#						9
131	Baby-led introduction to solids (BLISS)	*	#		#		#			#	#		#	#		#				9
132	Sino-Canadian Healthy Life Trajectory Initiative (SCHeLTI)	*#																		1
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska	*	*																	2
134	Tools For Teen Moms: Reducing Infant Obesity Risk (TFTM)	*			#		#					#								4
135	Preventing American Indian Children From Becoming Overweight	*	#																	2
136	Health, Education, and Relationship-building for Adolescents- Moms and Tots (Project HERA)	#	#	#	#	#				*										6

Study no.	Study title	Outcome domain																			Ttl.
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or		
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development (CHiMINCs)	*	*							#	*			*						5	
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention (NOURISH)	#	*		#		#													4	
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based Randomised Controlled Trial (Healthy Beginnings (HBT))	*	* #	*#	#	*#	#	#		#		#								9	
140	Start for Life	*		*																2	
141	Food Friends: Get Movin’ With Mighty Moves	*		*										*						3	
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program	*		*																2	
143	Prevention of Overweight among Pre-school and school children project (POP)	*	*	*		*														4	
144	An intervention to reduce television viewing by preschool children	*				*														2	
145	the Kindergarten Mobil project (KiMO)	*												*						2	
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children (hi-Ho)	*	*	*		*				*										5	
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens	*		*				*					*							4	
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children	*																		1	

Study no.	Study title	Outcome domain																		Ttl.
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or	
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial	*	*	*		*														4
150	An intervention to preschool children for reducing screen time: a randomized controlled trial	*			*	*	*													4
151	Tooty Fruity Vegie	*	#	#		#	#							#						6
152	HomeStyles randomized controlled trial	#	* #	*#	* #	*#	*	#	#		#									9
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran (I.H.S)	*	*	*				*									*			5
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)	*	#		#			#	#	#	#	#	#							9
155	Guelph Family Health Study: Pilot Study	*#	#	#		#	#		#	*						#				8
156	Starting Early Obesity Prevention Program	*	*	*		*	*	*		#										7
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism Randomized Control Trial (EMPOWER)		*	*	#	*		#							#					6
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta	*	* #		#	*		#	#											7
159	Enhancing Caregiver-Infant Communication to Prevent Obesity (LITTLe Me)	*	#		#		#				#		#							6
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity	*	* #	*#	*	*#	#	*	#											8
161	Interactive Malaysian Childhood Healthy Lifestyle Program Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial (i-MaChEL)	*	#	#	#							#			#		#			7

*Table notes:* Shaded boxes indicate studies that reported outcome domain. \* Outcome domain was reported as a primary outcome. # Outcome domain was reported as a secondary outcome. An= Anthropometry. Bl= Blood and lymphatic system. C= Cognitive/executive functioning. DI= Dietary intake. E= Emotional functioning/wellbeing. Ec= Economic. En= Environmental. F= Feeding. M= Motor skill development. O= Other. Or= Oral health. P= Parent/caregiver practices. PA= Physical activity. PP= Perceptions and preferences. Q= Quality of life. S= Sleep. SB= Sedentary behaviour. St= Study-related.



**Supplementary File S5.2 – Frequency of outcome domain reporting in studies with participant age at commencement ≤1 year, stratified by the behavioural focus of the intervention**

Study no.	Study title	Outcome domain																	
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or
Nutrition																			
Not included here, as Core Outcome Set exists <sup>121</sup>																			
Physical activity																			
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants	#		*		#			#		#			#					
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial	*		#										#					
Sedentary behaviour																			
No included studies																			
Multiple risk factors																			
3	PRIMROSE: Primary prevention of childhood obesity at child health centres	*	#	#	#	#													
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)	*#	#	#	#	#		#	#		#	#			#	#		#	
12	A Three Arm RCT of Communicating Healthy Beginnings Advice by Telephone to Mothers with Infants to Prevent Childhood Obesity (CHAT)	*	* #	#		#	#												
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial. (InFANT Extend)	*	* #	*#	#	*#	#	#											
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial	*	*	*		*	*	*		#		#							
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention (Green Light Plus)	*#																	

Study no.	Study title	Outcome domain																	
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or
56	Prevention of Obesity in Toddlers (PROBIT) Trial.	*#	#			#													
61	In-home Obesity Prevention to Reach Low-income Infants	*#	#	#	#		#									#			
62	Early Childhood Obesity Prevention Program (ECHO)	#	* #	*#	* #	*	*		*										
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers	*#	#		#	#	#	#	#										
64	The Sleeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project	*#	* #		#		#		*										
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)	#	* #	#		#	#												#
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers	#	*			*	#		#								*	#	
82	Healthy Sleeping and Feeding During Infancy	#							*										
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories Study (INSIGHT)	*#	#		#		#		#					#					#
91	The Baby Act Trial	*#	#	#	#		#		#		#					#		#	
93	Protocol Feasibility Study of HENRY	*#		#	#		#			* #									#
100	Healthy Homes, Healthy Habits (HABITS)	*	#		#		#				#				#				
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study	*	#	#											#				
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity (GreenLight)	*#	#		#	#		#			#		#						
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits (WE CARE01)	#						#			#					#		*#	

Study no.	Study title	Outcome domain																		
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or	
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.		*	*				*		#	*									
126	The BeeBOFT Study.	*	*	*	#	*		#				#								
127	The “Together Happy!” (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.	*	#	#	#	#	#		#			#								
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months	*	*	*	#	*	*	#	#		#					#				
130	Prevention of Overweight in Infancy (POI NZ)	*#	#	#	#	#	#	#	#					#						
132	Sino-Canadian Healthy Life Trajectory Initiative (SCHeLTI)	*#																		
135	Preventing American Indian Children From Becoming Overweight	*	#																	
136	Health, Education, and Relationship-building for Adolescents- Moms and Tots (Project HERA)	#	#	#	#	#				*										
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development (CHIMINCs)	*	*							#	*			*						
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based Randomised Controlled Trial (Healthy Beginnings (HBT))	*	* #	*#	#	*#	#	#		#		#								
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial	*	*	*		*														
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)	*	#		#			#	#	#	#	#	#							
156	Starting Early Obesity Prevention Program	*	*	*		*	*	*		#										

Study no.	Study title	Outcome domain																	
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta	*	* #		#	*		#	#										

*Table notes:* Shaded boxes indicate studies that reported outcome domain. \* Outcome domain was reported as a primary outcome. # Outcome domain was reported as a secondary outcome. Studies where participant age was not clearly specified have been omitted here. An= Anthropometry. Bl= Blood and lymphatic system. C= Cognitive/executive functioning. Di= Dietary intake. E= Emotional functioning/wellbeing. Ec= Economic. En= Environmental. F= Feeding. M= Motor skill development. O= Other. Or= Oral health. P= Parent/caregiver practices. PA= Physical activity. PP= Perceptions and preferences. Q= Quality of life. S= Sleep. SB= Sedentary behaviour. St= Study-related.

**Supplementary File S5.3 – Frequency of outcome domain reporting in studies with participant age at commencement >1 to 5 years, stratified by the behavioural focus of the intervention**

Study no.	Study title	Outcome domain																		
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or	
Nutrition																				
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children		#				*			#										
4	Reduction of food-related fears and promotion of healthy dietary habits in children	#	* #				*	#												
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial	*																		
7	Increasing vegetable intake in children		*							#										
18	An app-based intervention to improve the packing of healthy food in children’s lunchboxes in childcare.		#																	
26	A nutrition intervention research project for low-income mothers of toddlers (The Healthy Toddlers Trial)	#	*		#		*	#												
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry.		* #							#										
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)	*#	#	#	#			#	#		#					#		#		
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)	*	#				#				#		#							
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care	*	#																	

Study no.	Study title	Outcome domain																		
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or	
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)	#	#				*													
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)	#	* #				*								#					
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a Cluster-randomized Trial	#	* #																	
111	Promoting Healthy Development With the Recipe 4 Success Intervention	*	*		*		*	*				*								
118	Our Year of Healthy Living	#	* #	*#											#					
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)	#	* #		#		#								#					
Physical activity																				
2	MAGIC (Movement and Activity Glasgow Intervention in Children)	*#		#		#				#				#		#				
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in pre-schoolers (ABC)	#		*	#									#	#		#			
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.			*#		#		#			#				#					
30	Physical activity in disadvantaged pre-schools (Jump Start)	#		*#	#	#		#		#	#			#				#		
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools	#	#	*#	#	#			#		#									
105	Prevention Through Activity in Kindergarten Trial (PAKT)	#		*		#					#			*#		#				
106	Preschoolers Activity Trial	#		*#	#	#		#						#						

Study no.	Study title	Outcome domain																	
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a Cluster-randomized Trial	#		*	#				#							#	#		
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'la bouge)	#		#										*			#		
140	Start for Life	*		*															
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program	*		*															
<i>Sedentary behaviour</i>																			
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?	#	#	*		*		#			#								
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children (Fit 5 Kids)	#		#		*													
70	Starting Healthy Staying Healthy Pilot Trial		*		#	*		#											
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)	#	#		#	*#													
144	An intervention to reduce television viewing by preschool children	*				*													
150	An intervention to preschool children for reducing screen time: a randomized controlled trial	*			*	*	*												
<i>Multiple risk factors</i>																			
8	Prevention of obesity in children	#	* #	*	#	*	#					#							
9	Dundee Family Health Study 4H (Healthy Habits, Happy Homes Scotland)	*#		*		*#	#		#	*							#		
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy	#	#	#		#		*		#		#			#				

Study no.	Study title	Outcome domain																		
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or	
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service (SMS) in preventing obesity of children aged 2-3 years (Linked CHAT)	*	#	#		#											#			
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.	*	#	#	#		#	#				#	#				#	*		
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland	*#	#	*		*#			#	*#										
20	Addressing Obesity in Early Care and Education Settings	*	#	#											#					
21	Healthy Change: intervention in maternal perception of pre-school child weight	#					#						*#		#					
22	Helping pre-school children to avoid obesity	*	#		#		#													
24	Health and Wellbeing During the Preschool Years (Mind, Exercise, Nutrition, Do It! (MEND) 2-4)	#	*#	#		#	#	#												
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series	#	#	#	#			*				*								
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 (Trademark) problem.	#		#		#		*					#							
32	An educational intervention to promote healthy lifestyles in preschool aged children	#	#	#		#					*									
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children	*	#	#	#	#	#		#											
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children. (HYHD)	#	#	*#	#	#		#				#		#						



Study no.	Study title	Outcome domain																	
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children	#	* #	#		#	#		#									#	
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children	#	*		#			#	*			#				#			
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"	#	*	*		*		*						#	#	#	#	#	
42	Evaluation of the health effects of JolinchenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany	*	#	#	#	#		#						#			#		
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security	*	#	#			#												
45	Family-based Outcome Results	*	*	*		*							*						
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers (Growing Healthy)	*	* #		* #	*		* #				#							
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities	*#	* #	*		*		#											
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)	#	* #	#		*#	* #	#	* #	#									
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)	*	* #	*										#					
51	Míranos! Program, a Preschool Obesity Prevention RCT	*	#	#	#	#		#	#			#	#	#					

Study no.	Study title	Outcome domain																	
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity	*		#	#		#								#				
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context	*	#	#	#	#	#		#	*		#							
57	Preschool Based Obesity Prevention Effectiveness Trial	*	*	*	*	*		*			*								
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)	*#	* #	*	#	*		#	*				#						
59	SDSU MOVE/Me Muevo Project	*#	#	#		#	#				#								
60	FirstStep2Health Intervention	#	#	*#	#	#	#	#				#			#				
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity: The ToyBox-study	*		#		#													
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE)	*	*	*		*					#				#				
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)	#			#					*									
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial (MINISTOP)	*	#	#	#	#					#								
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)	#	*	*	#			#								#			
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy (Steps to Growing Up Healthy (Added Value))	*	* #	*	#		#								#				
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)	*	#	#	#	#	#		#										
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)	#								*	#		#						

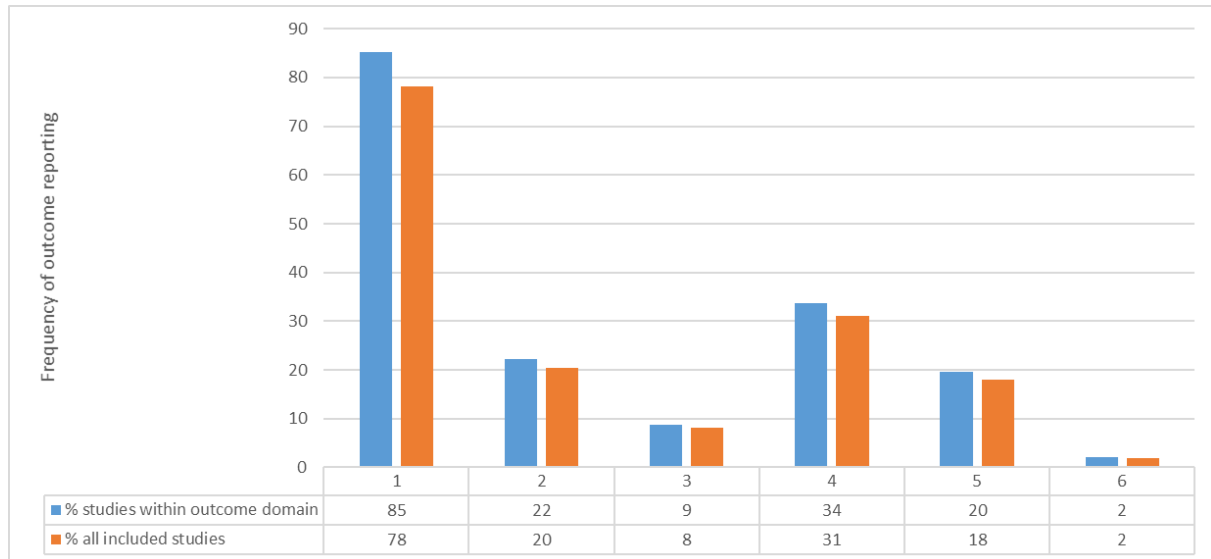
Study no.	Study title	Outcome domain																	
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or
81	Healthy Children, Healthy Families: Parents Making A Difference (HCHF)		* #		#		*					*							
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)	*#	#	#	#	#		#	#	#	#				#		#		
87	Children's Healthy Living Community Randomized Trial (CHL)	*	#	##		#			#		*								
94	Wellness Action Plan Trial Addressing Childhood Obesity		* #	*#									#						
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres	#	*	*										*	#				
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds (MINI STOP 2.0)	#	*	*#	#	*				#									#
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva (NEHLM)	*																	#
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)	*#	#	*#		#	#	* #	#		#			#			#		
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)	#	* #	*#	#		#	#					*#		*				
117	Guelph Family Health Study: Full Study (GFHS)	*#	#	#		#	#	#	#									#	
128	PreSchool@HealthyWeight	#	#	#	*			#						#					
143	Prevention of Overweight among Pre-school and school children project (POP)	*	*	*		*													
145	the Kindergarten Mobil project (KiMO)	*												*					
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children (hi-Ho)	*	*	*		*				*									

Study no.	Study title	Outcome domain																	
		An	Di	PA	E	SB	F	C	S	St	O	P	PP	M	En	Bl	Q	Ec	Or
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children	*																	
150	An intervention to preschool children for reducing screen time: a randomized controlled trial	*			*	*	*												
151	Tooty Fruity Vegie	*	#	#		#	#							#					
152	HomeStyles randomized controlled trial	#	* #	*#	* #	*#	*	#	#		#								
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran (I.H.S)	*	*	*				*									*		
155	Guelph Family Health Study: Pilot Study	*#	#	#		#	#		#	*						#			
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism Randomized Control Trial (EMPOWER)		*	*	#	*		#							#				
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity	*	* #	*#	*	*#	#	*	#										
161	Interactive Malaysian Childhood Healthy Lifestyle Program Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial (i-MaChEL)	*	#	#	#							#			#		#		

*Table notes:* Shaded boxes indicate studies that reported outcome domain. \* Outcome domain was reported as a primary outcome. # Outcome domain was reported as a secondary outcome. Studies where participant age was not clearly specified have been omitted here. An= Anthropometry. Bl= Blood and lymphatic system. C= Cognitive/executive functioning. Di= Dietary intake. E= Emotional functioning/wellbeing. Ec= Economic. En= Environmental. F= Feeding. M= Motor skill development. O= Other. Or= Oral health. P= Parent/caregiver practices. PA= Physical activity. PP= Perceptions and preferences. Q= Quality of life. S= Sleep. SB= Sedentary behaviour. St= Study-related.

## Supplementary File S6.1 – Frequency of outcome reporting – Anthropometry outcome domain

Figure S6.1 – Frequency of anthropometric outcomes reported within the anthropometry outcome domain and across all studies



*Figure notes:* 1= Body mass index. 2= Body composition. 3= Height\*. 4= Weight\*. 5= Circumference. 6= Not clearly specified. \*= Although height and weight is used to calculate body mass index, these numbers reflect studies which explicitly reported the collection of these outcomes within the relevant trial registration records.

Table S6.1 – Outcomes reporting in the Anthropometry outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	1	2	3	4	5	6
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children						
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction	*				*	
3	PRIMROSE: Primary prevention of childhood obesity at child health centers	*				*	
4	Reduction of food-related fears and promotion of healthy dietary habits in children	*		*	*		
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial			*	*		
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers	*	*	*	*		
7	Increasing vegetable intake in children						
8	Prevention of obesity in children	*					
9	Dundee Family Health Study	*	*				

Study No.	Study title	1	2	3	4	5	6
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy	*	*	*	*		
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)	*			*	*	
12	The CHAT study	*					
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years	*					
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.	*					
15	Baby Milk Study: establishing a healthy growth trajectory from birth		*		*	*	
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants					*	
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood				*		
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.						
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland	*	*				
20	Addressing Obesity in Early Care and Education Settings	*			*		
21	Healthy Change: intervention in maternal perception of pre-school child weight	*	*				
22	Helping pre-school children to avoid obesity	*					
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.						
24	Health and Wellbeing During the Preschool Years	*					
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)				*		
26	A nutrition intervention research project for low-income mothers of toddlers				*		
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)	*				*	
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series	*			*	*	
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.	*					
30	Physical activity in disadvantaged pre-schools	*					
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?				*		

Study No.	Study title	1	2	3	4	5	6
32	An educational intervention to promote healthy lifestyles in preschool aged children	*					
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry						
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children	*					
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children	*	*		*		
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children	*					
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children			*	*		
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial	*			*		
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers				*		
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial		*		*		*
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"	*	*			*	
42	Evaluation of the health effects of JolinchenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany	*	*				
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security	*					
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)	*					
45	Family-based Outcome Results	*	*				
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers	*					
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities	*					
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children	*				*	
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)	*					
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)	*					
51	Míranos! Program, a Preschool Obesity Prevention RCT	*					
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention	*					
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity	*	*		*	*	

Study No.	Study title	1	2	3	4	5	6
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context	*					
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)	*	*	*	*	*	
56	Prevention of Obesity in Toddlers (PROBIT) Trial	*					
57	Preschool Based Obesity Prevention Effectiveness Trial	*					
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)	*					
59	SDSU MOVE/Me Muevo Project	*	*			*	
60	FirstStep2Health Intervention	*					
61	In-home Obesity Prevention to Reach Low-income Infants				*	*	
62	Early Childhood Obesity Prevention Program (ECHO)				*		
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers	*					
64	The Sleeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project	*	*		*		
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity:The ToyBox-study	*					
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) (CHILE)	*					
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)	*					
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)	*	*				
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)	*					
70	Starting Healthy Staying Healthy Pilot Trial						
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial		*				
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)	*	*				
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy	*					
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)	*					
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)	*					*
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)	*					
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers				*		
78	Mothers And careGivers Investing in Children (MAGIC)	*					
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care	*					
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)						
81	Healthy Children, Healthy Families: Parents Making A Difference						



Study No.	Study title	1	2	3	4	5	6
82	Healthy Sleeping and Feeding During Infancy	*			*		
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study	*			*		
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)	*				*	
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)	*		*	*		
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)	*		*	*		
87	Children's Healthy Living Community Randomized Trial (CHL)	*				*	
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)	*					
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)				*		
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools	*	*			*	
91	The Baby Act Trial			*	*	*	
92	SPOON: Sustained Program for Improving Nutrition - Colombia	*		*	*	*	
93	Protocol Feasibility Study of HENRY	*					
94	Wellness Action Plan Trial Addressing Childhood Obesity						
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)	*					
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)	*					
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres	*				*	
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)	*					
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds	*					
100	Healthy Homes, Healthy Habits (HABITS)				*		
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva			*	*		
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial		*		*	*	
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)	*	*				
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers				*		
105	Prevention Through Activity in Kindergarten Trial (PAKT)	*	*				
106	Preschoolers Activity Trial	*	*		*		
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster randomized trial	*	*			*	
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)						

Study No.	Study title	1	2	3	4	5	6
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial	*	*			*	
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'là bouge)	*					
111	Promoting Healthy Development With the Recipe 4 Success Intervention				*		
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study	*	*				
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?	*					
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)						
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)	*		*	*		
116	Opaque Bottle Study	*	*			*	
117	Guelph Family Health Study: Full Study (GFHS)	*	*			*	
118	Our Year of Healthy Living (Formative Research & Intervention)	*			*		
119	Healthy Start to Feeding Intervention	*					
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)	*					
121	Media Use in Preschooler Study (MUPS)	*					
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity	*					
123	Anticipatory Guidance to Prevent Childhood Obesity	*					
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits	*					
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.						
126	The BeeBOFT Study	*				*	
127	The Together Happy (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.	*			*		
128	PreSchool@HealthyWeight	*	*				
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months	*					
130	Prevention of Overweight in Infancy	*	*				*
131	Baby-led introduction to solids (BLISS)	*					
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)	*	*		*		
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska	*					
134	Tools For Teen Moms: Reducing Infant Obesity Risk	*					
135	Preventing American Indian Children From Becoming Overweight	*					
136	Project HERA (Health, Education, and Relationship-building for Adolescents- Moms and Tots)	*					
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development	*			*		

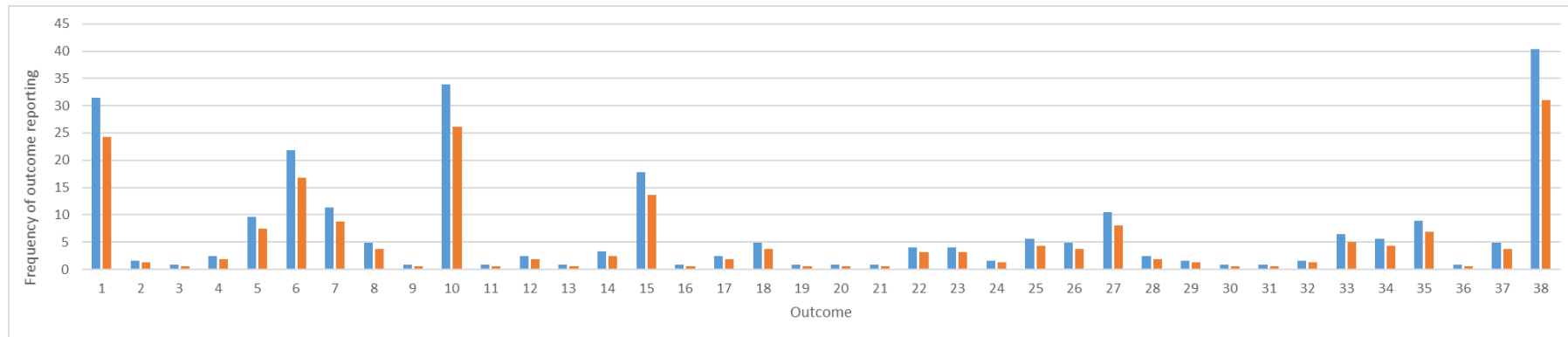
Study No.	Study title	1	2	3	4	5	6
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention	*			*		
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial	*			*	*	
140	Start for Life	*					
141	Food Friends: Get Movin' With Mighty Moves	*					
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program				*		
143	The POP (Prevention of Overweight among Pre-school and school children) project	*					
144	An intervention to reduce television viewing by preschool children	*	*				
145	The Kindergarten Mobil (KiMo)-project	*			*		
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children	*			*		
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens	*					
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children	*					
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial	*					
150	An intervention to preschool children for reducing screen time: a randomized controlled trial	*					
151	Tooty Fruity Veggie	*				*	
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors	*					
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran	*		*	*	*	
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)	*			*		
155	Guelph Family Health Study: Pilot Study	*	*			*	
156	Starting Early Obesity Prevention Program	*			*		
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial						
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta	*			*		
159	Enhancing Caregiver-Infant Communication to Prevent Obesity	*					
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity	*					

Study No.	Study title	1	2	3	4	5	6
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial	*					

*Table notes:* 1= BMI. 2= Body composition. 3= Height<sup>^</sup>. 4= Weight<sup>^</sup>. 5= Circumference. 6= Not clearly specified. <sup>^</sup>= Although height and weight is used to calculate BMI, shaded boxes reflect studies which explicitly reported the collection of these outcomes within the relevant trial registration records.

