Appendix A – Methodology documents CAPOC

1.	Search strings in PubMed2
2.	Inclusion and exclusion criteria - PubMed and grey literature search8
3.	Reasons for excluding three policy topics in the review report10
4.	Grey literature resources - List of websites browsed systematically
5.	Strategy for going through the websites with grey literature systematically16
6.	AMSTAR2 Checklist – Tool used for quality rating of all reviews and meta-analyses included
7.	Summary of results from the effect of availability, accessibility, and affordability policies
8	Summary of results from the effect of school health policies 25

1. Search strings in PubMed

The search strings were defined based on mesh-terms and search words used in relevant studies and publications, that we knew about in advance, and with inputs from the project group consisting of public health prevention experts from the Nordic Cancer Societies.

Scheme 1: Tax and fiscal policies

Mesh terms #1	AND	Mesh terms #3
"Body Weight"[Mesh]		"Fiscal Policy"[Mesh] OR "Taxes"[Mesh] OR "Nutrition
		Policy/economics"[Mesh]
OR		OR
Search terms #2		Search terms #4
Obes*[Title/Abstract] OR		"Fiscal polic*"[Title/Abstract] OR Tax[Title/Abstract]
overweight[Title/Abstract] OR		OR "Sugar tax"[Title/Abstract] OR "Sugar
"Pediatric obes*"[Title/Abstract]		levy"[Title/Abstract] OR "Sugar-Sweetened
OR "body weight"[Title/Abstract]		beverage tax"[Title/Abstract] OR "Soda
OR "Pre		tax"[Title/Abstract] OR "fat tax"[Title/Abstract] OR
overweight"[Title/Abstract] OR		"food subsid*"[Title/Abstract] OR "import
"pre obes*"[Title/Abstract]		tariff*"[Title/Abstract] OR "Health
		tax"[Title/Abstract] OR "unhealthy food
		tax"[Title/Abstract] OR "tax
		deduction"[Title/Abstract] OR "targeted
		subsid*"[Title/Abstract] OR "tax
		incentive*"[Title/Abstract] OR "soft drink
		tax"[Title/Abstract]

Scheme 2: Marketing

Aspect 1) Overweight	AND	Aspect 4) Type of policy
Mesh terms #1		Mesh terms #5
"Body Weight"[Mesh]		"Marketing"[Mesh] OR "Mass Media"[Mesh] OR
		"Social Media"[Mesh]
OR		OR
Search terms #2		Search terms #6
Obes*[Title/Abstract] OR		"Marketing"[Title/Abstract] OR "Social
overweight[Title/Abstract] OR		Marketing"[Title/Abstract] OR
"Pediatric obes*"[Title/Abstract]		"Advertis*"[Title/Abstract] OR "Mass
OR "body weight"[Title/Abstract]		Media"[Title/Abstract] OR "Marketing
OR "Pre		standard*"[Title/Abstract] OR "Advertising
overweight"[Title/Abstract] OR		standard*"[Title/Abstract] OR "Food
"pre obes*"[Title/Abstract]		marketing"[Title/Abstract] OR "Food
		advertis*"[Title/Abstract] OR "Marketing

	restriction*"[Title/Abstract] OR "marketing
	regulat*"[Title/Abstract] OR "Television
	marketing"[Title/Abstract] OR "broadcast
	marketing"[Title/Abstract] OR "digital
	marketing"[Title/Abstract] OR "Food
	promotion"[Title/Abstract] OR "Social media
	marketing"[Title/Abstract]

Scheme 3: Labelling

Aspect 1) Overweight	AND	Aspect 4) Type of policy
Mesh terms #1		Mesh terms #7
"Body Weight"[Mesh]		"Food Labeling"[Mesh] OR "Nutritive Value"[Mesh]
OR		OR
Search terms #2		Search terms #8
Obes*[Title/Abstract] OR		"Food label*"[Title/Abstract] OR "Food labelling
overweight[Title/Abstract] OR		legislat*"[Title/Abstract] OR "Nutritive
"Pediatric obes*"[Title/Abstract]		value*"[Title/Abstract] OR "Nutrient
OR "body weight"[Title/Abstract]		declaration*"[Title/Abstract] OR "nutrition
OR "Pre		label*"[Title/Abstract] OR "menu
overweight"[Title/Abstract] OR		label*"[Title/Abstract] OR "nutrient
"pre obes*"[Title/Abstract]		claim*"[Title/Abstract] OR "Front of
		pack"[Title/Abstract] OR "front of pack
		label*"[Title/Abstract] OR "Nutrient
		information"[Title/Abstract] OR "ingredient
		list*"[Title/Abstract] OR "interpretive front of
		pack"[Title/Abstract] OR label*[Title/Abstract] OR
		"Point-of-purchase label*"[Title/Abstract] OR
		"Calorie label*"[Title/Abstract] OR "Energy
		label*"[Title/Abstract]

Scheme 4: Early Childhood prevention

Aspect 1) Overweight	AND	Aspect 4) Type of policy
Mesh terms #1		Mesh terms #9
"Body Weight"[Mesh]		"Breast Feeding"[Mesh] OR "Maternal
		Health"[Mesh] OR "Maternal Nutritional
		Physiological Phenomena"[Mesh] OR "Infant
		Food"[Mesh] OR "Child Nutritional Physiological
		Phenomena"[Mesh] OR "Epigenesis, Genetic" [Mesh]
		OR "Obesity/genetics"[Mesh]
OR		OR
Search terms #2		Search terms #10

Obes*[Title/Abstract] OR "Breast Feed*"[Title/Abstract] OR "Maternal overweight[Title/Abstract] OR Health"[Title/Abstract] OR "Maternal Nutritional "Pediatric obes*"[Title/Abstract] Physiological Phenomena"[Title/Abstract] OR OR "body weight"[Title/Abstract] "Infant Food"[Title/Abstract] OR "Infant Nutritional OR "Pre Physiological Phenomena"[Title/Abstract] OR overweight"[Title/Abstract] OR "Child Nutritional Physiological "pre obes*"[Title/Abstract] Phenomena"[Title/Abstract] OR " infant malnutrition"[Title/Abstract] OR "child malnutrition"[Title/Abstract] OR "successful breastfeed*"[Title/Abstract] OR "promotion breastfeed*"[Title/Abstract] OR "Maternal nutrition"[Title/Abstract] OR "Epigenesis genetic*"[Title/Abstract] OR "Nutritional epigenetic*"[Title/Abstract] OR "Obesity genetic*"[Title/Abstract]

