

CoDiet

COMBATTING DIET RELATED NON-COMMUNICABLE DISEASE THROUGH ENHANCED SURVEILLANCE

D6.1 Report on update to Food-EPI assessments describing policy scenarios

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	countries						
Task Leader	Sciensano						
Prepared by	Jessie Van Kerckhove and Stefanie Vandevijvere - Sciensano						
Contributors	Franco Sassi – ICL						
	Marco Silano and Valentina De Cosmi – ISS						
	Josep Antoni Tur Mari and Cristina Bouzas – CIBER						
	Marit Priinits - National Institute of Health Development, Tallinn						
	Päivi Mäki - Finnish Institute of Health and Welfare, Helsinki						
	Tiina Laatikainen - University of Eastern Finland and the Finnish Institute of						
	Health and Welfare						
	Maria João Gregório, Joana Carriço and Inês Castela - Directorate-General of						
	Health of Portugal						
	Monika Robnik and Mojca Gabrijelčič - National Institute of Public Health of						
	Slovenia						
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Foreword

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Project Coordinator:

Itziar Tueros – <u>itueros@azti.es</u> | AZTI |

WP6 Leader:

Franco Sassi – f.sassi@imperial.ac.uk | PARTNER |

Task Leader:

Stefanie Vandervijvere - <u>stefanie.vandevijvere@sciensano.be</u> | PARTNER

Jessie Vankerckhove - jessie.vankerckhove@sciensano.be | PARTNER |

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List of abbreviations

Composition
WHO European Childhood Obesity Surveillance
Initiative
Directorate-General of Health
European Health Interview Survey
Health Food Environment Policy Index
Front-of-Pack
Health Behaviour in School-aged Children
Health System Performance Assessment
Joint Action on Nutrition and Physical Activity
Non-communicable diseases
National institute for health development
(Estonia)
Publicidad, Actividad, Obesidad y Salud
(Advertising, Activity, Obesity and Health)
Policy Evaluation Network
Provision
Science and Technology in childhood obesity



Executive summary

The CODIET deliverable (D6.1) reports on the analysis of the design and implementation of different policies regarding food composition, marketing restrictions to children, labeling of food products, fiscal policies, as well as the monitoring and evaluation practices in several European countries, and their linkages with health inequalities This deliverable is for task 6.1: Benchmarking and analysis of policies to improve diets in six EU countries. This task builds on the policy benchmarking work undertaken in the H2020 Science and Technology in childhood Obesity (STOP) and Policy Evaluation Network (PEN) project, utilizing the Health Food Environment Policy Index (Food-Epi) across 11 European countries between 2019 and 2021.

The six countries' national public health agencies provided, with the help of Sciensano, an update of the evidence on the design and implementation of selected good practice policy indicators part of the Food-EPI, diving into two areas that are especially relevant in CoDiet: (1) an assessment of the extent to which the design of policies is targeted to addressing the dietary dimensions most closely linked with NCD risk in the countries of interest and (2) an assessment of the surveillance approaches countries have put in place to monitor policy impacts. Based on these data, Sciensano will develop a range of policy scenarios combining the strengths of approaches adopted in the countries observed in several key policy areas, for evaluation in task 6.3.

Most countries have some policies in place with regards to composition of foods (mostly in regards to the nutrients of concern in packaged foods (COMP1), a FOP-label (LABEL3), a form of taxation of sugar-sweetened beverages (PRICES2), restrictions on marketing of unhealthy foods towards children on different platforms (PROMO1-5) and regulations around provisions in different settings (school, PROV1 and public settings, PROV2). It is notable that most of these policies rely on a voluntary, co-regulated or self-regulated basis. Only a few policies are mandatory, like those targeting marketing to children (Portugal, Slovenia, Estonia and Spain), salt in certain bread and bread-related products (Portugal, Slovenia, Spain) or mandatory labeling if a product is high in salt (Finland) or nutritional content of meals provided in schools or other settings (Portugal, Estonia and Slovenia). Many of them are not monitored frequently, making it hard to evaluate the impact of these regulations.

Based on the information provided, we selected the best available policies implemented across multiple countries to take with us in the next phase. These will be composition 1, specifically focusing on the mandatory policies around salt, prices 2, promotion (specifically 1,2 and 4) and provision 1. The indicator label 3 on FOP labeling was not taken into the next phase, as this is a discussion that is currently taken place on higher levels within Europe. Composition 1, and then specifically salt, was chosen since some countries indicate that they have mandatory regulations in place for specific sectors (baking sector) or products (bread and bread products). In comparison, Finland uses in this case the mandatory label high in salt. It should thus be interesting to see if these have an impact in salt intake in a population. Prices 2, specifically taxation of sugar sweetened beverages, was chosen as all 6 countries have some form of taxation in place. Estonia, Finland and Spain specifically have a food group based tax on sugary/sweetened drinks (Estonia and Finland in the proposition/development phase, Spain in the implementation phase). In Spain this resulted in an increase of the tax from 10% to 21%. The other countries have nutrient based taxes on sugar or sweeteners (only in Portugal implemented). In Portugal, this resulted in an excise tax. Slovenia has a



proposition for an ad valoram tax and a sales tax aimed at consumers, and Italy has developed an excise tax and sales tax aimed at consumer, which would result in an increase in retail price of 50%. The implementation of this taxation is on hold and scheduled after 01/07/2025. Comparing the effectiveness of the different measures of taxation can be taken into account during further analysis. Promotion was taken into account, and then mainly tv and radio (PROMO1) and settings where children gather (PROMO4), because these continue to be places where children are highly exposed to unhealthy foods. A closer look is also taken at social media advertisements (PROMO2), however, it should be noted that this is also partly EU responsibility, making it a more complex puzzle for the nations to implement certain restrictions. There are countries (Portugal, Slovenia and Spain) who are actively looking into regulating social media advertisements. And lastly, provision in schools was taken into account as the different countries have different approaches (universal free meals, subsidized meals for lower SES groups, no regulations) and it is worth exploring the most beneficial approach in simulation.



Introduction

It is irrefutable that unhealthy dietary patterns, rich in sugar, saturated fat and salt and low in vegetables, wholegrains and fruits, play a vital role in the development of non-communicable diseases (1). In the European Union, NCDs represent one of the biggest burdens for public health (80%), making them the leading cause of avoidable premature deaths (2). In addition, NCDs are accompanied with substantial direct and indirect costs on the healthcare system (3). NCDS are also highly preventable diseases. It is estimated that, by using a holistic approach and tackling health inequalities across Europe will contribute to a decrease in NCD-disease burden by 70% (2).

It should be noted that the decision of eating unhealthy is not merely an individual choice. There are a number of other factors linked to this decision, like the food environment (4). The concept of the food environment encompasses a number of elements, such as the politics (subsidies and regulations), the economy (food affordability) and the structure (for example, the marketing) (5).

It is also known that certain groups are more vulnerable for unhealthy diets compared to others. People with a lower socio-economic status have been consistently observed to have on the one hand reduced access to healthy foods in an affordable manner and on the other hand higher exposure to unhealthy marketing (6,7). In designing policies, these people are often hit either the hardest (for example, by increase of taxation) or affected the least, continuing their exposure to unhealthy foods. This combination ensures that lower income populations have a higher risk of developing NCDs throughout their life course (7).

There has been a growing interest to monitor and evaluate food environments and policies around the world. In addition, there is also a growing recognition of the importance of personalized nutrition. There is thus a delicate balance between the individual and its surroundings. Whilst national governments cannot directly influence individual choices regarding food, there are several options (highlighted in the work of the Healthy Food Environment Policy Index) they can take to better the food environment and indirectly influence people's eating behaviour (4). Examples of these policies are composition targets in processed foods for the nutrients of concern (trans fats, saturated fats, added sugars and salt), marketing restrictions of unhealthy foods towards children, policies in schools to promote healthy food choices, front-of-pack labeling and taxation measures. The aim of this task was to evaluate these policy options over 6 different countries, with an additional focus on monitoring and evaluation provisions of these policies (implementation, adherence and effectiveness on health, diet, environment and cost) and an equity-focus, as it was stated above that policies are often, unintentionally, contributing to the widening gap of health inequalities.



Methods

Based on the work that was previously conducted for the STOP and PEN projects, a selection of relevant policy domains/indicators for update in CoDiet was made using a consensus-approach between different countries. For each of these indicators, a policy-mapping template was developed by Sciensano in order to obtain relevant information about each of the current policies within the different policy domains. In addition, a separate template was developed for monitoring and evaluation practices related to the different policy domains in the partner countries.

1. Included domains and indicators

The following policy-domains and related good practice policies were included in the mapping process:

Food composition

Composition 1 (COMP1): Food composition targets/standards/restrictions have been established by the government for the content of the nutrients of concern (trans fats, added sugars, salt, saturated fat in industrially processed foods), in particular for those food groups that are major contributors to population intakes of those nutrients of concern.

Composition 2 (COMP2): Food composition targets/standards/restrictions have been established by the government for the content of the nutrients of concern (added sugars, salt, saturated fat) in meals sold from food service outlets, in particular for those food groups that are major contributors to population intakes of those nutrients of concern.

Food labeling

Label 3: One or more interpretive, evidence-informed front-of-pack supplementary nutrition information system(s) endorsed by the Government, which readily allow consumers to assess a product's healthiness, is/are applied to all packaged foods (examples are the Nutri-Score and traffic lights)

Label 4: A simple and clearly-visible system of labelling the menu boards of all quick service restaurants (i.e. fast food chains) is applied by the government, which allows consumers to interpret the nutrient quality and energy content of foods and meals on sale.

Food promotion

Promo 1-5:

PROMO1

Effective policies are implemented by the government to restrict exposure and power of promotion of unhealthy foods to children including adolescents through broadcast media (TV, radio). PROMO2

Effective policies are implemented by the government to restrict exposure and power of promotion of unhealthy foods to children including adolescents through online and social media

PROMO3

Effective policies are implemented by the government to restrict exposure and power of promotion of unhealthy foods to children including adolescents through non-broadcast media other than packaging and online/social media

PROMO4

Effective policies are implemented by the government to ensure that unhealthy foods are not





commercially promoted to children including adolescents in settings where children gather (e.g. preschools, schools, sport and cultural events).

PROMO5

Effective policies are implemented by the government to ensure that unhealthy foods are not commercially promoted to children, including adolescents, on food packages.

Food provision

Provision 1 (PROV1): The government ensures that there are clear, consistent policies (including nutrition standards) implemented in schools and early childhood education services for food service activities (canteens, food at events, fundraising, promotions, vending machines, etc.) to provide and promote healthy food choices.

Provision 2 (PROV2): The government ensures that there are clear, consistent policies in other public sector settings for food service activities (canteens, food at events, fundraising, promotions, vending machines, public procurement standards etc.) to provide and promote healthy food choices.

Food prices

Prices 1: Taxes or levies on healthy foods are minimized to encourage healthy food choices (e.g. low or no sales tax, excise, value-added or import duties on fruit and vegetables).

Prices 2: Taxes or levies on unhealthy foods (e.g. sugar-sweetened beverages, foods high in nutrients of concern) are in place and increase the retail prices of these foods by at least 10% to discourage unhealthy food choices, and these taxes are reinvested to improve population health

And the, in addition, a part on monitoring and evaluation

MONIT1

Monitoring systems, implemented by the government, are in place to regularly monitor food Environments (especially for food composition for nutrients of concern, food promotion to children, and nutritional quality of food in schools and other public sector settings), against codes / guidelines / standards / targets

MONIT2

There is regular monitoring of adult and childhood nutrition status and population intakes against specified intake targets or recommended daily intake levels

MONIT3

There is regular monitoring of adult and childhood overweight and obesity prevalence using anthropometric measurements

MONIT4

There is regular monitoring of the prevalence of NCD metabolic risk factors and occurrence rates (e.g. prevalence, incidence, mortality) for the main diet-related NCDs

MONIT5

Major programs and policies are regularly evaluated to assess their effectiveness and contributions to achieving the goals of the nutrition and health plans

MONIT6

Progress towards reducing health inequalities or health impacts in vulnerable populations and social and economic determinants of health are regularly monitored



2. Information of interest

The template was developed using literature and predetermined points of interest that could guide the simulation process for task 6.3. The survey then used different parts to organize the information that needs to be gathered and analyzed.

Part 1: is there evidence found, and if yes, who's the responsible government + related committees that developed/implemented the policy, what is contained in the policy, what is the stage of the policy, is it linked to population intake targets, and lastly the official start of the adoption and implementation.

Part 2: are there specific monitoring and evaluation provisions present for this specific policy, are there funding provisions and/or enforcement provisions.

Part 3: what is the impact and policy effectiveness (how will it be measured and what is already known) in 4 domains: health, diet, environmental and cost.