## Supplementary File S6.2 – Frequency of outcome reporting – Dietary intake outcome domain

Figure S6.2 – Frequency of outcomes reported within the dietary intake outcome domain and across all studies



*Figure notes:* 1= Beverages intake. 2= Breakfast food intake. 3= Carbohydrate intake. 4= Dairy intake. 5= Diet quality. 6= Dietary intake. 7= Fat intake. 8= Fibre intake. 9= Food advertised as healthy for children. 10= Fruit and vegetable intake. 11= Glycemic load or index. 12= Grains, breads, cereals intake. 13= Home prepared food intake. 14= Meat, poultry, fish intake. 15= Non-core food and drink intake. 16= Not clearly specified. 17= Nutrients. 18= Out of home foods intake. 19= Processed foods intake. 20= Protein intake. 21= Sodium intake. 22= Total and added sugars intake. 23= Desire for drinks. 24= Dietary intentions. 25= Eating in response to emotion. 26= Enjoyment of food. 27= Food environment. 28= Food security. 29= Food variety. 30= Hunger. 31= Interest in wine. 32= Meal patterns. 33= Role modelling of healthy eating. 34= Food neophobia. 35= Satiety responsiveness. 36= Skin caretonoids. 37= Slowness in eating. 38= Published COS.

Table S6.2.1 – Frequency tables, outcomes reported within the dietary intake outcome domain and across all studies

Outcome	1	2	3	4	5	6	7	8	9	10	11	12	13
% studies within outcome domain	31	2	1	2	10	22	11	5	1	34	1	2	1
% all included studies	24	1	1	2	7	17	9	4	1	26	1	2	1

Outcome	14	15	16	17	18	19	20	21	22	23	24	25	26	27
% studies within outcome domain	3	18	1	2	5	1	1	1	4	4	2	6	5	10
% all included studies	2	14	1	2	4	1	1	1	3	3	1	4	4	8

Outcome	28	29	30	31	32	33	34	35	36	37	38
% studies within outcome domain	2	2	1	1	2	6	6	9	1	5	40
% all included studies	2	1	1	1	1	5	4	7	1	4	31

*Table notes:* 1= Beverages intake. 2= Breakfast food intake. 3= Carbohydrate intake. 4= Dairy intake. 5= Diet quality. 6= Dietary intake. 7= Fat intake. 8= Fibre intake. 9= Food advertised as healthy for children. 10= Fruit and vegetable intake. 11= Glycemic load or index. 12= Grains, breads, cereals intake. 13= Home prepared food intake. 14= Meat, poultry, fish intake. 15= Non-core food and drink intake. 16= Not clearly specified. 17= Nutrients. 18= Out of home foods intake. 19= Processed foods intake. 20= Protein intake. 21= Sodium intake. 22= Total and added sugars intake. 23= Desire for drinks. 24= Dietary intentions. 25= Eating in response to emotion. 26= Enjoyment of food. 27= Food environment. 28= Food security. 29= Food variety. 30= Hunger. 31= Interest in wine. 32= Meal patterns. 33= Role modelling of healthy eating. 34= Food neophobia. 35= Satiety responsiveness. 36= Skin caretonoids. 37= Slowness in eating. 38= Published COS.

Table S6.2.2 – Outcomes reporting in the Dietary Intake outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	
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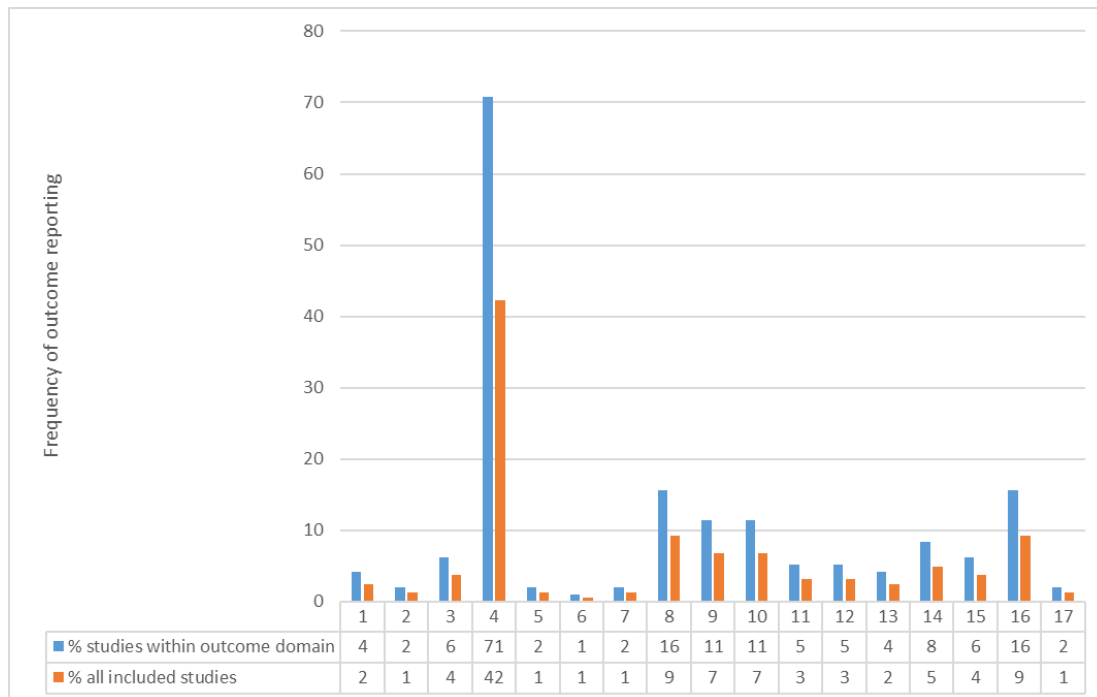
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*Table notes:* 1= Beverages intake. 2= Breakfast food intake. 3= Carbohydrate intake. 4= Dairy intake. 5= Diet quality. 6= Dietary intake. 7= Fat intake. 8= Fibre intake. 9= Food advertised as healthy for children. 10= Fruit and vegetable intake. 11= Glycemic load or index. 12= Grains, breads, cereals intake. 13= Home prepared food intake. 14= Meat, poultry, fish intake. 15= Non-core food and drink intake. 16= Not clearly specified. 17= Nutrients. 18= Out of home foods intake. 19= Processed foods intake. 20= Protein intake. 21= Sodium intake. 22= Total and added sugars intake. 23= Desire for drinks. 24= Dietary intentions. 25= Eating in response to emotion. 26= Enjoyment of food. 27= Food environment. 28= Food security. 29= Food variety. 30= Hunger. 31= Interest in wine. 32= Meal patterns. 33= Role modelling of healthy eating. 34= Food neophobia. 35= Satiety responsiveness. 36= Skin caretonoids. 37= Slowness in eating. 38= Published COS

### Supplementary File S6.3 – Frequency of outcome reporting – Physical activity outcome domain

Figure S6.3 – Frequency of outcomes reported within the physical activity outcome domain and across all studies



*Figure notes:* 1= Active transport. 2= Active indoor play. 3= Co-participation. 4= Physical activity. 5= Encouragement of PA. 6= Energy expenditure. 7= Enjoyment of PA and playing. 8= Not clearly specified. 9= Organised PA. 10= Outdoor time. 11= PA environment. 12= PA parenting practices. 13= Physical fitness. 14= Role modelling of PA. 15= Tummy time. 16= Unorganised PA. 17= Floor based play time. PA= physical activity.

Table S6.3 – Outcomes reporting in the Physical Activity outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children																	
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction				*													
3	PRIMROSE: Primary prevention of childhood obesity at child health centers		*		*					*	*				*		*	
4	Reduction of food-related fears and promotion of healthy dietary habits in children																	
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial																	
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in pre-schoolers				*													
7	Increasing vegetable intake in children																	
8	Prevention of obesity in children				*													
9	Dundee Family Health Study				*													
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy				*													

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)								*									
12	The CHAT study	*			*					*	*					*	*	
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years	*			*					*	*						*	
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.								*									
15	Baby Milk Study: establishing a healthy growth trajectory from birth																	
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants															*		
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood																	
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.																	
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland				*													

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
20	Addressing Obesity in Early Care and Education Settings				*													
21	Healthy Change: intervention in maternal perception of pre-school child weight																	
22	Helping pre-school children to avoid obesity																	
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.				*										*			
24	Health and Wellbeing During the Preschool Years				*					*							*	
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)																	
26	A nutrition intervention research project for low-income mothers of toddlers																	
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)			*	*						*	*			*			
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series				*													
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.				*													
30	Physical activity in disadvantaged pre-schools				*													

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?				*		*											
32	An educational intervention to promote healthy lifestyles in preschool aged children										*							
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry																	
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children				*													
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children			*	*												*	
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children				*				*									
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children																	
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial			*	*			*			*	*					*	
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers																	
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial																	

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"				*													
42	Evaluation of the health effects of JolindenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany				*				*									
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security				*					*		*					*	
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)														*			
45	Family-based Outcome Results				*													
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers																	
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities								*									
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children				*													
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)										*							

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)								*									
51	Míranos! Program, a Preschool Obesity Prevention RCT				*													
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention																	
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity				*													
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context																*	
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)				*													
56	Prevention of Obesity in Toddlers (PROBIT) Trial																	
57	Preschool Based Obesity Prevention Effectiveness Trial								*									
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)														*			
59	SDSU MOVE/Me Nuevo Project				*				*				*					
60	FirstStep2Health Intervention				*	*												
61	In-home Obesity Prevention to Reach Low-income Infants											*	*					
62	Early Childhood Obesity Prevention Program (ECHO)								*							*		
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers																	



Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
64	The Sleeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project																	
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity: The ToyBox-study				*													
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) (CHILE)																*	
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)																	
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)																	
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)																	
70	Starting Healthy Staying Healthy Pilot Trial																	
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial				*									*				
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)				*													
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy										*							
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)	*			*					*					*		*	

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)																	
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)																*	
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers																	
78	Mothers And careGivers Investing in Children (MAGIC)																	
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care																	
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)																*	
81	Healthy Children, Healthy Families: Parents Making A Difference																	
82	Healthy Sleeping and Feeding During Infancy																	
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study																	
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)				*													
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)																	
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)																	
87	Children's Healthy Living Community Randomized Trial (CHL)				*													
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)				*													

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)																	
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools			*	*												*	
91	The Baby Act Trial				*													
92	SPOON: Sustained Program for Improving Nutrition - Colombia																	
93	Protocol Feasibility Study of HENRY				*													
94	Wellness Action Plan Trial Addressing Childhood Obesity												*					
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)																	
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)																	
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres				*													
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)																	
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds				*									*				
100	Healthy Homes, Healthy Habits (HABITS)																	
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva																	

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial				*													
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)				*					*				*				
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers																	
105	Prevention Through Activity in Kindergarten Trial (PAKT)				*													
106	Preschoolers Activity Trial				*													
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster randomized trial																	
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)																	
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial				*													
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'la bouge)				*			*	*									
111	Promoting Healthy Development With the Recipe 4 Success Intervention																	
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study				*													

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?																	
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)																	
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)				*					*					*		*	
116	Opaque Bottle Study																	
117	Guelph Family Health Study: Full Study (GFHS)				*													
118	Our Year of Healthy Living (Formative Research & Intervention)				*													
119	Healthy Start to Feeding Intervention																	
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)																	
121	Media Use in Preschooler Study (MUPS)								*									
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity																	
123	Anticipatory Guidance to Prevent Childhood Obesity																	
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits																	
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.								*									
126	The BeeBOFT Study.										*							
127	The Together Happy (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.				*								*					

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
128	PreSchool@HealthyWeight								*									
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months				*											*		
130	Prevention of Overweight in Infancy		*		*						*							
131	Baby-led introduction to solids (BLISS)																	
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)																	
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska																	
134	Tools For Teen Moms: Reducing Infant Obesity Risk																	
135	Preventing American Indian Children From Becoming Overweight																	
136	Project HERA (Health, Education, and Relationship-building for Adolescents- Moms and Tots)								*									
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development																	
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention																	
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial				*				*							*		
140	Start for Life				*													
141	Food Friends: Get Movin' With Mighty Moves				*													

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program				*													
143	The POP (Prevention of Overweight among Pre-school and school children) project									*								
144	An intervention to reduce television viewing by preschool children																	
145	The Kindergarten Mobil (KiMo)-project																	
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children				*													
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens													*				
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children																	
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial				*													
150	An intervention to preschool children for reducing screen time: a randomized controlled trial																	
151	Tooty Fruity Veggie	*		*							*		*					
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children			*	*	*						*			*			
153	Implementing and Pilot Testing of a Customized				*					*								

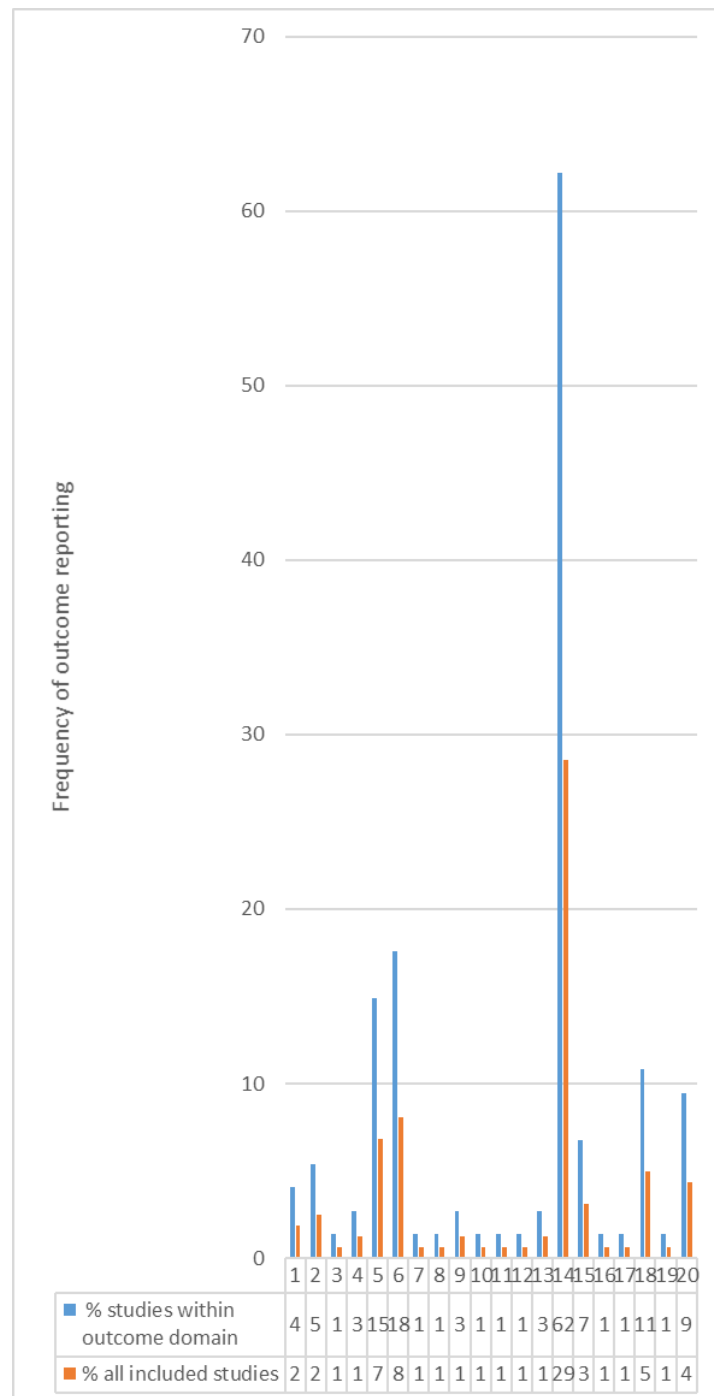
	Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran																	
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)																	
155	Guelph Family Health Study: Pilot Study			*														
156	Starting Early Obesity Prevention Program													*			*	
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial							*							*			
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta			*													*	
159	Enhancing Caregiver-Infant Communication to Prevent Obesity																	
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity			*														
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity			*														

*Figure notes:* 1= Active transport. 2= Active indoor play. 3= Co-participation. 4= Physical activity. 5= Encouragement of PA. 6= Energy expenditure. 7= Enjoyment of PA and playing. 8= Not clearly specified. 9= Organised PA. 10= Outdoor time. 11= PA environment. 12= PA parenting practices. 13= Physical fitness. 14= Role modelling of PA. 15= Tummy time. 16= Unorganised PA. 17= Floor based play time. PA= physical activity.



# Supplementary File S6.4 – Frequency of outcome reporting – Emotional functioning/wellbeing outcome domain

Figure S6.4 – Frequency of outcomes reported within the emotional functioning/wellbeing outcome domain and across all studies



**Figure notes:** 1= Anxiety symptoms. 2= Child externalising and/or internalising behaviour. 3= Compliance. 4= Concerns. 5= Depression symptoms. 6= Emotion regulation. 7= Emotional development. 8= Empowerment. 9= Family functioning. 10= Loneliness. 11= Psychopathological symptoms. 12= Relationship satisfaction. 13= School readiness. 14= Self-efficacy. 15= Social support. 16= Socio-emotional problems. 17= Soothability. 18= Stress. 19= Treatment response. 20= Wellbeing.

Table S6.4 – Outcomes reporting in the Emotional functioning/wellbeing outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children																				
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction																				
3	PRIMROSE: Primary prevention of childhood obesity at child health centers														*						
4	Reduction of food-related fears and promotion of healthy dietary habits in children																				
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial																				
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers														*						
7	Increasing vegetable intake in children																				
8	Prevention of obesity in children														*						
9	Dundee Family Health Study																				
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy																				

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)	*				*	*	*			*		*	*	*	*			*		
12	The CHAT study																				
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years																				
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.																*				
15	Baby Milk Study: establishing a healthy growth trajectory from birth	*					*														
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants																				
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood		*																		
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.																				