Scheme 5: Food reformulation

Aspect 1) Overweight	AND	Aspect 4) Type of policy
Mesh terms #1		Mesh terms #11
"Body Weight"[Mesh]		"Nutritive Value"[Mesh] OR "Food
		Industry/legislation and jurisprudence"[Mesh] OR
		"Food Supply/legislation and jurisprudence"[Mesh]
		OR "Food/standards"[Mesh] OR "Food,
		Formulated"[Mesh] OR "Portion Size" [Mesh] OR
		"Serving Size" [Mesh]
OR		OR
Search terms #2		Search terms #12
Obes*[Title/Abstract] OR		"Nutritive Value*"[Title/Abstract] OR "Food
overweight[Title/Abstract] OR		standard*"[Title/Abstract] OR "Food
"Pediatric obes*"[Title/Abstract]		Formulat*"[Title/Abstract] OR "Food
OR "body weight"[Title/Abstract]		reformulat*"[Title/Abstract] OR "Food
OR "Pre		content*"[Title/Abstract] OR "Nutritional
overweight"[Title/Abstract] OR		qualit*"[Title/Abstract] OR "mandatory
"pre obes*"[Title/Abstract]		limit*"[Title/Abstract] OR "food
		sustainab*"[Title/Abstract] OR "portion
		size*"[Title/Abstract] OR "Serving
		size*"[Title/Abstract] OR "Package
		size*"[Title/Abstract]

Scheme 6: Availability and affordability

Aspect 1) Overweight	AND	Aspect 4) Type of policy
Mesh terms #1		Mesh terms #13
"Body Weight"[Mesh]		"Costs and Cost Analysis"[Mesh] OR "Food
		Supply"[Mesh] OR "Commerce"[Mesh] OR
		"Health/economics"[Mesh] OR "Health
		Status/economics"[Mesh]
OR		OR
Search terms #2		Search terms #14
Obes*[Title/Abstract] OR		"Costs and Cost Analysis"[Title/Abstract] OR "Food
overweight[Title/Abstract] OR		supply" [Title/Abstract] OR "Access to Healthy
"Pediatric obes*"[Title/Abstract]		Food*"[Title/Abstract] OR "Food
OR "body weight"[Title/Abstract]		Insecurit*"[Title/Abstract] OR "Food
OR "Pre		securit*"[Title/Abstract] OR "Commerce"
overweight"[Title/Abstract] OR		[Title/Abstract] OR "Price*"[Title/Abstract] OR
"pre obes*"[Title/Abstract]		"Health econom*"[Title/Abstract] OR
		availab*[Title/Abstract] OR
		affordab*[Title/Abstract] OR "Assistance
		program*"[Title/Abstract] OR "Food
		voucher*"[Title/Abstract] OR "Nutrition
		assistance*"[Title/Abstract] OR "4 Ps"
		[Title/Abstract] OR "Four Ps" [Title/Abstract] OR
		"Promotion*"[Title/Abstract] OR "Space
		management"[Title/Abstract] OR
		"Nudg*"[Title/Abstract] OR "Choice
		architecture*"[Title/Abstract] OR "Willingness to
		pay" [Title/Abstract] OR "Price
		sensitivity*"[Title/Abstract]

Scheme 7: Public standards

Aspect 1) Overweight	AND	Aspect 4) Type of policy
Mesh terms #1		Mesh terms #15
"Body Weight"[Mesh]		"Diet/standards"[Mesh] OR "Guideline
		Adherence"[Mesh] OR "Nutrients/standards"[Mesh]
		OR "Food/standards"[Mesh] OR
		"Beverages/standards"[Mesh] OR "Food and
		Beverages/standards"[Mesh] OR
		"Health/standards"[Mesh] OR "Public
		Health/standards"[Mesh] OR "Infant
		Health/standards"[Mesh] OR "Child
		Health/standards"[Mesh] OR "Adolescent
		Health/standards"[Mesh] OR "Health

		Status/standards"[Mesh] OR "Exercise/legislation
		and jurisprudence"[Mesh] OR
		"Exercise/standards"[Mesh] OR
		"Movement/standards"[Mesh] OR "Physical
		Education and Training/standards"[Mesh] OR
		"Curriculum/standards"[Mesh] OR "School Health
		Services/legislation and jurisprudence"[Mesh] OR
		"School Health Services/standards"[Mesh]
OR	•	OR
Search terms #2		Search terms #16
Obes*[Title/Abstract] OR		"Diet standard*"[Title/Abstract] OR "Guideline
overweight[Title/Abstract] OR		adherence"[Title/Abstract] OR "Nutrient
"Pediatric obes*"[Title/Abstract]		standard*"[Title/Abstract] OR "Food
OR "body weight"[Title/Abstract]		standard*"[Title/Abstract] OR "Beverage
OR "Pre		standard*"[Title/Abstract] OR "Health
overweight"[Title/Abstract] OR		standard*"[Title/Abstract] OR "Public health
"pre obes*"[Title/Abstract]		standard*"[Title/Abstract] OR "Child health
		standard*"[Title/Abstract] OR "Exercise
		standard*"[Title/Abstract] OR "Curriculum
		standard*"[Title/Abstract] OR "School
		standard*"[Title/Abstract] OR "Nutrient
		standard*"[Title/Abstract] OR "Food based
		standard*"[Title/Abstract] OR "Nutritional
		guideline*"[Title/Abstract] OR "Diet
		guideline*"[Title/Abstract] OR "National
		guideline*"[Title/Abstract] OR "Government
		standard*"[Title/Abstract] OR "Nutrition
		governance"[Title/Abstract] OR "National
		recommendat*"[Title/Abstract] OR "Mandatory
		physical activit*"[Title/Abstract] OR "Physical
		activity curriculum"[Title/Abstract] OR "Public
		standard*"[Title/Abstract] OR "National
		polic*"[Title/Abstract] OR "National health
		polic*"[Title/Abstract]

Scheme 8: Health literacy

Aspect 1) Overweight	AND	Aspect 4) Type of policy
Mesh terms #1		Mesh terms #17
"Body Weight"[Mesh]		"Health Promotion"[Mesh] OR "Health
		Education"[Mesh]
OR		OR
Search terms #2		Search terms #18

Obes*[Title/Abstract] OR "Health Promotion*"[Title/Abstract] OR "Health Literacy"[Title/Abstract] OR "Consumer Health overweight[Title/Abstract] OR "Pediatric obes*"[Title/Abstract] Information"[Title/Abstract] OR "Health Education*"[Title/Abstract] OR "Health OR "body weight"[Title/Abstract] OR "Pre awareness"[Title/Abstract] OR "Nutrition overweight"[Title/Abstract] OR awareness"[Title/Abstract] OR "Physical activity "pre obes*"[Title/Abstract] awareness"[Title/Abstract] OR "Exercise awareness"[Title/Abstract] OR "Health knowledge"[Title/Abstract] OR "Nutrition knowledge"[Title/Abstract] OR "Physical activity knowledge"[Title/Abstract] OR "Exercise knowledge"[Title/Abstract] OR "Nutrition literacy"[Title/Abstract] OR "PA literacy"[Title/Abstract] OR "Food literacy"[Title/Abstract]