Part 4: general questions regarding equity, awareness, public support and possible negative consequences.

3. Policy implementation, monitoring and impacts

The analyses of the different policies was executed by Sciensano based on the input of the partner countries themselves. Using the input, the answers were compared in the different policy domains, to see which countries excel in certain domains and how they have designed the policy to be effective.

4. Equity, negative consequences and awareness

Also of particular interest in CoDiet, is a more individual approach. As task 6.1 encompasses policies, generally not aimed at the individual, estimating the impact on every individual is extremely difficult. It is however possible to assess the equity aspect of policies. Is the policy implemented based on the principles of universal proportionalism, as to not contribute to existing disparities, or was the equity aspect rather neglected, not taking into account that health disparities could increase. In addition, possible negative consequences of a certain policy are also investigated (known ones or estimated ones). Lastly, awareness and public support for each of the policies was investigated.



Results

1. Composition 1

As found in table 1, all countries have specific policies to improve the composition of the food supply, with regards to the nutrients of concern (trans fats, added sugars, salt/sodium and saturated fats) in place. However, most of the countries rely on a voluntary approach (Slovenia, Spain and Italy have industry self-regulation, or are on track to develop one, like Estonia. Finland and Portugal rely on co-regulation, with the exception of salt, which are mandatory standards).

For trans fats, there is now a European regulation that the maximum level must not exceed 2g per 100g of total fats. All countries take this approach, but none of them have a more strict national regulation. Portugal indicated that they do have the co-regulation in place where the aim goes towards zero grams of trans fats, but there is no monitoring in place to assess whether companies are actively trying to achieve this zero-target. Spain indicated that there is a commitment in place to reduce trans fats beyond the targets set at European level in the baking sector, but here also there are no monitoring mechanisms in place to assure that the baking sector is gradually eliminating trans fats from their products.

For added sugars, there is an overall focus to reduce the sugar content, especially in products that are consumed frequently by children (breakfast cereals, milk products, bakery products and soft drinks for example). Even though all countries have these targets in place, there was no assessment of the impact and/or policy effectiveness of these voluntary commitments, with the exception of Portugal. Portugal has monitoring mechanisms in place, where they measured between 2018 and 2021 an overall reduction of 11.1% of average sugar content in food groups included in the agreement, with soft drinks having a 16.5% reduction, the largest of the monitored food groups. It is estimated that, in Portugal, during the time period, there was an overall reduction of 6256.1 tons of sugar in the included food groups.

For salt, some countries have mandatory standards in place that apply specifically for the baking sector, for bread and bread products (Portugal, Slovenia, Spain). In addition, there are voluntary agreements, both within the baking sector to further reduce the salt content (Portugal) as with other companies for a range of processed foods. Finland uses the label "high in salt" (which is mandatory to put on the package) for a set of products, like cheeses, sausages, fish products, bread, breakfast cereals, ready meals and snack products. There are specific limits set for the high salt content of these different food products. Between 2018 and 2021 in Portugal, there was a global reduction of 11.5% of average salt content in food groups included in the agreement (potato chips and savory snacks, breakfast cereals and pizzas), with pizzas having a 22.3% reduction. For saturated fats, only in Spain and Finland there are currently guidelines or commitments with regards to the reduction of saturated fats. In Finland, the national Nutrition Recommendations and the separate Responsible Food Service Procurement Guide (2021) include the nutrition criteria for saturated fats in different components of a meal. Standards are in place for sauces, soups and porridge, pastas, risottos and pizzas, side dishes, mashed potatoes, bread spread and salad dressings. In Spain, focus is given to reduction of saturated fats in dairy products, such as yoghurt and cheeses.



Table 1: data collected on composition 1 by the different countries (parts 1-3)

	Estonia	Finland	Italy	Portugal	Slovenia	Spain
Evidence + Which	Yes: Added sugars, Salt	Yes: Salt Saturated fats	Yes: Sugars, Saturated fats,	Yes: Trans fats Salt	Yes: Added sugars, Salt	Yes: Added sugars, Salt
nutrients of concern	Saturated fats		Salt	Added sugars	(lodization of salt)	Saturated fats
Responsible	Ministry of social affairs in cooperation with NIHD and other related ministries (+ industry consultation)	Ministry of Agriculture and Forestry Ministry for Social Affairs and Health The Finnish Food authority and the National Nutrition Council of Finland	Ministry of Health	Ministry of Health (through the Directorate-General of Health - DGS	Ministry of Health and Ministry of Agriculture, forestry and food + committee to monitor the "commitment to responsibility"	Ministry of Health Spanish agency for food safety and nutrition (ASEAN) Spanish agency for medicines and health products Spanish federation of societies of nutrition, food and Dietetics Spanish national research council
Stage	In development	Implementation	Implementation	Implementation & Evaluation	Implementation	Implementation
Type of regulation	Voluntary nutrition standards	Mandatory nutrition standards through regulation (salt) Voluntary nutrition standards (saturated fats)	Industry self- regulation The Ministry of Health invited the private sector to reformulate their product, without	Nutrition standards through co- regulation	Industry self- regulation (exemption: iodization – mandatory)	Industry self- regulation / voluntary standards



			setting any threshold			
Trans fats	Only the European regulation: Commission Regulation (EU) 2019/649 restricts the trans-fat content of industrial food products.	Only the European regulation: Commission Regulation (EU) 2019/649 restricts the trans-fat content of industrial food products.	Only the European regulation: Commission Regulation (EU) 2019/649 restricts the trans-fat content of industrial food products.	DGS has signed a coregulation agreement for the reformulation of processed foods with the Federation of Portuguese Agrifood Industries and the Portuguese Association of Distribution Companies, setting voluntary targets for reducing trans-fatty acids in a range of processed foods, in addition to the European regulation	Only the European regulation: Commission Regulation (EU) 2019/649 restricts the trans-fat content of industrial food products.	Ministry of Health: Law 17/2011 on Food Safety and Nutrition in its article 43 establishes that: In industrial processes in which "trans" fatty acids can be generated, the responsible operators will establish the appropriate conditions that allow minimizing their formation, when intended for food, either individually or as part of the food composition; They will require their suppliers to provide information on the content of "trans" fatty acids in the foods or raw materials they provide and will have information regarding the content of "trans" fatty acids in their products available to the administration.



		These we suit a surface
		These requirements
		will not apply to
		products of animal
		origin that naturally
		contain "trans" fatty
		acids.
		Spanish agency for
		food safety and
		nutrition (AESAN)
		developed the
		collaboration plan to
		improve the
		composition of food
		and beverages and
		other measures 2020
Specifics	Includes fats and	Commitment to
	spreads for	reduce trans fats in
	manufacturing food	the baking industry:
	products	The baking industry
		could establish a
	Linked to population	sector agreement to
	intake targets, with	gradually eliminate
	a relevant intake	trans fats from baked
	target of almost	goods, such as bread
	zero	and biscuits. This
		could be achieved by
	Part of a	substituting
	multisectoral effort	ingredients containing
	to reformulate the	trans fats with
	nutritional	healthier alternatives.
	composition of	These commitments
	processed foods	go beyond the
	with the aim to	European regulations.



				reduce obesogenic environments and diets associated NCDs		
Monitoring	Not included in the national monitoring plan – only occasional surveillance	Monitoring is performed for example through the inspection data of the food control inspection disclosure system	Not present	Not present	Not present	During 2015, a study was carried out on the content of trans fatty acids (TFA) in foods in Spain. The content of TFA, total fat and the percentage of TFA with respect to total fat in 277 foods has been analyzed
Funding	No	No	No	No	No	No
Enforcement	No	No	No	No	The competent authority responsible for the implementation of Union rules on the safety of food of non-animal origin at all stages of production, processing and distribution, as well as for the safety of food in catering, institutional and workplace catering establishments, is the administration	No



I can be considered that I	Impact and policy effectiveness			There are no data available on impact and policy effectiveness	A fine between EUR 2000 and EUR 10.000 for legal entity; between EUR 800 and EUR 5000 for private entrepreneur and between EUR 200 and EUR 1000 for responsible person of legal entity or private entrepreneur	Most of the food groups analyzed have a TFA content and percentage of less than 2% with respect to total fat. In some food groups there is a decrease in TFA content compared to those found in 2010. No statistically significant increases in TFA content have been found in any of the food groups analyzed. Therefore, in Spain, it can be considered that
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						from a public health approach the TFA content does not represent any serious problem, and the TFA content in foods has a decreasing trend, and the levels are expected to be increasingly lower, until its practical disappearance.
Added	Yes	Yes	Yes, industry	Yes	Commitments by	Commitment to
sugars	Food reformulation – targets have been set according to the guidelines agreed upon in the EU working groups	Added sugar is targeted only in the Nutrition Commitment	self-regulation	DGS has signed a coregulation agreement for the reformulation of processed foods with the Federation of Portuguese Agrifood Industries and the Portuguese Association of Distribution Companies, setting voluntary targets for reducing sugar in a range of processed foods	the soft drink sector	reduce added sugars as part of a self- regulation code
Specifics	Decrease of the	The Nutrition	The Ministry of	Reduction of 10%	In 2020 additional	Agreement between
	content of sugars by	Commitment is a	Health invited	sugar in breakfast	Responsibility	the beverage industry