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland																				
20	Addressing Obesity in Early Care and Education Settings																				
21	Healthy Change: intervention in maternal perception of pre-school child weight																				
22	Helping pre-school children to avoid obesity																				*
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.																				
24	Health and Wellbeing During the Preschool Years																				
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)					*	*								*						
26	A nutrition intervention research project for low-income mothers of toddlers														*						
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)														*						
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series														*						
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.																				
30	Physical activity in disadvantaged pre-schools														*						

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?																				
32	An educational intervention to promote healthy lifestyles in preschool aged children																				
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry																				
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children														*						
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children														*						*
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children																				
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children											*									
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial																				
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers																				

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial																				
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"																				
42	Evaluation of the health effects of JolinnenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany														*				*		
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security																				
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)																				
45	Family-based Outcome Results																				
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers		*			*									*						
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities																				
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children																				
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)																				

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)																				
51	Míranos! Program, a Preschool Obesity Prevention RCT														*						
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention																				
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity														*						
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context														*				*		
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)													*							
56	Prevention of Obesity in Toddlers (PROBIT) Trial																				
57	Preschool Based Obesity Prevention Effectiveness Trial														*						
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)														*						
59	SDSU MOVE/Me Nuevo Project																				
60	FirstStep2Health Intervention														*						
61	In-home Obesity Prevention to Reach Low-income Infants					*										*					
62	Early Childhood Obesity Prevention Program (ECHO)																	*		*	
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers														*	*					

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
64	The SLeeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project						*														
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity:The ToyBox-study																				
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) (CHILE)																				
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)																				
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)									*					*						
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)				*																
70	Starting Healthy Staying Healthy Pilot Trial														*						
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial														*				*		
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)														*						
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy					*													*		
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)								*												



Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)																				
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)																				
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers																				
78	Mothers And careGivers Investing in Children (MAGIC)																				
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care																				
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)														*						
81	Healthy Children, Healthy Families: Parents Making A Difference														*						
82	Healthy Sleeping and Feeding During Infancy																				
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study						*														
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)																		*		
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)																				
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)																				
87	Children's Healthy Living Community Randomized Trial (CHL)																				
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)														*						

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)																				
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools																				*
91	The Baby Act Trial					*									*						
92	SPOON: Sustained Program for Improving Nutrition - Colombia																				
93	Protocol Feasibility Study of HENRY														*						
94	Wellness Action Plan Trial Addressing Childhood Obesity																				
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)																				
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)																				
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres																				
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)																				
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds														*						
100	Healthy Homes, Healthy Habits (HABITS)					*															

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva																				
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial																				
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)																				
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers																				
105	Prevention Through Activity in Kindergarten Trial (PAKT)																				
106	Preschoolers Activity Trial														*						
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster randomized trial																				
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)														*						
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial																				*

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'là bouge)																				
111	Promoting Healthy Development With the Recipe 4 Success Intervention			*																	
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study																				
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?														*						
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)														*						
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)				*																
116	Opaque Bottle Study																				
117	Guelph Family Health Study: Full Study (GFHS)																				
118	Our Year of Healthy Living (Formative Research & Intervention)																				
119	Healthy Start to Feeding Intervention																				
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)														*						

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
121	Media Use in Preschooler Study (MUPS)																				
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity														*						
123	Anticipatory Guidance to Prevent Childhood Obesity																				*
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits																				
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.																				
126	The BeeBOFT Study.																				*
127	The Together Happy (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.														*						*
128	PreSchool@HealthyWeight														*						
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months					*	*												*		
130	Prevention of Overweight in Infancy					*	*			*					*	*					
131	Baby-led introduction to solids (BLISS)						*														
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)																				
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska																				
134	Tools For Teen Moms: Reducing Infant Obesity Risk						*								*						

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
135	Preventing American Indian Children From Becoming Overweight																				
136	Project HERA (Health, Education, and Relationship-building for Adolescents- Moms and Tots)		*																		
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development																				
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention														*						
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial															*					
140	Start for Life																				
141	Food Friends: Get Movin' With Mighty Moves																				
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program																				
143	The POP (Prevention of Overweight among Pre-school and school children) project																				
144	An intervention to reduce television viewing by preschool children																				
145	The Kindergarten Mobil (KiMo)-project																				
Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children																			
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens																			
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children																			
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial																			
150	An intervention to preschool children for reducing screen time: a randomized controlled trial		*																	
151	Tooty Fruity Veggie																			
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors													*						
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran																			
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)					*	*							*						
155	Guelph Family Health Study: Pilot Study																			
156	Starting Early Obesity Prevention Program																			

157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial						*								*					
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta																	*		
159	Enhancing Caregiver-Infant Communication to Prevent Obesity	*				*	*								*					
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity						*													
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial														*					

*Table notes:* 1= Anxiety symptoms. 2= Child externalising and/or internalising behaviour. 3= Compliance. 4= Concerns. 5= Depression symptoms. 6= Emotion regulation. 7= Emotional development. 8= Empowerment. 9= Family functioning. 10= Loneliness. 11= Psychopathological symptoms. 12= Relationship satisfaction. 13= School readiness. 14= Self-efficacy. 15= Social support. 16= Socio-emotional problems. 17= Soothability. 18= Stress. 19= Treatment response. 20= Wellbeing.



# Supplementary File S6.5 – Frequency of outcome reporting – Sedentary behaviour outcome domain

Figure S6.5 – Frequency of outcomes reported within the Sedentary Behaviour outcome domain and across all studies

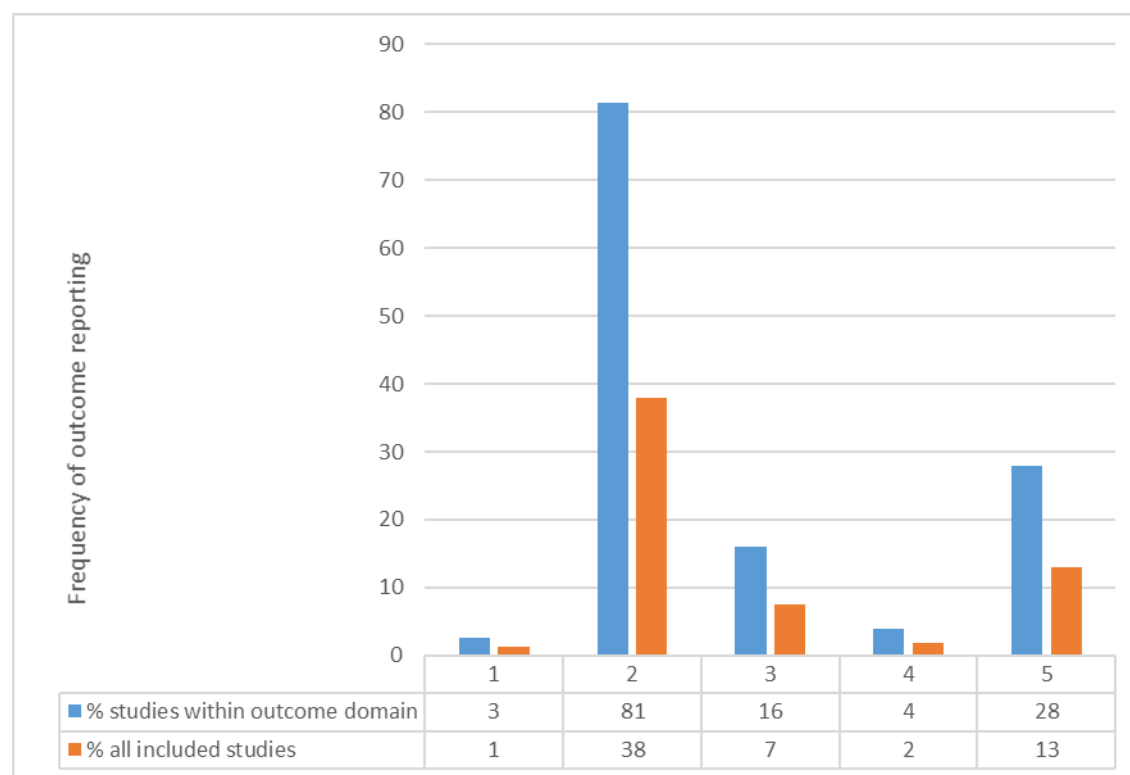


Figure notes: 1= Role modelling of sedentary behaviours. 2= Screen time. 3= Screen time parenting/caregiver practice. 4= Sedentary behaviour home environment. 5= Time spent sedentary

Table S6.5 – Outcomes reporting in the Sedentary Behaviour outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	1	2	3	4	5
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children					
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction					*
3	PRIMROSE: Primary prevention of childhood obesity at child health centers		*			
4	Reduction of food-related fears and promotion of healthy dietary habits in children					
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial					
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers					

Study No.	Study title	1	2	3	4	5
7	Increasing vegetable intake in children					
8	Prevention of obesity in children		*			
9	Dundee Family Health Study		*			*
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy					*
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)		*			*
12	The CHAT study		*			
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years		*			
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.					
15	Baby Milk Study: establishing a healthy growth trajectory from birth					
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants		*			*
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood					
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.					
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland		*			*
20	Addressing Obesity in Early Care and Education Settings					
21	Healthy Change: intervention in maternal perception of pre-school child weight					
22	Helping pre-school children to avoid obesity					
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.			*		
24	Health and Wellbeing During the Preschool Years	*	*			
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)					
26	A nutrition intervention research project for low-income mothers of toddlers					
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)		*		*	
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series					
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.		*			
30	Physical activity in disadvantaged pre-schools					*

Study No.	Study title	1	2	3	4	5
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?					*
32	An educational intervention to promote healthy lifestyles in preschool aged children		*	*		
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry					
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children		*	*		
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children		*	*		
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children		*			
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children					
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial		*		*	*
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers					
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial					
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"		*			
42	Evaluation of the health effects of JolinenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany		*			
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security					
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)					
45	Family-based Outcome Results		*			
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers		*			
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities		*			
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children		*			
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)		*	*		
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)					
51	Míranos! Program, a Preschool Obesity Prevention RCT		*			*
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention					
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity					

Study No.	Study title	1	2	3	4	5
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context		*			
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)					
56	Prevention of Obesity in Toddlers (PROBIT) Trial		*			
57	Preschool Based Obesity Prevention Effectiveness Trial		*			
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)		*			
59	SDSU MOVE/Me Nuevo Project					*
60	FirstStep2Health Intervention		*			
61	In-home Obesity Prevention to Reach Low-income Infants					
62	Early Childhood Obesity Prevention Program (ECHO)		*			
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers		*	*		
64	The SLEeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project					
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity:The ToyBox-study		*			
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) (CHILE)		*			
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)					
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)					
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)					
70	Starting Healthy Staying Healthy Pilot Trial		*			
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial					*
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)					
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy					
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)		*	*		
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)					
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)		*			
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers		*			
78	Mothers And careGivers Investing in Children (MAGIC)					
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care					
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)		*			
81	Healthy Children, Healthy Families: Parents Making A Difference					
82	Healthy Sleeping and Feeding During Infancy					

Study No.	Study title	1	2	3	4	5
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study					
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)		*			
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)					
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)					
87	Children's Healthy Living Community Randomized Trial (CHL)		*			
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)		*			*
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)					
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools		*			
91	The Baby Act Trial					
92	SPOON: Sustained Program for Improving Nutrition - Colombia					
93	Protocol Feasibility Study of HENRY					
94	Wellness Action Plan Trial Addressing Childhood Obesity					
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)					
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)					
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres					
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)					
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds		*			
100	Healthy Homes, Healthy Habits (HABITS)					
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva					
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial					
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)		*			
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers					
105	Prevention Through Activity in Kindergarten Trial (PAKT)		*			
106	Preschoolers Activity Trial					*
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster randomized trial					
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)					
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial					

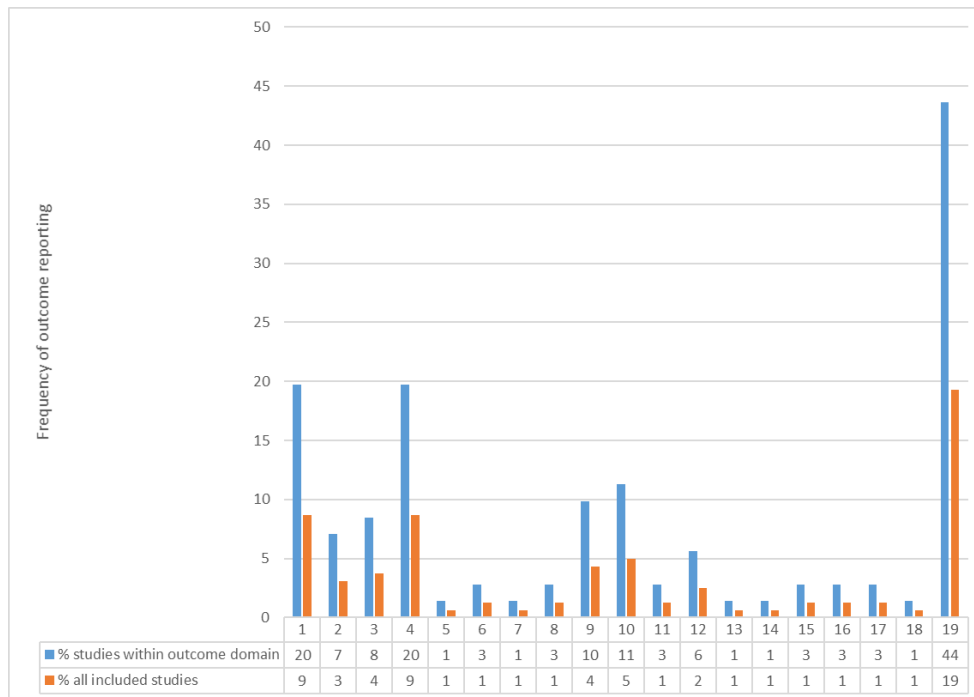
Study No.	Study title	1	2	3	4	5
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'la bouge)					
111	Promoting Healthy Development With the Recipe 4 Success Intervention					
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study					
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?					
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)					
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)					
116	Opaque Bottle Study					
117	Guelph Family Health Study: Full Study (GFHS)					*
118	Our Year of Healthy Living (Formative Research & Intervention)					
119	Healthy Start to Feeding Intervention					
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)					
121	Media Use in Preschooler Study (MUPS)		*	*		
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity		*			
123	Anticipatory Guidance to Prevent Childhood Obesity		*			
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits					
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.					
126	The BeeBOFT Study.		*			
127	The Together Happy (Samen Happie!) intervenion to prevent obesity through parenting: A study among Dutch parents of infants.			*		*
128	PreSchool@HealthyWeight					
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months		*			
130	Prevention of Overweight in Infancy		*			*
131	Baby-led introduction to solids (BLISS)					
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)					
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska					
134	Tools For Teen Moms: Reducing Infant Obesity Risk					
135	Preventing American Indian Children From Becoming Overweight					
136	Project HERA (Health, Education, and Relationship-building for Adolescents- Moms and Tots)				*	
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development					
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention					
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial		*			

Study No.	Study title	1	2	3	4	5
140	Start for Life					
141	Food Friends: Get Movin' With Mighty Moves					
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program					
143	The POP (Prevention of Overweight among Pre-school and school children) project		*			
144	An intervention to reduce television viewing by preschool children		*			
145	The Kindergarten Mobil (KiMo)-project					
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children		*			
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens					
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children					
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial		*			
150	An intervention to preschool children for reducing screen time: a randomized controlled trial		*			
151	Tooty Fruity Veggie		*	*		
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors	*	*	*		
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran					
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)					
155	Guelph Family Health Study: Pilot Study					*
156	Starting Early Obesity Prevention Program					*
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial		*			
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta					*
159	Enhancing Caregiver-Infant Communication to Prevent Obesity					
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity		*	*		*
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial					

*Table notes:* 1= Role modelling of sedentary behaviours. 2= Screen time. 3= Screen time parenting/caregiver practice. 4= Sedentary behaviour home environment. 5= Time spent sedentary.

## Supplementary File S6.6 – Frequency of outcome reporting – Feeding outcome domain

Figure S6.6 – Frequency of outcomes reported within the Feeding outcome domain and across all studies



*Figure notes:* 1= Control. 2= Emotional feeding. 3= Encouragement. 4= Family meal practices. 5= Feeding emotions. 6= Feeding interaction. 7= Feeding mechanics. 8= Feeding structure. 9= Feeding style. 10= Food as a reward. 11= Frequency of bottle use. 12= Not clearly specified. 13= Parent habit strength for feeding behaviour. 14= Parent/caregiver anxiety about feeding. 15= Nutrition parent/caregiver practice. 16= Promoting autonomy. 17= Responsibility for feeding. 18= Responsive feeding. 19= Published COS.



Table S6.6 – Outcomes reporting in the Feeding outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children													*						
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction																			
3	PRIMROSE: Primary prevention of childhood obesity at child health centers																			
4	Reduction of food-related fears and promotion of healthy dietary habits in children	*	*	*							*									
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial																			
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers																			
7	Increasing vegetable intake in children																			
8	Prevention of obesity in children	*	*	*							*									
9	Dundee Family Health Study				*															

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy																			
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)																			
12	The CHAT study																			*
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years																			
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.	*																		
15	Baby Milk Study: establishing a healthy growth trajectory from birth																			*
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants																			
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood																			*

Study No.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Study title																			
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.																			
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland																			
20	Addressing Obesity in Early Care and Education Settings																			
21	Healthy Change: intervention in maternal perception of pre-school child weight									*										
22	Helping pre-school children to avoid obesity	*	*				*				*									
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.																			
24	Health and Wellbeing During the Preschool Years	*													*			*		
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)																			*
26	A nutrition intervention research project for low-income mothers of toddlers	*					*													
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)																			*

Study No.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Study title																			
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series																			
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem																			
30	Physical activity in disadvantaged pre-schools																			
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?																			
32	An educational intervention to promote healthy lifestyles in preschool aged children																			
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry																			
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children	*																		
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children																			
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children				*															
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children																			

Study No.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Study title																			
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-RCT																			*
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers																			*
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial																			*
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"																			
42	Evaluation of the health effects of JolinchenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany																			
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security									*										
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)																			*
45	Family-based Outcome Results																			
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers																			
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote Communities																			

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children																			
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)				*															
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)																			
51	Míranos! Program, a Preschool Obesity Prevention RCT																			
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention																			
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity												*							
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context										*									
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)																			
56	Prevention of Obesity in Toddlers (PROBIT) Trial																			
57	Preschool Based Obesity Prevention Effectiveness Trial																			
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)																			
59	SDSU MOVE/Me Nuevo Project															*				
60	FirstStep2Health Intervention			*																

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
61	In-home Obesity Prevention to Reach Low-income Infants																			*
62	Early Childhood Obesity Prevention Program (ECHO)																			*
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers									*										
64	The SLeeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project																			*
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity:The ToyBox-study																			
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) (CHILE)																			
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)	*				*			*	*							*			
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)				*								*							
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)																			
70	Starting Healthy Staying Healthy Pilot Trial																			
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based RCT																			

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)																			
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy									*										
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)	*	*	*							*						*			
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)																			
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)																			*
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers																			*
78	Mothers And careGivers Investing in Children (MAGIC)																			*
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care																			
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)				*															
81	Healthy Children, Healthy Families: Parents Making A Difference	*		*							*									



Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
82	Healthy Sleeping and Feeding During Infancy																			
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study																			*
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)																			
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)												*							
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)												*							
87	Children's Healthy Living Community Randomized Trial (CHL)																			
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)																			
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)																			*
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools																			
91	The Baby Act Trial																			*
92	SPOON: Sustained Program for Improving Nutrition - Colombia																			

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
93	Protocol Feasibility Study of HENRY																			*
94	Wellness Action Plan Trial Addressing Childhood Obesity																			
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)																			
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)											*								
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres																			
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)	*							*	*										
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds																			
100	Healthy Homes, Healthy Habits (HABITS)																			*
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva																			
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial																			
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)				*															

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers																			*
105	Prevention Through Activity in Kindergarten Trial (PAKT)																			
106	Preschoolers Activity Trial																			
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster RCT																			
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)																			
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial																			
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'la bouge)																			
111	Promoting Healthy Development With the Recipe 4 Success Intervention	*																	*	
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study																			
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?																			
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)																			

Study No.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Study title																			
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)	*			*						*	*						*		
116	Opaque Bottle Study																			*
117	Guelph Family Health Study: Full Study (GFHS)				*															
118	Our Year of Healthy Living (Formative Research & Intervention)																			
119	Healthy Start to Feeding Intervention																			
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)							*												
121	Media Use in Preschooler Study (MUPS)				*															
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity																			
123	Anticipatory Guidance to Prevent Childhood Obesity																			*
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits																			
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.																			
126	The BeeBOFT Study																			

Study No.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Study title																			
127	The Together Happy (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.																			*
128	PreSchool@HealthyWeight																			
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months									*										
130	Prevention of Overweight in Infancy																			*
131	Baby-led introduction to solids (BLISS)																			*
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)																			
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska																			
134	Tools For Teen Moms: Reducing Infant Obesity Risk																			*
135	Preventing American Indian Children From Becoming Overweight																			
136	Project HERA (Health, Education, and Relationship-building for Adolescents- Moms and Tots)																			
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development																			
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention																			*

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based RCT																			*
140	Start for Life																			
141	Food Friends: Get Movin' With Mighty Moves																			
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program																			
143	The POP (Prevention of Overweight among Pre-school and school children) project																			
144	An intervention to reduce television viewing by preschool children																			
145	The Kindergarten Mobil (KiMo)-project																			
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children																			
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens																			
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children																			
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial																			
150	An intervention to preschool children for reducing screen time: a randomized controlled trial				*															

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
151	Tooty Fruity Vegie				*											*				
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors				*															
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran																			
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)																			
155	Guelph Family Health Study: Pilot Study				*															
156	Starting Early Obesity Prevention Program																			*
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial																			
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta																			
159	Enhancing Caregiver-Infant Communication to Prevent Obesity																			*
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity	*	*	*	*						*									
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial																			

*Figure notes:* 1= Control. 2= Emotional feeding. 3= Encouragement. 4= Family meal practices. 5= Feeding emotions. 6= Feeding interaction. 7= Feeding mechanics. 8= Feeding structure. 9= Feeding style. 10= Food as a reward. 11= Frequency of bottle use. 12= Not clearly specified. 13= Parent habit strength for feeding behaviour. 14= Parent/caregiver anxiety about feeding. 15= Nutrition parent/caregiver practice. 16= Promoting autonomy. 17= Responsibility for feeding. 18= Responsive feeding. 19= Published COS.