Scheme 9: School health

Aspect 1) Overweight	AND	Aspect 4) Type of policy
Mesh terms #1		Mesh terms #19
"Body Weight"[Mesh]		"School Health Services"[Mesh] OR
		"Diet/economics"[Mesh] OR "Nutrition
		Policy"[Mesh] OR "Schools"[Mesh] OR "Food
		Services"[Mesh] OR "Meals"[Mesh]
OR		OR
Search terms #2		Search terms #20
Obes*[Title/Abstract] OR		"School Health Service*"[Title/Abstract] OR "Diet
overweight[Title/Abstract] OR		econom*"[Title/Abstract] OR "Nutrition
"Pediatric obes*"[Title/Abstract]		Polic*"[Title/Abstract] OR "School*"[Title/Abstract]
OR "body weight"[Title/Abstract]		OR "Food Service*"[Title/Abstract] OR "School
OR "Pre		Meal*"[Title/Abstract] OR "School
overweight"[Title/Abstract] OR		Snack*"[Title/Abstract] OR "School
"pre obes*"[Title/Abstract]		Lunch*"[Title/Abstract] OR "School
		Breakfast*"[Title/Abstract] OR "School
		food*"[Title/Abstract] OR "School food
		standard*"[Title/Abstract] OR "School
		meal*"[Title/Abstract] OR "School
		lunch*"[Title/Abstract] OR "Free school
		lunch*"[Title/Abstract] OR "Free school meal*" OR
		"Universal school meal*"[Title/Abstract] OR "School
		food program*"[Title/Abstract] OR "School food
		service*"[Title/Abstract] OR "Public school
		meals*"[Title/Abstract] OR "Mandatory physical

activit*"[Title/Abstract] OR "School PA"

[Title/Abstract] OR "School physical
activit*"[Title/Abstract]

2. Inclusion and exclusion criteria - PubMed and grey literature search

	PubMed search	Grey search			
Year	All available years are included	All available years are included but			
		for websites with several			
		publications on the same topic, only			
		newest publications are included			
		unless older publications also cover			
		other aspects not mentioned in the			
		newest publication.			
Approach	Systematic search strings are	The websites are chosen from			
	searched at in PubMed. Additional	CADHT's¹ overview of websites in			
	studies that are published and we	'Grey Matters'², where relevant			
	bump into are also reviewed if they	websites for this project are			
	seem relevant.	included, and additional websites are			
		added with the help of the project			
		group. Specific keywords are			
		selected and searched for at all			
		chosen websites and all the websites			
		are browsed for relevant			
		publications.			
Type of	Systematic reviews, meta-analyses,	Grey literature published by the			
studies	and government reports.	authors/organizations from the			
		websites.			
Language	All we can understand (Danish,	All we can understand (Danish,			
	English, Swedish, Norwegian,	English, Swedish, Norwegian,			
	Portuguese)	Portuguese)			

¹ The Canadian Agency for Drugs and Technologies in Health.

² https://www.cadth.ca/grey-matters-practical-tool-searching-health-related-grey-literature. Only relevant sites for this search are included and sites where the html link works.

Inclusion criteria

- Policies carried out at political, regional, national, or global level.
- Deals with the evidence of the effect of prevention policies.
- National experiences with prevention policies.
- Implemented and evaluation of effects.
 - Effects measured at group, population, or industry-level.
- Effects on two main outcomes: anthropometry and health behavior.
- Other relevant topic outcomes e.g. exposure, prices, industry effects.
- Alle policies implemented regardless of duration time.
- Must be about health prevention.

Exclusion criteria

- Opinion/policy papers are not included in the final search.
- Other umbrella-reviews.
- Interventions at individual, specific group, and local level.
- Everything about eating disorders and stigma.
- Treatment (unless treatment is viewed as prevention of further obesity)
- Outcome on cases of illness/death.

- Policies carried out at political, regional, national, or global level.
- Deals with the evidence of the effect of prevention policies.
- National experiences with prevention policies.
- Implemented and evaluation of effects.
 - Effects measured at group, population, or industry-level.
- Effects on two main outcomes: anthropometry and health behavior.
- Other relevant topic outcomes e.g. exposure, prices, industry effects.
- Alle policies implemented regardless of duration time.
- Must be about health prevention.
- Opinion/policy papers are not included in the final search.
- Other umbrella-reviews.
- Interventions at individual,
 specific group, and local level.
- Everything about eating disorders and stigma.
- Treatment (unless treatment is viewed as prevention of further obesity)
- Outcome on cases of illness/death.

Anthropometry as outcome measurement:

Weight; overweight; obesity; pre-obesity; pre-overweight; fat; thick; weight loss; weight gain; BMI; body fat; fat mass; paediatric obesity; body weight; infant/childhood/adolescence/adult obesity; infant/childhood/adolescence/adult overweight; weight maintenance; weight stability.

Health behaviour as outcome measurement:

Consumption/intake; Purchase; food habits (frequency of healthy and unhealthy eating); drinking habits (frequency of healthy and unhealthy drinking); spending on unhealthy/healthy food/drinks; demand of unhealthy/healthy food/drinks; demand of physical activity offers; frequency of physical activity; frequency of physical activity offers; frequency of sedentary behaviour; health literacy; reformulation of food/drinks products; number of advertisements; guideline adherence; number of free/healthy school meals.

3. Reasons for excluding three policy topics in the review report

Systematic literature searches were also made in PubMed on the effectiveness of policies concerning public standards, food reformulation and health literacy. However, these three topics were not included in the final review report because:

- 1. We already have national and Nordic public standards for a healthy diet and physical activity.
- 2. Studies found on food reformulation and health literacy largely covered intervention studies and studies investigating associations between these aspects and health behaviours.
- It was agreed on in the project group that insights from the six remaining topics would be the most beneficial for potential policies to implement in the Nordic context.

4. Grey literature resources - List of websites browsed systematically

International resources

- World Health Organization. Publications or Health topics.

 https://www.who.int/europe/publications/i; https://www.who.int/healthtopics/obesity#tab=tab 1 [Search by keyword, health topic, type, phrases may be searched by using "" and under Topic see publications below]

 □
- World Cancer Research Fund International. *Publications*.

 https://www.wcrf.org/policy/our-publications/ [Language: English]. \(\times \)
- Science and Technology of Childhood Obesity Policy (STOP). *Publications*. https://www.stopchildobesity.eu/stop-publications/ [Language: English]
 https://www.stopchildobesity.eu/stop-publications/ [Language: English]
- Publications Office of the European Union. Publications.
 https://op.europa.eu/en/home [Advanced search by collection, author, subject, Language: English]. ☑
- The European Food Information Council (EUFIC) https://www.eufic.org/en/
- The European Consumer Organization https://www.beuc.eu/position-papers
- Centers for Disease Control and Prevention (CDC). Publications.

 https://www.cdc.gov/publications/index.html [Choose by topic or search in right corner]. ⊠
- Nordisk Samarbejde. Publications. https://www.norden.org/da/publikationer [Search by keyword, type, topic or organization, Language: Danish, Swedish, Norwegian, English]. ☑
- World Obesity. Resources, Policy Dossiers and Publications.

 https://www.worldobesity.org/resources/policy-dossiers

 https://www.worldobesity.org/resources/resource-library

 [Search by keyword and filter by category, Language: English].

