

Table S1 Search strategy of electronic databases

No.	Concept	PubMed search terms	Number of records (As of December 17, 2019)	Embase search terms	Number of records (As of December 17, 2019)	CINAHL search terms	Number of records (As of December 17, 2019)	Cochrane Library search terms	Number of records (As of December 17, 2019)
#1	Randomized controlled trial	randomized controlled trial[pt] OR "randomized controlled trials as topic"[MeSH] OR "controlled trial"[tiab] OR "intervention*" [tiab] OR "random allocation"[MeSH] OR random*[tiab] OR trial*[tiab]	2,213,419	'randomized controlled trial'/exp OR 'controlled trial'.ab,ti OR intervention'.ab,ti OR 'randomization'/exp OR random*.ab,ti OR trial*.ab,ti	3,447,902	(MH "Randomized Controlled Trials*") OR TI controlled trial OR AB controlled trial OR TI intervention* OR AB intervention* OR (MH "Random Assignment") OR TI random* OR AB random* OR TI trial* OR AB trial*	745,618	#1 MeSH descriptor: [Randomized Controlled Trial] explode all trees #2 MeSH descriptor: [Randomized Controlled Trials as Topic] explode all trees #3 MeSH descriptor: [Random Allocation] explode all trees #4 "controlled trial":ti,ab,kw OR (intervention*)ti,ab,kw OR (random*)ti,ab,kw OR (trial*)ti,ab,kw #5 (OR #1-#4)	1,194,496
#2	Controlled before-after studies	"controlled before-after studies"[MeSH] OR CBA[tiab] OR CBAs[tiab] OR "before-after"[tiab] OR "before after"[tiab] OR "before-and-after"[tiab] OR "before and after"[tiab]	244,320	cha.ab,ti OR chas.ab,ti OR 'before-after'.ab,ti OR 'before after'.ab,ti OR 'before-and-after'.ab,ti OR 'before and after'.ab,ti	367,227	(MH "Controlled Before-After Studies") OR TI CBA OR AB CBA OR TI CBAs OR AB CBAs OR TI before-after OR AB before-after OR TI before after OR AB before after OR TI before-and-after OR AB before-and-after OR TI (before and after) OR AB (before and after)	125,317	#6 MeSH descriptor: [Controlled Before-After Studies] explode all trees #7 (CBA*)ti,ab,kw OR (CBAs*)ti,ab,kw OR ('before-after')ti,ab,kw OR ('before after')ti,ab,kw #8 (before-and-after)ti,ab,kw OR (before and after)ti,ab,kw #9 (OR #6-#8)	162,225
#3	School feeding	"schools"[MeSH] OR school*[tiab] OR "School Health Services"[Mesh] AND ("meals"[MeSH] OR meal*[tiab]) OR ("lunch"[MeSH] OR lunch*[tiab]) OR ("breakfast"[MeSH] OR breakfast*[tiab] OR dinner*[tiab] OR "snacks"[MeSH] OR "snack"[tiab] OR biscuit*[tiab] OR "diet"[MeSH] OR diet*[tiab] OR dieti.ab,ti OR dietary.ab,ti OR eating*[tiab] OR eati.ab,ti OR food*[tiab] OR food*.ab,ti OR beverage*[tiab] OR dietary[tiab] OR "eating"[MeSH] OR eati[tiab] OR "food"[MeSH] OR food*[tiab] OR ("beverages"[MeSH] OR bevrage*[tiab] OR feed*[tiab] OR "diet", food, and nutrition [MeSH] OR cater*[tiab] OR cafe*[tiab] OR ("fruit"[MeSH] OR fruit*[tiab] OR "vegetables"[MeSH] OR vegetable*[tiab] OR "meat"[MeSH] OR meat*[tiab] OR "milk"[MeSH] OR milk[tiab] OR nutritio*[tiab] OR menu*[tiab] OR canteen*[tiab] OR canteen*[tiab] OR "gardens"[MeSH] or garden*[tiab] OR "food assistance"[MeSH] OR stamp*[tiab] OR voucher*[tiab]))	37,814	'school'/exp OR school*.ab,ti OR 'school health service'/exp AND ('meal'/exp OR meal*.ab,ti OR lunch*.ab,ti OR breakfast*.ab,ti OR dinner*.ab,ti OR snack*.ab,ti OR biscuit'/exp OR biscuit.ab,ti OR diet'/exp OR diet.ab,ti OR dieti.ab,ti OR dietary.ab,ti OR eating'/exp OR eati.ab,ti OR food'/exp OR food.ab,ti OR beverage'/exp OR beverage.ab,ti OR feedi.ab,ti OR feed.ab,ti OR nutritio'/exp OR nutriti.ab,ti OR eati'/exp OR eater*.ab,ti OR 'cafeteria diet'/exp OR cafe*.ab,ti OR fruit'/exp OR fruit.ab,ti OR vegetable'/exp OR vegetable*.ab,ti OR meat'/exp OR meat*.ab,ti OR milk'/exp OR milk.ab,ti OR nutritio*.ab,ti OR menu*.ab,ti OR canteen*.ab,ti OR garden*.ab,ti OR food assistance'/exp OR stamp*.ab,ti OR voucher*.ab,ti	85,338	((MH "schools*") OR TI school* OR AB school* OR (MH "School Health Services*") OR (MH "Student Health Services*") OR (MH "Adolescent Health Services*") AND ((MH "Meals*") OR TI meal* OR AB meal* OR (MH "Lunch*") OR TI lunch* OR AB lunch* OR (MH "Breakfast*") OR TI breakfast* OR AB breakfast* OR TI dinner* OR AB dinner* OR (MH "Snacks*") OR TI snack* OR AB snack* OR TI biscuit OR AB biscuit OR (MH "Diet*") OR TI diet OR AB diet OR TI diets OR AB diets OR TI dietary OR AB dietary OR (MH "Eating*") OR TI eating OR AB eating OR (MH "Food*") OR TI food* OR AB food* OR (MH "Beverages*") OR TI bevrage* OR AB bevrage* OR TI feed* OR AB feed* OR (MH "Nutrition*") OR (MH "Public Health Nutrition") OR (MH "Nutrition Services*") OR TI cater* OR AB cater* OR TI cafe* OR AB cafe* OR (MH "Fruit*") OR TI fruit* OR AB fruit* OR (MH "Vegetables*") OR TI vegetable* OR AB vegetable* OR (MH "Meat*") OR TI meat* OR AB meat* OR (MH "Milk*") OR TI milk OR AB milk OR TI nutritio* OR AB nutritio* OR (MH "Menu Planning") OR TI menu* OR AB menu* OR TI canteen* OR AB canteen* OR TI garden* OR AB garden* OR (MH "Food Assistance") OR TI stamp* OR AB stamp* OR TI voucher* OR AB voucher*)	19,463	#10 MeSH descriptor: [Schools] explode all trees #11 (school*)ti,ab,kw #12 MeSH descriptor: [School Health Services] explode all trees #13 #10 OR #11 OR #12 #14 MeSH descriptor: [Meals] explode all trees #15 (meal*)ti,ab,kw #16 MeSH descriptor: [Lunch] explode all trees #17 (lunch*)ti,ab,kw #18 MeSH descriptor: [Breakfast] explode all trees #19 (breakfast*)ti,ab,kw OR (dinner*)ti,ab,kw #20 MeSH descriptor: [Snacks] explode all trees #21 (snack*)ti,ab,kw OR (biscuit*)ti,ab,kw #22 MeSH descriptor: [Diet] explode all trees #23 (diet*)ti,ab,kw OR (diets*)ti,ab,kw OR (dietary*)ti,ab,kw #24 MeSH descriptor: [Eating] explode all trees #25 (eating*)ti,ab,kw #26 MeSH descriptor: [Food] explode all trees #27 (food*)ti,ab,kw #28 MeSH descriptor: [Beverages] explode all trees #29 (beverage*)ti,ab,kw OR (feed*)ti,ab,kw #30 MeSH descriptor: [Diet, Food, and Nutrition] explode all trees #31 (cater*)ti,ab,kw OR (cafe*)ti,ab,kw #32 MeSH descriptor: [Fruit] explode all trees #33 (fruit*)ti,ab,kw #34 MeSH descriptor: [Vegetables] explode all trees #35 (vegetable*)ti,ab,kw #36 MeSH descriptor: [Meat] explode all trees #37 (meat*)ti,ab,kw #38 MeSH descriptor: [Milk] explode all trees #39 (milk*)ti,ab,kw #40 (nutritio*)ti,ab,kw OR (menu*)ti,ab,kw OR (canteen*)ti,ab,kw #41 MeSH descriptor: [Gardening] explode all trees #42 (garden*)ti,ab,kw #43 MeSH descriptor: [Food Assistance] explode all trees #44 (stamp*)ti,ab,kw OR (voucher*)ti,ab,kw #45 (OR #14-#44) #46 #13 AND #45	6,783