# Supplementary File S6.7 – Frequency of outcome reporting – Cognitive/Executive Functioning outcome domain

Figure S6.7 – Frequency of outcomes reported within the Cognitive/Executive functioning outcome domain and across all studies

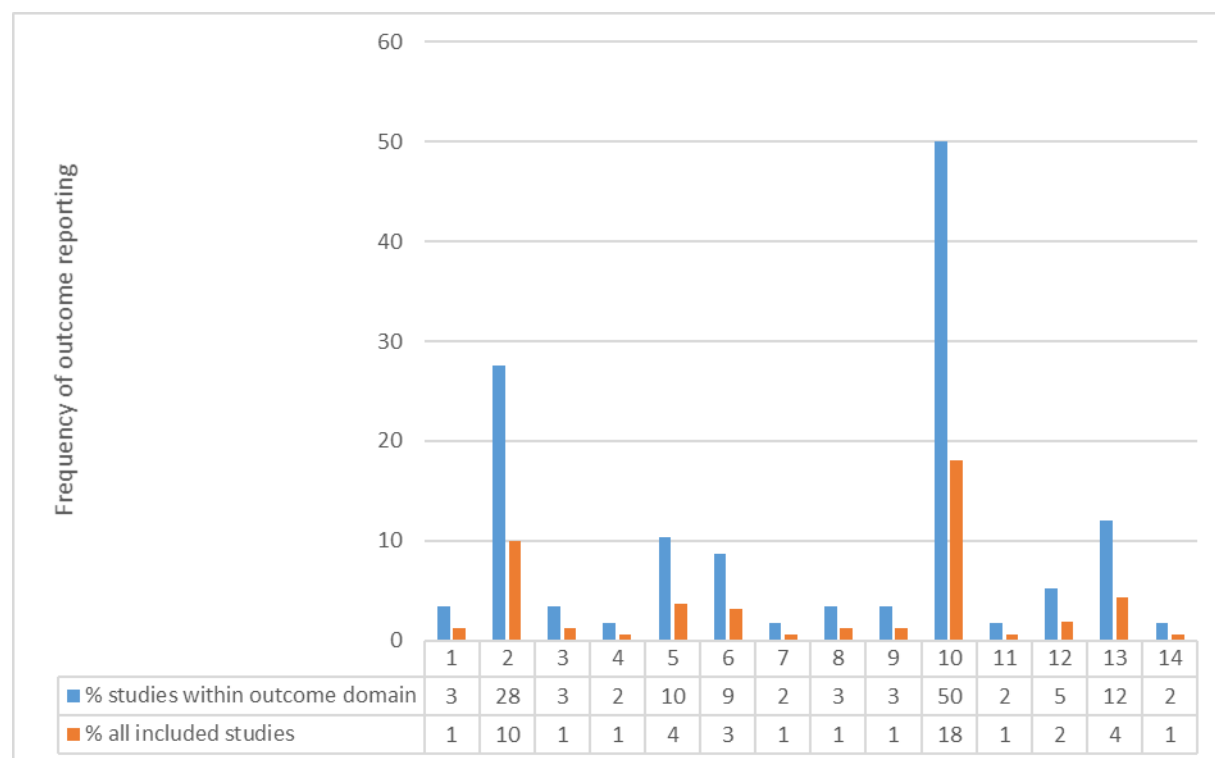


Figure notes: 1= Attention control. 2= Attitudes. 3= Awareness of behaviours. 4= Behavioural development. 5= Beliefs. 6= Cognitive development. 7= Developmental delay. 8= Executive function. 9= Health literacy. 10= Knowledge. 11= Language development. 12= Readiness to change. 13= Self-regulation. 14= Values.

Table S6.7 – Outcomes reporting in the Cognitive/Executive functioning outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children														
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction														

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
3	PRIMROSE: Primary prevention of childhood obesity at child health centers														
4	Reduction of food-related fears and promotion of healthy dietary habits in children		*								*				
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial														
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers														
7	Increasing vegetable intake in children														
8	Prevention of obesity in children														
9	Dundee Family Health Study														
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy										*				
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)				*		*					*		*	
12	The CHAT study														
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years														
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.										*				

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
15	Baby Milk Study: establishing a healthy growth trajectory from birth		*												
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants														
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood														
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.														
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland														
20	Addressing Obesity in Early Care and Education Settings														
21	Healthy Change: intervention in maternal perception of pre-school child weight														
22	Helping pre-school children to avoid obesity														
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.										*				
24	Health and Wellbeing During the Preschool Years										*				
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)										*				
26	A nutrition intervention research project for low-income mothers of toddlers		*												

Study No.		1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Study title														
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)										*				
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series			*											
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.										*				
30	Physical activity in disadvantaged pre-schools													*	
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?								*						
32	An educational intervention to promote healthy lifestyles in preschool aged children														
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry														
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children														
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children								*						
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children														

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children	*													
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial										*				
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers						*								
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial														
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"										*				
42	Evaluation of the health effects of JolinchenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany									*					
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security														
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)		*								*				
45	Family-based Outcome Results														
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers										*			*	

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities		*			*									
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children														
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)						*								
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)														
51	Míranos! Program, a Preschool Obesity Prevention RCT										*				
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention														
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity														
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context														
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)						*								
56	Prevention of Obesity in Toddlers (PROBIT) Trial														
57	Preschool Based Obesity Prevention Effectiveness Trial		*								*				
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)									*				*	
59	SDSU MOVE/Me Nuevo Project														
60	FirstStep2Health Intervention		*			*					*				
61	In-home Obesity Prevention to Reach Low-income Infants														
62	Early Childhood Obesity Prevention Program (ECHO)														

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers		*												
64	The SLeePping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project														
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity: The ToyBox-study														
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) (CHILE)														
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)														
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)														
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)														
70	Starting Healthy Staying Healthy Pilot Trial												*		
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial														
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)		*								*				
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy														
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)														

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)														
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)														
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers														
78	Mothers And careGivers Investing in Children (MAGIC)														
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care														
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)														
81	Healthy Children, Healthy Families: Parents Making A Difference														
82	Healthy Sleeping and Feeding During Infancy														
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study														
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)												*		
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)														
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)														
87	Children's Healthy Living Community Randomized Trial (CHL)														
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)														



Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)														
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools														
91	The Baby Act Trial														
92	SPOON: Sustained Program for Improving Nutrition - Colombia										*				
93	Protocol Feasibility Study of HENRY														
94	Wellness Action Plan Trial Addressing Childhood Obesity														
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)														
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)														
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres														
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)														
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds														
100	Healthy Homes, Healthy Habits (HABITS)														
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva														
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial														

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)						*								
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers														
105	Prevention Through Activity in Kindergarten Trial (PAKT)														
106	Preschoolers Activity Trial		*												
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster randomized trial														
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)		*								*				
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial														
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'là bouge)														
111	Promoting Healthy Development With the Recipe 4 Success Intervention	*													
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study														
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?														

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)										*				
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)					*					*				
116	Opaque Bottle Study					*									
117	Guelph Family Health Study: Full Study (GFHS)												*		
118	Our Year of Healthy Living (Formative Research & Intervention)														
119	Healthy Start to Feeding Intervention														
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)														
121	Media Use in Preschooler Study (MUPS)														
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity										*				
123	Anticipatory Guidance to Prevent Childhood Obesity														
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits							*							
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.			*											
126	The BeeBOFT Study		*												
127	The Together Happy (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.														
128	PreSchool@HealthyWeight		*								*				

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months										*				
130	Prevention of Overweight in Infancy													*	
131	Baby-led introduction to solids (BLISS)														
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)														
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska														
134	Tools For Teen Moms: Reducing Infant Obesity Risk														
135	Preventing American Indian Children From Becoming Overweight														
136	Project HERA (Health, Education, and Relationship-building for Adolescents- Moms and Tots)														
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development														
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention														
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial		*								*				
140	Start for Life														
141	Food Friends: Get Movin' With Mighty Moves														
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program														

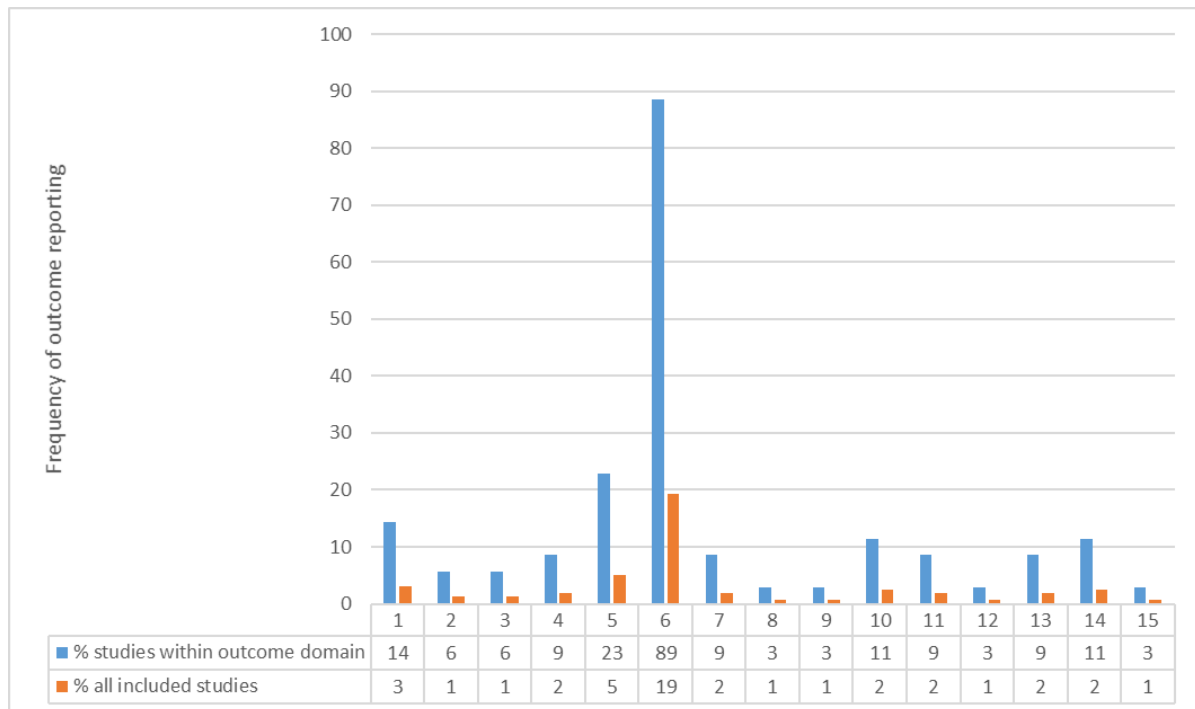
Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
143	The POP (Prevention of Overweight among Pre-school and school children) project														
144	An intervention to reduce television viewing by preschool children														
145	The Kindergarten Mobil (KiMo)-project														
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children														
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens										*				
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children														
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial														
150	An intervention to preschool children for reducing screen time: a randomized controlled trial														
151	Tooty Fruity Veggie														
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors														*
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran		*												

Study No.		1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Study title														
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)		*			*					*				
155	Guelph Family Health Study: Pilot Study														
156	Starting Early Obesity Prevention Program										*				
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial													*	
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta					*					*				
159	Enhancing Caregiver-Infant Communication to Prevent Obesity														
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity										*			*	
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial														

*Table notes:* 1= Attention control. 2= Attitudes. 3= Awareness of behaviours. 4= Behavioural development. 5= Beliefs. 6= Cognitive development. 7= Developmental delay. 8= Executive function. 9= Health literacy. 10= Knowledge. 11= Language development. 12= Readiness to change. 13= Self-regulation of energy intake. 14= Values.

### Supplementary File S6.8 – Frequency of outcome reporting – Sleep outcome domain

Figure S6.8 – Frequency of outcomes reported within the Sleep outcome domain and across all studies



**Figure notes:** 1= Sleep parenting practices. 2= Awake time. 3= Daytime dysfunction and fatigue. 4= Not clearly specified. 5= Sleep disturbance. 6= Sleep duration. 7= Sleep efficiency. 8= Sleep environment. 9= Sleep frequency. 10= Sleep latency. 11= Sleep patterns. 12= Sleep position. 13= Sleep problems. 14= Sleep quality. 15= Use of sleeping medications

Table S6.8 – Outcomes reporting in the Sleep outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children															
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction															
3	PRIMROSE: Primary prevention of childhood obesity at child health centers															
4	Reduction of food-related fears and promotion of healthy dietary habits in children															
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster RCT															
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers															
7	Increasing vegetable intake in children															
8	Prevention of obesity in children															
9	Dundee Family Health Study	*					*									
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy															
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)			*		*	*	*			*				*	*
12	The CHAT study															
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years															



Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.															
15	Baby Milk Study: establishing a healthy growth trajectory from birth				*											
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants						*						*			
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood															
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.															
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland						*									
20	Addressing Obesity in Early Care and Education Settings															
21	Healthy Change: intervention in maternal perception of pre-school child weight															
22	Helping pre-school children to avoid obesity															
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.															
24	Health and Wellbeing During the Preschool Years															
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)															
26	A nutrition intervention research project for low-income mothers of toddlers															

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)															
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series															
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.															
30	Physical activity in disadvantaged pre-schools															
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?															
32	An educational intervention to promote healthy lifestyles in preschool aged children															
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry															
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children						*				*			*		
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children															
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children		*			*	*	*			*					
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children				*	*	*	*						*		
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial															

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddler															
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial															
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"															
42	Evaluation of the health effects of JolinenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany															
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security															
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)															
45	Family-based Outcome Results															
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers															
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities															
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children															
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)	*	*				*									
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)															

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
51	Míranos! Program, a Preschool Obesity Prevention RCT						*									
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention															
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity															
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context						*									
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)						*									
56	Prevention of Obesity in Toddlers (PROBIT) Trial															
57	Preschool Based Obesity Prevention Effectiveness Trial															
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)						*									
59	SDSU MOVE/Me Nuevo Project															
60	FirstStep2Health Intervention															
61	In-home Obesity Prevention to Reach Low-income Infants															
62	Early Childhood Obesity Prevention Program (ECHO)						*					*				
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers					*	*									
64	The SLeeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME)						*									
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity:The ToyBox-study															
66	Child Health Initiative for Lifelong Eating and Exercise															
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)															
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)															

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)															
70	Starting Healthy Staying Healthy Pilot Trial															
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial															
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)															
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy															
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)						*									
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)															
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)															
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers						*									
78	Mothers And careGivers Investing in Children (MAGIC)															
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care															
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)															
81	Healthy Children, Healthy Families: Parents Making A Difference															
82	Healthy Sleeping and Feeding During Infancy						*									

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study	*				*	*									
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)						*				*	*				
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)															
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)															
87	Children's Healthy Living Community Randomized Trial (CHL)					*	*								*	
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)															
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)															
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools														*	
91	The Baby Act Trial						*			*						
92	SPOON: Sustained Program for Improving Nutrition – Colombia															
93	Protocol Feasibility Study of HENRY															
94	Wellness Action Plan Trial Addressing Childhood Obesity															
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)															
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)															
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres															
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)															
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds															

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
100	Healthy Homes, Healthy Habits (HABITS)															
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva															
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial															
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)						*									
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers															
105	Prevention Through Activity in Kindergarten Trial (PAKT)															
106	Preschoolers Activity Trial															
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters															
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)															
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial						*									
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'là bouge)															
111	Promoting Healthy Development With the Recipe 4 Success Intervention															

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study															
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?															
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)															
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)															
116	Opaque Bottle Study															
117	Guelph Family Health Study: Full Study (GFHS)						*									
118	Our Year of Healthy Living (Formative Research & Intervention)															
119	Healthy Start to Feeding Intervention															
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)															
121	Media Use in Preschooler Study (MUPS)															
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity															
123	Anticipatory Guidance to Prevent Childhood Obesity															
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits															
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.															
126	The BeeBOFT Study.															



Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
127	The Together Happy (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.	*														
128	PreSchool@HealthyWeight															
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months					*	*									
130	Prevention of Overweight in Infancy	*		*		*	*		*					*	*	
131	Baby-led introduction to solids (BLISS)															
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)															
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska															
134	Tools For Teen Moms: Reducing Infant Obesity Risk															
135	Preventing American Indian Children From Becoming Overweight															
136	Project HERA (Health, Education, and Relationship-building for Adolescents- Moms and Tots)															
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development															
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention															
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial															
140	Start for Life															
141	Food Friends: Get Movin' With Mighty Moves															
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program															

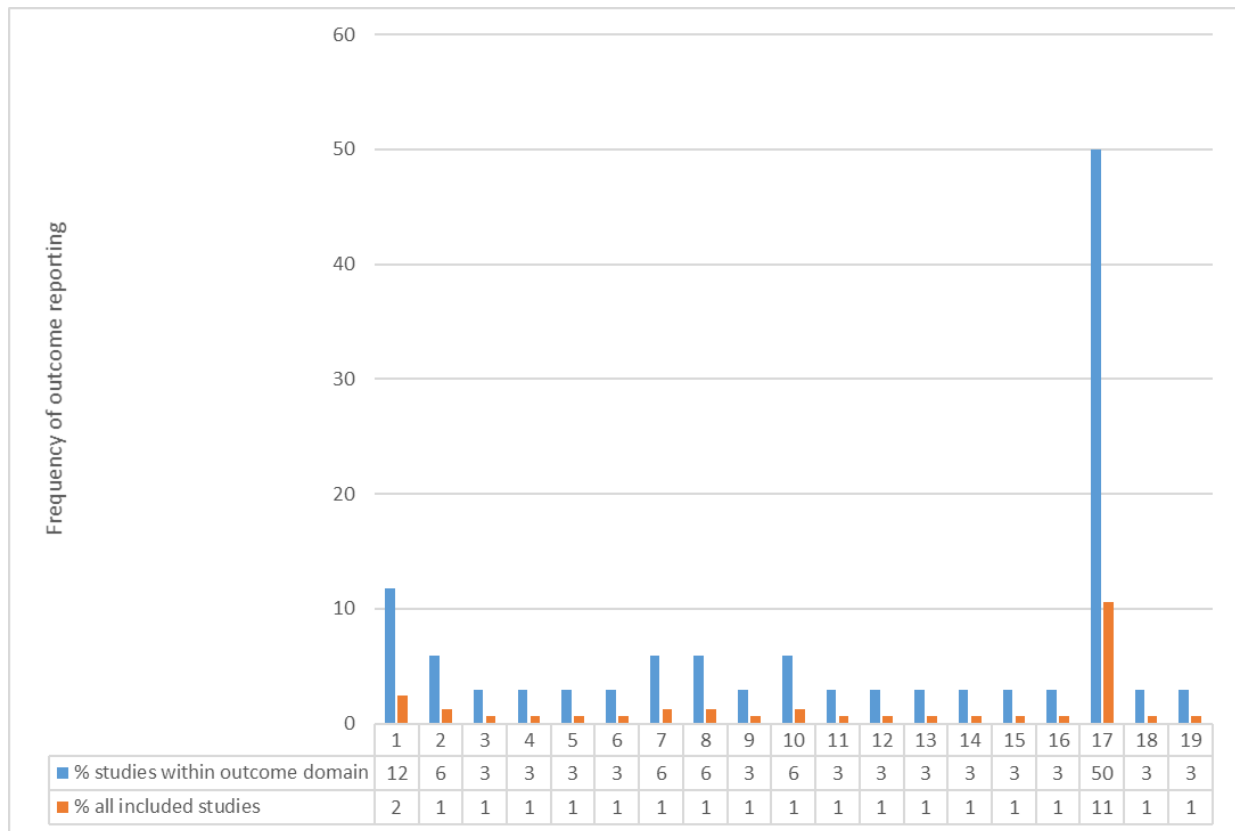
Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
143	The POP (Prevention of Overweight among Pre-school and school children) project															
144	An intervention to reduce television viewing by preschool children															
145	The Kindergarten Mobil (KiMo)-project															
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children															
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens															
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children															
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial															
150	An intervention to preschool children for reducing screen time: a randomized controlled trial															
151	Tooty Fruity Veggie															
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors						*									
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran															
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)				*											

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
155	Guelph Family Health Study: Pilot Study						*									
156	Starting Early Obesity Prevention Program															
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial															
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta						*									
159	Enhancing Caregiver-Infant Communication to Prevent Obesity															
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity						*					*				
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaCHeL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial															

*Table notes:* 1= Sleep parenting practices. 2= Awake time. 3= Daytime dysfunction and fatigue. 4= Not clearly specified. 5= Sleep disturbance. 6= Sleep duration. 7= Sleep efficiency. 8= Sleep environment. 9= Sleep frequency. 10= Sleep latency. 11= Sleep patterns. 12= Sleep position. 13= Sleep problems. 14= Sleep quality. 15= Use of sleeping medications

### Supplementary File S6.9 – Frequency of outcome reporting – Other outcome domain

Figure S6.9 – Frequency of outcomes reported within the Other outcome domain and across all studies



*Figure notes:* 1= Acculturation. 2= Adverse events. 3= Alcohol and drug use. 4= Awareness of issue. 5= Care coordination. 6= Child maltreatment. 7= Child safety. 8= Communication. 9= Eating disorders. 10= Gagging. 11= Growth faltering. 12= Habit strength on targeted behaviours. 13= Hyperactivity. 14= Not clearly specified. 15= Intimate partner violence. 16= Health goals. 17= Physiological health. 18= Pregnancy outcomes. 19= Time spent in the bath.