 ■
- OECD. OECD iLibrary. https://www.oecd-ilibrary.org/ [Search by keyword, title or author, Language: English]. B
- European Heart Network. Publications and Papers.

 https://www.ehnheart.org/publications-and-papers/publications.html?start=10

 [Search by keyword in right corner or browse publications, Language: English]. ⊠
- The European Association for the Study of Obesity. Research, Education, Policy and Media. https://easo.org/ [Language: English]. ☑
- Unicef. Publications. https://www.unicef.org/reports [Filter by topic, Language: English]. ⊠
- Cohrane. Cohrane Reviews. https://www.cochranelibrary.com/ [Can be browsed by topic or searched by title/abstract/keyword in right corner, Language: English].

 ⊠
- International Food Information Council, https://ific.org/ ⊠
- Health Behaviour in School-aged Children https://hbsc.org/ ⋈
- Policy Evaluation Network https://www.jpi-pen.eu/ ⊠

National resources

Australia

- Australian Government, Department of Health and Aged Care. Publications.
 https://www.health.gov.au/resources/publications?f%5B0%5D=field_related_health_topics%3A1476 [Search by type and topic in left side bar, Language: English].
- EPOCH Translate. Translating Early Prevention of Obesity in Childhood. Foundation Research. https://earlychildhoodobesity.com/ ⋈
- Obesity Policy Coalition https://www.opc.org.au/ ⊠
- Obesity Evidence Hub https://www.obesityevidencehub.org.au/ ⊠
- Centre for Behavioural Research in Cancer https://www.cancervic.org.au/research/behavioural ⊠

Austria

Austrian Institute of Health Technology Assessment. *Publications.*https://aihta.at/page/praevention-screening/en [Language: German, English]

Belgium

• Belgian Health Care Knowledge Centre. Publications. https://kce.fgov.be/en/all-reports-0 [Search by keyword, domain and year] ⊠

Canada

- Alberta Health and Wellness. Health data, research and standards. https://www.alberta.ca/health-wellness.aspx . [Scroll down to view list of completed reports or use the keyword search box in top right corner, Language: English].

 ⊠
- Canadian Agency for Drug and Technologies in Health (CADTH). About. https://www.cadth.ca/about-cadth [Can limit by 'Product line,' 'Result type,' 'Publication date,' etc. in the bar at the left side of the page. Includes projects in progress as well as completed projects, Language: English, French].

 □
- Canadian Institutes of Health Research. Human development, Child and Youth Health.
 https://cihr-irsc.gc.ca/e/8697.html [Publications in the left side bar, Language: English]. ⋈
- Health Quality Council of Alberta (HQCA). Reports Library.

 https://hqca.ca/reports-library/ [Search by keyword in right side search field]. ⊠
- The Hospital for Sick Children (SickKids). Reports and Theses. https://lab.research.sickkids.ca/task/reports-theses/ [Language: English] ⊠
- Institute of Health Economics (IHE). Publications.

 https://www.ihe.ca/index.php?/publications [Search by keyword, year, topic etc. in left hand menu, Language: English].

 https://www.ihe.ca/index.php?/publications [Search by keyword, year, topic etc. in left hand menu, Language: English].

 https://www.ihe.ca/index.php?/publications [Search by keyword, year, topic etc. in left hand menu, Language: English].

 https://www.ihe.ca/index.php?/publications [Search by keyword, year, topic etc. in left hand menu, Language: English].

 https://www.ihe.ca/index.php?/publications [Search by keyword, year, topic etc. in left hand menu, Language: English].

- Manitoba Centre for Health Policy (MCHP). Deliverables, by topic. http://mchpappserv.cpe.umanitoba.ca/deliverablesList.html [Search by topic, basic or advanced search to the right, Language: English]. ⊠
- Newfoundland and Labrador Centre for Applied Health Research. Contextualized Health Research Synthesis Program (CHRSP). Completed CHRSP Projects. https://www.mun.ca/nlcahr/chrsp/completed-chrsp-projects/ [Language: English]. ⊠
- Government of Canada. https://www.canada.ca/en/services/health.html https://www.canada.ca/en/public-health/services/reports-publications/diseaseprevention-control-quidelines.html ⊠
- Canadian Partnership against cancer. Tools. https://www.partnershipagainstcancer.ca/tools/prevention-policies-<u>directory/cancer-prevention-policy-packs/</u> [Language: English]. ⊠

Denmark

- Sundhedsstyrelsen. https://www.sst.dk/da/udgivelser [Language: Danish, English summaries]. ⊠
- **Kræftens Bekæmpelse**. https://www.cancer.dk/fagfolk/rapporter/ [Language: Danishl.
- Diabetesforeningen. Projekter og undersøgelser. https://diabetes.dk/forskning/for-fagfolk/projekter-og-undersogelser [Language: Danish]. ⊠
- **Hjerteforeningen**. Rapporter, anbefalinger og guidelines. https://hjerteforeningen.dk/fagnet/rapporter-fra-hjerteforeningen/ [Language: Danish]. ⊠
- Nationalt Center for Overvægt. Om forskning. https://www.ncfo.dk/om- forskning/ [Language: Danish]. ⊠
- Vidensråd for Forebyggelse. Rapporter. http://www.vidensraad.dk/rapporter [Language: Danish].
- DTU Fødevareinstituttet. Publikationer. https://www.food.dtu.dk/publikationer [Language: Danish].
- The Initiative for Science, Society and Policy, Roskilde Universitet http://www.issp.center/ (hjemmeside dur ikke). I stedet søgt blandt RUC's publikationer på. https://forskning.ruc.dk/ ⊠
- SDU https://portal.findresearcher.sdu.dk/da/publications/ SDU , Institut for idræt og biomekanik
- https://www.sdu.dk/da/om_sdu/institutter_centre/iob_idraet_og_biomekanik ⊠ Statens Institut for Folkesundhed https://www.sdu.dk/da/sif/rapporter ⊠
- Institut for idrætsanalyse www.idan.dk ⊠
- Landbrug og Fødevarer https://lf.dk/viden-om/sundhed-og-fodevarer ⊠
- COOP analyse https://coopanalyse.dk/ ⊠
- Københavns Kommune https://kk.sites.itera.dk/apps/kk_pub2/ ⊠
- Novo Nordisk Fonden https://novonordiskfonden.dk/nyheder- medier/mediebibliotek/ ⊠

Finland

Ministry of Social Affairs and Health. Publications. https://stm.fi/en/publications [Search by keyword, Language: Finnish, Swedish and English].

- Finnish Institute for Health and Welfare. Publications or Search.

 https://thl.fi/en/web/thlfi-en/publications [Publications or Search in the right corner, Language: Finnish, Swedish and English].

 https://thl.fi/en/web/thlfi-en/publications [Publications or Search in the right corner, Language: Finnish, Swedish and English].

 https://thl.fi/en/web/thlfi-en/publications [Publications or Search in the right corner, Language: Finnish, Swedish and English].

 https://thl.fi/en/web/thlfi-en/publications [Publications or Search in the right corner, Language: Finnish, Swedish and English].
- Cancer Society of Finland. Publications.

 https://www.cancersociety.fi/publications/
 [Language: Finnish, Swedish and English].

 □

France

• French National Authority for Health. *Publications*. https://www.has-sante.fr/jcms/p-3135026/en/search-for-a-guideline-an-assesment [Search by topic, Language: French and English].