#4	Children or adolescents	"child"[MeSH] OR "students"[MeSH] OR "adolescent"[MeSH] OR child[tiab] OR children[tiab] OR schoolchildren[tiab] OR kids[tiab] OR kid[tiab] OR student*[tiab] OR teen*[tiab] OR adolescen*[tiab] OR preteen*[tiab]	3,519,775	'child'/exp OR 'student'/exp OR 'adolescent'/exp OR 'adolescence'/exp OR child.ab,ti OR children.ab,ti OR schoolchild.ab,ti OR schoolchildren.ab,ti OR kids.ab,ti OR kid.ab,ti OR student*.ab,ti OR teen*.ab,ti OR adolescen*.ab,ti OR preteen*.ab,ti	4,440,768	(MH "Child*") OR (MH "Students*") OR (MH "Adolescence*") OR TI child OR AB child OR TI children OR AB children OR TI schoolchildren OR AB schoolchildren OR TI kids OR AB kids OR TI kid OR AB kid OR TI student* OR AB student* OR TI teen* OR AB teen* OR TI adolescen* OR AB adolescen* OR TI preteen* OR AB preteen*	1,138,295	#47 MeSH descriptor: [Child] explode all trees #48 MeSH descriptor: [Students] explode all trees #49 MeSH descriptor: [Adolescen] explode all trees #50 (child*)ti,ab,kw OR (children*)ti,ab,kw OR (schoolchildren*)ti,ab,kw OR (kids*)ti,ab,kw OR (kid*)ti,ab,kw #51 (student*)ti,ab,kw OR (teen*)ti,ab,kw OR (adolescen*)ti,ab,kw OR (preteen*)ti,ab,kw #52 (OR #47-#51)	248,648
#5	Low- and middle-income countries	"Developing Countries"[MeSH] OR developing count*[tiab] OR developing nation*[tiab] OR less developed count*[tiab] OR less developed nation*[tiab] OR third world nation*[tiab] OR third world count*[tiab] OR under developed nation*[tiab] OR underdeveloped nation*[tiab] OR under developed count*[tiab] OR underdeveloped count*[tiab] OR middle income count*[tiab] OR middle income nation*[tiab] OR low income count*[tiab] OR low income nation*[tiab] OR low income count*[tiab] OR poor count*[tiab] OR poor nation*[tiab] OR lmic[tiab] OR lmic[tiab] OR lmic[tiab] OR "Africa"[MeSH] OR "Asia"[MeSH] OR "South America"[MeSH] OR "Latin America"[MeSH] OR "Central America"[MeSH] OR africa[tiab] OR asia[tiab] OR south america*[tiab] OR latin america*[tiab] OR central america*[tiab] OR Afghanistan*[tiab] OR Albania*[tiab] OR Algeria*[tiab] OR Samoa*[tiab] OR Angola*[tiab] OR Armenia*[tiab] OR Azerbaijan*[tiab] OR Bangladesh*[tiab] OR Bengali*[tiab] OR Belarus*[tiab] OR Belize*[tiab] OR Benin*[tiab] OR Bhutan*[tiab] OR Bolivia*[tiab] OR Bosnia*[tiab] OR Herzegovina*[tiab] OR Botswana*[tiab] OR Brazil*[tiab] OR Burkina Faso*[tiab] OR Burundi*[tiab] OR Cabo Verde*[tiab] OR Cape Verde*[tiab] OR Cambodia*[tiab] OR Cameroon*[tiab] OR Central Africa*[tiab] OR Chad*[tiab] OR China*[tiab] OR Chinese Islands*[tiab] OR Costa Rica*[tiab] OR Cote d'Ivoire*[tiab] OR Ivory Coast*[tiab] OR Cuba*[tiab] OR Cuban*[tiab] OR Djibouti*[tiab] OR Dominica*[tiab] OR Ecuador*[tiab] OR El Salvador*[tiab] OR Eritrea*[tiab] OR Ethiopia*[tiab] OR Falkland Islands*[tiab] OR Fiji*[tiab] OR Gabon*[tiab] OR Gambia*[tiab] OR Georgia*[tiab] OR Ghana*[tiab] OR Grenada*[tiab] OR Guinea*[tiab] OR Haiti*[tiab] OR Honduras*[tiab] OR India*[tiab] OR Indian*[tiab] OR Indonesia*[tiab] OR Iran*[tiab] OR Iraq*[tiab] OR Iran*[tiab] OR Jamaica*[tiab] OR Jordan*[tiab] OR Kazakhstan*[tiab] OR Kiribati*[tiab] OR Korea*[tiab] OR Korea*[tiab] OR Laos*[tiab] OR Laos*[tiab] OR Kosovo*[tiab] OR Kosovo*[tiab] OR Kyrgyz*[tiab] OR Lao*[tiab] OR Lao*[tiab] OR Lebanon*[tiab] OR Lebanon*[tiab] OR Lesotho*[tiab] OR Lesotho*[tiab] OR Liberia*[tiab] OR Libya*[tiab] OR Malawi*[tiab] OR Maldives*[tiab] OR Maldives*[tiab] OR Mali*[tiab] OR Mali*[tiab] OR Marshall Islands*[tiab] OR Marshall Islands*[tiab] OR Mauritania*[tiab] OR Mauritania*[tiab] OR Mayotte*[tiab] OR Mexico*[tiab] OR Mexico*[tiab] OR Micronesia*[tiab] OR Moldova*[tiab] OR Mongolia*[tiab] OR Mongolia*[tiab] OR Montenegro*[tiab] OR Morocco*[tiab] OR Mozambique*[tiab] OR Myanmar*[tiab] OR Myanmar*[tiab] OR Nepal*[tiab] OR Nepal*[tiab] OR Namibia*[tiab] OR Namibia*[tiab] OR Niger*[tiab] OR Niger*[tiab] OR Netherlands Antilles*[tiab] OR Nicaragua*[tiab] OR Niger*[tiab] OR Niue*[tiab] OR Pakistan*[tiab] OR Paraguay*[tiab] OR Peru*[tiab] OR Philippines*[tiab] OR Pitcairn*[tiab] OR Pitcairn*[tiab] OR Romania*[tiab] OR Romania*[tiab] OR Sao Tome*[tiab] OR Sao Tome*[tiab] OR Principe*[tiab] OR Senegal*[tiab] OR Serbia*[tiab] OR Sierra Leone*[tiab] OR Solomon Islands*[tiab] OR Somalia*[tiab] OR South Africa*[tiab] OR Sri Lanka*[tiab] OR St. Helena*[tiab] OR St. Helena*[tiab] OR St. Lucia*[tiab] OR St. Lucia*[tiab] OR St. Vincent*[tiab] OR St. Vincent*[tiab] OR Grenada*[tiab] OR Sudan*[tiab] OR Suriname*[tiab] OR Swaziland*[tiab] OR Swaziland*[tiab] OR Syria*[tiab] OR Tajik*[tiab] OR Tanzania*[tiab] OR Thai*[tiab] OR Thailand*[tiab] OR Togo*[tiab] OR Tokelau*[tiab] OR Tonga*[tiab] OR Tunisia*[tiab] OR Turkey*[tiab] OR Turkmenistan*[tiab] OR Turkmen*[tiab] OR Tuvalu*[tiab] OR Tuvalu*[tiab] OR Uganda*[tiab] OR Ukraine*[tiab] OR Uzbeki*[tiab] OR Uzbeki*[tiab] OR Vanuatu*[tiab] OR Vanuatu*[tiab] OR Vietnam*[tiab] OR Viet nam*[tiab] OR West Bank*[tiab] OR Yemen*[tiab] OR Zambia*[tiab] OR Zimbabwe*[tiab] OR Western Sahara*[tiab] OR Argentina*[tiab] OR Russia*[tiab]	2,034,763	'developing country'/exp OR 'developing