Table S6.9 – Outcomes reporting in the Other outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children																			
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction																			
3	PRIMROSE: Primary prevention of childhood obesity at child health centers																			
4	Reduction of food-related fears and promotion of healthy dietary habits in children																			
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial																			
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers																			
7	Increasing vegetable intake in children																			
8	Prevention of obesity in children																			
9	Dundee Family Health Study																			
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy																			
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)															*			*	
12	The CHAT study																			

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years																			
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.																			
15	Baby Milk Study: establishing a healthy growth trajectory from birth																			
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants																			*
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood																			
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.																			
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland																			
20	Addressing Obesity in Early Care and Education Settings																			
21	Healthy Change: intervention in maternal perception of pre-school child weight																			
22	Helping pre-school children to avoid obesity																			

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.		*																	
24	Health and Wellbeing During the Preschool Years																			
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)																			
26	A nutrition intervention research project for low-income mothers of toddlers																			
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)																			
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series																			
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.																			
30	Physical activity in disadvantaged pre-schools																	*		
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?																	*		
32	An educational intervention to promote healthy lifestyles in preschool aged children																	*		

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry																			
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children																			
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children																			
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children																			
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children																			
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial																			
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers																			
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial									*	*							*		
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"																			



Study No.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Study title																			
42	Evaluation of the health effects of Jolinchén Kids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany																			
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security																			
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)																			
45	Family-based Outcome Results																			
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers																			
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities																			
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children																			
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)																			
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)																			
51	Míranos! Program, a Preschool Obesity Prevention RCT																			

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention																			
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity																			
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context																			
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)																	*		
56	Prevention of Obesity in Toddlers (PROBIT) Trial																			
57	Preschool Based Obesity Prevention Effectiveness Trial	*																		
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)																			
59	SDSU MOVE/Me Nuevo Project	*																		
60	FirstStep2Health Intervention																			
61	In-home Obesity Prevention to Reach Low-income Infants																			
62	Early Childhood Obesity Prevention Program (ECHO)																			
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers																			
64	The SLEeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project																			
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity:The ToyBox-study																			

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) (CHILE)				*															
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)	*																		
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)																			
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)																			
70	Starting Healthy Staying Healthy Pilot Trial																			
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial																	*		
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)																			
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy																			
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)																			
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)																*			
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)																			
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers																			

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
78	Mothers And careGivers Investing in Children (MAGIC)																			
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care																			
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)																			
81	Healthy Children, Healthy Families: Parents Making A Difference																			
82	Healthy Sleeping and Feeding During Infancy																			
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study																			
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)							*												
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)																	*		
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)																	*		
87	Children's Healthy Living Community Randomized Trial (CHL)																	*		
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)																			
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)																			
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools																	*		
91	The Baby Act Trial																	*		
92	SPOON: Sustained Program for Improving Nutrition - Colombia																	*		

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
93	Protocol Feasibility Study of HENRY																			
94	Wellness Action Plan Trial Addressing Childhood Obesity																			
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)																			
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)																			
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres																			
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)																			
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds																			
100	Healthy Homes, Healthy Habits (HABITS)												*							
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva																			
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial																			
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)													*						
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers																			

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
105	Prevention Through Activity in Kindergarten Trial (PAKT)		*															*		
106	Preschoolers Activity Trial																			
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster randomized trial																			
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)																			
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial																			
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'la bouge)																			
111	Promoting Healthy Development With the Recipe 4 Success Intervention																			
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study																			
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?																			
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)	*																		
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)																			

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
116	Opaque Bottle Study																			
117	Guelph Family Health Study: Full Study (GFHS)																			
118	Our Year of Healthy Living (Formative Research & Intervention)																			
119	Healthy Start to Feeding Intervention																			
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)																			
121	Media Use in Preschooler Study (MUPS)																			
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity								*											
123	Anticipatory Guidance to Prevent Childhood Obesity																			
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits						*		*						*			*		
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.							*												
126	The BeeBOFT Study.																			
127	The Together Happy (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.																			
128	PreSchool@HealthyWeight																			
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months			*																
130	Prevention of Overweight in Infancy																			
131	Baby-led introduction to solids (BLISS)										*	*								

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)																			
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska																			
134	Tools For Teen Moms: Reducing Infant Obesity Risk																			
135	Preventing American Indian Children From Becoming Overweight																			
136	Project HERA (Health, Education, and Relationship-building for Adolescents- Moms and Tots)																			
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development																	*		
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention																			
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial																			
140	Start for Life																			
141	Food Friends: Get Movin' With Mighty Moves																			
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program																			
143	The POP (Prevention of Overweight among Pre-school and school children) project																			



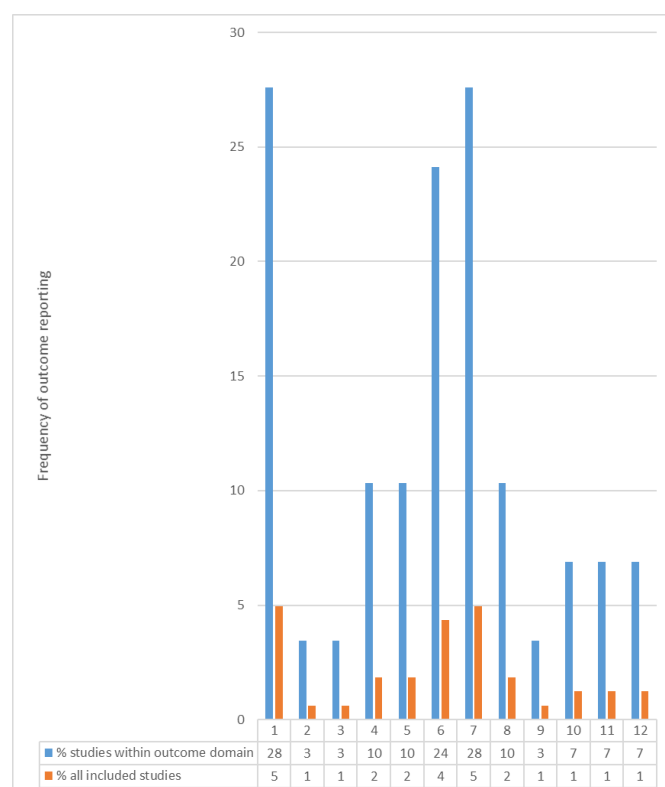
Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
144	An intervention to reduce television viewing by preschool children																			
145	The Kindergarten Mobil (KiMo)-project																			
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children																			
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens																			
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children																			
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial																			
150	An intervention to preschool children for reducing screen time: a randomized controlled trial																			
151	Tooty Fruity Vegie																			
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors																	*		
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran																			

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)					*														
155	Guelph Family Health Study: Pilot Study																			
156	Starting Early Obesity Prevention Program																			
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial																			
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta																			
159	Enhancing Caregiver-Infant Communication to Prevent Obesity																	*		
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity																			
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial																			

*Figure notes:* 1= Acculturation. 2= Adverse events. 3= Alcohol and drug use. 4= Awareness of issue. 5= Care coordination. 6= Child maltreatment. 7= Child safety. 8= Communication. 9= Eating disorders. 10= Gagging. 11= Growth faltering. 12= Habit strength on targeted behaviours. 13= Hyperactivity. 14= Not clearly specified. 15= Intimate partner violence. 16= Health goals. 17= Physiological health. 18= Pregnancy outcomes. 19= Time spent in the bath.

# Supplementary File S6.10 – Frequency of outcome reporting –Study-related outcome domain

Figure S6.10 – Frequency of outcomes reported within the Study-related outcome domain and across all studies



**Figure notes:** 1= Acceptability. 2= Attendance. 3= Attrition. 4= Compliance. 5= Engagement. 6= Feasibility. 7= Feedback. 8= Fidelity. 9= Implementation. 10= Process evaluation. 11= Recruitment rate. 12= Use of technology.

Table S6.10 – Outcomes reporting in the Study-related outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children	*											
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction										*		
3	PRIMROSE: Primary prevention of childhood obesity at child health centers												

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12
4	Reduction of food-related fears and promotion of healthy dietary habits in children												
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial												
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers												
7	Increasing vegetable intake in children							*					
8	Prevention of obesity in children												
9	Dundee Family Health Study	*											
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy							*					
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)												
12	The CHAT study												
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years												
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.												
15	Baby Milk Study: establishing a healthy growth trajectory from birth							*					
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants												
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood												

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.												
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland			*			*		*			*	
20	Addressing Obesity in Early Care and Education Settings												
21	Healthy Change: intervention in maternal perception of pre-school child weight												
22	Helping pre-school children to avoid obesity												
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.												
24	Health and Wellbeing During the Preschool Years												
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)												
26	A nutrition intervention research project for low-income mothers of toddlers												
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)												
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series												
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.												
30	Physical activity in disadvantaged pre-schools								*				
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?												

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12
32	An educational intervention to promote healthy lifestyles in preschool aged children												
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry					*							
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children												
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children												
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children												
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children												
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-RCT	*											
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers												
40	Techniques for Infant Feeding initiation: A RCT												
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"												
42	Evaluation of the health effects of JolinchenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany												

Study No.													
	Study title	1	2	3	4	5	6	7	8	9	10	11	12
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security												
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)												
45	Family-based Outcome Results												
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers												
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities												
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children												
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)												*
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)												
51	Míranos! Program, a Preschool Obesity Prevention RCT												
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention												
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity												
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context						*						
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)												
56	Prevention of Obesity in Toddlers (PROBIT) Trial												
57	Preschool Based Obesity Prevention Effectiveness Trial												
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)												

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12
59	SDSU MOVE/Me Nuevo Project												
60	FirstStep2Health Intervention												
61	In-home Obesity Prevention to Reach Low-income Infants												
62	Early Childhood Obesity Prevention Program (ECHO)												
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers												
64	The SLeeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project												
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity:The ToyBox-study												
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) (CHILE)												
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)												
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)												
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)						*						
70	Starting Healthy Staying Healthy Pilot Trial												
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial												
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)												
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy												
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)												



Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)				*								
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)												
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers												
78	Mothers And careGivers Investing in Children (MAGIC)												
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care												
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)					*							
81	Healthy Children, Healthy Families: Parents Making A Difference												
82	Healthy Sleeping and Feeding During Infancy												
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study												
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)							*					
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)												
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)												
87	Children's Healthy Living Community Randomized Trial (CHL)												
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)												
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)												
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools												
91	The Baby Act Trial												

Study No.													
	Study title	1	2	3	4	5	6	7	8	9	10	11	12
92	SPOON: Sustained Program for Improving Nutrition - Colombia												
93	Protocol Feasibility Study of HENRY	*			*		*		*		*	*	
94	Wellness Action Plan Trial Addressing Childhood Obesity												
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)												
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)												
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres												
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)												
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds							*					*
100	Healthy Homes, Healthy Habits (HABITS)												
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva												
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial												
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)												
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers												
105	Prevention Through Activity in Kindergarten Trial (PAKT)												
106	Preschoolers Activity Trial												

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster randomized trial												
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)												
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster RCT												
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'la bouge)												
111	Promoting Healthy Development With the Recipe 4 Success Intervention												
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study												
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?												
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)												
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)												
116	Opaque Bottle Study												
117	Guelph Family Health Study: Full Study (GFHS)												
118	Our Year of Healthy Living (Formative Research & Intervention)												
119	Healthy Start to Feeding Intervention		*					*					
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)												

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12
121	Media Use in Preschooler Study												
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity												
123	Anticipatory Guidance to Prevent Childhood Obesity												
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits												
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.							*					
126	The BeeBOFT Study.												
127	The Together Happy (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.												
128	PreSchool@HealthyWeight												
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months												
130	Prevention of Overweight in Infancy												
131	Baby-led introduction to solids	*											
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)												
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska												
134	Tools For Teen Moms: Reducing Infant Obesity Risk												
135	Preventing American Indian Children From Becoming Overweight												
136	Project HERA (Health, Education, and Relationship-building for Adolescents- Moms and Tots)	*					*						
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development				*					*			
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention												

Study No.													
	Study title	1	2	3	4	5	6	7	8	9	10	11	12
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial	*											
140	Start for Life												
141	Food Friends: Get Movin' With Mighty Moves												
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program												
143	The POP (Prevention of Overweight among Pre-school and school children) project												
144	An intervention to reduce television viewing by preschool children												
145	The Kindergarten Mobil (KiMo)-project												
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children					*							
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens												
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children												
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial												
150	An intervention to preschool children for reducing screen time: a randomized controlled trial												
151	Tooty Fruity Vegie												
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors												

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran												
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)							*					
155	Guelph Family Health Study: Pilot Study						*						
156	Starting Early Obesity Prevention Program	*					*						
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial												
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta												
159	Enhancing Caregiver-Infant Communication to Prevent Obesity												
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity												
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial												

*Table notes:* 1= Acceptability. 2= Attendance. 3= Attrition. 4= Compliance. 5= Engagement. 6= Feasibility. 7= Feedback. 8= Fidelity. 9= Implementation. 10= Process evaluation. 11= Recruitment rate. 12= Use of technology

# Supplementary File S6.11 – Frequency of outcome reporting –Parenting Practices outcome domain

Figure S6.11 – Frequency of outcomes reported within the Parenting Practices outcome domain and across all studies

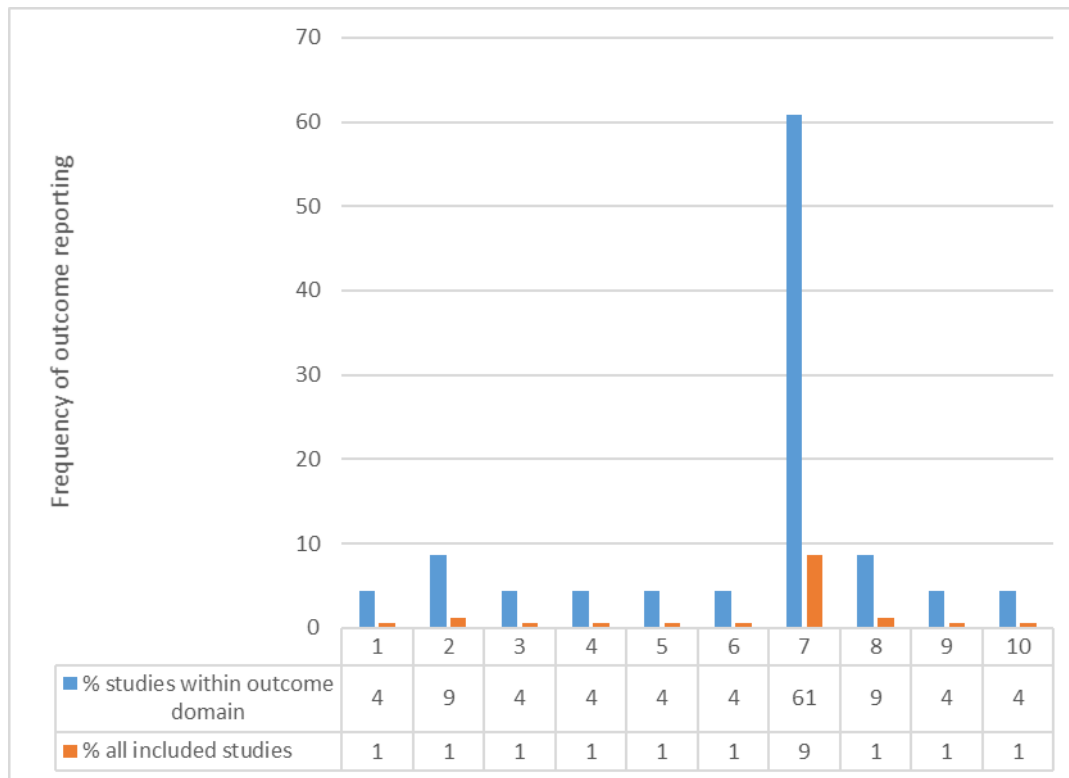


Figure notes: 1= Competence. 2= Co-parenting. 3= Not specified clearly. 4= Parental role-modelling. 5= Parental warmth. 6= Parent-child interaction. 7= Parenting style. 8= Responsiveness. 9= Sensitive scaffolding. 10= Social support.

Table S6.11 – Outcomes reporting in the Parenting Practices outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children										
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction										
3	PRIMROSE: Primary prevention of childhood obesity at child health centers										

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
4	Reduction of food-related fears and promotion of healthy dietary habits in children										
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial										
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers										
7	Increasing vegetable intake in children										
8	Prevention of obesity in children							*			
9	Dundee Family Health Study										
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy							*			
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)		*								
12	The CHAT study										
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years										
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.							*			
15	Baby Milk Study: establishing a healthy growth trajectory from birth										
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants										
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood							*			



Study No.	Study title	1	2	3	4	5	6	7	8	9	10
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.										
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland										
20	Addressing Obesity in Early Care and Education Settings										
21	Healthy Change: intervention in maternal perception of pre-school child weight										
22	Helping pre-school children to avoid obesity										
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.										
24	Health and Wellbeing During the Preschool Years										
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)								*		
26	A nutrition intervention research project for low-income mothers of toddlers										
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)										
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series							*			
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.										
30	Physical activity in disadvantaged pre-schools										

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?										
32	An educational intervention to promote healthy lifestyles in preschool aged children										
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry										
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children										
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children		*								
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children										
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children							*			
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial							*			
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers										
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial										
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"										

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
42	Evaluation of the health effects of JolinchenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany										
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security										
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)										
45	Family-based Outcome Results										
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers							*			
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities										
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children										
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)										
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)										
51	Míranos! Program, a Preschool Obesity Prevention RCT							*			
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention										
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity										
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context					*		*			
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)										
56	Prevention of Obesity in Toddlers (PROBIT) Trial										
57	Preschool Based Obesity Prevention Effectiveness Trial										

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)										
59	SDSU MOVE/Me Muevo Project										
60	FirstStep2Health Intervention							*			
61	In-home Obesity Prevention to Reach Low-income Infants										
62	Early Childhood Obesity Prevention Program (ECHO)										
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers										
64	The SLeeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project										
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity:The ToyBox-study										
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) (CHILE)										
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)										
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)										
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)										
70	Starting Healthy Staying Healthy Pilot Trial										
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial										
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)										
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy										

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)										
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)										
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)										
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers										
78	Mothers And careGivers Investing in Children (MAGIC)										
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care										
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)										
81	Healthy Children, Healthy Families: Parents Making A Difference			*							
82	Healthy Sleeping and Feeding During Infancy										
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study										
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)										
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)										
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)										
87	Children's Healthy Living Community Randomized Trial (CHL)										
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)										
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)										
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools										
91	The Baby Act Trial										

<b>Study No.</b>	<b>Study title</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
92	SPOON: Sustained Program for Improving Nutrition - Colombia										
93	Protocol Feasibility Study of HENRY										
94	Wellness Action Plan Trial Addressing Childhood Obesity										
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)										
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)										
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres										
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)										
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds										
100	Healthy Homes, Healthy Habits (HABITS)										
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva										
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial										
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)										
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers										
105	Prevention Through Activity in Kindergarten Trial (PAKT)										
106	Preschoolers Activity Trial										
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster randomized trial										

<b>Study No.</b>	<b>Study title</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)										
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial										
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'la bouge)										
111	Promoting Healthy Development With the Recipe 4 Success Intervention	*								*	
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study										
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?										
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)										*
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)										
116	Opaque Bottle Study										
117	Guelph Family Health Study: Full Study (GFHS)										
118	Our Year of Healthy Living (Formative Research & Intervention)										
119	Healthy Start to Feeding Intervention										
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)										
121	Media Use in Preschooler Study (MUPS)										
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity										
123	Anticipatory Guidance to Prevent Childhood Obesity										
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits										

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.										
126	The BeeBOFT Study.							*			
127	The Together Happy (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.							*			
128	PreSchool@HealthyWeight										
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months										
130	Prevention of Overweight in Infancy										
131	Baby-led introduction to solids (BLISS)										
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)										
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska										
134	Tools For Teen Moms: Reducing Infant Obesity Risk								*		
135	Preventing American Indian Children From Becoming Overweight										
136	Project HERA (Health, Education, and Relationship-building for Adolescents- Moms and Tots)										
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development										
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention										
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial						*				
140	Start for Life										
141	Food Friends: Get Movin' With Mighty Moves										



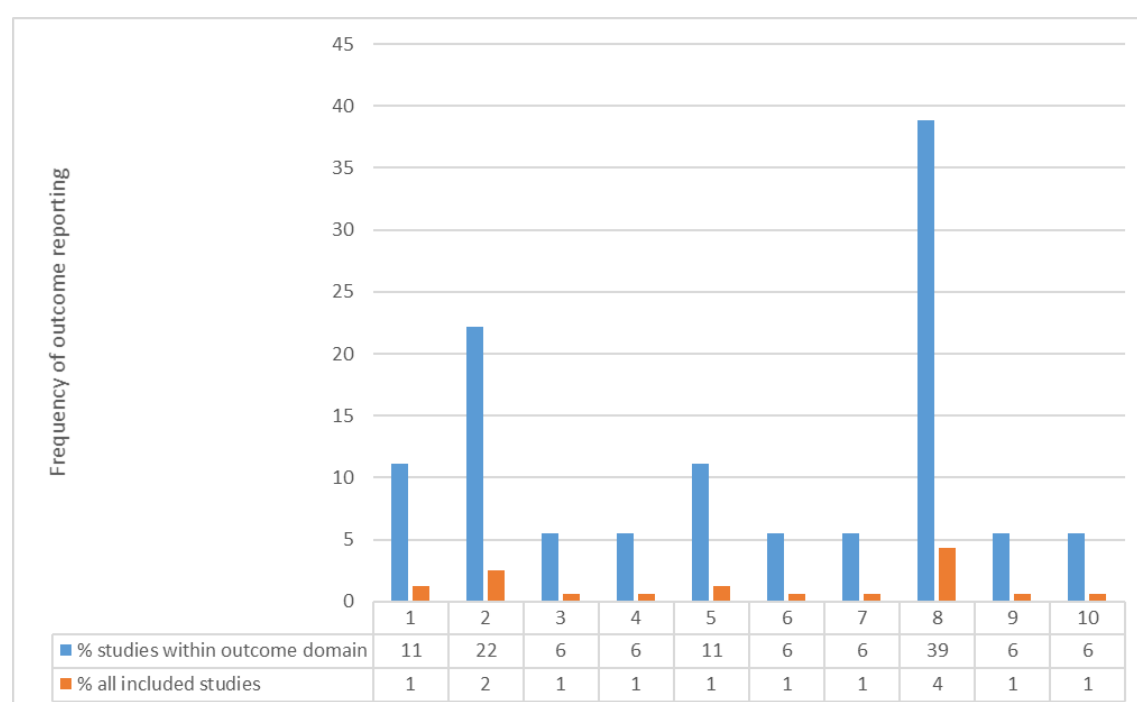
Study No.	Study title	1	2	3	4	5	6	7	8	9	10
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program										
143	The POP (Prevention of Overweight among Pre-school and school children) project										
144	An intervention to reduce television viewing by preschool children										
145	The Kindergarten Mobil (KiMo)-project										
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children										
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens										
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children										
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial										
150	An intervention to preschool children for reducing screen time: a randomized controlled trial										
151	Tooty Fruity Vegie										
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors										
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran										
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)							*			
155	Guelph Family Health Study: Pilot Study										

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
156	Starting Early Obesity Prevention Program										
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial										
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta										
159	Enhancing Caregiver-Infant Communication to Prevent Obesity										
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity										
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial				*						

*Table notes:* 1= Competence. 2= Co-parenting. 3= Not specified clearly. 4= Parental role-modelling. 5= Parental warmth. 6= Parent-child interaction. 7= Parenting style. 8= Responsiveness. 9= Sensitive scaffolding. 10= Social support.

**Supplementary File S6.12 – Frequency of outcome reporting –Perceptions of child/parent/caregiver/family and Preferences outcome domain**

Figure S6.12 – Frequency of outcomes reported within the Perceptions of child/parent/caregiver/family and Preferences outcome domain and across all studies



*Figure notes:* 1= Activity preference or perception. 2= Food preference. 3= Perception of family. 4= Perception of Infant Intentionality. 5= Perception of parent/caregiver influence on child's health behaviours. 6= Perception of partner's attitude. 7= Perception of Patient Centeredness. 8= Perception of weight. 9= Perceptions of adequacy of resources and barriers. 10= Perception of intervention.