✓

Germany

• Federal Ministry of Health / Bundesministerium für Gesundheit https://www.bundesgesundheitsministerium.de/en/topics.html [Search for keyword, Language: German and English].

☐

Ireland

- Health Information and Quality Authority. Reports & Publications. https://www.hiqa.ie/reports-and-publications/all-publications [Search by keyword, Language: English]. ⊠
- The Irish Health Repository (Lenus). https://www.lenus.ie/ [Use advanced search or search by keyword, subjects, communities etc., Language: English] ⊠
- **Department of Health Ireland.** *Publications.* https://www.gov.ie/en/publications/ [Search by keyword, category, Language: English] ⊠

The Netherlands

National Health Care Institute Netherlands. Publications.
 https://english.zorginstituutnederland.nl/publications [Search by keyword and type; Language: Dutch and English]

Norway

- Folkehelseinstituttet, Norwegian Institute of Public Health. Publications. https://www.fhi.no/en/publ/ [Search by keyword and type, Language: Norwegiand and English]. ⊠
- **Kreftforeningen**. https://kreftforeningen.no/?s=rapport [Search in the right corner by keyword, Language: Norwegian and English].

 □
- **Helsedirektoratet**. *Rapporter*. https://www.helsedirektoratet.no/rapporter [Language: Norwegian and English]. ⊠

Sweden

- Swedish Agency for Health Technology Assesment and Assesment of Social Services. *Publications*. https://www.sbu.se/en/publications2/ [Search by keyword, subjects, subjectcategories, type, Language: Swedish and English].
- Folkhälsomyndigheten. Public Health Agency of Sweden. *Publications*. <u>https://www.folkhalsomyndigheten.se/the-public-health-agency-of-sweden/publications/</u> [Language: Swedish and English].

 ⊠
- Cancerfonden. Rapporter. https://www.cancerfonden.se/rapporter [Language: Swedish]. ⊠
- **Swelife.** *Rapporter.* https://swelife.se/rapporter/ [Language: Swedish and English]. □
- **Statskontoret.** *Publiceret.* https://www.statskontoret.se/publicerat/ [Language: Swedish and English]. M
- **Livsmedelsverket.** Publikationer. https://www.livsmedelsverket.se/om-oss/publikationer/sok-publikationer [Language: Swedish and English].
- **Socialstyrelsen.** Publikationer. https://www.socialstyrelsen.se/publikationer/ [Language: Swedish and English]. https://www.socialstyrelsen.se/publikationer/
- **HFS-nätverket.** Dokumentation. http://www.hfsnatverket.se/hfs-natverkets-rapporter [Language: Swedish and English]. ⊠

UK

- Healthcare Improvement Scotland. Published resources.
 https://www.healthcareimprovementscotland.org/ [Browse by healthcare area, type, keyword, Language: English]. <a href="mailto:Z
- National Institute for Health and Care Excellence (NICE)

 https://www.nice.org.uk/guidance/published [Search by keyword in search field or choose Guidance and search by topic, Language: English].

 □
- National Institute for Health Research (NIHR). Publications. https://www.io.nihr.ac.uk/outputs-publications/ [Language: English].
- Department of Health & Social Care.

 https://www.gov.uk/government/organisations/department-of-health-and-social-care [Policy papers and consultation, Guidance and regulation or search field in right corner, Language: English].

 ☐
- Cancer Research UK. Publications.

 https://publications.cancerresearchuk.org/? gl=1*utecib* ga*NDM4MTgxMTE2Lj
 E2NTE1ODI0NDI.* ga 58736Z2GNN*MTY2MTQyOTg4Ni4zLjEuMTY2MTQyOTkwN
 y4zOS4wLjA.& ga=2.190981290.1827546914.1661429886-438181116.1651582442
 [Search in search field or under publications, prevention, choose topic, Language: English]. □
- National Health Service UK. Publications.
 https://www.england.nhs.uk/publication/ [Search by keyword, topic, type, Language: English]. ⊠
- Obesity UK. Our work https://www.obesityuk.org.uk/our-work [Language: English]. ⊠
- Obesity Action Coalition. Education and Support and Advocacy.

 https://www.obesityaction.org/ [Search can also be made in the right corner,
 Language: English].

 □
- The Obesity Society. Positions and Policies. https://www.obesity.org/positions-and-policies/ [Language: English].
- Action on Sugar https://www.actiononsugar.org/research-/ ⊠

US

- American Institute of Cancer Research https://www.aicr.org/resources/media-library/ ⊠
- Agency for Healthcare Research and Quality. Publications and Products. https://www.ahrq.gov/research/publications/pubcomguide/index.html
 [Language: English]. ⋈
- U.S. Department of Health & Human Services. https://www.hhs.gov/ [Search in field search, Language: English]. Department of Health & Human Services. https://www.hhs.gov/ [Search in field search, Language: English]. Department of Health & Human Services. https://www.hhs.gov/ [Search in field search, Language: English]. Department of Health & Human Services.
- National Academy of Sciences http://www.nasonline.org/publications/pnas/ ⊠

5. Strategy for going through the websites with grey literature systematically

- If websites have their publications/reports gathered in one place, they have been browsed.
- On all websites, the following search terms has been searched at:
 - Obesity/overweight
 - Childhood obesity
 - o Obesity prevention
 - Obesity policy
- If possible, searches have been restrained to reports/publications/surveys and only searching for the specific words and word combinations. If this wasn't an option, I have searched for obesity report/obesity publication manually etc.
- Here the results have been browsed thoroughly. If the hits have been more than 20,
 I have skimmed the first 10 because the websites show hits after relevance.
- Only publications that are available for free / without a user login has been included.
- If relevant publications from other authors/websites were found in the browsing of the 83 websites, they were also saved.

6. AMSTAR2 Checklist – Tool used for quality rating of all reviews and meta-analyses included

AMSTAR refer to *A MeaSurement Tool to Assess systematic Reviews* which was used to assess the methodological quality (incl. risk of bias) of the included systematic reviews and meta-analyses in a transparent and homogeneous manner. Methodological quality is rated based on 16 questions that cover e.g. whether a systematic review/meta-analysis include the PICO (Population, intervention, comparator group, outcome) components, include a protocol, is clear on inclusion and exclusion criteria, inform on and has a comprehensive search strategy, perform study selection and data extraction in duplicate, if a satisfactory technique is used to assess risk of bias (ROB), if meta-analysis are done, if ROB, heterogeneity and publication bias are accounted for in interpretation and sources of funding/conflicts of interests. The full AMSTAR2 checklist can be found online. The quality-rating that is provided by using AMSTAR2 is not an overall score, but instead a general rating of the review which can range from a critically low, low, moderate to a high quality.