count*'.ab,ti OR 'developing nation*'.ab,ti OR 'less developed count*'.ab,ti OR 'less developed nation*'.ab,ti OR 'third world nation*'.ab,ti OR 'third world count*'.ab,ti OR 'under developed nation*'.ab,ti OR 'underdeveloped nation*'.ab,ti OR 'under developed count*'.ab,ti OR 'underdeveloped count*'.ab,ti OR 'middle income count*'.ab,ti OR 'middle income nation*'.ab,ti OR 'low income count*'.ab,ti OR 'low income nation*'.ab,ti OR 'poor count*'.ab,ti OR 'poor nation*'.ab,ti OR lmic.ab,ti OR lmic.ab,ti OR lmic.ab,ti OR 'Africa'/exp OR 'Africa'/exp OR 'Asia'/exp OR 'South America'/exp OR 'Latin America'/exp OR 'Central America'/exp OR 'Africa'.ab,ti OR 'Asia'.ab,ti OR 'South America'.ab,ti OR 'Latin America'.ab,ti OR 'Central America'.ab,ti OR 'Afghanistan'.ab,ti OR 'Albania'.ab,ti OR 'Albania'.ab,ti OR 'Algeria'.ab,ti OR 'Samoa'.ab,ti OR 'Angola'.ab,ti OR 'Armenia'.ab,ti OR 'Azerbaijan'.ab,ti OR 'Bangladesh'.ab,ti OR 'Bengali'.ab,ti OR 'Belarus'.ab,ti OR 'Belarus'.ab,ti OR 'Belize'.ab,ti OR 'Benin'.ab,ti OR 'Bhutan'.ab,ti OR 'Bolivia'.ab,ti OR 'Bosnia-Herzegovina'.ab,ti OR 'Botswana'.ab,ti OR 'Brazil'.ab,ti OR 'Burkina Faso'.ab,ti OR 'Burundi'.ab,ti OR 'Cabo Verde'.ab,ti OR 'Cape Verde'.ab,ti OR 'Cambodia'.ab,ti OR 'Cameroon'.ab,ti OR 'Central Africa'.ab,ti OR 'Chad'.ab,ti OR 'China'.ab,ti OR 'Chinese Islands'.ab,ti OR 'Costa Rica'.ab,ti OR 'Cote d'Ivoire'.ab,ti OR 'Ivory Coast'.ab,ti OR 'Cuban'.ab,ti OR 'Cuba'.ab,ti OR 'Djibouti'.ab,ti OR 'Dominica'.ab,ti OR 'Ecuador'.ab,ti OR 'El Salvador'.ab,ti OR 'Eritrea'.ab,ti OR 'Ethiopia'.ab,ti OR 'Falkland Islands'.ab,ti OR 'Fiji'.ab,ti OR 'Gabon'.ab,ti OR 'Gambia'.ab,ti OR 'Georgia'.ab,ti OR 'Ghana'.ab,ti OR 'Grenada'.ab,ti OR 'Guinea'.ab,ti OR 'Haiti'.ab,ti OR 'Honduras'.ab,ti OR 'India'.ab,ti OR 'Indian'.ab,ti OR 'Indonesia'.ab,ti OR 'Iran'.ab,ti OR 'Iraq'.ab,ti OR 'Iraq'.ab,ti OR 'Jamaica'.ab,ti OR 'Jordan'.ab,ti OR 'Kazakhstan'.ab,ti OR 'Kiribati'.ab,ti OR 'Korea'.ab,ti OR 'Korea'.ab,ti OR 'Laos'.ab,ti OR 'Laos'.ab,ti OR 'Kosovo'.ab,ti OR 'Kosovo'.ab,ti OR 'Kyrgyz'.ab,ti OR 'Lao'.ab,ti OR 'Lao'.ab,ti OR 'Lebanon'.ab,ti OR 'Lebanon'.ab,ti OR 'Lesotho'.ab,ti OR 'Lesotho'.ab,ti OR 'Liberia'.ab,ti OR 'Libya'.ab,ti OR 'Malawi'.ab,ti OR 'Maldives'.ab,ti OR 'Maldives'.ab,ti OR 'Mali'.ab,ti OR 'Mali'.ab,ti OR 'Marshall Islands'.ab,ti OR 'Marshall Islands'.ab,ti OR 'Mauritania'.ab,ti OR 'Mauritania'.ab,ti OR 'Mayotte'.ab,ti OR 'Mexico'.ab,ti OR 'Mexico'.ab,ti OR 'Micronesia'.ab,ti OR 'Moldova'.ab,ti OR 'Mongolia'.ab,ti OR 'Mongolia'.ab,ti OR 'Montenegro'.ab,ti OR 'Morocco'.ab,ti OR 'Mozambique'.ab,ti OR 'Myanmar'.ab,ti OR 'Myanmar'.ab,ti OR 'Nepal'.ab,ti OR 'Nepal'.ab,ti OR 'Namibia'.ab,ti OR 'Namibia'.ab,ti OR 'Niger'.ab,ti OR 'Niger'.ab,ti OR 'Netherlands Antilles'.ab,ti OR 'Nicaragua'.ab,ti OR 'Niger'.ab,ti OR 'Niue'.ab,ti OR 'Pakistan'.ab,ti OR 'Paraguay'.ab,ti OR 'Peru'.ab,ti OR 'Philippines'.ab,ti OR 'Pitcairn'.ab,ti OR 'Pitcairn'.ab,ti OR 'Romania'.ab,ti OR 'Romania'.ab,ti OR 'Sao Tome'.ab,ti OR 'Sao Tome'.ab,ti OR 'Principe'.ab,ti OR 'Senegal'.ab,ti OR 'Serbia'.ab,ti OR 'Sierra Leone'.ab,ti OR 'Solomon Islands'.ab,ti OR 'Somalia'.ab,ti OR 'South Africa'.ab,ti OR 'Sri Lanka'.ab,ti OR 'St. Helena'.ab,ti OR 'St. Helena'.ab,ti OR 'St. Lucia'.ab,ti OR 'St. Lucia'.ab,ti OR 'St. Vincent'.ab,ti OR 'St. Vincent'.ab,ti OR 'Grenada'.ab,ti OR 'Sudan'.ab,ti OR 'Suriname'.ab,ti OR 'Swaziland'.ab,ti OR 'Swaziland'.ab,ti OR 'Syria'.ab,ti OR 'Tajik'.ab,ti OR 'Tanzania'.ab,ti OR 'Thai'.ab,ti OR 'Thailand'.ab,ti OR 'Togo'.ab,ti OR 'Tokelau'.ab,ti OR 'Tonga'.ab,ti OR 'Tunisia'.ab,ti OR 'Turkey'.ab,ti OR 'Turkmenistan'.ab,ti OR 'Turkmen'.ab,ti OR 'Tuvalu'.ab,ti OR 'Tuvalu'.ab,ti OR 'Uganda'.ab,ti OR 'Ukraine'.ab,ti OR 'Uzbeki'.ab,ti OR 'Uzbeki'.ab,ti OR 'Vanuatu'.ab,ti OR 'Vanuatu'.ab,ti OR 'Vietnam'.ab,ti OR 'Viet nam'.ab,ti OR 'West Bank'.ab,ti OR 'Yemen'.ab,ti OR 'Zambia'.ab,ti OR 'Zimbabwe'.ab,ti OR 'Western Sahara'.ab,ti OR 'Argentina'.ab,ti OR 'Russia'.ab,ti	2,897,904	(MH "Developing Countries*") OR TI developing count* OR AB developing count* OR TI developing nation* OR AB developing nation* OR TI less developed count* OR AB less developed count* OR TI third world nation* OR AB third world nation* OR TI under developed nation* OR AB under developed nation* OR TI underdeveloped nation* OR AB underdeveloped nation* OR TI middle income count* OR AB middle income count* OR TI low income count* OR AB low income count* OR TI poor count* OR AB poor count* OR TI poor nation* OR AB poor nation* OR TI lmic OR AB lmic OR TI lmic OR AB lmic OR (MH "Africa*") OR (MH "Africa South of the Sahara*") OR (MH "Asia*") OR (MH "South America*") OR (MH "Latin America*") OR (MH "Central America*") OR TI africa* OR AB africa* OR TI asia* OR AB asia* OR TI south america* OR AB south america* OR TI latin america* OR AB latin america* OR TI central america* OR AB central america* OR MH Afghanistan* OR TI Afghanistan* OR AB Afghanistan* OR MH Albania* OR TI Albania* OR AB Albania* OR MH Algeria* OR TI Algeria* OR AB Algeria* OR (MH "Samoa*") OR TI samoa* OR AB samoa* OR MH Angola* OR TI Angola* OR AB Angola* OR MH Armenia* OR TI Armenia* OR AB Armenia* OR MH Azerbaijan* OR TI Azerbaijan* OR AB Azerbaijan* OR MH Bangladesh* OR TI Bangladesh* OR TI Bengali* OR AB Bengali* OR MH Belarus* OR TI Belarus* OR AB Belarus* OR MH Belize* OR TI Belize* OR AB Belize* OR MH Benin* OR TI Benin* OR AB Benin* OR MH Bhutan* OR TI Bhutan* OR AB Bhutan* OR MH Bolivia* OR TI Bolivia* OR AB Bolivia* OR MH Bosnia-Herzegovina* OR TI Bosnia* OR AB Bosnia* OR TI Herzegovina* OR AB Herzegovina* OR MH Botswana* OR TI Botswana* OR AB Botswana* OR MH Brazil* OR TI Brazil* OR AB Brazil* OR MH Bulgaria* OR TI Bulgaria* OR AB Bulgaria* OR MH Burkina Faso* OR TI Burkina