Table S6.12 – Outcomes reporting in the Perceptions of child/parent/caregiver/family and Preferences outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children										
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction										

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
3	PRIMROSE: Primary prevention of childhood obesity at child health centers										
4	Reduction of food-related fears and promotion of healthy dietary habits in children										
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial										
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers										
7	Increasing vegetable intake in children										
8	Prevention of obesity in children										
9	Dundee Family Health Study										
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy										
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)										
12	The CHAT study										
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years										
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.			*							
15	Baby Milk Study: establishing a healthy growth trajectory from birth										

<b>Study No.</b>	<b>Study title</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants										
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood										
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.										
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland										
20	Addressing Obesity in Early Care and Education Settings										
21	Healthy Change: intervention in maternal perception of pre-school child weight					*			*		
22	Helping pre-school children to avoid obesity										
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.										
24	Health and Wellbeing During the Preschool Years										
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)										
26	A nutrition intervention research project for low-income mothers of toddlers										
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)										

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series										
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.		*								
30	Physical activity in disadvantaged pre-schools										
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?										
32	An educational intervention to promote healthy lifestyles in preschool aged children										
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry										
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children										
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children										
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children										
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children										
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial										

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers										
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial										
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"										
42	Evaluation of the health effects of JolinchenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany										
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security										
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)										
45	Family-based Outcome Results								*		
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers										
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities										
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children										
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)										

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)										
51	Míranos! Program, a Preschool Obesity Prevention RCT		*								
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention										
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity										
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context										
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)										
56	Prevention of Obesity in Toddlers (PROBIT) Trial										
57	Preschool Based Obesity Prevention Effectiveness Trial										
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)								*		
59	SDSU MOVE/Me Nuevo Project										
60	FirstStep2Health Intervention										
61	In-home Obesity Prevention to Reach Low-income Infants										
62	Early Childhood Obesity Prevention Program (ECHO)										
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers										
64	The SLeeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME)										
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity: The ToyBox-study										
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE)										



Study No.	Study title	1	2	3	4	5	6	7	8	9	10
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)		*								
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)									*	
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)										
70	Starting Healthy Staying Healthy Pilot Trial										
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial										
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)										
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy										
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)										
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)							*			
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)										
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers										
78	Mothers And careGivers Investing in Children (MAGIC)										
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care										

<b>Study No.</b>	<b>Study title</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)										
81	Healthy Children, Healthy Families: Parents Making A Difference										
82	Healthy Sleeping and Feeding During Infancy										
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study										
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)										
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)										
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)										
87	Children's Healthy Living Community Randomized Trial (CHL)										
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)										
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)										
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools										
91	The Baby Act Trial										
92	SPOON: Sustained Program for Improving Nutrition - Colombia										
93	Protocol Feasibility Study of HENRY										
94	Wellness Action Plan Trial Addressing Childhood Obesity								*		
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)										
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)										

<b>Study No.</b>	<b>Study title</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres										
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)										
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds										
100	Healthy Homes, Healthy Habits (HABITS)										
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva										
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial										
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)										
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers										
105	Prevention Through Activity in Kindergarten Trial (PAKT)										
106	Preschoolers Activity Trial										
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster randomized trial										
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)										

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial										
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'là bouge)										
111	Promoting Healthy Development With the Recipe 4 Success Intervention										
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study										
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?										
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)										
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)	*							*		
116	Opaque Bottle Study										*
117	Guelph Family Health Study: Full Study (GFHS)										
118	Our Year of Healthy Living (Formative Research & Intervention)										
119	Healthy Start to Feeding Intervention										
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)										
121	Media Use in Preschooler Study (MUPS)										

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity								*		
123	Anticipatory Guidance to Prevent Childhood Obesity					*					
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits										
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.										
126	The BeeBOFT Study										
127	The Together Happy (Samen Happie!) intervenion to prevent obesity through parenting: A study among Dutch parents of infants.										
128	PreSchool@HealthyWeight										
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months										
130	Prevention of Overweight in Infancy										
131	Baby-led introduction to solids (BLISS)						*				
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)										
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska										
134	Tools For Teen Moms: Reducing Infant Obesity Risk										
135	Preventing American Indian Children From Becoming Overweight										
136	Project HERA (Health, Education, and Relationship-building for Adolescents- Moms and Tots)										
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development										

<b>Study No.</b>	<b>Study title</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention										
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial										
140	Start for Life										
141	Food Friends: Get Movin' With Mighty Moves										
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program										
143	The POP (Prevention of Overweight among Pre-school and school children) project										
144	An intervention to reduce television viewing by preschool children										
145	The Kindergarten Mobil (KiMo)-project										
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children										
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens	*	*								
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children										
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-RCT										
150	An intervention to preschool children for reducing screen time: a randomized controlled trial										

Study No.	Study title	1	2	3	4	5	6	7	8	9	10
151	Tooty Fruity Veggie										
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors										
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran										
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)								*		
155	Guelph Family Health Study: Pilot Study										
156	Starting Early Obesity Prevention Program										
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial										
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta										
159	Enhancing Caregiver-Infant Communication to Prevent Obesity				*						
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity										
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial										

*Table notes:* 1= Activity preference or perception. 2= Food preference. 3= Perception of family. 4= Perception of Infant Intentionality. 5= Perception of parent/caregiver influence on child's health behaviours. 6= Perception of partner's attitude. 7= Perception of Patient Centeredness. 8= Perception of weight. 9= Perceptions of adequacy of resources and barriers. 10= Perception of intervention.



# Supplementary File S6.13 – Frequency of outcome reporting –Motor Skill Development outcome domain

Figure S6.13 – Frequency of outcomes reported within the Motor Skill Development outcome domain and across all studies

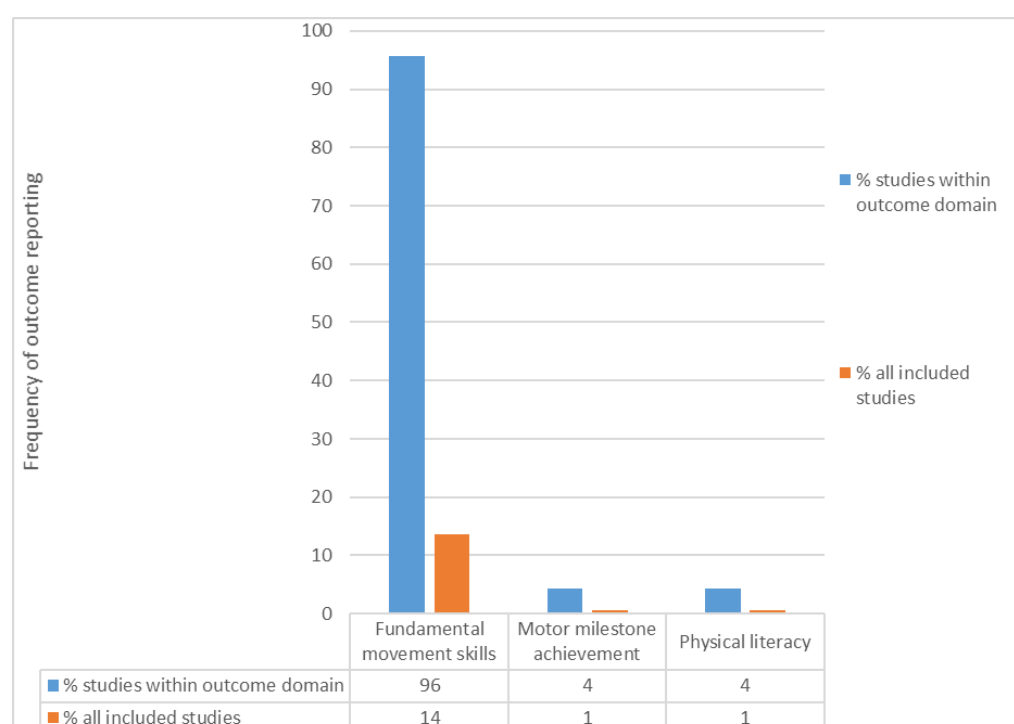


Table S6.13 – Outcomes reporting in the Motor Skill Development outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	Fundamental movement skills	Motor milestone achievement	Physical literacy
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children			
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction	*		
3	PRIMROSE: Primary prevention of childhood obesity at child health centers			
4	Reduction of food-related fears and promotion of healthy dietary habits in children			
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial			

<b>Study No.</b>	<b>Study title</b>	<b>Fundamental movement skills</b>	<b>Motor milestone achievement</b>	<b>Physical literacy</b>
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers	*		
7	Increasing vegetable intake in children			
8	Prevention of obesity in children			
9	Dundee Family Health Study			
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy			
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)			
12	The CHAT study			
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years			
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.			
15	Baby Milk Study: establishing a healthy growth trajectory from birth			
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants	*		
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood			
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.			
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland			
20	Addressing Obesity in Early Care and Education Settings			
21	Healthy Change: intervention in maternal perception of pre-school child weight			
22	Helping pre-school children to avoid obesity			

<b>Study No.</b>	<b>Study title</b>	<b>Fundamental movement skills</b>	<b>Motor milestone achievement</b>	<b>Physical literacy</b>
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.			
24	Health and Wellbeing During the Preschool Years			
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)			
26	A nutrition intervention research project for low-income mothers of toddlers			
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)			
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series			
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.			
30	Physical activity in disadvantaged pre-schools	*		
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?			
32	An educational intervention to promote healthy lifestyles in preschool aged children			
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry			
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children			
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children	*		
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children			
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children			

<b>Study No.</b>	<b>Study title</b>	<b>Fundamental movement skills</b>	<b>Motor milestone achievement</b>	<b>Physical literacy</b>
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial			
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers			
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial			
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"	*		
42	Evaluation of the health effects of JolinchenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany	*		
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security			
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)			
45	Family-based Outcome Results			
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers			
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities			
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children			
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)			
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)	*		
51	Míranos! Program, a Preschool Obesity Prevention RCT	*		
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention			
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity			

<b>Study No.</b>	<b>Study title</b>	<b>Fundamental movement skills</b>	<b>Motor milestone achievement</b>	<b>Physical literacy</b>
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context			
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)			
56	Prevention of Obesity in Toddlers (PROBIT) Trial			
57	Preschool Based Obesity Prevention Effectiveness Trial			
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)			
59	SDSU MOVE/Me Nuevo Project			
60	FirstStep2Health Intervention			
61	In-home Obesity Prevention to Reach Low-income Infants			
62	Early Childhood Obesity Prevention Program (ECHO)			
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers			
64	The SLeeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project			
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity:The ToyBox-study			
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) (CHILE)			
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)			
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)			
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)			
70	Starting Healthy Staying Healthy Pilot Trial			
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial			
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)			
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy			

<b>Study No.</b>	<b>Study title</b>	<b>Fundamental movement skills</b>	<b>Motor milestone achievement</b>	<b>Physical literacy</b>
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)			
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)			
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)			
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers			
78	Mothers And careGivers Investing in Children (MAGIC)			
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care			
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)			
81	Healthy Children, Healthy Families: Parents Making A Difference			
82	Healthy Sleeping and Feeding During Infancy			
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study		*	
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)			
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)			
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)			
87	Children's Healthy Living Community Randomized Trial (CHL)			
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)			
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)			
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools			
91	The Baby Act Trial			
92	SPOON: Sustained Program for Improving Nutrition - Colombia			
93	Protocol Feasibility Study of HENRY			
94	Wellness Action Plan Trial Addressing Childhood Obesity			
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)			

<b>Study No.</b>	<b>Study title</b>	<b>Fundamental movement skills</b>	<b>Motor milestone achievement</b>	<b>Physical literacy</b>
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)			
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres	*		*
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)			
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds			
100	Healthy Homes, Healthy Habits (HABITS)			
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva			
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial	*		
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)	*		
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers			
105	Prevention Through Activity in Kindergarten Trial (PAKT)	*		
106	Preschoolers Activity Trial	*		
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster randomized trial			
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)			
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial			
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'la bouge)	*		
111	Promoting Healthy Development With the Recipe 4 Success Intervention			
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study			

<b>Study No.</b>	<b>Study title</b>	<b>Fundamental movement skills</b>	<b>Motor milestone achievement</b>	<b>Physical literacy</b>
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?			
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)			
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)			
116	Opaque Bottle Study			
117	Guelph Family Health Study: Full Study (GFHS)			
118	Our Year of Healthy Living (Formative Research & Intervention)			
119	Healthy Start to Feeding Intervention			
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)			
121	Media Use in Preschooler Study (MUPS)			
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity			
123	Anticipatory Guidance to Prevent Childhood Obesity			
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits			
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.			
126	The BeeBOFT Study.			
127	The Together Happy (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.			
128	PreSchool@HealthyWeight	*		
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months			
130	Prevention of Overweight in Infancy	*		
131	Baby-led introduction to solids (BLISS)	*		
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)			
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska			
134	Tools For Teen Moms: Reducing Infant Obesity Risk			
135	Preventing American Indian Children From Becoming Overweight			

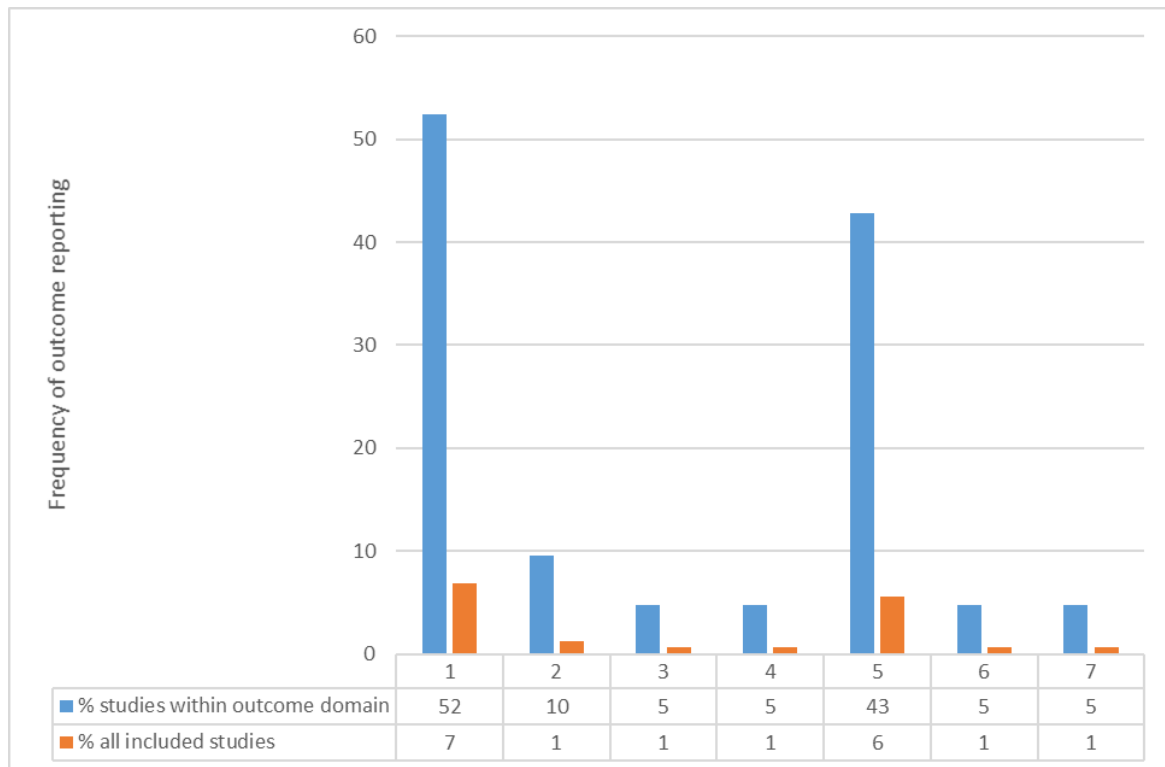


<b>Study No.</b>	<b>Study title</b>	<b>Fundamental movement skills</b>	<b>Motor milestone achievement</b>	<b>Physical literacy</b>
136	Project HERA (Health, Education, and Relationship-building for Adolescents- Moms and Tots)			
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development	*		
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention			
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial			
140	Start for Life			
141	Food Friends: Get Movin' With Mighty Moves	*		
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program			
143	The POP (Prevention of Overweight among Pre-school and school children) project			
144	An intervention to reduce television viewing by preschool children			
145	The Kindergarten Mobil (KiMo)-project	*		
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children			
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens			
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children			
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial			
150	An intervention to preschool children for reducing screen time: a randomized controlled trial			
151	Tooty Fruity Vegie	*		
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors			

<b>Study No.</b>	<b>Study title</b>	<b>Fundamental movement skills</b>	<b>Motor milestone achievement</b>	<b>Physical literacy</b>
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran			
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)			
155	Guelph Family Health Study: Pilot Study			
156	Starting Early Obesity Prevention Program			
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial			
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta			
159	Enhancing Caregiver-Infant Communication to Prevent Obesity			
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity			
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial			

# Supplementary File S6.14 – Frequency of outcome reporting –Environmental outcome domain

Figure S6.14 – Frequency of outcomes reported within the Environmental outcome domain and across all studies



*Figure notes:* 1= ECEC environment. 2= Healthcare environment. 3= Nature relatedness. 4= Neighbourhood environment. 5= Obesogenic home environment. 6= Other home environment. 7= Support for creating healthy environment.

Table S6.14 – Outcomes reporting in the Environmental outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	1	2	3	4	5	6	7
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children							
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction							
3	PRIMROSE: Primary prevention of childhood obesity at child health centers							

Study No.	Study title	1	2	3	4	5	6	7
4	Reduction of food-related fears and promotion of healthy dietary habits in children							
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial							
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers	*						
7	Increasing vegetable intake in children							
8	Prevention of obesity in children							
9	Dundee Family Health Study							
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy					*		
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)						*	
12	The CHAT study							
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years							
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.							
15	Baby Milk Study: establishing a healthy growth trajectory from birth							
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants							
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood							
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.							

Study No.	Study title	1	2	3	4	5	6	7
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland							
20	Addressing Obesity in Early Care and Education Settings	*						
21	Healthy Change: intervention in maternal perception of pre-school child weight					*		
22	Helping pre-school children to avoid obesity							
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.	*						
24	Health and Wellbeing During the Preschool Years							
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)							
26	A nutrition intervention research project for low-income mothers of toddlers							
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)							
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series							
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.							
30	Physical activity in disadvantaged pre-schools							
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?							
32	An educational intervention to promote healthy lifestyles in preschool aged children							

<b>Study No.</b>	<b>Study title</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry							
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children							
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children							
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children							
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children							
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial							
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers							
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial							
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"	*						
42	Evaluation of the health effects of JolinenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany							
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security							
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)							
45	Family-based Outcome Results							

Study No.	Study title	1	2	3	4	5	6	7
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers							
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities							
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children							
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)							
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)							
51	Míranos! Program, a Preschool Obesity Prevention RCT							
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention							
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity		*					
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context							
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)							
56	Prevention of Obesity in Toddlers (PROBIT) Trial							
57	Preschool Based Obesity Prevention Effectiveness Trial							
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)							
59	SDSU MOVE/Me Nuevo Project							
60	FirstStep2Health Intervention	*				*		
61	In-home Obesity Prevention to Reach Low-income Infants							
62	Early Childhood Obesity Prevention Program (ECHO)							
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers							
64	The SLeeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project							

<b>Study No.</b>	<b>Study title</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity: The ToyBox-study							
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) (CHILE)	*						*
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)							
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)							
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)							
70	Starting Healthy Staying Healthy Pilot Trial							
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial							
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)							
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy		*		*			
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)							
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)							
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)							
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers							
78	Mothers And careGivers Investing in Children (MAGIC)							
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care							



<b>Study No.</b>	<b>Study title</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)							
81	Healthy Children, Healthy Families: Parents Making A Difference							
82	Healthy Sleeping and Feeding During Infancy							
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study							
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)					*		
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)							
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)							
87	Children's Healthy Living Community Randomized Trial (CHL)							
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)							
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)							
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools							
91	The Baby Act Trial							
92	SPOON: Sustained Program for Improving Nutrition - Colombia							
93	Protocol Feasibility Study of HENRY							
94	Wellness Action Plan Trial Addressing Childhood Obesity							
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)							
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)							
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres	*						
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)	*				*		
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds							
100	Healthy Homes, Healthy Habits (HABITS)					*		

Study No.	Study title	1	2	3	4	5	6	7
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva							
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial							
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)							
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers							
105	Prevention Through Activity in Kindergarten Trial (PAKT)							
106	Preschoolers Activity Trial							
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster randomized trial							
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)							
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial							
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'là bouge)							
111	Promoting Healthy Development With the Recipe 4 Success Intervention							
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study	*						
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?							
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)							

<b>Study No.</b>	<b>Study title</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)			*				
116	Opaque Bottle Study							
117	Guelph Family Health Study: Full Study (GFHS)							
118	Our Year of Healthy Living (Formative Research & Intervention)	*				*		
119	Healthy Start to Feeding Intervention							
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)	*						
121	Media Use in Preschooler Study (MUPS)							
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity							
123	Anticipatory Guidance to Prevent Childhood Obesity							
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits							
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.							
126	The BeeBOFT Study.							
127	The Together Happy (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.							
128	PreSchool@HealthyWeight							
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months							
130	Prevention of Overweight in Infancy							
131	Baby-led introduction to solids (BLISS)							
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)							
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska							
134	Tools For Teen Moms: Reducing Infant Obesity Risk							
135	Preventing American Indian Children From Becoming Overweight							