The tool can be used to assess the methodological quality on systematic reviews that both include randomized (RCT) and/or non-randomized studies. However, it is important to be aware that AMSTAR2 rate the quality of a systematic review higher if it follows 'the Golden standard' for scientific studies examining effectiveness (Hariton & Locascio 2018³). A review reaches this golden standard if it contains randomized controlled trails, a risk of bias assessment and a meta-analysis. However, from the scope of this Umbrella review, it is not possible for all the included systematic reviews/meta-analyses to include this. Hence, we especially are interested in observational and real-life studies examining the effects from real life implemented policies. This is very hard to cover by using randomized controlled trials since the whole population is exposed to the policy and there thereby is no control group. Furthermore, because the evidence in the included reviews often are heterogenous regarding the study designs, the analyses made, samples included, and outcomes reported on, the possibility for meta-analyses is limited. This does not mean that the results from the included reviews/meta-analyses are of low quality and not useful even though they potentially rate low when using the AMSTAR2 quality assessment tool. Instead, these types of observational studies represent the most valid results and effects based on real life settings which is highly important when looking into evidence on real life prevention policies.

³ Hariton, Eduardo & Locascio, Joseph J 2018. "Randomised controlled trials—the gold standard for effectiveness research". *BJOG 125(13)*.

AMSTAR 2: a critical appraisal tool for systematic reviews that include randomised or non-randomised studies of healthcare interventions, or both

or Yes	3:	Optional (recommended)		
	Population Intervention Comparator group Outcome	☐ Timeframe for follow-up	0	Yes No
2.		tain an explicit statement that the revi of the review and did the report justif		
The aut	tial Yes: hors state that they had a written 1 or guide that included ALL the ng:	For Yes: As for partial yes, plus the protocol should be registered and should also have specified:		
				Yes
_ _ _	1	□ a meta-analysis/synthesis plan if appropriate, and □ a plan for investigating causes of heterogeneity □ justification for any deviations from the protocol		Partial Yes No
3.	Did the review authors explain	their selection of the study designs for	inclusion	in the review?
For Yes	s, the review should satisfy ONE of			
	Explanation for including only R OR Explanation for including on OR Explanation for including bo	y NRSI		Yes No
4.		mprehensive literature search strategy	?	
For Part	tial Yes (all the following):	For Yes, should also have (all the following):		
0	searched at least 2 databases (relevant to research question) provided key word and/or search strategy justified publication restrictions (e.g. language)	□ searched the reference lists / bibliographies of included studies □ searched trial/study registries □ included/consulted content experts in the field □ where relevant, searched for grey literature □ conducted search within 24 months of completion of the review		Yes Partial Yes No
5.	Did the review authors perform	study selection in duplicate?		
	and achieved consensus on which			Yes No
		ple of eligible studies <u>and</u> achieved good ith the remainder selected by one		

 $AMSTAR\ 2: a\ critical\ appraisal\ tool\ for\ systematic\ reviews\ that\ include\ randomised\ or\ non-randomised\ studies\ of\ healthcare\ interventions,\ or\ both$

	Did the review authors perform , either ONE of the following:				
	at least two reviewers achieved co included studies	from a sa	mple of eligible studies <u>and</u>	0	Yes No
7.	THE RESERVE THE PROPERTY OF THE PARTY OF THE	a list of	excluded studies and justify the ex	clusion	ıs?
	rial Yes:		s, must also have:		
			Justified the exclusion from the review of each potentially relevant study	0	Yes Partial Yes No
8.	Did the review authors describe	e the incl	uded studies in adequate detail?		
For Part	ial Yes (ALL the following):	For Yes	s, should also have ALL the ng:		
	described populations described interventions described comparators described outcomes described research designs	0	described population in detail described intervention in detail (including doses where relevant) described comparator in detail (including doses where relevant) described study's setting timeframe for follow-up		
9.	Did the review authors use a sa individual studies that were inc	tisfactor	y technique for assessing the risk	of bias	(RoB) in
RCTs For Part from	tial Yes, must have assessed RoB	For Yes	s, must also have assessed RoB		
	unconcealed allocation, and lack of blinding of patients and assessors when assessing outcomes (unnecessary for objective outcomes such as all- cause mortality)	0	allocation sequence that was not truly random, and selection of the reported result from among multiple measurements or analyses of a specified outcome		Yes Partial Yes No Includes only NRSI
NRSI					
For Part RoB:	ial Yes, must have assessed from confounding, and from selection bias		s, must also have assessed RoB: methods used to ascertain exposures and outcomes, and selection of the reported result from among multiple measurements or analyses of a specified outcome		Yes Partial Yes No Includes only RCTs
10.	Did the review authors report of	n the sou	irces of funding for the studies in	cluded	in the review?
For Ye	es Must have reported on the sour	ces of fur that the r	ding for individual studies included	i	□ Yes

 $AMSTAR\ 2: a\ critical\ appraisal\ tool\ for\ systematic\ reviews\ that\ include\ randomised\ or\ non-randomised\ studies\ of\ healthcare\ interventions,\ or\ both$

11. If meta-analysis was performed did the review authors use appropriate combination of results?	metn	ous for statistical
CTs		
or Yes:		37
☐ The authors justified combining the data in a meta-analysis		Yes No
AND they used an appropriate weighted technique to combine		No meta-analysis
study results and adjusted for heterogeneity if present. AND investigated the causes of any heterogeneity		conducted
AND investigated the causes of any heterogeneity for NRSI		
or Yes:		
☐ The authors justified combining the data in a meta-analysis		Yes
☐ AND they used an appropriate weighted technique to combine		No
study results, adjusting for heterogeneity if present		
 AND they statistically combined effect estimates from NRSI that 		conducted
were adjusted for confounding, rather than combining raw data,		
or justified combining raw data when adjusted effect estimates		
were not available		
 AND they reported separate summary estimates for RCTs and NRSI separately when both were included in the review 		
	42-17-	
If meta-analysis was performed, did the review authors assess the poter individual studies on the results of the meta-analysis or other evidence s		•
or Yes:		ro irre
☐ included only low risk of bias RCTs		Yes
 OR, if the pooled estimate was based on RCTs and/or NRSI at variable 		No
RoB, the authors performed analyses to investigate possible impact of		No meta-analysi
RoB on summary estimates of effect.		conducted
13. Did the review authors account for RoB in individual studies when interesults of the review?	rpreti	ng/ discussing the
or Yes:		
☐ included only low risk of bias RCTs		Yes
 OR, if RCTs with moderate or high RoB, or NRSI were included the] No
review provided a discussion of the likely impact of RoB on the results		
14. Did the review authors provide a satisfactory explanation for, and disc	ussion	of, any
heterogeneity observed in the results of the review?		
or Yes:		
☐ There was no significant heterogeneity in the results	42	Dr. 1201
☐ OR if heterogeneity was present the authors performed an investigation of		Yes
sources of any heterogeneity in the results and discussed the impact of this on the results of the review		No No
15. If they performed quantitative synthesis did the review authors carry o	ut an a	dequate
investigation of publication bias (small study bias) and discuss its likely the review?	impac	t on the results of
or Yes:		Ar Barbar
☐ performed graphical or statistical tests for publication bias and discussed	92	Yes
the likelihood and magnitude of impact of publication bias] No
		No meta-analysi

 $AMSTAR\ 2: a\ critical\ appraisal\ tool\ for\ systematic\ reviews\ that\ include\ randomised\ or\ non-randomised\ studies\ of\ healthcare\ interventions,\ or\ both$

16	. Did the review authors report any potential sources of conflict of in they received for conducting the review?	terest, in	cluding any funding
For Ye	s:		
	The authors reported no competing interests OR		Yes
	The authors described their funding sources and how they managed potential conflicts of interest		No

To cite this tool: Shea BJ, Reeves BC, Wells G, Thuku M, Hamel C, Moran J, Moher D, Tugwell P, Welch V, Kristjansson E, Henry DA. AMSTAR 2: a critical appraisal tool for systematic reviews that include randomised or non-randomised studies of healthcare interventions, or both. BMJ. 2017 Sep 21;358:j4008.