Faso* OR AB Burkina Faso* OR MH Burundi* OR TI Burundi* OR AB Burundi* OR MH Cabo Verde* OR TI Cabo Verde* OR AB Cabo Verde* OR TI Cape Verde* OR AB Cape Verde* OR MH Cambodia* OR TI Cambodia* OR AB Cambodia* OR MH Cameroon* OR TI Cameroon* OR AB Cameroon* OR MH Central African Republic* OR TI Central African* OR AB Central African* OR MH Chad* OR TI Chad* OR AB Chad* OR (MH "China*") OR TI china OR AB china OR MH Chinese* OR TI chinese OR AB chinese OR MH Colombia* OR TI Colombia* OR AB Colombia* OR TI Congo* OR AB Congo* OR MH Congo* OR MH Democratic Republic of the Congo* OR TI Congo* OR AB Congo* OR TI Cook Islands* OR AB Cook Islands* OR MH Costa Rica* OR TI Costa Rica* OR AB Costa Rica* OR MH Cote d'Ivoire* OR TI Cote d'Ivoire* OR AB Cote d'Ivoire* OR TI Ivory Coast* OR AB Ivory Coast* OR MH Cuba* OR TI Cuba* OR AB Cuba* OR TI cuban OR AB cuban OR MH Djibouti* OR TI Djibouti* OR AB Djibouti* OR MH Dominica* OR TI Dominica* OR AB Dominica* OR MH Ecuador* OR TI Ecuador* OR AB Ecuador* OR MH Egypt* OR TI Egypt* OR AB Egypt* OR MH El Salvador* OR TI El Salvador* OR AB El Salvador* OR MH Eritrea* OR TI Eritrea* OR AB Eritrea* OR MH Ethiopia* OR TI Ethiopia* OR AB Ethiopia* OR TI Falkland Islands* OR AB Falkland Islands* OR TI Fiji* OR AB Fiji* OR MH Gabon* OR TI Gabon* OR AB Gabon* OR MH Gambia* OR TI Gambia* OR AB Gambia* OR MH Georgia (Republic)* OR TI TI Georgia* OR AB Georgia* OR MH Ghana* OR TI Ghana* OR AB Ghana* OR TI Grenada* OR AB Grenada* OR TI Guadeloupe* OR MH Guatemala* OR TI Guatemala* OR AB Guatemala* OR TI Guian* OR AB Guian* OR MH Guine* OR MH Guinea-Bissau* OR MH Papua New Guinea* OR MH Equatorial Guinea* OR TI Guinea* OR AB Guinea* OR MH Guyana* OR TI Guyana* OR AB Guyana* OR MH Haiti* OR TI Haiti* OR AB Haiti* OR MH Honduras* OR TI Honduras* OR AB Honduras* OR MH India* OR TI India* OR AB India* OR TI Indian* OR AB Indian* OR MH Indonesia* OR TI Indonesia* OR AB Indonesia* OR MH Iran* OR TI Iran* OR AB Iran* OR MH Iraq* OR TI Iraq* OR AB Iraq* OR MH Jamaica* OR TI Jamaica* OR AB Jamaica* OR MH Jordan* OR TI Jordan* OR AB Jordan* OR MH Kazakhstan* OR TI Kazakhstan* OR AB Kazakhstan* OR MH Kenya* OR AB Kenya* OR TI Kiribati* OR AB Kiribati* OR MH North Korea* OR TI People's Republic of Korea* OR AB People's Republic of Korea* OR TI North Korea* OR AB North Korea* OR MH Kyrgyzstan* OR TI Kyrgyzstan* OR AB Kyrgyzstan* OR MH Laos* OR TI Laos* OR AB Laos* OR TI Laos* OR AB Laos* OR MH Lebanon* OR TI Lebanon* OR AB Lebanon* OR TI Lebanon* OR AB Lebanon* OR MH Lesotho* OR TI Lesotho* OR AB Lesotho* OR MH Liberia* OR TI Liberia* OR AB Liberia* OR MH Libya* OR TI Libya* OR AB Libya* OR MH "Macedonia (Republic)" OR TI TI Macedonia* OR AB Macedonia*	585,553	#53 MeSH descriptor: [Developing Countries] explode all trees #54 "developing count":ti,ab,kw OR ("developing nation")ti,ab,kw OR ("less developed count")ti,ab,kw OR ("less developed nation")ti,ab,kw OR ("third world nation")ti,ab,kw OR ("underdeveloped nation")ti,ab,kw OR ("under developed count")ti,ab,kw OR ("underdeveloped count")ti,ab,kw OR ("middle income count")ti,ab,kw OR ("middle income nation")ti,ab,kw OR ("low income count")ti,ab,kw OR ("low income nation")ti,ab,kw OR ("poor count")ti,ab,kw OR ("poor nation")ti,ab,kw #55 MeSH descriptor: [Central America] explode all trees #56 MeSH descriptor: [Asia] explode all trees #57 MeSH descriptor: [South America] explode all trees #58 MeSH descriptor: [Latin America] explode all trees #59 MeSH descriptor: [Central America] explode all trees #60 (Africa*)ti,ab,kw OR (Asia*)ti,ab,kw OR ("South America")ti,ab,kw OR ("Latin America")ti,ab,kw OR ("Central America")ti,ab,kw #61 (Afghanistan*)ti,ab,kw OR (Albania*)ti,ab,kw OR (Algeria*)ti,ab,kw OR (Samoa*)ti,ab,kw OR (Angola*)ti,ab,kw #62 (Armenia*)ti,ab,kw OR (Azerbaijan*)ti,ab,kw OR (Bangladesh*)ti,ab,kw OR (Bengali*)ti,ab,kw OR (Belarus*)ti,ab,kw #63 (Belize*)ti,ab,kw OR (Benin*)ti,ab,kw OR (Bhutan*)ti,ab,kw OR (Bolivia*)ti,ab,kw OR (Bosnia*)ti,ab,kw #64 (Belize*)ti,ab,kw OR (Benin*)ti,ab,kw OR (Bhutan*)ti,ab,kw OR (Bolivia*)ti,ab,kw OR (Botswana*)ti,ab,kw #65 (Brazil*)ti,ab,kw OR (Burkina Faso*)ti,ab,kw OR (Burundi*)ti,ab,kw OR (Cabo Verde*)ti,ab,kw OR (Cape Verde*)ti,ab,kw OR (Cambodia*)ti,ab,kw OR (Cameroon*)ti,ab,kw #66 (Central African*)ti,ab,kw OR (Chad*)ti,ab,kw OR (China*)ti,ab,kw OR (Chinese*)ti,ab,kw OR (Colombia*)ti,ab,kw #67 (Congo*)ti,ab,kw OR (Congo*)ti,ab,kw OR (Cook Islands*)ti,ab,kw OR ("Costa Rica")ti,ab,kw OR ("Cote d'Ivoire")ti,ab,kw #68 ("Ivory Coast")ti,ab,kw OR (Cuba*)ti,ab,kw OR (Cuban*)ti,ab,kw OR (Djibouti*)ti,ab,kw OR (Dominica*)ti,ab,kw #69 (Ecuador*)ti,ab,kw OR (Egypt*)ti,ab,kw OR ("El Salvador")ti,ab,kw OR (Eritrea*)ti,ab,kw #70 (Ethiopia*)ti,ab,kw OR (Falkland Islands*)ti,ab,kw OR (Fiji*)ti,ab,kw OR (Gabon*)ti,ab,kw OR (Gambia*)ti,ab,kw OR (Guinea*)ti,ab,kw OR (Guyana*)ti,ab,kw OR (Haiti*)ti,ab,kw OR (Honduras*)ti,ab,kw OR (India*)ti,ab,kw #71 (Indonesia*)ti,ab,kw OR (Indonesia*)ti,ab,kw OR (Iran*)ti,ab,kw OR (Iraq*)ti,ab,kw OR (Jamaica*)ti,ab,kw #72 (Jordan*)ti,ab,kw OR (Kazakh*)ti,ab,kw OR (Kenya*)ti,ab,kw OR (Kiribati*)ti,ab,kw OR ("People's Republic of Korea")ti,ab,kw #73 ("North Korea")ti,ab,kw OR (Kosovo*)ti,ab,kw OR (Kosovar*)ti,ab,kw OR (Kyrgyz*)ti,ab,kw OR (Laos*)ti,ab,kw #74 (Laos*)ti,ab,kw OR (Laotian*)ti,ab,kw OR (Lebanon*)ti,ab,kw OR (Lebanes*)ti,ab,kw OR (Liberia*)ti,ab,kw OR (Libya*)ti,ab,kw OR (Macedonia*)ti,ab,kw OR (Madagascar*)ti,ab,kw OR (Malawi*)ti,ab,kw #75 (Maldives*)ti,ab,kw OR (Malaysia*)ti,ab,kw OR (Maldives*)ti,ab,kw OR (Mali*)ti,ab,kw OR ("Marshall Islands")ti,ab,kw OR (Mauritania*)ti,ab,kw OR (Mauriti*)ti,ab,kw OR (Mayotte*)ti,ab,kw OR (Mexican*)ti,ab,kw OR (Micronesia*)ti,ab,kw #76 MeSH descriptor: [Mexico] explode all trees	122,277