10% by 2026 and by 15% by 2030, with 2018 as the benchmark level benchmark level benchmark level benchmark level products, bakery products, breakfast cereals, soft drinks, meat products and plant-based alternatives to milk and meat products and plant-based children consume these the most) The aim is to reach an agreement with the industry by spring 2024. The exact date of adoption and the start of implementation are unknown at the moment. Objective Included: milk products, breakfast cereals, soft drinks, and sector to reformulate their product, without stakeholders to one whether the improve the nutritional quality of the Finnish operating and an areduction of 7% in fruit nectars by 2023 (8) Included: soft drinks by 59% by the end of 2025 soft drinks by 59% by the end of 2025 soft drinks by 59% by the end of 2025 soft drinks by 59% by the end of 2025 soft drinks by 59% by the end of 2025 soft drinks by 59% by the end of 2025 soft drinks by 59% by the end of 2025 soft drinks by 59% by the end of 2025 soft drinks by 59% by the end of 2025 soft drinks and sodas. A target-oriented and measurable commitment provides an excellent tool for such bodies as companies and corporations to improve their own untritional responsibility The aim is to reach an agreement with the industry by spring 2024. The exact date of adoption and the start of implementation are unknown at the moment. Objective Objective Health related: Reformulation of industrially produced food is one		1	I		I	I	
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meat products and plant-based alternatives to milk and meat products. (Food groups chosen because children consume these the most) The aim is to reach an agreement with the industry by spring 2024. The exact date of adoption and the start of implementation are unknown at the moment. Objective Tobjective Tobjecti		products, breakfast	diet and to encourage			the end of 2025	sugars in sugary
plant-based alternatives to milk and meat products. (Food groups chosen because children consume these the most) The aim is to reach an agreement with the industry by spring 2024. The exact date of adoption and the start of implementation are unknown at the moment. Objective Health related: Reformulation of industrially produced food is A target-oriented and measurable commitment provides commitment provides an excellent tool for sugar in carbonated drinks and sodas. Also commitment to reduce added sugars in products targeted at children, such as breakfast cereals or snacks Health related; Part of a multisectoral effort to reduce the amount of sugar in carbonated drinks and sodas. Also commitment to reduce the amount of sugar in carbonated drinks and sodas. Also commitment to reduce the amount of sugar in carbonated drinks and sodas. Also commitment to reduce the amount of sugar in carbonated drinks and sodas. Also commitment to reduce the amount of sugar in carbonated drinks and sodas. Also commitment to reduce the amount of sugar in carbonated drinks and sodas. Also commitment to reduce the amount of sugar in carbonated drinks and sodas. Also commitment to reduce the amount of sugar in carbonated drinks and sodas. Also commitment to reduce the amount of a hallo commitment provides in products targeted at children, such as breakfast cereals or snacks Belling the food of the food of the produce the amount of an untitient of a multisectoral and the start of an untitient of a multisectoral and the start of an untitient of an untitient of an untitient of a multisectoral and the start of an untitient		cereals, soft drinks,	nutritionally				drinks. This could
alternatives to milk and meat products. (Food groups chosen because children consume these the most) The aim is to reach an agreement with the industry by spring 2024. The exact date of adoption and the start of implementation are unknown at the moment. Objective Health related: Reformulation of industrially produced food is Reformulation groups chosen because children rovides an excellent tool for sugar in carbonated drinks and sodas. Also commitment to reduce added sugars in products targeted at children, such as breakfast cereals or snacks Reformulation of industrially produced food is Reformulation to reduce added sugars in products targeted at children, such as breakfast cereals or snacks Reformulation of industrially produced food is		meat products and	responsible practices.			Included: soft	involve commitments
and meat products. (Food groups chosen because children consume these the most) The aim is to reach an agreement with the industry by spring 2024. The exact date of adoption and the start of implementation are unknown at the moment. Objective Health related: Reformulation of industrially produced food is Commitment provides an excellent tool for such bodies as companies and corporations to improve their own nutritional responsibility The aim is to reach an agreement with the industry by spring 2024. The exact date of adoption and the start of implementation are unknown at the moment. Health related: Health related: Health related: Health related: Part Of a multisectoral effort to reduce added sugars in products targeted at children, such as breakfast cereals or snacks Health related: It is a food industry project whose main purpose is		plant-based	A target-oriented and			drinks	to reformulate to
(Food groups chosen because children consume these the most) The aim is to reach an agreement with the industry by spring 2024. The exact date of adoption and the start of implementation are unknown at the moment. Objective Health related: Reformulation of industrially produced food is Reformulation of industrially produced food is Reformulated: Reformulate in a excellent tool for such bodies as companies and corporations to improve their own nutritional requirements on an agreement with the industry by spring 2024. The exact date of adoption and the start of implementation are unknown at the moment. Health related: Reformulated: Reformulate the industry project whose main purpose is		alternatives to milk	measurable				reduce the amount of
chosen because children consume these the most) The aim is to reach an agreement with the industry by spring 2024. The exact date of adoption and the start of implementation are unknown at the moment. Objective Health related: Reformulation of industrially produced food is Reformulation of industrially produced food is Reformulate the most) Such bodies as companies and companies and corporations to improve their own nutritional responsibility Also commitment to reduce added sugars in products targeted at children, such as breakfast cereals or snacks Reformulation are unknown at the moment. Health related: Part of a multisectoral effort to project whose main purpose is		and meat products.	•				sugar in carbonated
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these the most) The aim is to reach an agreement with the industry by spring 2024. The exact date of adoption and the start of implementation are unknown at the moment. Objective Health related: Reformulation of industrially produced food is Corporations to improve their own nutritional responsibility responsibility responsibility responsibility Health related: Reformulation or industrially produced food is Reformulate the most) reduce added sugars in products targeted at children, such as breakfast cereals or snacks Reformulation are unknown at the of a multisectoral effort to reformulate the purpose is		chosen because	such bodies as				
improve their own nutritional responsibility improve their own nutr		children consume	companies and				Also commitment to
The aim is to reach an agreement with the industry by spring 2024. The exact date of adoption and the start of implementation are unknown at the moment. Objective Health related: Reformulation of industrially produced food is Nutritional responsibility Health related: Health related: Reformulation of industrially produced food is Nutritional responsibility Health responsibility Health related: Health related: Health related: Health related: Health related: Health related: Formulate the purpose is		these the most)	corporations to				reduce added sugars
an agreement with the industry by spring 2024. The exact date of adoption and the start of implementation are unknown at the moment. Objective Health related: Reformulation of industrially produced food is Reformulate the			improve their own				in products targeted at
the industry by spring 2024. The exact date of adoption and the start of implementation are unknown at the moment. Objective Health related: Reformulation of industrially produced food is snacks snacks Health related: Health related: Feath re		The aim is to reach	nutritional				children, such as
by spring 2024. The exact date of adoption and the start of implementation are unknown at the moment. Objective Health related: Reformulation of industrially produced food is Health related: Health related: Part of a multisectoral a food industry project whose main purpose is		an agreement with	responsibility				breakfast cereals or
The exact date of adoption and the start of implementation are unknown at the moment. Objective Health related: Health related Part of a multisectoral industrially produced food is Health related: The exact date of adoption and the start of adoption and the start of a multisectoral a food industry project whose main purpose is		the industry					snacks
adoption and the start of implementation are unknown at the moment. Objective Health related: Reformulation of industrially produced food is Health related: Health related: a food industry project whose main produced food is		by spring 2024.					
start of implementation are unknown at the moment. Objective Health related: Health related Seformulation of industrially produced food is Health related: Health related Seformulate the start of a multisectoral project whose main purpose is		The exact date of					
implementation are unknown at the moment. Objective Health related: Health related Seformulation of industrially produced food is Health related: Health related: Health related: It is a food industry project whose main purpose is		adoption and the					
unknown at the moment. Objective Health related: Health related Reformulation of industrially produced food is Health related: Health related: Health related: It is a food industry project whose main purpose is		start of					
moment. Objective Health related: Health related Seformulation of industrially produced food is Health related: Health related Seformulated Seformulated Seformulated: Health related: Health related: It is a food industry of a multisectoral effort to project whose main purpose is		implementation are					
Objective Health related: Reformulation of industrially produced food is Health related: Health related: Health related: It is a food industry project whose main purpose is		unknown at the					
Reformulation of industrially produced food is of a multisectoral a food industry project whose main purpose is		moment.					
industrially effort to project whose main produced food is reformulate the purpose is	Objective	Health related:	Health related		•	Health related: It is	
produced food is reformulate the purpose is						•	
		,				project whose main	
one nutritional		produced food is			reformulate the	purpose is	
		one			nutritional		



	ı	 		
of the keys to		composition of	to achieve food	
improving the		processed foods	improvement	
nutrition of the		with the aim to	objectives. Food	
population. The aim		reduce obesogenic	companies wanted	
of decreasing the		environments and	to contribute to the	
amounts of		diet associated	strategic	
salt, sugar, and		NCDs. According to	objectives of the	
saturated fat is to		the IAN-AF 2015/16	nutrition strategy in	
improve		study, almost one	Slovenia,	
people's diets		quarter of the	especially in the	
(including nutrient		Portuguese	area of improving	
quality) and		population had an	the composition	
thereby the risk of		added sugar intake	of food, and	
diet-related		above the WHO	therefore	
diseases. Estonia		guidelines of 10%	undertook to	
participated in the		total energy intake	implement	
EU project Best-			self-regulatory	
ReMap, which			measures in various	
aimed to improve			areas	
food quality and			(expanding the	
increase the			range of foods with	
availability of			improved	
healthy food.			composition and	
			foods with a better	
			nutritional	
			composition,	
			additional	
			consumer	
			information,	
			promotion of	
			healthy lifestyles,	
			etc.).The aim of	



	1				T
				the project is to	
				improve the	
				composition of	
				food	
				products.	
Monitoring	JANPA and Best-		Yes	Annual progress	
	ReMap		Monitoring process	reports by Chamber	
	methodologies: the		of this co-regulation	of Commerce	
	monitoring is based		agreement for food	Slovenian Chamber	
	on the information		reformulation is	of Commerce and	
	on packaging, the		conducted by	Industry is issuing	
	food contents are		Nielsen, and	annual progress	
	not analyzed		independent entity,	reports on added	
			and is supervised by	sugar content in	
			the Portuguese	products. Progress	
			National Health	report includes	
			Institute .The main	non-alcoholic	
			metrics used to	beverages drinks	
			monitor progress	produced by	
			were the sales-	manufacturers that	
			weighted averages	made a	
			for sugar content in	responsibility	
			each category of	pledge.	
			food products by		
			year, and total		
			volume of sugar sold		
			per year. Food		
			composition data of		
			Portuguese foods is		
			also being		
			monitored by EU-		
			funded projects, in		
			particular by		



				EUREMO and Best-		
				ReMaP Joint Action		
				Recurrent		
				monitoring on		
				annually basis		
Funding	No			No	No	
Enforcement	No			No	No	
Impact and	Estonia has relied			Between 2018 and		
policy	on the evidence of			2021, there was an		
effectiveness	food reformulation			overall reduction of		
	in other counties.			11.1% of average		
				sugar content in		
				food groups		
				included in the		
				agreement, with		
				soft drinks having a		
				16.5% reduction, the		
				largest of the		
				monitored food		
				groups. It is		
				estimated that, in		
				Portugal, during the		
				time period, there		
				was an overall		
				reduction of 6256.1		
				tons of sugar in the		
				included food		
				groups.		
Salt/Sodium	Yes:	Yes:	Yes:	Yes:	Yes:	Yes:
		Regulation by the		DGS has signed a co-		Commitments to



	Early Complete	NATIONAL SALES	1	Letter	C	
	Food reformulation	Ministry of Agriculture	Industry self-	regulation	Commitments from	reduce salt in
	 targets have been 	and Forestry on the	regulation	agreement for the	responsible actors	processed foods
	set according to the	declaration of certain		reformulation of	in the baking sector	At the end of 2008,
	guidelines agreed	foods as high in salt		processed foods	+	the Ministry of Health,
	upon in the EU			with the Federation	Salt iodization	Social Services and
	working groups			of Portuguese Agri-		Equality, through the
				food Industries and		Spanish Agency for
				the Portuguese		food safety and
				Association of		nutrition (AESAN),
				Distribution		developed a Salt
				Companies, setting		Consumption
				voluntary targets for		Reduction Plan (PRCS)
				reducing salt in a		in the population to
				range of processed		reduce morbidity and
				foods		mortality attributed to
						high blood pressure
				Additionally, DGS		and cardiovascular
				has signed a		diseases, with specific
				protocol with the		reduction objectives
				Association of		to progressively
				Bread, Bakery and		achieve the WHO
				Similar Industries to		recommendations
				reduce the salt		regarding salt intake in
				content of bread to		the population
				further than what is		, ,
				established by law		
Specifics	Decrease the	Food packaging must	The Ministry of	For bread, the	5% reduction of	The Spanish
	content of salt by	include the label "high	Health invited	nutrition standards	added salt in bread	Confederation for
	16% by 2026 and by	in salt" or "contains a	the private	are mandatory,	by the end of 2022	bakery Organizations
	24% by 2030. 2018	lot of salt" if the salt	sector to	maximum 1.4	Included: bread and	(CEOPAN) and the
	is the benchmark	content specified in	reformulate their	gram/100 g of bread	bread products	Spanish Association of
	level	the regulation is	product, without	(by law, 2009) –	'	Frozen Dough
		exceeded.	,	, , ,		Manufacturers



Include	led: milk		setting any	target 1g/100g	Linked to	(ASEMAC) agreed with
	icts, bakery	The National Nutrition	thresholds	(2021)	Resolution on the	the Ministry of Health
'	icts, breakfast	Recommendations and		(- /	National	in 2004 to reduce the
'	ls, meat	the separate		Others are voluntary	Programme on	percentage of salt
	icts and plant-	Responsible Food		Targets put forward	Nutrition and	used in the production
	alternatives	Service Procurement		Potato chips: 12%	Physical Activity for	of bread, which would
to milk	k and meat	Guide (2021) include		reduction by 2022	health 2015-2025,	go from 22g of
/produ	ucts	the nutrition criteria		Breakfast cereals:	target 10g/day	NaCl/kg of flour up to
		for salt content of		10% reduction by	<i>o o,</i> ,	a maximum of 18g of
		different components		2022, in kids' cereals	Adopted in 2019	NaCl/kg of flour over a
		of a meal.		max 1g/100g		period of four years,
				Ready-to-eat soups:	+	decreasing at a rate of
		Contains the following		0.3g//100g by 2023	Products shall be	one from each year.
		food groups		Pizzas: 10%	manufactured in	AESAN in 2012
		- Cheeses with more		reduction by 2022	accordance with	reached an agreement
		than 1.4 weight		Ready-to-eat meals:	the provisions of	with the Spanish
		percent		0.9g/100g by 2023	this regulation no	Confederation of Meat
		- Sausages with more			later than two	Retailers (CEDECARNE)
		than 2.0 weight		All aimed at the	years after the	and the Association of
		percent		population intake	official start of	Manufacturers and
		- Other processed		target of maximum	adaptation (May	Marketers of Food
		meat products used as		5g of salt / day for	2018)	Additives and
		cold cuts with more		adults		Supplements (AFCA)
		than 2.2 weight			Edible salt shall be	for a 10% reduction in
		percent		Health related; The	iodized with 25 mg	the content over the
		- Bread with more than		excessive salt intake	of potassium iodide	next 2 years, average
		1.1 weight percent		is one of the biggest	per 1 kg of salt or	salt and 5% of the
		- Crispbread and		public health risks in	32 mg of potassium	average fat content in
		hardtack with more		Portugal, as it is	iodate per 1 kg of	various butchery and
		than 1.4 weight		associated with the	salt	delicatessen products
		percent		development of a		manufactured and
				ser of chronic		sold in retail stores.
				diseases, namely		AESAN in 2015 signed