7. Summary of results from the effect of availability, accessibility, and affordability policies

The results from the original studies in the AAA section was pooled and categorized in an excel sheet.

							Availa	
							bility	
							(healt	
Polici							hy	
es							foods/	
aimed							bever	
at							ages	
impro							or	
ving	No.						physic	Cost-
diet	of	Cons	Purch	Nutritional	PA Behaviour	Antropomet	al	effectivenes
(N=10	studi	ump	ase/s	quality (e.g.	(steps, MVPA, PA	ry (weight,	space	s/cost-
8)	es	tion	ales	energy density)	level etc.)	BMI etc.)	for PA)	benefit
Cash								
transf								
er/fo								
od								
benef		2	1					
it			↑ = 1	. –		↑ = 10	↑ = 1	
progr		↓ = 1	↓ =	↑ =	↑ =			
ams		↔ =	↔ =	↓ =	↓ =	↓ = 2	↓ =	cost
(e.g.		• =	• =	→ =	↔ =	↔ = 15	↔ =	beneficial =
SNAP,		-=	-=	• =	• =	• = 15 _	•=	1
WIC)	n=49	46	48	-= 49	-= 49	-=7	-= 48	-= 48
Price								
incen								
tives								
for								
healt		↑ = 4	↑ = 6	↑ =	↑ =	1 ↑ =	↑ = 1	Not cost
hy foods		, 	j =	· ↓ =	↑ =	, ↓ = 1	, 	effective = 1
and			÷	÷	÷	↔ =	÷	Could save
bever		• = 4		• = 1	• =	• = 2	· =	DALYs = 2
ages	n=18			- = 17	- = 18	_ = 15	– = 17	-= 16
ayes	11-10	_ 0	- /	- 17	_ 10	_ 15	- 17	- 10

	- 26							
	n=26							
Healt	(15							
hy	studi							
food	es	6						
procu	NR	↑ = 6	_	_			_	
reme	healt	↓ =	↑ = 3	↑ = I	↑ =	↑ =	↑ = 1	
nts/f	h	↔ =	↓ =	↓ =	↓ =	↓ =	↓ =	
ood	outc	• =	↔ = 1	↔ =	↔ =	↔ =	↔ =	
sche	omes	-=	• = 1	•=	• =	• =	• =	
mes	*)	20	-= 21	-= 25	-= 26	-= 26	-= 25	-= 26
Restri								
cting								
or								
impro								
ving								
availa								
bility	n=12							
of	(4							
unhe	` studi							
althy/	es							
healt	NR							
hy	healt	↑ = 1	↑ = 2	↑ = 2	↑ =	↑ =	↑ = 2	
foods	h	↓ =	↓ =	↓ =	↓ =	↓ =	↓ =	Leads to
and	outc	↔ =	↔ =	↔ =	↔ =	↔ =	↔ =	gained QALY
bever	omes	■ = 2		• =	•=	• = 1	•=	= 1
	*)	_ = 9		-= 10	- = 12	_ = 11	- = 10	_ = 11
ages	')							11
		↑ =	↑ =	↑ =	↑ =	↑ =	↑ =	
In-		↓ =	↓ =	↓ =	↓ =	↓ =	↓ =	
store		↔ =	↔ =	↔ =	↔ =	↔ =	↔ =	
prom		• = 2	• = 1	• =	• =	• =	• = 1	
otion	n=3	-=1	-=2	-= 3	-=3	-=3	-=2	-=3
Policies	s aimed	at imp	roving p	hysical activity (I	N=28)			
Physi								Not cost
cal		↑ =	↑ =	↑ =	↑ =	↑ =	↑ =	effective = 1
activi		↓ =	↓ =	↓ =	↓ =	↓ =	↓ =	Leads to
ty on		↔ =	↔ =	↔ =	↔ = 1	↔ =	↔ =	gained QALY
referr		• =	• =	• =	• =	• =	•=	=1
al	n=2	-=2	-=2	-= 2	-=1	-=2	-=2	_ = 0
ui	11-2	_	_	_	,	_	_	

Impro								
veme								
nt of								
walki								
ng								
and		↑ =						
bicycl		↓ =	↑ =	↑ =	↑ = 9	↑ = 1	↑ =	
ing		↔ =	↓ =	↓ =	↓ =	↓ =	↓ =	Economic
infras		• =	↔ =	↔ =	↔ = 1	↔ =	↔ =	beneficial =
truct		-=	• =	• =	■ = 2	• =	• =	6
ure	n=18	18	- = 18	- = 18	-=6	- = 17	- = 18	-= 12
Impro								
veme								
nt of								
built								
envir								
onme								
nt								
and								
acess								
to								
increa								
sed								
PA								
equip								
ment,								
settin								
gs		↑ =	↑ =	↑ =	↑ = 3	↑ =	↑ =	
and		↓ =	↓ =	↓ =	↓ =	↓ =	↓ =	Economic
oppor		↔ =	↔ =	↔ =	↔ = 1	↔ =	↔ =	beneficial =
tuniti		• =	• =	• =	• = 3	• =	• =	2
tes	n=8	-=8	-=8	-= 8	-= 1	-=8	-=8	-=6
Multico	mnone	ent poli	cies incl	either several die	et and/or PA comp	onents (N=20)		
- iaiticc	n=20	The point		Citilor Several die	or and, or i A comp			
	(3							
	studi	↑ = 2						
	es	↓ =	↑ = 3	↑ =	↑ =	↑ = 1	↑ =	
All	NR	↔ = 1	↓ =	↓ =	↓ =	↓ = 1	↓ =	Economic
group	healt	• =	↔ =	↔ =	↔ = 1	↔ = 2	↔ =	beneficial =
ed	h	-=	• = 1	• =	•=	• = 1	• =	5
(n=21)	outc	18	- = 16	-= 20	– = 19	-= 16	-= 20	-= 15
,/								

omes			
*)			

Signs used in table:

- $_{\uparrow}$ = positive significant results (e.g. increased consumption of FV, decreased overweight, increased PA behaviour, positive environmental changes etc.)
- ↓ = Negative significant results (e.g. decreased FV consumption, increased BMI, decreased PA behaviour, negative environmental changes etc.)
- → = Mixed results (e.g. positive results and negative results, negative/positive results, and non-significant results)
- = Non-significant results (no change in consumption, overweight, PA behaviour or environmental surroundings etc.)
- = Studies not reporting on outcome

n=10, MA2: indicates the total numbers of studies within a category equal 10 and 2 of those studies are results from the pooled results in a meta-analysis.

8. Summary of results from the effect of school health policies

The results from the original studies in the school health section was pooled and categorized in an excel sheet.