			Zambia*ab,ti OR Zimbabwe*ab,ti OR "Western Sahara".ab,ti OR Argentina*ab,ti OR "Russian Federation"/exp OR "USSR"/exp OR Russia*ab,ti		OR MH Madagascar OR TI Madagascar* OR AB Madagascar* OR MH Malawi OR TI Malawi* OR AB Malawi* OR TI Malvinas OR AB Malvinas OR MH Malaysia OR TI Malaysia* OR AB Malaysia* OR TI Maldives OR AB Maldives OR MH Mali OR TI Mali OR AB Mali OR TI Marshall Island* OR AB Marshall Island* OR MH Mauritania OR TI Mauritania* OR AB Mauritania* OR TI Maurit* OR AB Maurit* OR TI Mayotte OR AB Mayotte OR MH Mexico OR TI Mexico OR AB Mexico OR TI Mexican* OR AB Mexican* OR (MH "Micronesia+") OR TI Micronesia* OR AB Micronesia* OR MH Moldova OR TI Moldova* OR AB Moldova* OR MH Mongolia OR TI Mongolia* OR AB Mongolia* OR TI Montenegro* OR AB Montenegro* OR TI Montserrat OR AB Montserrat OR MH Morocco OR TI Morocco* OR AB Morocco* OR MH Mozambique OR TI Mozambique OR AB Mozambique OR MH Myanmar OR TI Myanmar OR AB Myanmar OR TI Burmese* OR AB Burmese* OR TI Burma OR AB Burma OR MH Namibia OR TI Namibia* OR AB Namibia* OR TI Nauru OR AB Nauru OR MH Nepal OR TI Nepal* OR AB Nepal* OR MH Netherlands Antilles OR TI Netherlands Antilles OR AB Netherlands Antilles OR MH Nicaragua OR TI Nicaragua* OR AB Nicaragua* OR MH Niger OR MH Nigeria OR TI Niger* OR AB Niger* OR TI Niue OR AB Niue OR MH Pakistan OR TI Pakistan* OR AB Pakistan* OR MH Paraguay OR TI Paraguay* OR AB Paraguay* OR Peru OR TI Peru* OR AB Peru* OR MH Philippines OR TI Philippines* OR AB Philippines* OR (MH "Polynesia+") OR TI Pitcairn OR AB Pitcairn OR MH Romania OR TI Romania* OR AB Romania* OR MH Rwanda OR TI Rwanda* OR AB Rwanda* OR TI Sao Tome OR AB Sao Tome OR TI Principe OR AB Principe OR MH Senegal OR TI Senegal* OR AB Senegal* OR MH Serbia OR TI Serbia* OR AB Serbia* OR MH Sierra Leone OR TI Sierra Leone* OR AB Sierra Leone* OR (MH "Pacific Islands+") OR TI Solomon Island* OR AB Solomon Island* OR MH Somalia OR TI Somalia* OR AB Somalia* OR MH South Africa OR TI South Africa* OR AB South Africa* OR MH Sri Lanka OR TI Sri Lanka OR AB Sri Lanka OR TI St Helena OR AB St Helena OR TI Saint Helena OR AB Saint Helena OR TI St Lucia OR AB St Lucia OR TI Saint Lucia OR AB Saint Lucia OR TI St Vincent OR AB St Vincent OR TI Saint Vincent OR AB Saint Vincent OR TI Grenada* OR AB Grenada* OR MH Sudan OR TI Sudan* OR AB Sudan* OR MH Suriname OR TI Suriname* OR AB Suriname* OR MH Swaziland OR TI Swaziland* OR AB Swaziland* OR TI Eswatini* OR AB Eswatini* OR MH Syria OR TI Syria* OR AB Syria* OR MH Tajikistan OR TI Tajik* OR AB Tajik* OR MH Tanzania OR TI Tanzania* OR AB Tanzania* OR MH Thailand OR MH Thai OR TI Thai* OR AB Thai* OR MH Timor OR MH East Timor OR TI Timor* OR AB Timor* OR MH Togo OR TI Togo* OR AB Togo* OR TI Tokelau OR AB Tokelau OR TI Tonga* OR AB Tonga* OR MH Tunisia OR TI Tunisia* OR AB Tunisia* OR MH Turkey OR TI Turkey OR AB Turkey OR TI Turkish OR AB Turkish OR TI Turkmen OR AB Turkmen OR TI Tuvalu* OR AB Tuvalu* OR MH Uganda OR TI Uganda* OR AB Uganda* OR MH Ukraine OR TI Ukraine* OR AB Ukraine* OR MH Uzbekistan OR TI Uzbeki* OR AB Uzbeki* OR TI Vanuatu* OR AB Vanuatu* OR MH Venezuela OR TI Venezuela* OR AB Venezuela* OR MH Vietnam OR TI Vietnam* OR AB Vietnam* OR TI Viet Nam* OR AB Viet Nam* OR TI West Bank OR AB West Bank OR TI Gaza OR AB Gaza OR TI Palestine* OR AB Palestine* OR TI (Wallis and Futuna) OR AB (Wallis and Futuna) OR MH Yemen OR TI Yemen* OR AB Yemen* OR MH Zambia OR TI Zambia* OR AB Zambia* OR MH Zimbabwe OR TI Zimbabwe* OR AB Zimbabwe* OR TI Western Sahara OR AB Western Sahara OR MH Argentina OR TI Argentina* OR AB Argentina* OR MH Russia OR TI Russia* OR AB Russia*	#84 (Morocco*)ti,ab,kw #85 (Namibia*)ti,ab,kw #86 (Nauru)ti,ab,kw OR (Nepal*)ti,ab,kw OR ("Netherlands Antilles")ti,ab,kw OR (Nicaragua*)ti,ab,kw OR (Niger*)ti,ab,kw #87 (Niue)ti,ab,kw OR (Pakistan*)ti,ab,kw OR (Paraguay*)ti,ab,kw OR (Peru*)ti,ab,kw OR (Philippin*)ti,ab,kw #88 (Pitcairn)ti,ab,kw OR (Romania*)ti,ab,kw OR (Rwanda*)ti,ab,kw OR ("Sao Tome")ti,ab,kw OR (Principe)ti,ab,kw #89 (Senegal*)ti,ab,kw OR (Serbia*)ti,ab,kw OR ("Sierra Leone")ti,ab,kw OR ("Solomon Island")ti,ab,kw OR (Somalia*)ti,ab,kw #90 ("South Africa")ti,ab,kw OR ("Sri Lanka")ti,ab,kw OR ("St Helena")ti,ab,kw OR ("Saint Helena")ti,ab,kw OR ("St Lucia")ti,ab,kw #91 ("Saint Lucia")ti,ab,kw OR ("St Vincent")ti,ab,kw OR ("Saint Vincent")ti,ab,kw OR (Grenada*)ti,ab,kw OR (Sudan*)ti,ab,kw #92 (Suriname*)ti,ab,kw OR (Swaziland*)ti,ab,kw OR (Eswatini*)ti,ab,kw OR (Syria*)ti,ab,kw OR (Tajik*)ti,ab,kw #93 (Tanzania*)ti,ab,kw OR (Thai*)ti,ab,kw OR (Timor*)ti,ab,kw OR (Togo*)ti,ab,kw OR (Tokelau)ti,ab,kw #94 (Tonga*)ti,ab,kw OR (Tunisia*)ti,ab,kw OR (Turkey)ti,ab,kw OR (Turkish)ti,ab,kw OR (Turkmen*)ti,ab,kw #95 (Tuvalu*)ti,ab,kw OR (Uganda*)ti,ab,kw OR (Ukraine*)ti,ab,kw OR (Uzbeki*)ti,ab,kw OR (Vanuatu*)ti,ab,kw #96 (Venezuela*)ti,ab,kw OR (Vietnam*)ti,ab,kw OR ("Viet nam")ti,ab,kw OR ("West Bank")ti,ab,kw OR (Gaza*)ti,ab,kw #97 (Palestin*)ti,ab,kw OR ("Wallis and Futuna")ti,ab,kw OR (Yemen*)ti,ab,kw OR (Zambia*)ti,ab,kw OR (Zimbabwe*)ti,ab,kw #98 ("Western Sahara")ti,ab,kw OR (Argentina*)ti,ab,kw OR (Russia*)ti,ab,kw #99 (OR #53-#98)			
RCTs	#1 AND #3 AND #4 AND #5		2,859		5,792		1,721		1,564
CBAs	#2 AND #3 AND #4 AND #5		166		320		168		226
Total	(#1 OR #2) AND #3 AND #4 AND #5		2,921		5,921		1,791		1,573