	- Breakfast cereals with more than 1.4 weight percent - Ready meals and ready-to-eat meal components with more than 1.2 weight percent - Snack products with added salt with more		cardiovascular diseases which are the leading cause of death in the country. According to the latest National Food, Nutrition and Physical Activity Survey (2015/16),		an agreement with the Association of Snack Manufacturers (AFAP) of Spain by which the sector has committed to an additional 5% reduction in the average salt content in chips and snacks over the next five years.
	than 1.4 weight percent These weight percentages are based on population intake targets, that aim at a recommended salt intake of less than 5 grams per day		the average daily salt intake by adults in Portugal was 7.3g, above the recommended maximum of 5.0g by the WHO. Additionally, data from the 2019 Global Burden Disease shows that, of the dietary risk factors, salt consumption is the one that most contributes to the loss of years of healthy life.		Limit of salt content in common bread established in the Bread Quality Standard (2019) to 1.31 grams per 100 grams in bread. Some companies may publicly commit to gradually reducing the salt content in their processed products
JANPA and Best- ReMap methodologies: the monitoring is based on the information	Monitoring is performed for example through the inspection data of the food	Not present	Monitoring process of this co-regulation agreement for food reformulation is conducted by	Monitoring is occasionally carried out as part of research programs.	Spanish agency for food safety and nutrition (AESAN) assessed salt content



Funding	on packaging, the food contents are not analyzed	control inspection disclosure system Recurrent analysis Salt intake is regularly measured in national population based health and nutrition surveys.		Nielsen, an independent entity, and is supervised by the Portuguese National Health Institute (INSA). The main metrics used to monitor progress were the salesweighted averages for salt and sugar content in each category of food products by year, and total volume of sugar and salt sold per year. Food compostion data of portuguese foods is also being monitored by EU-funded projects, in particular by EUREMO and Best-ReMaP Joint Action.	Monitoring of Commitments from responsible actors in the baking sector is held by Chamber of Commerce	in foods in Spain in 2009 and 2012 Data are available through the AESAN website (9)
Funding	No	No	/	No	No	No
	No	No	/	No	No	No
Impact and	Estonia has relied	In general, the salt	/	Between 2018 and	Effectiveness is	Spanish agency for
policy	on the evidence of	intake in Finland and		2021, there was a	monitored by	food safety and
effectiveness	food reformulation	also blood pressure		reduction of 11.5%	consumption	nutrition (AESAN)
	in other counties.	levels have remarkably		of average salt	(dietary intake) and	assessed salt content



		declined since 1980, but it is hard to evaluate how big the impact of such regulation and policies have been. Salt intake is regularly measured in national population based health and nutrition surveys		content in food groups included in the agreement (potato chips and savory snacks, breakfast cereals and pizzas), with pizzas having a 22.3% reduction. It is estimated that, in this time period, there was a global reduction of 25.6 tons of salt in the included food groups.	measured using excreted sodium in 24h urine Data for 2022/2023 are not officially published yet, but are expected July/August 2024.	in foods in Spain; in 2009 and 2012. In 2012, the AESAN Plan Cuídate + communication campaign, less salt is more health to raise awareness among the population of the consequences that excessive salt consumption has on health and offer information to citizens so that they can make correct decisions about how to reduce their consumption of salt
Saturated fats	Food reformulation – targets have been set according to the guidelines agreed upon in the EU working groups	The national Nutrition Recommendations and the separate Responsible Food Service Procurement Guide (2021) include the nutrition criteria for saturated fats in different components of a meal.	Industry self- regulation	There are no policies regarding saturated fats	No	Yes



	<u> </u>	N. L. Stranger			Г
		Nutrition Commitment			
		also considers			
		saturated fats			
Specifics	Decrease the	The action			Voluntary
	content of saturated	recommendation from			commitment to a
	fat by 5% by 2026	the Ministry of Social			reduction of saturated
	and by 10% by 2030.	Affairs and Health in			fats in dairy products:
	2018 is the	2010 requires that the			Another company
	benchmark level	criteria for the			could implement a
	Included: milk	nutritional quality of			reformulation
	products, bakery	public food services			program to reduce
	products, meat	are strict and cover the			saturated fats in their
	products and plant-	entire meal.			dairy products, such as
	based alternatives				yoghurts and cheeses,
	to milk and meat	It considers different			through ingredient
	products.	components of meals			substitution or
		including bread spread			changes in the
		and salad dressings			production process.
		Soups and porridge			
		(1g/100g)			
		Pastas, risottos and			
		pizzas (<2g/100g)			
		Sauces (<3.5g/100g)			
		Side dishes pasta			
		(<0.7g/100g)			
		Mashed potatoes			
		(<0.7g/100g)			
		Bread spread (<33%)			
		Salad dressings (<20%)			
Monitoring	JANPA and Best-	Occasional surveys on	Not present		
	ReMap	public food services			
				İ	l



Funding Enforcement Impact and policy effectiveness	monitoring is based on the information on packaging, the food contents are not analyzed No No Estonia has relied on the evidence of food reformulation in other counties	No Saturated fat intake is regularly measured in national population based health and nutrition surveys In general, the intake of saturated fats in Finland and also LDL levels have remarkably declined since 1970s, but it is hard to evaluate how big the impact of such regulations and policies have been			No No
Coherence with other policies	Implementing multiple different policies and interventions is the only possibility to change food environment and decrease diet- related health risks. Food reformulation	Coherence with all other nutrition related policies in Finland	This measure is part of the National Program for Healthy Eating Promotion (PNPAS) and is aligned with axis 1 of the multisectoral Integrated Strategy for the Promotion of Healthy Eating	Resolution on the National Programme on Nutrition and Physical Activity for Health 2015-2025	The codes may also include restrictions on the advertising of unhealthy foods targeting vulnerable groups such as children and adolescents.



is in coherence with	(EIPAS) to "modify
"Estonia 2035"	the environment
strategy, National	where people
Health plan 2020-	choose and buy food
2030, Cancer	by modifying the
Control Action Plan	availability of food in
2021-2030 and the	certain physical
Green Book of	spaces and
Nutrition and	promoting the
Physical Activity	reformulation of
T Hysical Activity	certain categories of
	food". PNPAS is
	national health
	priority program and
	EIPAS is a
	interministerial
	strategy of 7
	different ministries
	(Finance, Internal
	Affairs, Education,
	Health, Economy,
	Agriculture, and Sea
	Ministries). This
	measure is also
	considered in the
	National Strategy for
	Food and Nutrition
	Security.



2. Composition 2

For composition 2, considering the regulation of the content of nutrients of concern in meals sold from food service outlets, there is only one policy present in Finland, specifically with regards to the composition of student meals sold in student restaurants.

Table 2: data collected on composition 2 by the different countries

	Estonia	Finland	Italy	Portugal	Slovenia	Spain
Evidence + specifics	No	Yes There are strictly defined criteria for student meals to meet general health and nutritional quality requirements.	No	No	No	No
		Government Decree (54/2012) on the criteria for supporting the meals of higher education students. The decree is applied when granting the state subsidy referred to in Section 49 of the Student Financial Aid Act (65/1994) to student restaurants to reduce the price of student meals (per meal subsidy). One of the conditions is that the student meals meets general health and nutrition quality requirements.				
		This applies to all catering services for students				



Responsible	The Ministry for Social Affairs	
	and Health	
	Social Insurance Institution	
Stage	Implementation	
Nutrients of concern	Trans fats are solely regulated	
included	through the Commission	
	Regulation (EU)	
	There are specific nutrition	
	There are specific nutrition criteria for salt content of	
	different components of a	
	meal. This also concerns the	
	state subsidy for student	
	meals	
	(Mandatory nutrition	
	standards through regulation)	
Monitoring	Yes	
5	Social Insurance Institution	
	ensures that student meals	
	meet the requirements	
	regarding meal content and	
	pricing. The requirements are	
	based on the decree	
	concerning meal subsidies.	
	Additionally, student meals	
	must comply with the	
	recommendations for higher	
	education student dining	



3. Label 3

For the participating countries, there are 3 main labels that are put forward as possible front-of-pack labels. On the one hand, there is the Nutri-Score, an interpretative label (10) which is used in Spain and recently adopted by Portugal, but also in the introductory phase in Slovenia. On the other hand, there is the Nutri-inform battery in Italy, a non-interpretative label (10–12) which was developed by the Ministry of Health, Ministry of Agriculture and of Food Sovranity, Ministry of Enterprises and Made in Italy. Lastly, Finland uses the Heart symbol, administered by the Finnish Heart Association, which is also an interpretative label. Estonia is waiting for the proposal for a European harmonized FOP, that was promised within the Farm to Fork strategy. The European Commission was supposed to present its draft regulation regarding this in the fourth quarter of 2022. However, so far they have not done it and the future timeline is unknown. Overall, many countries are in favor of establishing a mandatory EU-wide FOP system (e.g. Nutri-Score type of marking) that would help to achieve health, climate and environmental goals. A FOP system would encourage industries to change food composition and it would help consumers make better food choices. If the Commission fails to adopt the draft, Estonia will consider establishing and implementing such a system independently. Portugal has made the decision to adopt the Nutri-Score FOP-label, as, according to recent data, 40% of the population does not understand the nutritional information displayed in food labels (with an even bigger percentage in those with lower levels of education) and there is a 3-5 times higher likelihood of choosing a healthier food product when a supplementary nutrition information system was present (13).

Also in Slovenia, where they are introducing the Nutri-Score, there are some remarks. They noticed that outside of Slovenia, a number of such symbols are used, which are most commonly appearing on the front of the food packaging. They state that the criteria for the allocation of such symbols must be consistent with the dietary guidelines, considering the public health aspects and at the same time must also address the expectations of consumers and the food producers.

In addition, as indicated in COMP1, Finland has also a symbol for products high in salt: The Ministry of Agriculture and Forestry Regulation on the Declaration of Certain Foods as Heavily Salted 1010/2014. The regulation applies to all food intended for final consumers as well as food intended for delivery to institutional kitchens. The packaging of food must bear the label "heavily salted" or "high in salt", if the salt content specified in the regulation is exceeded. The regulation takes into account a new calculation method for salt content based on the total amount of sodium in the food, and therefore the thresholds for heavily salted designation changed when the regulation came into force on December 13, 2016.

Table 3: Data collected on label 3 by the different countries

	Estonia	Finland	Italy	Portugal	Slovenia	Spain
Evidence	No	Yes	Yes: in 2020 Italy	Yes: The Dispatch	Yes: the	Yes, Nutri-Score is
	Waiting for	The Heart Symbol	notified the	n.3637/2024, of April 4 th	introduction of	implemented in
	the	administered by the	European	from the Ministry of Health	the Nutri-Score	Spain
	European	Finnish Heart	Commission a front	establishes the Nutri-Score	is in the	



	initiative on	Association is a label	of package label	system as a public health	preparation	
	FOP,	found on food packaging	scheme called the	measure to promote healthy	phase	
	promised	and in restaurants,	Nutri-Inform	diets (to be implemented	P.1.000	
	within the	indicating that the	Battery. This scheme	within 120 days of	Criteria for	
	Farm to	product or meal is a	is based on the	publication)	using the	
	Fork	healthier option for your	graphical	DGS will lead the adoption	symbol as an	
	strategy	heart. It indicates that	representation of a	process which will include	additional	
		the product is a healthy	battery, whose	hearing public and private	labelling of	
		choice within its own	charged percentage	stakeholders, establishing	foods with	
		category	reflects the rate of	the implementation	better	
		-0- /	the recommended	framework, developing	nutritional	
			daily allowance of	awareness campaigns,	composition	
			energy and the	defining monitoring and		
			above-mentioned	evaluation provisions		
			nutrients provided	•		
			by a serving size of			
			the packed food.			
Responsible		Finnish Heart	Ministry of Health,	Ministry of Health	Ministry of	Ministry of
		Association	Ministry of	DGS	Health	Consumption
			Agriculture and of		National	
			Food Sovranity,		institute of	
			Ministry of		public health	
			Enterprises and of		Slovenia,	
			Made in Italy		Nutrition	
			+		institute,	
			Italian National		Chamber of	
			Institute of Health		commerce,	
			and Council of		Consumer	
			Researcher in		Association of	
			Agriculture		Slovenia	
Stage		Evaluation (the Finnish	Evaluation –	In development	Proposed	Implementation
		Heart Association	ongoing studies on			
			impact assessment			



		evaluates the second				
		policy)				
Type		Voluntary label Interpretative label	Nutrient specific label Non-interpretative label, not mandatory Identifies both healthy and unhealthy food	Nutrient specific label Interpretative Not mandatory	Nutrient specific label Interpretative but not mandatory Identifies both healthy and unhealthy food + Additionally, reference intake is also used	Nutrient specific label Interpretative Not mandatory
Specifics		The heart symbol takes into account the total amount of fat, saturated fat, sugar, salt and fiber. The criteria are different for different food products.	The Nutri-inform Battery gives information on energy, total and saturated fats, sugars and salt, with respect to daily recommended allowances for healthy individuals, as in Reg. 1169/2011	The Nutri-Score system is a front-of-pack food labeling designed to provide consumers with a quick understanding of the nutritional quality of a product. It consists of a five-color and letter scale ranging from A (dark green) for the healthiest foods to E (dark red) for the least healthy.	Contains information on saturated fat, sugar, salt and dietary fiber content	The Nutri-Score system is a front-of-pack food labeling designed to provide consumers with a quick understanding of the nutritional quality of a product. It consists of a five-color and letter scale ranging from A (dark green) for the healthiest foods to E (dark red) for the least healthy.
% of	Imported		5% (Nutri-Inform	Not implemented yet, but	For now, only	Several
products	products		Battery)	some	imported foods	manufacturers and
with label	have the			manufacturers/retailers have	have Nutri-	retailers in Spain
	FOP label			voluntarily applied it to their	Score labels	have chosen to