								Environm
								ental
					PA			change
				Nutriti	Behavi			(e.g.
				onal	our			Increased
				quality	(steps,			environm
	No.			(e.g.	MVPA,	Antropo		ental
	of			energy	PA	metry	Cost-	opportuni
	studi	Consum	Purchase/	density	level	(weight,	effective	ties,
Diet policies (N=157)	es	ption	sales)	etc.)	BMI etc.)	ness	enhanced

								playgroun
								ds,
								changed
								curriculu
								m etc.)
		↑ = 17	↑ =	↑ =	↑ =	↑ = 1		↑ =
Fruit and vegetables		↓ =	↓ =	↓ =	↓ =	↓ =	cost	↓ =
policy/program		↔ = 4	↔ = 1	↔ =	↔ =	↔ = 1	effective	↔ =
(free/subsized/increa		• =1	• =	• =	• =	• =	= 1	• =
sed availability)	n=26	_ = 4	-= 25	-= 26	-= 26	-= 24	-= 25	-= 26
		↑ = 4	↑ =	↑ =	↑ =	↑ = 2		↑ =
		↓ =	↓ =	↓ =	↓ =	↓ = 1		↓ =
		↔ =	↔ =	↔ =	↔ =	↔ = 2		↔ =
School meals		• =	• =	• =	• =	• = 7		• =
(breakfast and lunch)	n=15	-= 11	- = 15	- = 15	- = 15	-= 3	- = 15	- = 15
Provision of healthy		↑ = 8						
foods and beverages		↓ =	↑ = 5	↑ = 1	↑ =	↑ = 6		↑ = 11
(FB) /limiting acess to		\leftrightarrow = 10 MA,	↓ =	↓ =	↓ =	↓ = 1		↓ =
unhealthy		n=2	↔ = 5	↔ =	↔ =	↔ = 4		↔ = 2
FB/competitive food	n=4	= = 5	• =	• =	• = 1	= 3		• =
laws	4, MA2	-= 21	-=34	- = 43	-= 44	-= 30	-= 44	-= 31
		↑ = 3						
		↓ =	↑ = 1	↑ = 1	↑ =	↑ =		↑ =
		\leftrightarrow = 1 MA,	↓ =	↓ =	↓ =	↓ =	cost	↓ =
		n=1	↔ =	↔ =	↔ =	↔ = 1	effective	↔ = 1
Nutrition	n=15,	• = 6	• =	= 2	• =	• =	= 1	• =
standards/guidelines	MA1	- = 5	-= 14	-= 12	- = 15	- = 14	- = 14	_ = 14
Multicomponent		↑ = 6	↑ = 1	↑ =	↑ =	↑ =		↑ = 1
nutrition policy		↓ =	↓ =	↓ =	↓ =	↓ =		↓ =
(including several		↔ = 2	↔ =	↔ =	↔ =	↔ = 1		↔ =
nutrition		• = 1	• =	• =	• =	• = 2		• =
components)	n=13	-= 4	-= 12	- = 13	- = 13	-= 10	- = 13	- = 12
		↑ = 20	↑ =	↑ =	↑ =	↑ =		↑ = 4
		↓ = 2	↓ =	↓ =	↓ =	↓ =		↓ =
		_↔ = 3	↔ =	↔ =	↔ =	↔ = 2		↔ =
Unspecified/broader	n=4	= = 4	• =	• =	• =	• = 1		= 12
nutrition policy	4	- = 15	-= 44	-= 44	-= 44	-= 41	-= 44	-= 28
PA/PE policies (N=62)								

			I .	1		1	1	1
Standards/guidelines		↑ =	↑ =	↑ =	↑ = 2	↑ = 3		↑ = 1
/policies for PE		↓ =	↓ =	↓ =	↓ =	↓ =	cost	↓ =
classess/PA in		↔ =	↔ =	↔ =	↔ = 1	↔ = 6	effective	↔ =
curriculum/schoolda		• = 1	• =	• =	• = 4	• = 11	= 1	• =
y (n=27)	n=27	- = 26	-= 26	-= 26	-= 20	-= 7	-= 26	-= 26
Provision of								
increased PA		↑ =	↑ =	↑ =	↑ =	↑ =		↑ = 2
opportunitites/enviro		↓ =	↓ =	↓ =	↓ =	↓ = 1		↓ =
nmental changes		↔ =	↔ =	↔ =	↔ =	↔ =		↔ =
within and near		• =	• =	• =	• = 1	• =		• =
schools	n=4	_= 4	-= 4	-= 4	-= 3	-= 3	_ = 4	-=2
		↑ =	↑ =	↑ =	↑ = 1	↑ =		↑ =
		↓ =	↓ =	↓ =	↓ =	↓ =	Not cost	↓ =
		↔ =	↔ =	↔ =	↔ =	↔ =1	effective	↔ =
Active transport		• =	• =	• =	• =	• =	= 1	• =
(n=2)	n=2	- = 2	-=2	-=2	-=1	- = 1	- = 1	-=2
Multicomponent		↑ =	↑ =	↑ =	↑ = 2	↑ = 3		↑ = 7
PA/PE policy		↓ =	↓ =	↓ =	↓ =	↓ = 1		↓ =
(including several		↔ =	↔ =	↔ =	↔ = 2	↔ = 1		↔ = 2
PA/PE components)		• =	• =	• =	= = 3	• = 6		• =
(n=17)	n=17	- = 17	- = 17	- = 17	- = 10	- = 6	- = 17	-=8
		↑ =	↑ =	↑ =	↑ = 3	↑ = 2		↑ =
		↓ =	↓ =	↓ =	↓ = 1	↓ =	Cost	↓ =
		↔ =	↔ =	↔ =	↔ = 1	↔ =1	effective	↔ =
Unspecified/broader		• =	• =	• =	= = 3	• = 7	= 1	• =
PA/PE policies	n=12	- = 12	-= 12	-= 12	-= 4	-=2	- = 11	-= 12
Multicomponent								
policies (N=106)								
		_↑ = 4	↑ = 1	↑ =	↑ = 9	↑ = 25		_↑ = 6
		↓ =	↓ =	↓ =	↓ =	↓ = 1	Cost	↓ =
		↔ = 8	↔ =	↔ =	↔ = 3	↔ = 17	effective	↔ =
	n=10	= = 10	• =	• =	• = 12	• = 43	= 6	• = 1
All grouped (n=106)	6	- = 84	-= 105	- = 106	-= 82	-= 20	- = 100	-= 99
				-				

Signs used in table:

† = positive significant results (e.g. increased consumption of FV, decreased overweight, increased PA behaviour, positive environmental changes etc.)

- ↓ = Negative significant results (e.g. decreased FV consumption, increased BMI, decreased PA behaviour, negative environmental changes etc.)
- → = Mixed results (e.g. positive results and negative results,
 negative/positive results and non-significant results)
- = Non-significant results (no change in consumption, overweight, PA behaviour or environmental surroundings etc.)
- = Studies not reporting on outcome

n=10, MA2: indicates the total numbers of studies within a category equal 10 and 2 of those studies are results from the pooled results in a meta-analysis.