Table S2 Risk of bias of the included studies

Study	Randomized trials							Non-randomized studies							
	Bias arising from the randomization process	Bias due to deviation from intended interventions	Bias due to missing outcome data	Bias in measurement of the outcome	Bias in selection of the reported result	For cluster-randomized trials only: Bias arising from the timing of identification and recruitment of individual participants in relation to timing of randomization	Overall bias	Bias due to confounding	Bias due to deviations from intended interventions	Bias due to missing data	Bias in classification of interventions	Bias in measurement of outcomes	Bias in selection of participants into the study	Bias in selection of the reported result	Overall bias
Bailey 1962								Critical	No information	No information	Low	Moderate	No information	No information	Critical
Lampl 1978	High	Some concerns	Low	Some concerns	High		High								
Powell 1983								Serious	Low	No information	Low	Moderate	Moderate	No information	Serious
Spurr 1987								Serious	Low	Low	Low	No information	Low	Serious	Serious
Agarwal 1989								No information	Low	Serious	Serious	No information	Serious	Serious	Serious
Chandler 1995	Some concerns	Low	Some concerns	High	High	Some concerns	High								
Pollitt 1996	Some concerns	Some concerns	Low	Some concerns	High	Low	High								
Jacoby 1996	High	Low	High	Some concerns	High	Low	High								
Chang 1996	Some concerns	Some concerns	High	High	High	High	High								
Richter 1997								Serious	No information	Serious	Serious	Serious	Serious	Serious	Serious
Powell 1998	Some concerns	Low	High	High	Some concerns	High									
Grantham-McGregor 1998	High	Some concerns	High	High	Some concerns	Low	High								
de Pee 1998	Some concerns	Low	High	Low	Some concerns	High									
Tan 1999	High	Low	High	High	High	High	High								
Ma 1999	Some concerns	Some concerns	Low	High	High		High								
Whaley 2003	Some concerns	Some concerns	Low	Some concerns	High	Low	High								
Grillenberger 2003	Some concerns	Low	Low	Some concerns	Some concerns	Some concerns	Some concerns								
Siekmann 2003a	Some concerns	Some concerns	Low	Some concerns	High	Low	High								
Siekmann 2003b	High	High	Low	Some concerns	High	Some concerns	High								
Du 2004	Some concerns	Low	Some concerns	Low	Some concerns	Low	Some concerns								
Sigman 2005	High	Some concerns	Low	Some concerns	High	Low	High								
Zhu 2005	Some concerns	Some concerns	Low	Some concerns	High	Low	High								
Zhu 2006	Some concerns	Some concerns	High	Some concerns	High	Low	High								
Neumann 2007	Some concerns	Low	High	High	High	Low	High								
Hall 2007								Serious	Low	Serious	Low	Moderate	Serious	Serious	Serious
Muthayya 2007	High	Some concerns	Some concerns	Some concerns	High		High								
Zhu 2008	Some concerns	Some concerns	Low	Some concerns	High	Low	High								
Adelman 2008	High	High	High	High	High	Low	High								
Alderman 2008	Some concerns	High	High	High	High	High	High								
Tupe 2009	Some concerns	Low	Low	Low	Some concerns	Some concerns									
Lien 2009	High	Low	Low	Some concerns	High		High								
Alaofe 2009								Serious	Low	Low	Low	Low	Serious	Moderate	Serious
Kazianga 2009	High	Low	Low	High	High	Some concerns	High								
Ohiokepehai 2009								Serious	No information	Serious	Low	No information	No information	Serious	Serious
Mayurasakorn 2010	Some concerns	High	Some concerns	Some concerns	High		High								
Vaz 2011	Some concerns	Some concerns	Low	Low	High		High								
Omwami 2011	High	High	High	High	High	Low	High								
Rahmani 2011	High	Some concerns	Some concerns	High	High	Some concerns	High								
Li 2011	High	Some concerns	High	Some concerns	Some concerns	High									
Alderman 2012	Some concerns	High	High	High	High	High	High								
Kazianga 2012	High	Low	Low	High	High	Some concerns	High								
Kleiman-Weiner 2013	High	Some concerns	Some concerns	Low	Some concerns	Low	High								
Joulaei 2013								Serious	No information	No information	Low	Moderate	Serious	Serious	Serious
Neumann 2013a	High	Low	High	Some concerns	High	High	High								
Neumann 2013b	High	Low	High	Some concerns	High	High	High								
Diagne 2014	High	Some concerns	High	High	High	Some concerns	High								
Hulett 2014	Some concerns	Low	High	Some concerns	High	Low	High								
Cervo 2014	Some concerns	Low	Low	Low	High		High								
Lin 2015								Serious	Low	Moderate	Low	Moderate	Low	Serious	Serious
van der Hoeven 2016	Some concerns	Low	Low	Low	Low		Some concerns								
Adams 2017								Moderate	Low	Moderate	Low	Low	Moderate	No information	Moderate
Baum 2017								Critical	Serious	Serious	Low	moderate	Low	No information	Critical
El Harake 2018								Moderate	Moderate	Low	Low	No information	Low	No information	No information
Lee 2018	Low	Low	Some concerns	Low	High		High								
Gelli 2019	Some concerns	Some concerns	Low	High	Low	Low	High								
Anitha 2019	High	High	High	Low	Some concerns	High	High								
Adelman 2019	High	High	Some concerns	Low	Some concerns	Some concerns	High								

Online Supporting Material

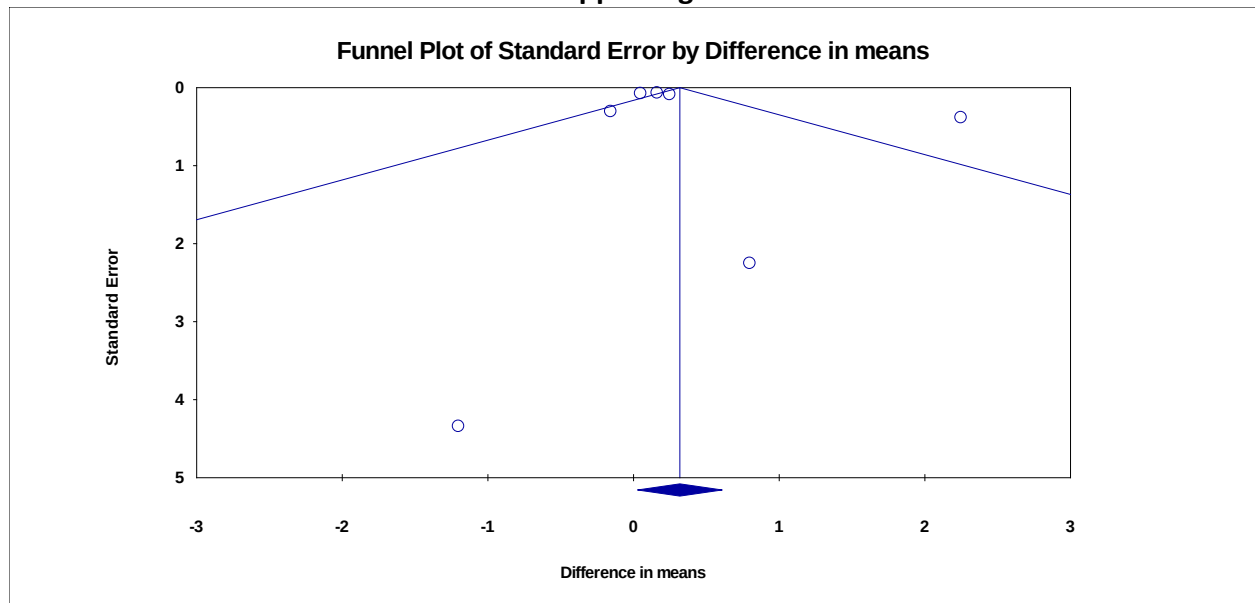


Figure S1 Funnel plot for the random-effects meta-analysis of school feeding interventions on 12-month height gain (in centimeters).

Online Supporting Material

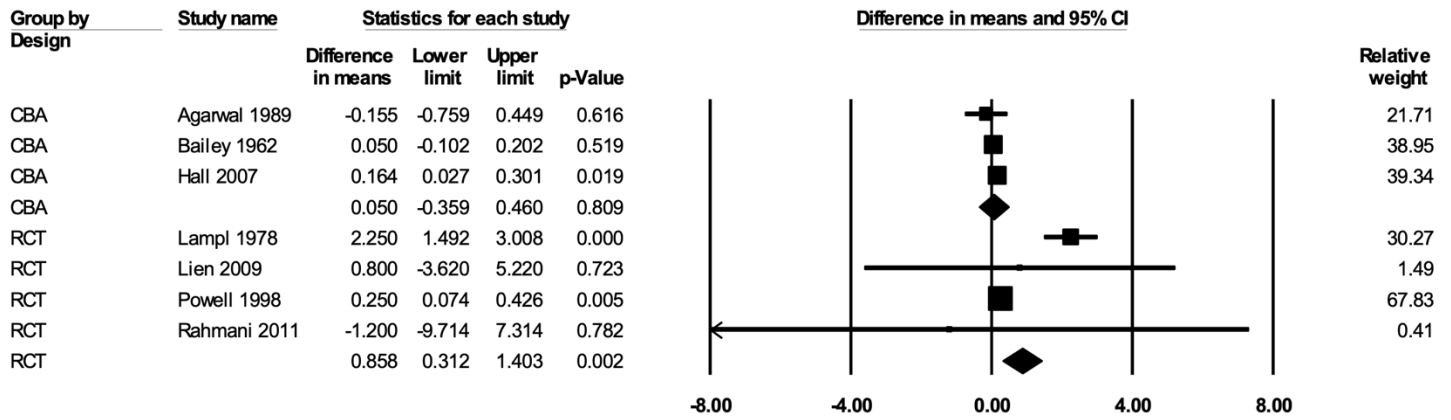


Figure S2 Random-effects meta-analysis of school feeding interventions on 12-month height gain (in centimeters), stratified by study design (CBA or RCT). $I^2 = 0.00\%$ among CBAs and 88.24% among RCTs. CBA, controlled before-after study; RCT, randomized controlled trial.