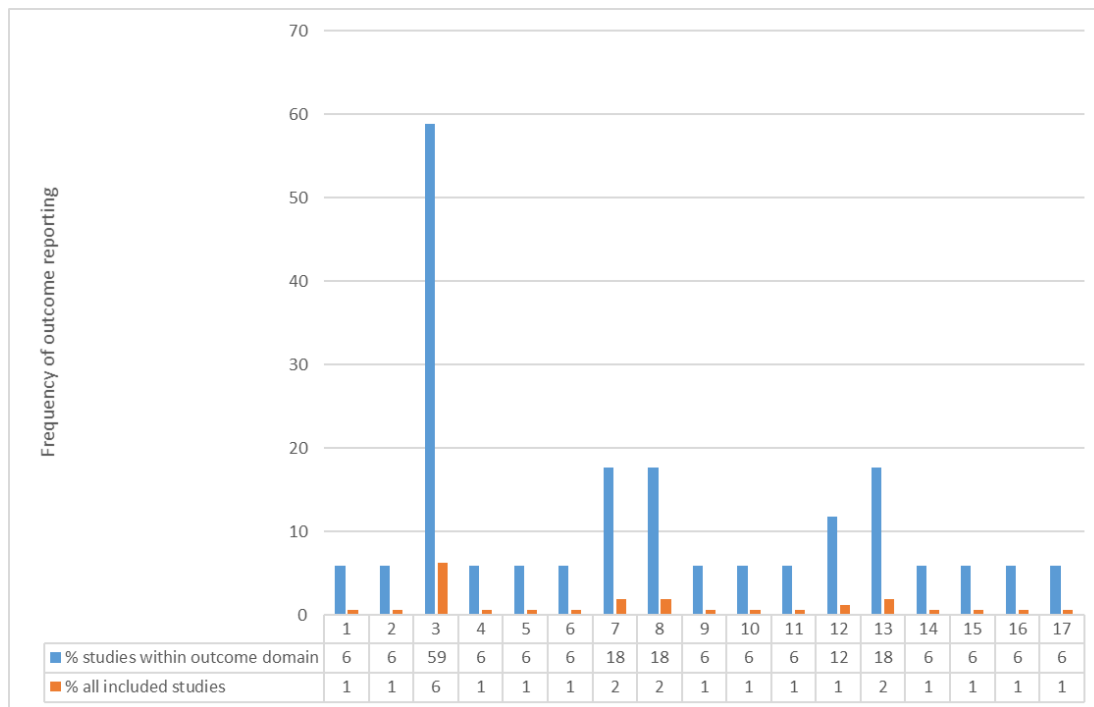
<b>Study No.</b>	<b>Study title</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
136	Project HERA (Health, Education, and Relationship-building for Adolescents-Moms and Tots)							
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development							
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention							
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial							
140	Start for Life							
141	Food Friends: Get Movin' With Mighty Moves							
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program							
143	The POP (Prevention of Overweight among Pre-school and school children) project							
144	An intervention to reduce television viewing by preschool children							
145	The Kindergarten Mobil (KiMo)-project							
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children							
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens							
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children							
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial							
150	An intervention to preschool children for reducing screen time: a randomized controlled trial							
151	Tooty Fruity Veggie							

Study No.	Study title	1	2	3	4	5	6	7
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors							
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran							
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)							
155	Guelph Family Health Study: Pilot Study							
156	Starting Early Obesity Prevention Program							
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial					*		
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta							
159	Enhancing Caregiver-Infant Communication to Prevent Obesity							
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity							
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial					*		

*Table notes:* 1= ECEC environment. 2= Healthcare environment. 3= Nature relatedness. 4= Neighbourhood environment. 5= Obesogenic home environment. 6= Other home environment. 7= Support for creating healthy environment

# Supplementary File S6.15 – Frequency of outcome reporting –Blood and lymphatic system outcome domain

Figure S6.15 – Frequency of outcomes reported within the Blood and lymphatic system outcome domain and across all studies



**Figure notes:** 1= Adiponectin. 2= Biomarkers. 3= Blood pressure. 4= Cardiometabolic risk. 5= Carotid thickness. 6= Cholesterol. 7= Glucose. 8= Hemoglobin. 9= Insulin. 10= Iron. 11= Leptin. 12= Lipids. 13= Metabolic and inflammatory parameters. 14= Protein. 15= Triglycerides. 16= Vitamin D. 17= Zinc.

Table S6.15 – Outcomes reporting in the Blood and lymphatic system outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children																	
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction			*														
3	PRIMROSE: Primary prevention of childhood obesity at child health centers																	
4	Reduction of food-related fears and promotion of healthy dietary habits in children																	
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial																	
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers																	
7	Increasing vegetable intake in children																	
8	Prevention of obesity in children																	
9	Dundee Family Health Study																	
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy																	
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)			*	*													
12	The CHAT study																	
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years																	

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.																	
15	Baby Milk Study: establishing a healthy growth trajectory from birth																	
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants																	
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood																	
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.																	
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland																	
20	Addressing Obesity in Early Care and Education Settings																	
21	Healthy Change: intervention in maternal perception of pre-school child weight																	
22	Helping pre-school children to avoid obesity																	
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.																	
24	Health and Wellbeing During the Preschool Years																	
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)																	
26	A nutrition intervention research project for low-income mothers of toddlers																	



Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)																	
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series																	
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.																	
30	Physical activity in disadvantaged pre-schools																	
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?																	
32	An educational intervention to promote healthy lifestyles in preschool aged children																	
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry																	
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children																	
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children																	
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children																	
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children			*														

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial																	
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers																	
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial								*									
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"													*				
42	Evaluation of the health effects of JolinchenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany																	
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security																	
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)																	
45	Family-based Outcome Results																	
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers																	
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities																	
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children																	

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)																	
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)																	
51	Míranos! Program, a Preschool Obesity Prevention RCT																	
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention																	
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity																	
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context																	
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)			*		*	*	*		*					*	*	*	
56	Prevention of Obesity in Toddlers (PROBIT) Trial																	
57	Preschool Based Obesity Prevention Effectiveness Trial																	
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)																	
59	SDSU MOVE/Me Nuevo Project																	
60	FirstStep2Health Intervention																	
61	In-home Obesity Prevention to Reach Low-income Infants	*		*				*				*	*					
62	Early Childhood Obesity Prevention Program (ECHO)																	
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers																	
64	The SLeeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project																	
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity:The ToyBox-study																	
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) (CHILE)																	

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)																	
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)																	
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)																	
70	Starting Healthy Staying Healthy Pilot Trial																	
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial																	
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)			*				*					*					
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy																	
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)																	
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)																	
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)																	
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers																	
78	Mothers And careGivers Investing in Children (MAGIC)																	
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care																	
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)																	

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
81	Healthy Children, Healthy Families: Parents Making A Difference																	
82	Healthy Sleeping and Feeding During Infancy																	
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study																	
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)																	
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)								*									
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)								*									
87	Children's Healthy Living Community Randomized Trial (CHL)																	
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)																	
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)																	
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools																	
91	The Baby Act Trial													*				
92	SPOON: Sustained Program for Improving Nutrition - Colombia																	
93	Protocol Feasibility Study of HENRY																	
94	Wellness Action Plan Trial Addressing Childhood Obesity																	
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)																	
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)																	
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres																	

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)																	
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds																	
100	Healthy Homes, Healthy Habits (HABITS)																	
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva																	
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial																	
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)																	
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers																	
105	Prevention Through Activity in Kindergarten Trial (PAKT)			*														
106	Preschoolers Activity Trial																	
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster randomized trial																	
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)																	
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial			*														
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'la bouge)																	

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
111	Promoting Healthy Development With the Recipe 4 Success Intervention																	
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study																	
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?																	
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)																	
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)																	
116	Opaque Bottle Study																	
117	Guelph Family Health Study: Full Study (GFHS)																	
118	Our Year of Healthy Living (Formative Research & Intervention)																	
119	Healthy Start to Feeding Intervention																	
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)																	
121	Media Use in Preschooler Study (MUPS)																	
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity																	
123	Anticipatory Guidance to Prevent Childhood Obesity																	
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits			*														
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.																	
126	The BeeBOFT Study																	

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
127	The Together Happy (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.																	
128	PreSchool@HealthyWeight																	
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months													*				
130	Prevention of Overweight in Infancy																	
131	Baby-led introduction to solids (BLISS)										*							*
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)																	
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska																	
134	Tools For Teen Moms: Reducing Infant Obesity Risk																	
135	Preventing American Indian Children From Becoming Overweight																	
136	Project HERA (Health, Education, and Relationship-building for Adolescents- Moms and Tots)																	
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development																	
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention																	
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial																	
140	Start for Life																	
141	Food Friends: Get Movin' With Mighty Moves																	
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program																	



Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
143	The POP (Prevention of Overweight among Pre-school and school children) project																	
144	An intervention to reduce television viewing by preschool children																	
145	The Kindergarten Mobil (KiMo)-project																	
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children																	
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens																	
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children																	
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial																	
150	An intervention to preschool children for reducing screen time: a randomized controlled trial																	
151	Tooty Fruity Veggie																	
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors																	
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran																	
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)																	
155	Guelph Family Health Study: Pilot Study		*	*														
156	Starting Early Obesity Prevention Program																	

Study No.	Study title	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial																	
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta																	
159	Enhancing Caregiver-Infant Communication to Prevent Obesity																	
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity																	
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial																	

*Table notes:* 1= Adiponectin. 2= Biomarkers. 3= Blood pressure. 4= Cardiometabolic risk. 5= Carotid thickness. 6= Cholesterol. 7= Glucose. 8= Hemoglobin. 9= Insulin. 10= Iron. 11= Leptin. 12= Lipids. 13= Metabolic and inflammatory parameters. 14= Protein. 15= Triglycerides. 16= Vitamin D. 17= Zinc.

# Supplementary File S6.16 – Frequency of outcome reporting –Quality of Life outcome domain

Figure S6.16 – Frequency of outcomes reported within the Quality of Life outcome domain and across all studies

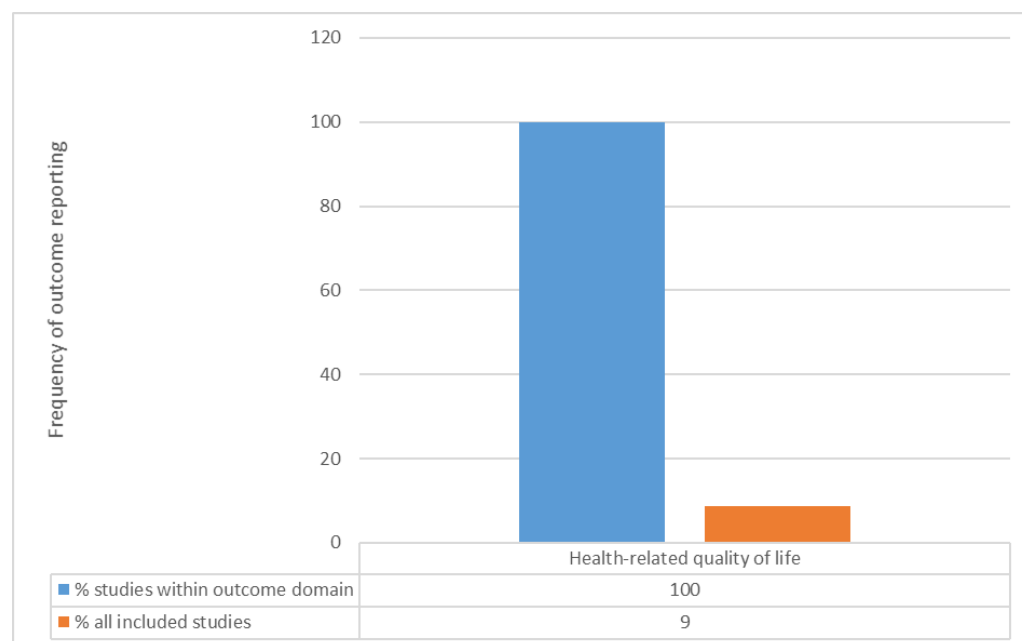


Table S6.16 – Outcomes reporting in the Quality of Life outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	Health-related quality of life
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children	
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction	
3	PRIMROSE: Primary prevention of childhood obesity at child health centers	
4	Reduction of food-related fears and promotion of healthy dietary habits in children	
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial	
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers	*
7	Increasing vegetable intake in children	
8	Prevention of obesity in children	
9	Dundee Family Health Study	*
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy	
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)	
12	The CHAT study	

<b>Study No.</b>	<b>Study title</b>	<b>Health-related quality of life</b>
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years	*
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.	*
15	Baby Milk Study: establishing a healthy growth trajectory from birth	*
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants	
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood	
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.	
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland	
20	Addressing Obesity in Early Care and Education Settings	
21	Healthy Change: intervention in maternal perception of pre-school child weight	
22	Helping pre-school children to avoid obesity	
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.	
24	Health and Wellbeing During the Preschool Years	
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)	
26	A nutrition intervention research project for low-income mothers of toddlers	
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)	
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series	
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.	
30	Physical activity in disadvantaged pre-schools	
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?	
32	An educational intervention to promote healthy lifestyles in preschool aged children	
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry	
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children	
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children	

<b>Study No.</b>	<b>Study title</b>	<b>Health-related quality of life</b>
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children	
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children	
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial	
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers	
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial	
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"	*
42	Evaluation of the health effects of JolinchenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany	*
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security	
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)	
45	Family-based Outcome Results	
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers	
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities	
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children	
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)	
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)	
51	Míranos! Program, a Preschool Obesity Prevention RCT	
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention	
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity	
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context	
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)	
56	Prevention of Obesity in Toddlers (PROBIT) Trial	
57	Preschool Based Obesity Prevention Effectiveness Trial	
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)	
59	SDSU MOVE/Me Nuevo Project	
60	FirstStep2Health Intervention	
61	In-home Obesity Prevention to Reach Low-income Infants	
62	Early Childhood Obesity Prevention Program (ECHO)	
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers	

<b>Study No.</b>	<b>Study title</b>	<b>Health-related quality of life</b>
64	The SLEeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project	
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity:The ToyBox-study	
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) (CHILE)	
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)	
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)	
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)	
70	Starting Healthy Staying Healthy Pilot Trial	
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial	
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)	
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy	
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)	
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)	
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)	
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers	*
78	Mothers And careGivers Investing in Children (MAGIC)	
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care	
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)	
81	Healthy Children, Healthy Families: Parents Making A Difference	
82	Healthy Sleeping and Feeding During Infancy	
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study	
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)	*
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)	
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)	
87	Children's Healthy Living Community Randomized Trial (CHL)	
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)	
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)	
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools	
91	The Baby Act Trial	
92	SPOON: Sustained Program for Improving Nutrition - Colombia	

Study No.	Study title	Health-related quality of life
93	Protocol Feasibility Study of HENRY	
94	Wellness Action Plan Trial Addressing Childhood Obesity	
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)	
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)	
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres	
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)	
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds	
100	Healthy Homes, Healthy Habits (HABITS)	
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" (NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva	
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial	
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)	*
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers	
105	Prevention Through Activity in Kindergarten Trial (PAKT)	
106	Preschoolers Activity Trial	
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster randomized trial	
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)	
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial	*
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'la bouge)	*
111	Promoting Healthy Development With the Recipe 4 Success Intervention	
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study	
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?	
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)	
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)	
116	Opaque Bottle Study	
117	Guelph Family Health Study: Full Study (GFHS)	
118	Our Year of Healthy Living (Formative Research & Intervention)	
119	Healthy Start to Feeding Intervention	
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)	
121	Media Use in Preschooler Study (MUPS)	
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity	

<b>Study No.</b>	<b>Study title</b>	<b>Health-related quality of life</b>
123	Anticipatory Guidance to Prevent Childhood Obesity	
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits	
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.	
126	The BeeBOFT Study.	
127	The Together Happy (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.	
128	PreSchool@HealthyWeight	
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months	
130	Prevention of Overweight in Infancy	
131	Baby-led introduction to solids (BLISS)	
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)	
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska	
134	Tools For Teen Moms: Reducing Infant Obesity Risk	
135	Preventing American Indian Children From Becoming Overweight	
136	Project HERA (Health, Education, and Relationship-building for Adolescents- Moms and Tots)	
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development	
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention	
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial	
140	Start for Life	
141	Food Friends: Get Movin' With Mighty Moves	
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program	
143	The POP (Prevention of Overweight among Pre-school and school children) project	
144	An intervention to reduce television viewing by preschool children	
145	The Kindergarten Mobil (KiMo)-project	
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children	
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens	
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children	
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial	
150	An intervention to preschool children for reducing screen time: a randomized controlled trial	
151	Tooty Fruity Veggie	



<b>Study No.</b>	<b>Study title</b>	<b>Health-related quality of life</b>
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors	
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran	*
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)	
155	Guelph Family Health Study: Pilot Study	
156	Starting Early Obesity Prevention Program	
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial	
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta	
159	Enhancing Caregiver-Infant Communication to Prevent Obesity	
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity	
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial	*

### Supplementary File S6.17 – Frequency of outcome reporting –Economic outcome domain

Figure S6.17 – Frequency of outcomes reported within the Economic outcome domain and across all studies

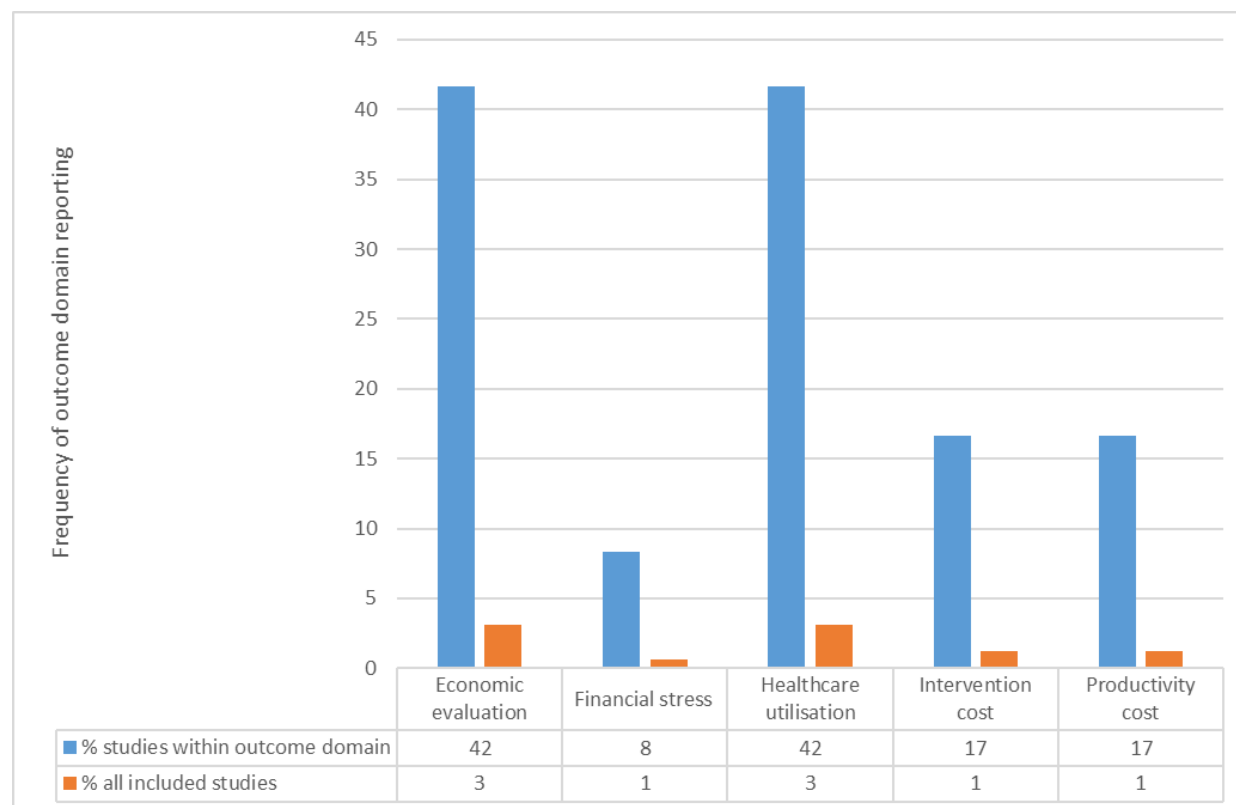


Table S6.17 – Outcomes reporting in the Economic outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	Economic evaluation	Financial stress	Healthcare utilisation	Intervention cost	Productivity cost
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children					
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction					
3	PRIMROSE: Primary prevention of childhood obesity at child health centers					

<b>Study No.</b>	<b>Study title</b>	<b>Economic evaluation</b>	<b>Financial stress</b>	<b>Healthcare utilisation</b>	<b>Intervention cost</b>	<b>Productivity cost</b>
4	Reduction of food-related fears and promotion of healthy dietary habits in children					
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial					
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers					
7	Increasing vegetable intake in children					
8	Prevention of obesity in children					
9	Dundee Family Health Study					
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy					
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)			*		
12	The CHAT study					
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years					
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.	*				
15	Baby Milk Study: establishing a healthy growth trajectory from birth			*	*	

<b>Study No.</b>	<b>Study title</b>	<b>Economic evaluation</b>	<b>Financial stress</b>	<b>Healthcare utilisation</b>	<b>Intervention cost</b>	<b>Productivity cost</b>
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants					
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood					
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.					
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland					
20	Addressing Obesity in Early Care and Education Settings					
21	Healthy Change: intervention in maternal perception of pre-school child weight					
22	Helping pre-school children to avoid obesity					
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.					
24	Health and Wellbeing During the Preschool Years					
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)					
26	A nutrition intervention research project for low-income mothers of toddlers					

<b>Study No.</b>	<b>Study title</b>	<b>Economic evaluation</b>	<b>Financial stress</b>	<b>Healthcare utilisation</b>	<b>Intervention cost</b>	<b>Productivity cost</b>
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)					
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series					
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.					
30	Physical activity in disadvantaged pre-schools	*				
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?					
32	An educational intervention to promote healthy lifestyles in preschool aged children					
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry					
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children					
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children					
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children	*				

<b>Study No.</b>	<b>Study title</b>	<b>Economic evaluation</b>	<b>Financial stress</b>	<b>Healthcare utilisation</b>	<b>Intervention cost</b>	<b>Productivity cost</b>
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children					
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial					
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers					
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial					
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"			*		*
42	Evaluation of the health effects of JolinchenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany					
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security					
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)					
45	Family-based Outcome Results					
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers					

<b>Study No.</b>	<b>Study title</b>	<b>Economic evaluation</b>	<b>Financial stress</b>	<b>Healthcare utilisation</b>	<b>Intervention cost</b>	<b>Productivity cost</b>
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities					
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children					
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)					
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)					
51	Míranos! Program, a Preschool Obesity Prevention RCT					
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention					
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity					
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context					
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)			*		*
56	Prevention of Obesity in Toddlers (PROBIT) Trial					
57	Preschool Based Obesity Prevention Effectiveness Trial					
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)					
59	SDSU MOVE/Me Nuevo Project					
60	FirstStep2Health Intervention					

<b>Study No.</b>	<b>Study title</b>	<b>Economic evaluation</b>	<b>Financial stress</b>	<b>Healthcare utilisation</b>	<b>Intervention cost</b>	<b>Productivity cost</b>
61	In-home Obesity Prevention to Reach Low-income Infants					
62	Early Childhood Obesity Prevention Program (ECHO)					
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers					
64	The SLeePping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project					
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity:The ToyBox-study					
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) (CHILE)					
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)					
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)					
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)					
70	Starting Healthy Staying Healthy Pilot Trial					
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial					
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)					
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy					



<b>Study No.</b>	<b>Study title</b>	<b>Economic evaluation</b>	<b>Financial stress</b>	<b>Healthcare utilisation</b>	<b>Intervention cost</b>	<b>Productivity cost</b>
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)					
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)					
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)					
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers		*			
78	Mothers And careGivers Investing in Children (MAGIC)					
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care					
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)	*				
81	Healthy Children, Healthy Families: Parents Making A Difference					
82	Healthy Sleeping and Feeding During Infancy					
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study					
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)					
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)					
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)					
87	Children's Healthy Living Community Randomized Trial (CHL)					

<b>Study No.</b>	<b>Study title</b>	<b>Economic evaluation</b>	<b>Financial stress</b>	<b>Healthcare utilisation</b>	<b>Intervention cost</b>	<b>Productivity cost</b>
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers					
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)					
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools					
91	The Baby Act Trial				*	
92	SPOON: Sustained Program for Improving Nutrition - Colombia					
93	Protocol Feasibility Study of HENRY					
94	Wellness Action Plan Trial Addressing Childhood Obesity					
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)					
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)					
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres					
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)					
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds					
100	Healthy Homes, Healthy Habits (HABITS)					
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva					

<b>Study No.</b>	<b>Study title</b>	<b>Economic evaluation</b>	<b>Financial stress</b>	<b>Healthcare utilisation</b>	<b>Intervention cost</b>	<b>Productivity cost</b>
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial					
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters					
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers					
105	Prevention Through Activity in Kindergarten Trial (PAKT)					
106	Preschoolers Activity Trial					
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster randomized trial					
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)					
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial					
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'la bouge)					
111	Promoting Healthy Development With the Recipe 4 Success Intervention					
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study					
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?					