	414:		T	I manada ata a sana da afa na 11 a		and a rest tile a Nivet si
	that is used			products, even before the		adopt the Nutri-
	within other			dispatch		Score system on
	countries.					their products as
	Some					part of their efforts
	Estonian					to promote
	producers					transparency and
	also use a					informed consumer
	FOP, but it is					choice
	more an					
	exception					
	than a rule.					
	Overall,					
	most					
	products					
	sold on the					
	Estonian					
	market					
	don't have					
	any FOP					
	labelling.					
Monitoring		The Finnish Heart	The producers and	Not defined yet (but part of	Yes, there will	Voluntary
and		Association evaluates	distributors who	the development process)	be a one-time	
evaluation		the number of products	want to use the		survey	
		with the Heart Symbol	Nutri-inform Battery			
		and restaurants using it	on their products			
		in their meals	should notify the			
			adoption to the			
			MoH by email. In			
			addition, a help desk			
			at MoH is available			
			to design the			
			specific Nutri-inform			
			Battery schemes			
					1	1



Funding	No	No	Not defined yet	No	No
Enforcement	No	No	Not defined yet	No	No
Impact and policy effectiveness	The Heart Symbol and GDA are the most known FOP labels among Finnish consumers: 67% of the respondents report being at least somewhat familiar with Heart Symbol and 60% report the same for GDA. By comparison, Nutri-Score and Keyhole are less known in Finland with 7 and 4% awareness rates, respectively (14,15)	It is measured as a percentage of products available on shelves with the Nutri-inform Battery	Not defined yet (but part of the development process)	The symbols labeled foods are more attractive to consumers, and they are also an important element of the labeling, which helps them decide on the food purchase.	
Coherence	In line with other Finnish nutrition policies		This measure is part of the National Program for Healthy Eating Promotion (PNPAS) and is aligned with axis 2 of the multisectoral Integrate Strategy for the Promotion of Healthy Eating (EIPAS) to "improve the quality and accessibility of information available to consumers to inform and empower citizens for healthy food choices".	Resolution on the National Programme on Nutrition and Physical Activity for Health 2015- 2025.	
Public support	Yes	High	According to a Health Impact Assessment (HIA) study,		This voluntary implementation has



The awareness of the		published in 2019, there was	been well-received
Heart Symbol among th	e	a consensus among citizens,	by some consumer
population was assesse	d	experts and stakeholders	groups and public
several years ago.		about the relevance of FoP	health organizations
		labelling as a public health	who see Nutri-Score
		strategy and about the need	as a useful tool for
		of a Government-endorsed	encouraging
		policy on this topic.	healthier eating
		Moreover, according to a	habits.
		study conducted in 2018,	
		77,0% of the Portuguese	
		population agree with the	
		implementation of this	
		measure to promote a	
		healthy diet.	



4. Label 4

Concerning label 4, some countries have indicated that they have a system in place to provide food information of non-prepacked food. However, a specific policy or regulation introduced by government for labelling menu boards of quick service restaurants is not present at the time in any of the countries. Estonia is working on a national regulation, regarding food information for non-prepacked foods, which incorporates three different types: food sold loose in a supermarket, food that is packaged at the consumer's request and food that is sold prepacked for direct sale. One of the amendments would be providing nutritional information for foods (energy and nutrients) sold prepacked for direct sale, and a menu board is one of the options of how to present it. In Slovenia, there is a proposition for promoting the healthy offer in catering establishment offering subsidized student meals, and possibly other catering establishments. This by means of the Right Choice symbol. In theory, quick service restaurants can obtain this label, however, it will be very difficult, as the conditions to achieve these label is to offer at least one nutritionally preferable meal.

Table 4: data collected on label 4 by the different countries

	Estonia	Finland	Italy	Portugal	Slovenia	Spain
Evidence	Yes: requirements to provide food	No	No	No	Yes	No
	information of non-prepacked food				The Right Choice symbol (originated from	There is no specific
	The aim of the draft regulation is to				the "Dober tek, študent" ("Bon appétit,	nationwide
	change the national regulation				Student") project, and was initially	mandatory system for
	stipulating the requirements to provide				introduced in restaurants offering	labeling menu boards
	food information of non-prepacked				subsidized student meals. However,	in quick service
	food. The changes in the regulation				today, any restaurant can apply for the	restaurants, only for
	would apply to food that is prepacked				Right Choice symbol.	allergenics
	(without the presence of the consumer)					
	on the sale premises for direct sale,				To receive certification and the right to	
	including both retail trade and catering				use the Right Choice symbol, a food	
	(e.g. restaurants) with the exemption				service provider must successfully	
	described below regarding small				complete theoretical and practical	
	businesses. The nutrition declaration				training on preparing healthy meals (a	
	should be provided directly near the				three-hour workshop). After receiving the	
	food or at the point of sale on the				symbol, the restaurant must offer at least	
	packaging of the food, on the label				one meal (lunch) daily that meets the	
	attached to it or through a physical				criteria for a healthy choice. These criteria	
	device (e.g. an informal paper sheet). It				relate to the quantity, composition, and	
	could be presented on menu boards				ratio of ingredients. Preference is given to	
					local, seasonal, and organic products, as	



			well as cooking methods that do not harm or reduce the nutritional value of the meal. The use of natural ingredients is encouraged for seasoning, while industrial thickeners and flavor enhancers are limited.	
			Experts from the National Institute of Public Health (NIJZ) review the menu of each restaurant or catering establishment and evaluate the meals based on portion size, food selection, preparation methods, and the added value of selected ingredients (local, organic, seasonal). The menus are assessed through detailed recipes with ingredients and preparation methods (for each dish serving 10 people). The additional value of the used ingredients must also be indicated, referencing qualities like organic, local, seasonal, quality certifications, and fresher options with less fat and salt. The provider must also submit a statement on the added value of the ingredients used to prepare the meals, as well as a certificate of completion for the required training.	
Responsible	Ministry of Regional Affairs and Agriculture		Ministry of Health Chamber of Tourism and Catering of Slovenia Student Organisation, Chamber of Commerce, Chamber of Agricultural and Food Enterprises, National Institute of Public Health	Ministry of Health & Regional Ministries of Health (Autonomous Communities)



Coherence	The planned changes are in accordance with the Public Health Act, which aims to protect public health, prevent illnesses and promote health. The planned changes contribute to achieving the objectives of the Farm-to-Fork strategy and support the food safety objective in the Estonian Agriculture and Fisheries Strategy 2030 (consumers have a high level of food safety awareness and make choices that support their health). The regulation supports the objectives of the ""Estonia 2035"" strategy, including shaping people's attitudes and behaviours so that it preserves health and the environment; encouraging healthy lifestyle choices is an important aspect of the strategy. In addition, the planned changes contribute to achieving sub-objective ""health-promoting choices"" in the National Health Plan 2020-2030 - one solution is to stop the growth rate of overweight and obese people and increase the number of people			
	increase the number of people following the principles of a balanced			
	diet.			
Stage	In development		Proposed	



Specifics	As it is still in development, and now	The Right Choice symbol is awarded only
Specifics	·	
	with a change of Minister it is back at	to specific dishes or combinations of
	phase 1, it is not possible to provide any	verified individual elements of dishes –
	specifics.	protein, starch, salad, soup. Fast-food
		outlets could also be considered for the
		symbol, but they must offer at least one
		healthy dish to qualify. The symbol is
		awarded to a specific dish and not to the
		restaurant as a whole. The aim of the
		Right Choice symbol is to facilitate
		healthier choices for consumers among a
		restaurant's offerings.
		Dishes are labeled with the Right Choice
		symbol (the logo of the symbol), which on
		its own guarantees that they represent a
		healthy choice according to the previously
		described criteria. No additional
		information regarding energy values or
		similar details is provided alongside the
		symbol, as it is assumed that the
		consumer understands the meaning of
		the symbol (a balanced, healthy, and
		appropriately composed in terms of
		energy meal. which contains: fresh and/or
		cooked vegetables, lean types of white
		and red meat, whole grain starch foods,
		and salad. It is nutritious, ensuring the
		intake of all the nutrients the body needs;
		it is prepared with appropriate heat
1		treatments (boiling, stewing, baking with
		moderate amounts of quality fats, etc.); it



		includes the added value of organic,	
		seasonal, and local ingredients.)	
Type	Mandatory nutrition standards through	Voluntary nutrition standards	
	regulation	A restaurant wishing to obtain the Right	
		Choice	
	The amount of the nutrients should be	symbol must work with the NIPH to draw	
	given per 100 g/mL, per portion or per	up an	
	consumption unit. If the nutritional	example of nutritionally appropriate	
	information is given per portion or	menus. The	
	consumption unit, the size of it should	NIPH shall review the energy and	
	be defined in close proximity to the	nutritional	
	nutrition declaration. The nutritional	adequacy of the meals	
	information shall be presented, if space		
	permits, in tabular format with the		
	numbers		
	aligned. In cases where there is not		
	enough space,		
	the nutritional information may be		
	given sequentially (i.e. linearly).		
	Information shall be easily visible and		
	clearly legible (minimum font size is not		
	defined)		
Information	Energy and Nutrient	Energy and Nutrient	
included	Legibility and visibility		
	The nutrients included: fatty acids,		
	including saturated fatty acids,		
	carbohydrates, sugar, proteins and salt		
	contents		
Monitoring	Yes: the Estonian Agriculture and Food	No No	
	Board will include oversight of these		
	changes in their yearly national		
	monitoring plan		
Funding	Yes: for monitoring and evaluation	Yes, for implementation No	



Enforcement	No	No	No
Impact and	The safety and quality of consumed	As more and more people in Slovenia e	at
policy	food and the possibility of making	in restaurants, there is a need to increa	se
effectiveness	conscious and healthy choices are	the interest of caterers and service use	rs
	important factors influencing the health	in healthy catering. To facilitate the	
	of the population. The planned	choice of healthy offers in catering and	
	regulation will contribute to promoting	tourism, criteria for meals have been	
	the population's health	developed to help promote the Healthy	,
		Offer recognition Certificate.	



5. Promotion

Different countries have different policies for different media when it comes to marketing to children. The most implemented option (mandatory or voluntary) is restricting marketing of unhealthy foods to children via broadcast media (TV, radio). Estonia relies here on the Code of Conduct, which contains mandatory rules for all members of the Association of Estonian Broadcasters with regards to advertisement and marketing to children.

Broadcasters who are not part of the Association can voluntarily implement the same rules. In Finland, there is the Consumer Protection Act and the Food Act. However, in Finland, unhealthy food is not defined in the law or in official guidelines, making it impossible to have enforceable public regulations. The Consumer Protection Act does include an explicit provision regarding marketing aimed at minors or generally reaching minors, where the evaluation of marketing is based on ethical grounds. Marketing to minors is considered contrary to good manners. Regarding official guidance, the most significant is the Consumer Ombudsman's directive on 'Children and Food Marketing' (2004, revised 2015). This directive outlines key issues (such as children's and youth programs, free toys, soft drink and cany vending machines in schools) and employs morally but not legally binding language. In Portugal and Slovenia, there mandatory legislations and regulations in place that clearly specify what is allowed and what is not allowed and for whom and during which time slot. And lastly, in Spain, there is the PAOS code, a Code of self-regulation following recommendations made by the authorities (ASEAN). The code does not define an explicit ban, but rather some key considerations. Italy has no regulation in place.

The age range of these restrictions is children up to 12 in Estonia, children up to 15 in Slovenia and Spain, up to 16 in Portugal and minors in Finland. Both Slovenia and Estonia use the WHO model to define the nutrient profile mode to determine which foods cannot be marketed to children, Portugal developed its own nutrient profile mode based on this WHO model. Countries have also monitoring mechanisms in place, but only in Portugal and Spain, there are enforcement provisions in place for non-compliance.