Online Supporting Material

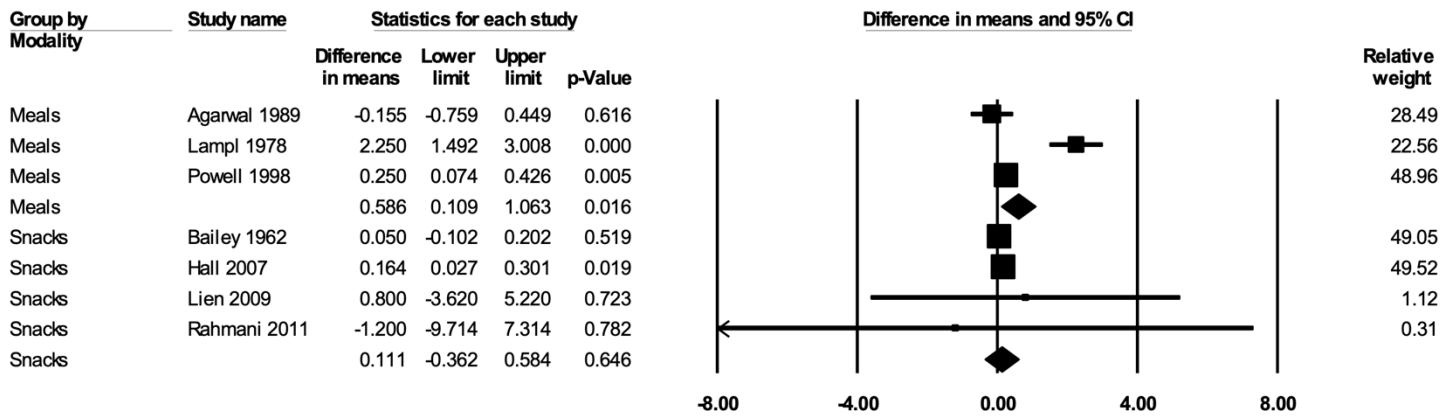


Figure S3 Random-effects meta-analysis of school feeding interventions on 12-month height gain (in centimeters), stratified by feeding modality (formal meals or snacks). $I^2 = 92.82\%$ among formal meals and 0.00% among snacks.

Online Supporting Material

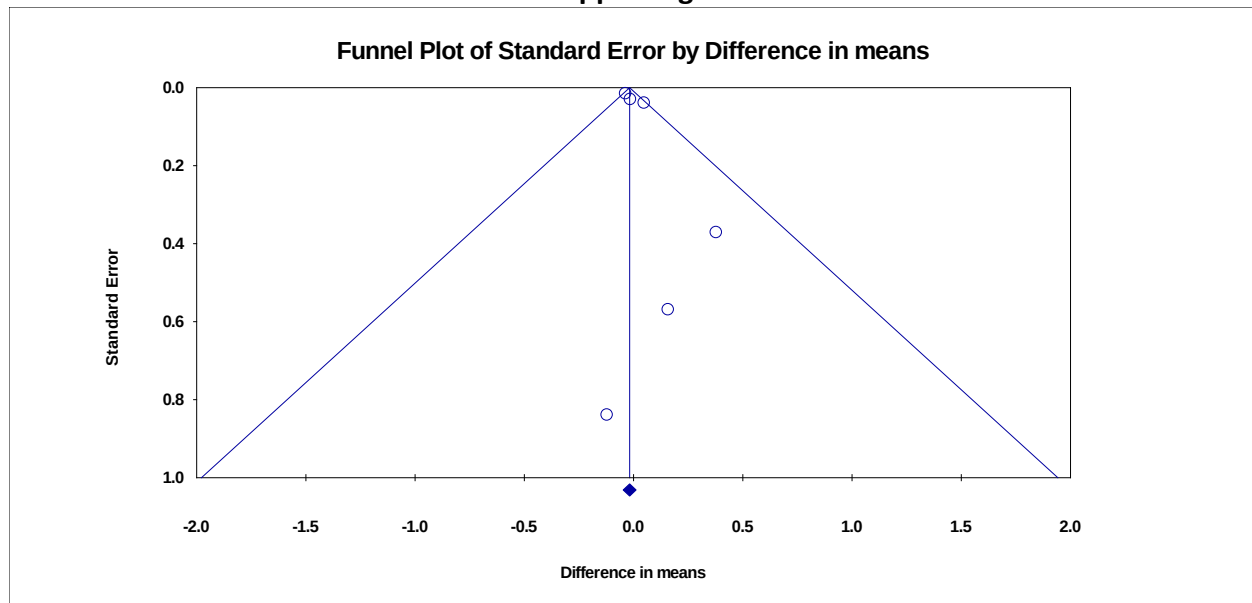


Figure S4 Funnel plot for the random-effects meta-analysis of school feeding interventions on 12-month change in height-for-age Z-score.

Online Supporting Material

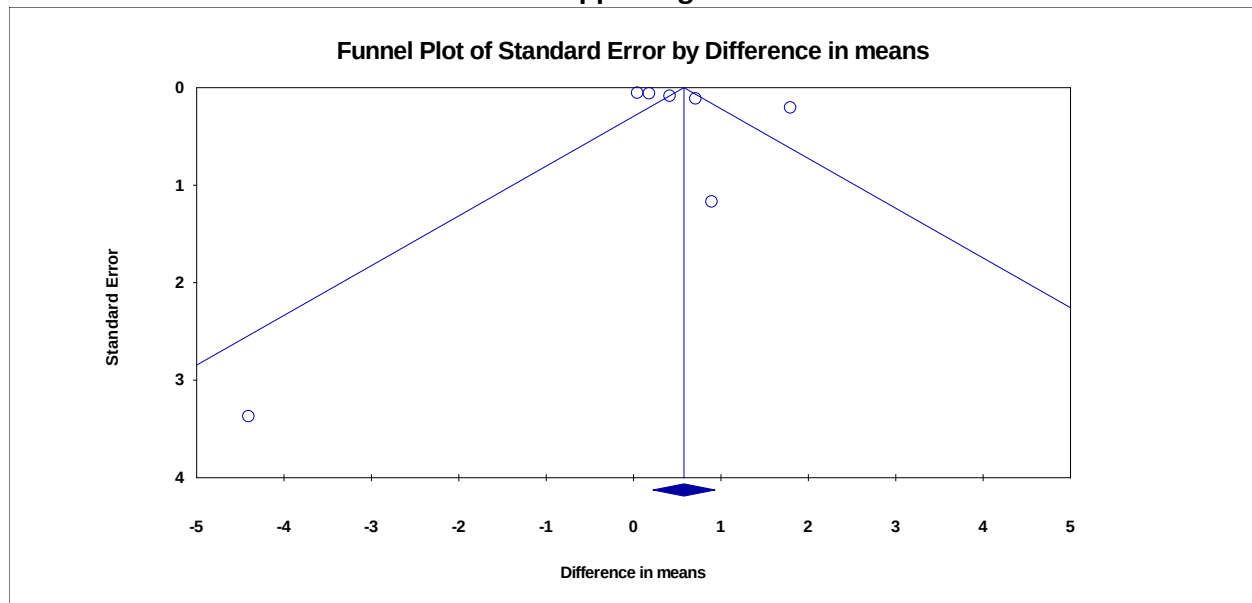


Figure S5 Funnel plot for the random-effects meta-analysis of school feeding interventions on 12-month weight gain (in kilograms).