<b>Study No.</b>	<b>Study title</b>	<b>Economic evaluation</b>	<b>Financial stress</b>	<b>Healthcare utilisation</b>	<b>Intervention cost</b>	<b>Productivity cost</b>
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)					
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)					
116	Opaque Bottle Study					
117	Guelph Family Health Study: Full Study (GFHS)	*				
118	Our Year of Healthy Living (Formative Research & Intervention)					
119	Healthy Start to Feeding Intervention					
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)					
121	Media Use in Preschooler Study (MUPS)					
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity					
123	Anticipatory Guidance to Prevent Childhood Obesity					
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits			*		
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.					
126	The BeeBOFT Study.					
127	The Together Happy (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.					
128	PreSchool@HealthyWeight					
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months					

<b>Study No.</b>	<b>Study title</b>	<b>Economic evaluation</b>	<b>Financial stress</b>	<b>Healthcare utilisation</b>	<b>Intervention cost</b>	<b>Productivity cost</b>
130	Prevention of Overweight in Infancy					
131	Baby-led introduction to solids (BLISS)					
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)					
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska					
134	Tools For Teen Moms: Reducing Infant Obesity Risk					
135	Preventing American Indian Children From Becoming Overweight					
136	Project HERA (Health, Education, and Relationship-building for Adolescents-Moms and Tots)					
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development					
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention					
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial					
140	Start for Life					
141	Food Friends: Get Movin' With Mighty Moves					
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program					
143	The POP (Prevention of Overweight among Pre-school and school children) project					

<b>Study No.</b>	<b>Study title</b>	<b>Economic evaluation</b>	<b>Financial stress</b>	<b>Healthcare utilisation</b>	<b>Intervention cost</b>	<b>Productivity cost</b>
144	An intervention to reduce television viewing by preschool children					
145	The Kindergarten Mobil (KiMo)-project					
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children					
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens					
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children					
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial					
150	An intervention to preschool children for reducing screen time: a randomized controlled trial					
151	Tooty Fruity Veggie					
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors					
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran					
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)					

<b>Study No.</b>	<b>Study title</b>	<b>Economic evaluation</b>	<b>Financial stress</b>	<b>Healthcare utilisation</b>	<b>Intervention cost</b>	<b>Productivity cost</b>
155	Guelph Family Health Study: Pilot Study					
156	Starting Early Obesity Prevention Program					
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial					
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta					
159	Enhancing Caregiver-Infant Communication to Prevent Obesity					
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity					
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial					

# Supplementary File S6.18 – Frequency of outcome reporting –Oral Health outcome domain

Figure S6.18 – Frequency of outcomes reported within the Oral Health outcome domain and across all studies

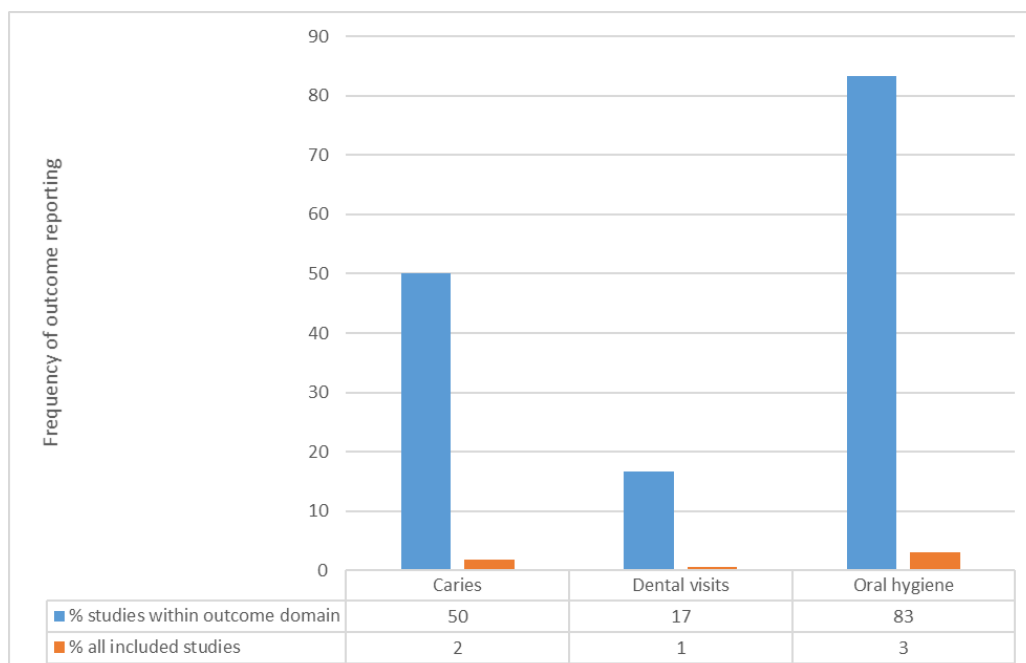


Table S6.18 – Outcomes reporting in the Oral Health outcome domain (Boxes including \* reflect outcomes collected/reported)

Study No.	Study title	Caries	Dental visits	Oral hygiene
1	Healthy feeding habits: a home-visit, controlled exploratory study of a novel, habit-based intervention with parents of pre-school aged children			
2	Randomised controlled trial of a nursery and home based intervention for obesity prevention and cardiovascular risk factor reduction			
3	PRIMROSE: Primary prevention of childhood obesity at child health centers			
4	Reduction of food-related fears and promotion of healthy dietary habits in children			
5	A novel intervention to modify dietary behaviors related to childhood obesity based on behavior modification theory: a cluster randomized controlled trial			
6	Activity Begins in Childhood - a study to inspire healthy active behaviour in preschoolers			
7	Increasing vegetable intake in children			
8	Prevention of obesity in children			
9	Dundee Family Health Study			



<b>Study No.</b>	<b>Study title</b>	<b>Caries</b>	<b>Dental visits</b>	<b>Oral hygiene</b>
10	iGrow Readers Nutrition and Physical Activity Curriculum Efficacy			
11	Preconception-early childhood telephone-based intervention to optimize growth and development among children in Canada: A Healthy Life Trajectory Initiative (HeLTI-Canada)			
12	The CHAT study			
13	Effectiveness and cost-effectiveness of telephone support with Short Message Service in preventing obesity of children aged 2-3 years			
14	The Strong Families Trial: Randomised controlled trial of a family strengthening program to prevent unhealthy weight gain among 5- to 11-year old children from at risk families.			
15	Baby Milk Study: establishing a healthy growth trajectory from birth			
16	Feasibility, acceptability and potential efficacy of group tummy time exercise classes to promote tummy time among infants			
17	Early Food for Future Health: an E-health intervention aiming to promote healthy food habits from early childhood			
18	An app-based intervention to improve the packing of healthy food in children's lunchboxes in childcare.			
19	Increasing physical activity and healthy behaviours at nursery and at home: ToyBox Scotland			
20	Addressing Obesity in Early Care and Education Settings			
21	Healthy Change: intervention in maternal perception of pre-school child weight			
22	Helping pre-school children to avoid obesity			
23	A randomised controlled trial to assess the efficacy of an intervention to increase the physical activity levels of children attending long day care.			
24	Health and Wellbeing During the Preschool Years			
25	Infant-Centered Feeding in a low income population / Healthy Babies Through Infant Centered Feeding (HB)			
26	A nutrition intervention research project for low-income mothers of toddlers			

Study No.	Study title	Caries	Dental visits	Oral hygiene
27	Preventing childhood overweight by promoting healthy lifestyle behaviours from infancy - The extended Infant feeding, activity and nutrition trial (InFANT Extend)			
28	Clinical Trial Of A Brief Lifestyle Parenting Intervention: Lifestyle Triple P Seminar Series			
29	Promoting healthy eating, active play and sustainability consciousness in early childhood curricula: Addressing the Ben10 problem.			
30	Physical activity in disadvantaged pre-schools			
31	Does a pre-school day with less sitting result in acute health benefits in 4-5 year old children?			
32	An educational intervention to promote healthy lifestyles in preschool aged children			
33	Increasing toddlers' vegetable consumption through interactive shared reading of a vegetable-promoting picture book and puppetry			
34	Time2bHealthy: The effects of an online behaviour change program for parents of preschool-aged children			
35	The Healthy Youngsters, Healthy Dads Program: A healthy lifestyle program for fathers and their preschool-aged children			
36	Time for Healthy Habits: Evaluating Two Healthy Eating and Active Living Support Programs for Parents of 2-6 Year Old Children			
37	Sleep, Nutrition and Psychological Functioning in Kindergarten Children			
38	The Infant Feeding Activity and Nutrition Trial (INFANT) an early intervention to prevent childhood obesity: cluster-randomised controlled trial			
39	A web-based program to reduce food-related fears and promote healthy dietary habits in toddlers			
40	Techniques for Infant Feeding initiation: A Randomized Controlled Trial	*		*
41	"Healthy Eating, Active Play - Promoting a healthy lifestyle in Young CHILDren (HEALTH SURVEY)- Study for the investigation of efficacy and cost effectiveness of the prevention program "Join the healthy boat - kindergarten"			

<b>Study No.</b>	<b>Study title</b>	<b>Caries</b>	<b>Dental visits</b>	<b>Oral hygiene</b>
42	Evaluation of the health effects of JolinchenKids Fit and healthy in daycare, a program for health promotion targeting 3-6 year-old children, at 68 daycare facilities in Germany			
43	Prevention of Obesity in Children: An Intervention Based on Child Care Centers Belonging to the Mexican Institute of Social Security			
44	mHealth for Prevention of Childhood Obesity in Mexico (mHealth)			
45	Family-based Outcome Results			
46	Enhancing Self Regulation as a Strategy for Obesity Prevention in Head Start Preschoolers			
47	Tundra Gifts: Harvesting Local And Regional Resources To Prevent Obesity Among Alaska Native Children In Remote, Underserved Communities			
48	Reducing Television Viewing To Prevent Obesity in Hispanic Preschool Children			
49	Healthy Habits, Happy Homes: An Intervention to Improve Household Routines for Obesity Prevention (HH)			
50	Population Based Intervention to Prevent Obesity in Kindergartens (TigerKids)			
51	Míranos! Program, a Preschool Obesity Prevention RCT			
52	Greenlight Plus Study: Approaches to Early Childhood Obesity Prevention			
53	ST of TN-Salud Con La Familia: Prevent Onset of Ped Obesity			
54	Formative Research - Developing a Family-based Obesity Prevention Intervention in the Canadian Context			
55	Cow Milk Fat Obesity pRevention Trial (CoMFORT)			
56	Prevention of Obesity in Toddlers (PROBIT) Trial			
57	Preschool Based Obesity Prevention Effectiveness Trial			
58	USDA Healthy Caregivers/Healthy Children: A Childhood Obesity Prevention Program (HC2)			
59	SDSU MOVE/Me Nuevo Project			
60	FirstStep2Health Intervention			
61	In-home Obesity Prevention to Reach Low-income Infants			
62	Early Childhood Obesity Prevention Program (ECHO)			

<b>Study No.</b>	<b>Study title</b>	<b>Caries</b>	<b>Dental visits</b>	<b>Oral hygiene</b>
63	Mothers and Others: Family-based Obesity Prevention for Infants and Toddlers			
64	The SLeeping and Intake Methods Taught to Infants and Mothers Early in Life (SLIMTIME) Project			
65	Multi-component, Kindergarten-based, Family-involved Intervention for the Prevention of Childhood Obesity:The ToyBox-study			
66	Child Health Initiative for Lifelong Eating and Exercise (CHILE) (CHILE)			
67	Promoting The Self-Regulation Of Energy Intake (SEEDs)			
68	Effectiveness of Differing Levels of Support for Family Mealtimes on Obesity Prevention Among Head Start Preschools (SimplyDinner)			
69	The Resource Information Program for Parents on Lifestyle and Education (RIPPLE)			
70	Starting Healthy Staying Healthy Pilot Trial			
71	A web-and Mobile Phone-based Intervention in 4-year-olds: a Population-based Randomized Controlled Trial			
72	Study of Health Assessment and Risk Evaluation in Aboriginal Peoples Action Toward Obesity Prevention (SHARE-AP Action)			
73	The Added Value of Telephone Follow Up and Home Visits in Helping Children to Grow Up Healthy			
74	Family-centered Obesity Prevention: Communities for Healthy Living (CHL)			
75	Family Nutrition Physical Activity Tool Use During Well Child Visits (FNPA)			
76	Obesity and Caries in Young South Asian Children: A Common Risk Factor Approach (CHALO)	*	*	*
77	Strong Futures: A Trial of Two Primary Care Based Interventions to Promote Optimal Health in Latino Infants and Toddlers			
78	Mothers And careGivers Investing in Children (MAGIC)			
79	Community Partnering to Encourage Healthy Beverage Intake Through Child Care			
80	The Optimising Family Engagement in HENRY (OFTEN) Study (OFTEN)			
81	Healthy Children, Healthy Families: Parents Making A Difference			
82	Healthy Sleeping and Feeding During Infancy			

Study No.	Study title	Caries	Dental visits	Oral hygiene
83	The Intervention Nurses Start Infants Growing on Healthy Trajectories (INSIGHT) Study			*
84	Healthy Children, Strong Families: American Indian Communities Preventing Obesity (HCSF2)			
85	SPOON: Sustained Program for Improving Nutrition - Guatemala (SPOON-Guate)			
86	SPOON:Sustained Program for Improving Nutrition - Mexico (SPOON-Mexico)			
87	Children's Healthy Living Community Randomized Trial (CHL)			
88	Fit 5 Kids Screen Time Reduction Curriculum for Latino Preschoolers (Fit5Kids)			
89	Multi-site Trial Using SMS to Improve Infant Weight (SMS)			
90	A Participatory Parental Intervention Promoting Physical Activity in Preschools			
91	The Baby Act Trial			
92	SPOON: Sustained Program for Improving Nutrition - Colombia			
93	Protocol Feasibility Study of HENRY			*
94	Wellness Action Plan Trial Addressing Childhood Obesity			
95	The Eat Right Emirates Healthy Lifestyle Study (ERERCT)			
96	Feeding Young Children Study: Bottle Weaning Intervention (FYCS)			
97	Healthy Start to Increase Physical Activity and Improve Healthy Eating in Early Childcare Centres			
98	ONE PATH: Optimizing Nutrition Education for Parents and Teachers for Healthy Growth (ONE PATH)			
99	A Mobile Phone App to Promote Healthy Diet and Physical Activity in 2.5-year-olds			*
100	Healthy Homes, Healthy Habits (HABITS)			
101	The Impact of the "Nutrition Enrichment and Healthy Living Model" ( NEHLM) on Diet Quality, Physical Activity and Dental Health Among Children From Socioeconomically Disadvantaged Families in Beer Sheva	*		
102	Early Obesity Intervention Program Within GECKO Drenthe; a Randomized Controlled Trial			
103	Influence of a Lifestyle Intervention in Preschool Children on Physiological and Psychological Parameters (Ballabeina)			

<b>Study No.</b>	<b>Study title</b>	<b>Caries</b>	<b>Dental visits</b>	<b>Oral hygiene</b>
104	Baby's First Bites: Promoting Vegetable Intake in Infants and Toddlers			
105	Prevention Through Activity in Kindergarten Trial (PAKT)			
106	Preschoolers Activity Trial			
107	Effects of a Pre-school-based Nutritional Intervention on Children's Eating Behavior and Anthropometric Parameters: a cluster randomized trial			
108	Lifestyle Intervention for Toddlers Pilot Study (LIFT)			
109	Effects of a Multimodal Preference-based Parental Intervention on Preschoolers' Physical Activity Behaviour - a cluster randomized trial			
110	Effect of a Physical-activity-promoting Environment on Motor Skills, Physical Activity and Quality of Life of Children in Childcare Settings (Youp'la bouge)			
111	Promoting Healthy Development With the Recipe 4 Success Intervention			
112	Baby Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) Intervention Study			
113	Peer-mentored Cooking Classes for Parents of Toddlers: Do Families Cook More and Eat Healthier After the Intervention?			
114	Childhood Risk Reduction Program in Hispanics (ECOR-H)			
115	Promoting Healthy Eating and Active Playtime by Connecting Preschool Children to Nature (Play&Grow)			
116	Opaque Bottle Study			
117	Guelph Family Health Study: Full Study (GFHS)			
118	Our Year of Healthy Living (Formative Research & Intervention)			
119	Healthy Start to Feeding Intervention			
120	Lunch is in the Bag: Helping Parents Increase Fruit, Vegetables, and Whole Grains in Preschool Sack Lunches (LIITB)			
121	Media Use in Preschooler Study (MUPS)			
122	Addressing Health Literacy and Numeracy to Prevent Childhood Obesity			
123	Anticipatory Guidance to Prevent Childhood Obesity			

<b>Study No.</b>	<b>Study title</b>	<b>Caries</b>	<b>Dental visits</b>	<b>Oral hygiene</b>
124	Reducing Socioeconomic Disparities in Health at Pediatric Visits			
125	Computer-tailored health information for parents with young children combined with personal counselling in well-child care.			
126	The BeeBOFT Study.			
127	The Together Happy (Samen Happie!) intervention to prevent obesity through parenting: A study among Dutch parents of infants.			
128	PreSchool@HealthyWeight			
129	Preventing Early Childhood Obesity, Part 2: Family Spirit Nurture, Prenatal - 18 Months			
130	Prevention of Overweight in Infancy			
131	Baby-led introduction to solids (BLISS)			
132	SCHeLTI (Sino-Canadian Healthy Life Trajectory Initiative)			
133	Back to Basics: Addressing Childhood Obesity Through Traditional Foods in Alaska			
134	Tools For Teen Moms: Reducing Infant Obesity Risk			
135	Preventing American Indian Children From Becoming Overweight			
136	Project HERA (Health, Education, and Relationship-building for Adolescents- Moms and Tots)			
137	Diet, Physical Activity and Breastfeeding Intervention on Maternal Nutrition, Offspring Growth and Development			
138	Positive feeding practices and food preferences in very early childhood: an innovative approach to obesity prevention			
139	Early intervention of multiple home visits to prevent childhood obesity among a disadvantaged population: a home-based randomised controlled trial			
140	Start for Life			
141	Food Friends: Get Movin' With Mighty Moves			
142	Nutrition and Physical Activity Self-Assessment for Child Care (NAP SACC) program			
143	The POP (Prevention of Overweight among Pre-school and school children) project			
144	An intervention to reduce television viewing by preschool children			
145	The Kindergarten Mobil (KiMo)-project			

<b>Study No.</b>	<b>Study title</b>	<b>Caries</b>	<b>Dental visits</b>	<b>Oral hygiene</b>
146	Effect of a Child Care Center-Based Obesity Prevention Program on Body Mass Index and Nutrition Practices Among Preschool-Aged Children			
147	Long term effects of a health promotion intervention in low socioeconomic Arab-Israeli kindergartens			
148	Pediatric Overweight Prevention through a Parent Training Program for 2–4 Year Old Latino Children			
149	Prevention of overweight in children younger than 2 years old: a pilot cluster-randomized controlled trial			
150	An intervention to preschool children for reducing screen time: a randomized controlled trial			
151	Tooty Fruity Vegie			
152	Long-term follow-up effects of the HomeStyles randomized controlled trial in families with preschool children on social cognitive theory constructs associated with physical activity cognitions and behaviors			
153	Implementing and Pilot Testing of a Customized Intervention to Increase Physical Activity and Healthy Eating among Preschool Children in Iran			
154	Coordination of Care Between Pediatricians and Women Infants & Children Nutritionists (WEE)			
155	Guelph Family Health Study: Pilot Study			
156	Starting Early Obesity Prevention Program			
157	Enabling Mothers to Prevent Pediatric Obesity Through Web-Based Education and Reciprocal Determinism (EMPOWER) Randomized Control Trial			
158	Delta Healthy Sprouts: Intervention to Promote Maternal Weight Control and Reduce Childhood Obesity in the MS Delta			
159	Enhancing Caregiver-Infant Communication to Prevent Obesity			
160	Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity			
161	Interactive Malaysian Childhood Healthy Lifestyle Program (i-MaChEL) Intervention for Preschool's Child-parent Dyads to Prevent Childhood Obesity: A Cluster-randomized Controlled Trial			





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