TV and radio marketing is the most regulated option, but often these regulations or codes or ethical grounds also extend to online/social media and packaging (social media: Finland, Portugal and Spain / packaging: Finland and Slovenia). Slovenia is exploring the possibility of regulating advertisement through social media, using the ClickTool application.

Other media (not packaging and online/social media) is restricted in Portugal, under form of printed media directed at children. For Spain, the PAOS code also is in place here.

Lastly, in Spain, Slovenia, Finland, Portugal and Estonia, there are also regulations on advertisement in settings where children gather. Mainly schools are targeted, but in Portugal and Spain, also the school surroundings, sport clubs and events are targeted.



Table 5: Data collected on the different aspects of promotion by the different countries

PROMOTION1 : broadcast media (TV, radio)		Estonia	Finland	Italy	Portugal	Slovenia	Spain
Responsible advertising regarding food and drink in children's programs Specifics The primary purpose of the code of conduct is to contribute to the safeguarding of children's health and to support balanced nutrition. Different national laws contain provision that limit the marketing of foods and drinks among other to children and adolescents. The channels of the Estonian public broadcaster ERR are all advertisement free. Most of the other TV and radio channels Responsible advertising regarding food and drinks and drinks and content that content that could harm the marketing africable public of undertisement free. Most of the other TV and radio channels Responsible advertising regarding food and drinks and drinks arong advertising prosition that leave or in official goldelines, making it impossible to have enforceable public broadcaster ERR are all advertisement free. Most of the other TV and radio channels of the commercial provision regarding marketing asimed at to the spanish Code of Self-Regulation on Food and Reverage Advertising broadcast in Children and Adolescents Media law & Audiovisual Media Services Act Media law & Audiovisual Children and Adolescents Media law & Audiovisual Media Services Act Media law & Audiovisual Media Services Act The "PAOS" Code refers to the Spanish Code of Self-Regulation on Food and Reverage Advertising and Adolescents Media law & Audiovisual Media law: Media law & Audiovisual Media law: Media law & Audiovisual Media law: Advertisements whose and avertising and evertisen and audiovisual free in the law and on-demand audiovisual market in gerindence is children and audiovisual free and avertising proactast in cinemas for films the commercial breaks of these programs. The ban also applies to advertising broadcast in cinemas for films the advertising broadcast in cinemas for film	PROMOTION:	L: broadcast media (TV, ra	adio)				
Specifics The primary purpose of the code of conduct is to contribute to the safeguarding of children's health and to support balanced nutrition. Different national laws contain provision that limit the marketing of other to children and adolescents. The channels of the Estonian public broadcaster ERR are all advertisement free. Most of the other TV and radio channels Specifics The primary purpose of the code of conduct is of the code of conduct about the code of code of code code of code of code code of code of code of code code of code of code of code of code code of co	Evidence	Responsible advertising regarding food and drink in	Yes	No	Yes	Media law & Audiovisual	The "PAOS" Code refers to the Spanish Code of Self-Regulation on Food and Beverage Advertising directed at
of the code of conduct is to contribute to the safeguarding of children's health and to support balanced nutrition. Different national laws contain provision that limit the marketing of ther to children and adolescents. The channels of the Estonian public broadcaster ERR are all advertisement free. Most of the other TV and radio channels Act (38/1978) and Food Act (297/2021). These are the most important legislations. Unhealthy food is not defined in the law or in official guidelines, making it including advertising broadcast in cinemas for films and bans advertising in schools The marketing restrictions and bans advertising in schools Act (297/2021). These are the most important legislations. Unhealthy food is not defined in the law or in official guidelines, making it impossible to have enforceable public regulations. Act (297/2021). These are the most important legislations. Unhealthy food is not defined in the law or in official guidelines, making it impossible to have enforceable public regulations. Consumer Protection Act (38/1978) does not specify the marketing of unhealthy foods, but broadcaster ERR are all advertisement free. Most of the other TV and radio channels Act (297/2021). These are the most important legislations. Unhealthy food is not defined in the law or in official guidelines, making it the law or in official breaks of these programs. The ban also applies to advertising broadcast in cinemas for films inchemental advertising and promotion advertising and promotion advertising their health and mental advertising mand services, and on-demand audio-visual form and radio, including advertising breaks of these programs. The ban also applies to advertising broadcast in cinemas for films inchement content that could harm content that could harm devertising promotions criterial and physical development. Advertisement swhose main target audience is children may not contain content that could harm devertising broadcast inchemental advertising broadcast in content that could harm advertising							Adolescents
are members of the minors or with a nutritional or younger population and physiological effect, the contribute to public	Specifics	of the code of conduct is to contribute to the safeguarding of children's health and to support balanced nutrition. Different national laws contain provision that limit the marketing of foods and drinks among other to children and adolescents. The channels of the Estonian public broadcaster ERR are all advertisement free. Most of the other TV	Act (38/1978) and Food Act (297/2021). These are the most important legislations. Unhealthy food is not defined in the law or in official guidelines, making it impossible to have enforceable public regulations. Consumer Protection Act (38/1978) does not specify the marketing of unhealthy foods, but Section 2, Paragraph 2 includes an explicit provision regarding		programs and services, and on-demand audiovisual communication services and radio, including advertising breaks in the commercial breaks of these programs. The ban also applies to advertising broadcast in cinemas for films intended for children under 16. Additionally, the law imposes digital marketing restrictions and bans advertising in	advertisements whose main target audience is children may not contain content that could harm their health and mental and physical development. Advertisement must not encourage children to buy products by exploiting their inexperience Audiovisual Media Services act: Providers must design rules of conduct about foods that contain nutrients and substances with a nutritional or	a self-regulatory initiative aimed at controlling and promoting responsible advertising practices related to food and beverages targeting children and adolescents. It addresses concerns about childhood obesity by establishing guidelines for advertising content, nutritional criteria, and promotional activities. The objective is to encourage healthier food choices among the younger population and



Association of	generally reaching	excessive consumption of	health efforts to combat
Estonian Broadcasters	minors. The provision	which is not	obesity.
	concerns	recommended in the	
	the evaluation of	whole diet and make	
	marketing on ethical	them public. The rules of	
	grounds,	conduct must be	
	taking into account the	formulated in such a way	
	age and developmental	that children are enabled	
	stage	to develop healthy eating	
	of minors generally	habits published by the	
	reached by the	minister responsible for	
	marketing, as	health	
	well as other		
	circumstances		
	Marketing to minors is		
	considered contrary to		
	good manners		
	Regarding official		
	guidance, the most		
	significant is the		
	Consumer		
	Ombudsman's directive		
	on 'Children and Food		
	Marketing' (2004,		
	revised 2015).		
	The directive outlines		
	key issues (such as		
	children's and youth		
	programs, free toys,		
	soft drink and cany		
	vending machines in		
	schools) and employs		



Responsible	Association of Estonian Broadcasters Ministry of Culture in cooperation with Ministry of Social	morally but not legally binding language. In terms of self-regulation: especially the Food Industry Federation's marketing guidelines and the EU Pledge by multinational companies are central Ministry of Justice Ministry of Agriculture and Forestry	Initiative by the Portuguese Parliament, implementation involves the Directorate-General of	Ministry of Health Ministry for Culture – media directorate	Ministry of Health Social Services and Equality Spanish Agency for Food Safety and Nutrition
	Affairs and NIHD		Health, Ministry of Health and the Consumer Directorate- General, Ministry of Economy		The Federation of Food and Beverage Industries Association for Self- Regulation of Commercial communication Distribution sector, Hospitality and catering
Stage	Implementation	Implementation	Implementation and evaluation	Implementation	Implementation
Туре	Industry self- regulation Mandatory for the members of the Association of Estonian Broadcasters, voluntary for others	Legislation and regulation + Industry self-regulation	Mandatory legislation and regulations (law 30/2019 of 23th of April)	Legislation and regulation - mandatory	The strategy followed by AESAN and authorities is to stimulate industries to follow the recommendations, by means of self-regulation and then avoiding punishment. The



					strategies are based on the Spanish Law 17/2011 on Food Safety and Nutrition Legislation and regulation are not voluntary, they are based in the Spanish Law 17/2011 on Food Safety and Nutrition
Age groups	Exclusive ban towards children, up to 12 years Targeted to children is defined in the Advertising Act as "children are the main audience of the advertisement"	Only mentioning of minors	Only children up to 16 years old Children's programs or programs for children of which a minimum of 25% audience includes children under 16 years old	Exclusive ban towards children, up to 15 years Targeted to children is defined as ads whose primary target audience is children, suitable for all children with parental guidance, unsuitable for children under the age of 12 / 15 / 18	Exclusive ban towards children, up to 15 years Targeted to children is defined by PAOS as advertising and marketing efforts specifically directed at children and adolescents
Specific time slot	Children's programs are all programs whose audience, according to a television audience study recognized in Estonia, is at least 50% children	No	Minimum of 25% audience includes children under 16 years old, and respective commercial breaks	Yes Program content that is not suitable for children under 15 can be broadcast after 8 p.m. and no later than 5 a.m. Program content that is not suitable for children under 18 can be broadcast after 11 p.m. and no later than 5 a.m.	Yes: Restrictions may be placed on advertising during television or radio programs that are specifically designed for children. This could include cartoons, educational programs or other content created for a younger audience



				Not when the promoted product is intended and/or appeals specifically to children	Some regulations may consider limiting food and beverage advertising during school hours Evening and Prime: some regulations might also address advertising during evening or prime time when families are more likely to be watching television together
Independent nutrient	WHO model	No	All foods that fit within	WHO NPM (2015)	No
profile mode			the nutrient profiling model developed; DGS	adapted for Slovenia	
profile filode			has developed a		
			nutrient profiling		
			model (published in		
			Dispatch No. 7450-		
			A/2019) based on the		
			WHO nutrient profile		
			model – WHO Regional		
			Office for Europe		
			Nutrient Profile Model		
			– to which changes		
			were introduced, with		
			the objective of		
			aligning the limits for		
			some nutrients in some		
			of the food categories, with the values defined		
			with the values defined		



			by legislation from the European Union. Other changes reflect the targets of the agreements made by Portugal in the context of food reformulation, as well as an analysis of the nutritional composition of foods available on the Portuguese market and		
			the limits imposed by		
			the present law.		
What's	All unhealthy products	Not defined	Advertisement of HFSS	All unhealthy products	Only products aimed at
included			foods must not include		children
	No use of characters		characters, drawings,	No success into	
	and public figures		celebrities, mascots or	implementation of the	No explicit ban, but
	popular among		others, associated with	amendment to the law,	some key considerations
	children.		children's programs.	addressing celebrities	Limiting use of animated
				and cartoon characters	characters, mascots or
	The advertisements		Advertisement of HFSS		figures that are
	may not:		foods must not:		especially appealing to
	a) directly incite		- encourage excessive		children
	children to enter into		intake;		Considering restrictions
	transactions		- belittle non-		on the use of celebrities
	independently or		consumers;		or popular figures that
	exploit their trust in		- create a sense of		may have a strong
	their parents,		urgency or pressing		influence on children
	teachers or other		need in consuming the		and adolescents
	persons;		advertised product;		Evaluating the use of
					premium offers, gifts,
					toys or other incentives