Online Supporting Material

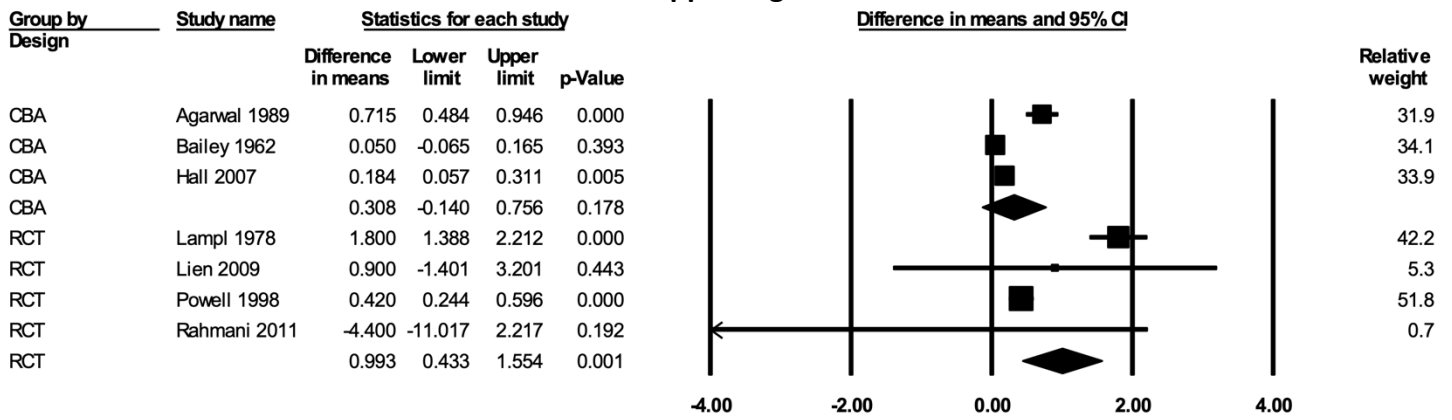


Figure S6 Random-effects meta-analysis of school feeding interventions on 12-month weight gain (in kilograms), stratified by study design (CBA or RCT). $I^2 = 92.18\%$ among CBAs and 92.26% among RCTs. CBA, controlled before-after study; RCT, randomized controlled trial.

Online Supporting Material

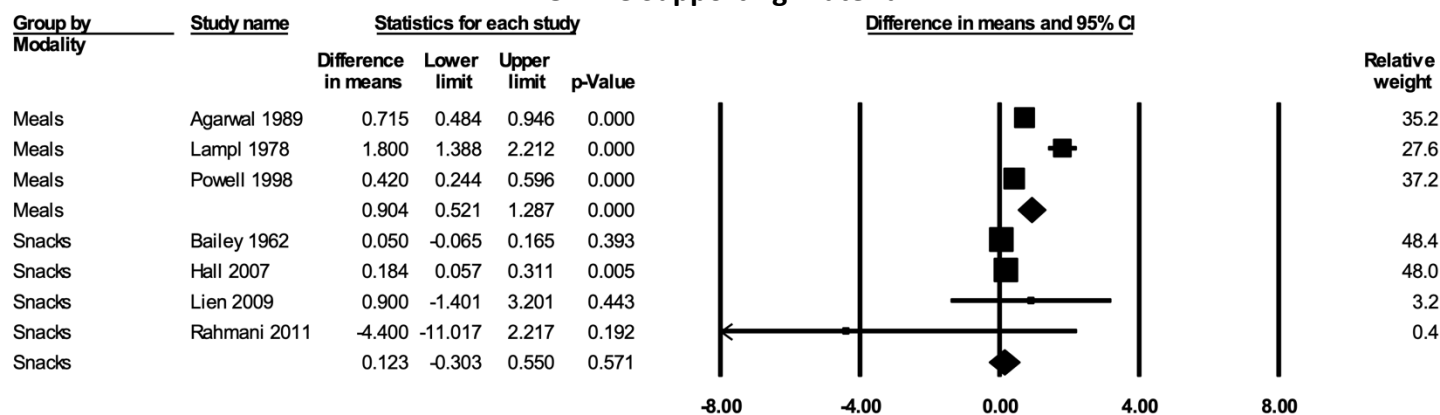


Figure S7 Random-effects meta-analysis of school feeding interventions on 12-month weight gain (in kilograms), stratified by feeding modality (formal meals or snacks). $I^2 = 94.57\%$ among formal meals and 34.56% among snacks.

Online Supporting Material

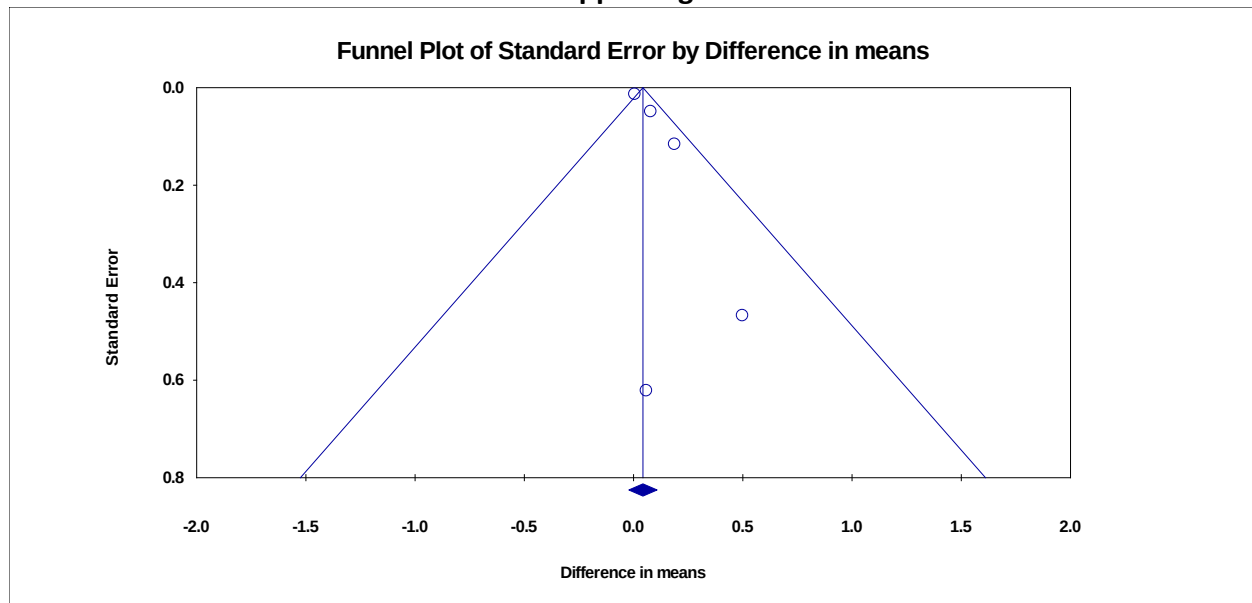


Figure S8 Funnel plot for the random-effects meta-analysis of school feeding interventions on 12-month change in weight-for-age Z-score.

Online Supporting Material



Figure S9 Funnel plot for the random-effects meta-analysis of school feeding interventions on 12-month change in body mass index-for-age Z-score.

Online Supporting Material



Figure S10 Funnel plot for the random-effects meta-analysis of school feeding interventions on 12-month change in hemoglobin concentrations (g/L).

Online Supporting Material

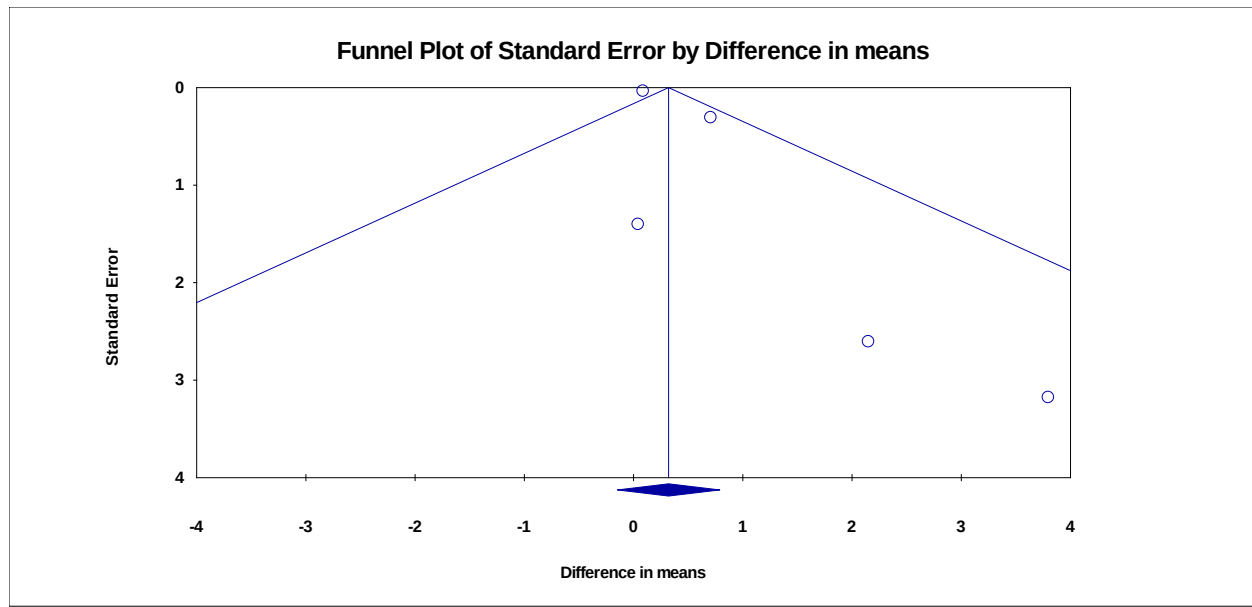


Figure S11 Funnel plot for the random-effects meta-analysis of school feeding interventions on 12-month change in mathematical or arithmetic skills.