excessive food consumption; c) use promotional offers irresponsibly; d) use aggressive or misleading commercial practices (e.g. minimizing costs; compromising the importance of a varied and balanced diet and a healthy lifestyle; - associate the consumption of the product with gaining status, social success, special skills, popularity, success or intelligence; - include characters, drawings, celebrities, mascots or others, associated with children's programs; commiscate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages required No health messages required		b) encourage		- convey the idea of		that may encourage the
consumption; c) use promotional offers irresponsibly; d) use aggressive or misleading commercial practices (e.g misleading nutritional value). Addressing marketing techniques that exploit its exclusive or exaggerated intake, compromising the importance of a varied and balanced diet and a healthy lifestyle; - associate the consumption of the product with gaining status, social success, special skills, popularity, success or intelligence; - include characters, drawings, celebrities, mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Ves Advertisement should No health messages		_		-		
c) use promotional offers irresponsibly; d) use aggressive or misleading commercial practices (e.g misleading nutritional value). - convey the idea of benefit associated with its exclusive or exaggerated intake, compromising the importance of a varied and balanced diet and a healthy lifestyle; associate the consumption of the product with gaining status, social success, special skills, popularity, success or intelligence; include characters, drawings, celebrities, mascots or others, associated with children's programs; communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages		consumption;		minimizing costs;		food and beverage
offers irresponsibly; d) use aggressive or misleading commercial practices (e.g misleading nutritional value). Addressing marketing techniques that exploit repester power" — strategies designed to encourage children to persuade their parents or caregivers to buy specific products a healthy lifestyle; - associate the consumption of the product with gaining status, social success, special skills, popularity, success or intelligence; - include characters, drawings, celebrities, mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages		· · · · · · · · · · · · · · · · · · ·		•		
d) use aggressive or misleading commercial commercial practices (e.g. misleading nutritional value). A provided in the consumption of the product with gaining status, social success, special skills, popularity, success or intelligence; - include characters, drawings, celebrities, mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				•		Addressing marketing
misleading commercial practices (e.g misleading nutritional value). **Poster power" — strategies designed to importance of a varied and balanced diet and a healthy lifestyle; — associate the consumption of the product with gaining status, social success, special skills, popularity, success or intelligence; — include characters, drawings, celebrities, mascots or others, associated with children's programs; — communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. **Health** **No health messages** **No **Ves** **Advertisement should** **No health messages** **Poster power" — strategies designed to encourage children to encourage children to persuade their parents or caregivers to buy specific products **Poster power" — strategies designed to encourage children to persuade their parents or caregivers to buy specific products **Poster power" — strategies designed to encourage children to persuade their parents or caregivers to buy specific products **Poster power" — strategies designed to encourage children to persuade their parents or caregivers to buy specific products **Poster power" — strategies designed to encourage children to persuade their parents or caregivers to buy specific products **Poster power" — strategies designed to encourage children to persuade their parents or caregivers to buy specific products **Poster power — strategies designed to encourage children to persuade their parents or caregivers to buy specific products **Poster power — strategies designed to encourage children to persuade their parents or caregivers to buy specific products **Poster power — strategies designed to encourage children to persuade their parents or caregivers to buy specific products **Poster power — strategies designed to encourage children to persuade their parents or caregivers to buy specific products **Poster power — strategies designed to persuade their parents or caregivers				its exclusive or		
commercial practices (e.g misleading nutritional value). Compromising the importance of a varied and balanced diet and a healthy lifestyle; - associate the consumption of the product with gaining status, social success, special skills, popularity, success or intelligence; - include characters, drawings, celebrities, mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				exaggerated intake,		
misleading nutritional value). and balanced diet and a healthy lifestyle; - associate the consumption of the product with gaining status, social success, special skills, popularity, success or intelligence; - include characters, drawings, celebrities, mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages		commercial				-
misleading nutritional value). and balanced diet and a healthy lifestyle; - associate the consumption of the product with gaining status, social success, special skills, popularity, success or intelligence; - include characters, drawings, celebrities, mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages		practices (e.g		importance of a varied		encourage children to
value). a healthy lifestyle; - associate the consumption of the product with gaining status, social success, special skills, popularity, success or intelligence; - include characters, drawings, celebrities, mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				and balanced diet and		persuade their parents
- associate the consumption of the product with gaining status, social success, special skills, popularity, success or intelligence; - include characters, drawings, celebrities, mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages		_		a healthy lifestyle;		The state of the s
consumption of the product with gaining status, social success, special skills, popularity, success or intelligence; - include characters, drawings, celebrities, mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages		,				-
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special skills, popularity, success or intelligence; - include characters, drawings, celebrities, mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				product with gaining		
popularity, success or intelligence; - include characters, drawings, celebrities, mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				status, social success,		
intelligence; - include characters, drawings, celebrities, mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				special skills,		
- include characters, drawings, celebrities, mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				popularity, success or		
drawings, celebrities, mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Ves Advertisement should No health messages				intelligence;		
mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Mascots or others, associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats.				- include characters,		
associated with children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				drawings, celebrities,		
children's programs; - communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				mascots or others,		
- communicate HFSS foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				associated with		
foods' characteristics as beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				children's programs;		
beneficial for health, omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				- communicate HFSS		
omitting the harmful effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				foods' characteristics as		
effects of the intake of foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				beneficial for health,		
foods high in energy, salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				omitting the harmful		
salt, sugar, saturated fats and trans fats. Health No health messages No Yes Advertisement should No health messages				effects of the intake of		
Health No health messages No Yes Advertisement should No health messages				foods high in energy,		
Health No health messages No Yes Advertisement should No health messages				salt, sugar, saturated		
				fats and trans fats.		
messages required contain health messages required	Health	No health messages	No	Yes	Advertisement should	No health messages
	messages	required			contain health messages	required



Monitoring	Yes	No	Yes	Yes, but not regularly	AUTOCONTROL, as the
9	Best practice council		Aggregation of relevant	funded and provided.	self-regulatory body,
	of the Association		indicators regarding	Mainly, they are provided	plays a crucial role in
	monitors that its		food intake patterns in	by Slovene Consumer	monitoring compliance
	members comply with		children under 16 years	Organization of SCO as a	with PAOS. It oversees
	the code of conduct.		old, characterization of	part of BEUC activities	the advertising practices
	The Association will		food marketing		of participating
	not assess the impact		targeted at them and		companies to ensure
	of the restrictions		their general health		adherence to the
			status. There is a		established standards.
			monitoring system in		+
			place on an annual		Compliance monitoring:
			basis with monitoring		Regular assessments of
			studies being		industry compliance
			conducted for specific		with the PAOS
			channels every year. In		guidelines
			this monitoring studies		
			the data collection is		
			being done using the		
			WHO protocols for		
			food marketing		
			monitoring and		
			monitoring studies for		
			TV food marketing		
			were conducted in		
			2020 and in 2021. It is		
			also in place annual		
			actions to monitor the		
			law compliance by the		
			competent authority		
			(Consumer Directorate-		
			General). The last		



Funding	No	No	action to monitor the law compliance conducted by Consumer Directorate-General was conducted in 2020.	Yes Monitoring and evaluation and implementation	
Enforcement	No	No	Yes Infractions will be punished with fines of 1750€ to 3750€, in case of an individual, or of 3500€ to 45000€ if committed by companies. The Consumer Directorate- General are responsible for monitoring compliance.	No	AUTOCONTROL may take corrective actions or impose sanctions in cases of non-compliance with PAOS guidelines. These actions can include requesting modifications to advertisements or, in extreme cases, reporting non-compliant practices to relevant authorities
Impact and policy effectiveness	WHO is currently monitoring TV advertisements of food and drinks to evaluate how many of those are targeted at children and how many of these in turn are actually allowed	Not known	Not included	Overall administrative and inspection control over the implementation of this law is carried out by the Ministry for culture (Media law) and the Agency for Communication Networks and Services of	Collection of data on advertising practices (prevalence and content) Consumer awareness and understanding (surveys) Industry participation



PROMOTION2	according to the WHO's model of nutritional criteria. No additional effectiveness evaluation planned in Estonia (16)				the Republic of Slovenia (Audiovisual Media Services Act) Specific implementation of the Nutrient Profile Model and restriction of marketing of unhealthy foods are not under the control, the only controlled issue is the fact that TV provider is or restricting the adds or providing warnings.	Monitoring health outcomes Public feedback Analyzing shifts in advertising strategies Impact on children's food choices
Evidence	No	Yes: the information in PROMO1 (industry self-regulation and morally correct advertising to minors) also extends to PROMO 2	No	Yes	Yes: Use of application in development (from JA Best ReMaP) – Click Tool Application, screening child's electronic devices	PAOS code also applies to promotion 2
Responsible				It was an initiative of the Portuguese Parliament and the implementation involves the Directorate-General of Health, Ministry of Health and the Consumer Directorate-General, Ministry of Economy.	National institute of Public Health	Ministry of Health, Social Services and equality Spanish Agency for Food Safety and Nutrition



Stage	Implementation and evaluation	In development (waiting for permission ethics committee)	Implementation
Туре	Mandatory, legislation and regulations (Lax 30/2019 of 23th of April)	Co-regulatory response All online media platforms included	Legislation and regulation are not voluntary, they are based in the Spanish Law 17/2011 on Food Safety and Nutrition
Age groups	Children up to 16 years old	Exclusive ban toward children up to 18	Exclusive ban towards children, up to 15 years Targeted to children is defined by PAOS as advertising and marketing efforts specifically directed at children and adolescents
Included	Websites, webpages, apps and social media profiles with content intended for children up to 16 years old Same considerations as for PROMO1	All ads, about unhealthy products, appearing on screen	Only products aimed at children No explicit ban, but some key considerations Limiting use of animated characters, mascots or figures that are especially appealing to children Considering restrictions on the use of celebrities or popular figures that may have a strong



Monitoring	Yes,	Yes, mobile application	influence on children and adolescents Evaluating the use of premium offers, gifts, toys or other incentives that may encourage the purchase of less healthy food and beverage products Addressing marketing techniques that exploit "pester power" – strategies designed to encourage children to persuade their parents or caregivers to buy specific products
	Aggregation of relevant indicators regarding		
	food intake patterns in		
	children under 16 years		
	old, characterization of		
	food marketing		
	targeted at them and their general health		
	status. There is a		
	monitoring system in		
	place on an annual		
	basis with monitoring		
	studies being		
	conducted for specific		
	channels every year. In		



this monitoring studies
the data collection is
being done using the
WHO protocols for
food marketing
monitoring and
monitoring studies for
digital food marketing
were conducted in
2020, 2021 and 2022.
In 2022, it was
implemented the
"investigate exposure"
step of the WHO CLICK
framework that
enabled the data
collection of children's
direct exposure to
digital food marketing,
in particular of paid-for
ads. Reality Meter was
the IA tool used in this
study. It is also in place
annual actions to
monitor the law
compliance by the
competent authority
(Consumer Directorate-
General). The actions
to monitor the law
compliance conducted
by Consumer
Directorate-General



				were conducted in 2021-2023.		
Funding				No	Yes Monitoring and evaluation and implementation	No
Enforcement				Yes Infractions will be punished with fines of 1750€ to 3750€, in case of an individual, or of 3500€ to 45000€ if committed by companies. The Consumer Directorate- General are responsible for monitoring compliance.	No	No
PROMOTIONS	: B: non-broadcast media of	ther than packaging and o	nline/s	social media		<u> </u>
Evidence	No	Yes: the information in PROMO1 (industry self-regulation and morally correct advertising to minors) also extends to PROMO 3	No	Yes Printed publications directed at children up to 16 years old	No	No
Responsible				It was an initiative of the Portuguese Parliament and the implementation involves the Directorate-General of Health, Ministry of		



Stage Type	Health and the Consumer Directorate- General, Ministry of Economy. Implementation and evaluation Mandatory: legislation and regulations (Law 30/2019 of 23th of April)
Age groups	
Included	All foods that fit within the nutrient profiling model developed; DGS has developed a nutrient profiling model (published in Dispatch No. 7450- A/2019) based on the WHO nutrient profile model – WHO Regional Office for Europe Nutrient Profile Model
	- to which changes were introduced, with the objective of aligning the limits for some nutrients in some of the food categories, with the values defined by legislation from the European Union. Other changes reflect the



Т		1
	targets of the	
	agreements made by	
	Portugal in the context	
	of food reformulation,	
	as well as an analysis of	
	the nutritional	
	composition of foods	
	available on the	
	Portuguese market and	
	the limits imposed by	
	the present law.	
	Extension to logos of	
	companies distributing	
	unhealthy foods	
Monitoring	Yes	
	Aggregation of relevant	
	indicators regarding	
	food intake patterns in	
	children under 16 years	
	old, characterization of	
	food marketing	
	targeted at them and	
	their general health	
	status. There is a	
	monitoring system in	
	place on an annual	
	basis with monitoring	
	studies being	
	conducted for specific	
	channels every year. In	
	this monitoring studies	
	the data collection is	
	the data concentration	



				being done using the WHO protocols for food marketing monitoring. It is also in place annual actions to monitor the law		
				compliance by the competent authority (Consumer Directorate-		
Funding				General).		
Enforcement				Yes Infractions will be punished with fines of 1750€ to 3750€, in case of an individual, or of 3500€ to 45000€ if committed by companies. The Consumer Directorate- General are responsible for monitoring compliance.		
PROMOTION4	: settings where children	gather	I	1		
Evidence	Yes: Advertising Act & Consumer Protection Act	Yes	No	Yes	Yes: School meals act – Prohibition of food and drink vending machines in the area of educational institutions. School guidelines with recommendations 2010	Yes: Spanish Law 17/2011 on Food Safety and Nutrition



Specifics	Protecting children	In addition to the	- In pre-schools, basic	This act provides high-	PAOS Code:
	from harmful	Consumer Protection	and secondary schools;	quality school nutrition,	a self-regulatory
	advertising	Act there are	- In public playgrounds;	which influences the	initiative aimed at
		Consumer	- Within a radius of 100	optimal development of	controlling and
		Ombudsman's	meters from pre-	pupils and students, the	promoting responsible
		guidelines (2021) on	schools, basic and	development of	advertising practices
		Marketing and	secondary schools'	awareness of healthy	related to food and
		Commercialism in	entries (with the	nutrition and eating	beverages targeting
		Schools, Educational	exception of	culture, upbringing and	children and
		Institutions and Early	advertising elements	education for a	adolescents.
		Childhood Education.	displayed in	responsible attitude	It addresses concerns
		The purpose of this	commercial	towards oneself, one's	about childhood obesity
		guideline is to inform	establishments, namely	health and the	by establishing
		businesses about how	brands on outdoor	environment and enables	guidelines for
		they can operate	furniture, awnings or	pupils and students to	advertising content,
		within the limits set by	signs integrated into	have access to healthy	nutritional criteria, and
		consumer protection	the establishment);	school nutrition and	promotional activities
		law concerning schools,	- In sporting, cultural	providing equal	The objective is to
		educational institutions	and recreational	opportunities for	encourage healthier
		and early childhood	activities organized by	students from socially	food choices among the
		education	pre-schools, basic and	less stimulating	younger population and
			secondary schools.	environments	contribute to public
					health efforts to combat
					obesity.
Responsible	Ministry for Economy	Consumer Ombudsman	It was an initiative of	Ministry of education	Spanish agency for food
	and Communication in		the Portuguese		safety and nutrition
	cooperation with		Parliament and the		Ministry of Health,
	other ministries		implementation		Consumer Affairs and
			involves the		Social Welfare
			Directorate-General of		Ministry of Agriculture,
			Health, Ministry of		Fisheries and Food
			Health and the		Scientific committee on
			Consumer Directorate-		food safety



			General, Ministry of Economy.		National Health Council
Stage	Implementation	Implementation	Implementation and evaluation	Implementation	Implementation
Туре	Legislation and regulation Prohibited in preschool child care institutions, basic schools, upper secondary schools and vocational educational institutions. The Advertising Act does not explicitly prohibit advertising in sports and cultural events for children	Guidelines	Mandatory Legislation and regulations (Law 30/2019 of 23th of April)	Legislation and regulation On the territory of schools and educational institutions and on the surface belonging to their school premises (also kindergartens, institutions for the upbringing and education of children and adolescents with special needs, dormitories for students, student dormitories and in the Center for school and extracurricular activities)	Legislation and regulation Preschools, schools, sport events, sport clubs, educational centers, educational and health programs, universities and higher education institutions, nutritional education programs, extracurricular activities and school events, training courses and workshops and public health programs
Age included	Children up to 18 years Advertising which target group primarily children shall take into account their unique physical and mental state resulting from their age	Children up to 18	Children up to 16 years	1 -19 year old	
Included	All marketing	Preschools	All foods that fit within	All food and drink	Unhealthy food and
	prohibited		the nutrient profiling	marketing	drink marketing



	+ Ban on imitating well-	Schools (primary and secondary)	model developed; DGS has developed a	Healthy food	
	known people or	All manufactions in	nutrient profiling	advertisement present	
	characters applies	All marketing is	model (published in		
	only to advertising alcohol	included in the	Dispatch No. 7450-		
		guidelines	A/2019) based on the		
	+		WHO nutrient profile		
	Ban on imitating the		model – WHO Regional		
	voice of will-known		Office for Europe Nutrient Profile Model		
	persons or characters or the voice of				
			 to which changes were introduced, with 		
	persons or characters		•		
	known from films, tv,		the objective of		
	music or entertainment		aligning the limits for some nutrients in some		
	programs or events directed principally at		of the food categories, with the values defined		
	children		by legislation from the		
	Ciliuren		European Union. Other		
			changes reflect the		
			targets of the		
			agreements made by		
			Portugal in the context		
			of food reformulation,		
			as well as an analysis of		
			the nutritional		
			composition of foods		
			available on the		
			Portuguese market and		
			the limits imposed by		
			the present law.		
Monitoring	Yes: the consumer	No	Yes	Yes: Inspectorate of	Yes: compliance
	protection and			Education	monitoring, inspections,



technical regulatory	Aggregation of relevant	data collection, health
authority supervises	indicators regarding	outcomes
advertisement	food intake patterns in	
	children under 16 years	
	old, characterization of	
	food marketing	
	targeted at them and	
	their general health	
	status. There is a	
	monitoring system in	
	place on an annual	
	basis with monitoring	
	studies being	
	conducted for specific	
	channels every year. In	
	this monitoring studies	
	the data collection is	
	being done using the	
	WHO protocols for	
	food marketing	
	monitoring and the	
	monitoring study for	
	outdoors food	
	marketing around	
	schools was conducted	
	in 2023. It is also in	
	place annual actions to	
	monitor the law	
	compliance by the	
	competent authority	
	(Consumer Directorate-	
	General).	



Funding	Yes, for monitoring and evaluation	No	No	Yes, for monitoring, evaluation and	Yes: for monitoring and evaluation and
				implementation	implementation
Enforcement	Yes: fines up to 300	No	Yes	Yes, up to 2000 euro	No
	fine units (1 unit = 4		Infractions will be	, ,	
	euro)		punished with fines of		
	For a legal person, a		1750€ to 3750€, in case		
	fine up to 50.000		of an individual, or of		
	euros		3500€ to 45000€ if		
			committed by		
			companies. The		
			Consumer Directorate-		
			General are		
			responsible for		
			monitoring compliance.		
PROMOTION5	: Food packages				
Evidence	No	Yes	No	Yes: an industry code	No
Specifics		The Consumer		Aim is expanding the	
		Ombudsman issued the		offer of foods with an	
		directive		improved composition	
		'Children and Food		and foods with a more	
		Marketing' as early as		favorable nutritional	
		2004, which was		composition, promoting	
		supplemented in 2015.		an healthy lifestyle	
		The directive outlines			
		key issues (such as			
		children's and youth			
		programs, free toys,			
		soft drink, and candy			
		vending machines in			
		schools) and employs			
		morally but not			



	1 0 1.2 0	
	legally binding	
	language, while	
	referring to both	
	the Convention on the	
	Rights of the Child and	
	the Finnish	
	Constitution.	
	For example, under the	
	Consumer Protection	
	Act, a parent's right to	
	upbringing is violated if	
	an advertisement	
	directly urges a child	
	with phrases such as	
	'buy', 'try', 'get',	
	'experience',	
	attempting to persuade	
	the child to convince	
	the parent to purchase	
	the product. The main	
	message focuses	
	heavily on appealing to	
	the child's emotions	
	through a game,	
	cartoon character, free	
	toy or competition	
	instead of the product	
	itself	
Responsible		Chamber of Agricultural
		and Food Companies
Stage	Implementation	Implementation
Туре		Industry self-regulation



Included		Only products aimed at
		children – the promoted
		product is intended
		and/or appeals
		specifically to children
Monitoring	No	Yes: internal monitoring
Funding	No	Yes: monitoring,
		evaluation and
		implementation
Enforcement	No	No



6. Prices 1

Currently, in none of the countries there is a minimization of taxes on healthy foods to encourage healthy food choices, nor is it on the agenda. In the countries, all foods and drinks, without any exceptions, are taxed with a standard rate of value-added tax.

Portugal introduced the 0% VAT in April 2023 for a duration of 8 months. The objective in this case was to reduce the impact of rising inflation on a basket of essential, healthy food products. The tax was replaced in 2024 to its original level (6%). However, the price increase was lower than expected (app. 4.2%).

It is important to highlight that maybe changes can be on their way, as the EU now allows member states to reduce VAT to 0% for healthy and sustainable foods (17).

Table 6: data collected on prices 1 by the different countries

	Estonia	Finland	Italy	Portugal	Slovenia	Spain
Evidence	No		No	Yes: There was a 0% VAT tax from April 2023 until December 2023	No	No
Specify				The Portuguese government implemented a transitional fiscal measure to reduce the impact of inflation. Law n° 17/2023 of April 14 th exempted from VAT the imports and supply of certain food products part of a healthy food basket. For this purpose, the Ministry of Health defined a set of healthy food products present in the Food Wheel Guide to be subjected to the 0% VAT rate. DGS also developed a guiding manual to capacitate the population to make healthy choices with the VAT-free food		
Food groups included				 Cereals, cereal products and root vegetables (bread; potatoes in their natural state; fresh and dried pasta (excluding stuffed pasta); rice). Vegetables: fresh, chilled, dried, frozen, even if previously cooked (onion; tomato; cauliflower; lettuce; broccoli; carrot; courgette; leeks; pumpkin; turnip greens; Portuguese cabbage; spinach; turnip; peas). Fruits in their natural state (apple; banana; orange; pear; melon). Dried pulses (red bean; black-eyed peas; chickpeas). Dairy (cow's milk; yogurt; fermented milks; cheese). 		



	- Meat and offal: fresh or frozen (pork; chicken; turkey; beef) Fish: fresh (dead or alive), chilled, frozen, dried, salted, in brine, excluding smoked or tinned (cod; sardines; hake; mackerel; golden bream) Tinned tuna Chicken eggs, fresh, dried or preserved Fats and oils (olive oil; edible vegetable oils and blends; butter) - Vegetable-based drinks and yogurts, without milk or dairy, made from nuts, cereals, fruits, pulses or vegetables Dietary products meant for enteral nutrition and gluten free products for people with celiac disease.	
Monitoring	A monitoring committee was established, composed of 8 entities, with the Economic and Food Safety Authority (ASAE) in charge of monitoring the effective reduction of VAT on food products covered by this measure.	
Impact and policy effectiveness	It was not evaluated, but there was an effective reduction of price of the food products included in this measure. By September 2023, that reduction was estimated to be around 10%	
Coherence	By increasing financial access to healthy foods, this policy was aligned with one of PNPA's missions to stimulate the physical and economic availability of healthy foods and it was applied just to healthy foods, showing the alignment of this policy with health promotion.	



7. Prices 2

There is indication in different countries that additional taxation on unhealthy foods is something that governments are exploring. In Portugal and Spain, it is implemented, in Italy, it is on hold, in Estonia and Slovenia, it is still under proposition. In Spain, Finland and Estonia, those would be food group based taxes specifically targeting sugar-sweetened beverages (and additionally in Finland sweets and chocolate). In Slovenia, Portugal and Italy, these are nutrient based taxes, specifically on sugar or other sweeteners (and in Slovenia also on salt).

Table 7: data collected on prices 2 by the different countries

	Estonia	Finland	Italy	Portugal	Slovenia	Spain
Evidence	Yes	Yes	Yes	Yes	Yes	No
Food group	Food group based	Food group based	Nutrient based –	Nutrient based – tax on	Nutrient based –	Food group based
based tax or	– tax on	tax on Soft Drinks	tax on sugar	sugar or other sweeteners	tax on sugar and	tax: a tax on
Nutrient	sweetened drinks		sweetened		salt	sugary drinks
based tax			beverages, and			
			beverages			
			sweetened with			
			added sweeteners			
			(natural or			
			synthetic origin)			
			and having an			
			alcoholic strength			
			by volume not			
			exceeding 1.2%			
Specifics	The proposal to	The Act on Soft	Sugar Tax	On February 1, 2017, the	Amendment of	According to the
	tax sweetened	Drink Tax	160/2019, comma	Law No. 42/2016 of 28 of	Rules on the	General State
	drinks (containing	(1127/2010) applies	from 661 to 676/	December on the 2017 State	implementation of	Budget Law for
	both sugar and/or	to beverages that	Tax is to be paid by	Budget came into effect,	the VAT Act is	the year 2021,
	sweeteners) is in	are non-alcoholic or	the national	mandating that non-	under preparation.	there was an
	the very early	contain a low	producers or	alcoholic beverages	It provides for a	increase in the
	stages, so we do	amount of alcohol,	distributors or by	containing added sugar or	higher tax on foods	tax on sugary
	not have many	such as juices,	the consumers. Tax	other sweeteners are	with a higher sugar	drinks from 10%
	details yet. The	lemonades, mineral	is intended for	subjected to a tiered tax.	content and a tax	to 21%.



Government is determined to impose such a tax, however, we cannot predict whether the **National Assembly** approves it or not. In 2017, the **Estonian National** Assembly already adopted a law to tax sweetened drinks, but the President did not give her seal of approval.

waters, and coffee drinks. The Act on Soft Drink Tax was amended in the spring of 2023, but the changes have not yet come into effect. The enactment of the changes will be stipulated later by a government decree after approval has been obtained from the European Commission. Until then, the current law will remain in force. The soft drink tax will be tiered based on the sugar content of the beverage, changing from the current two tax categories to six tax categories

According to the government's 2024 proposal, the general value-added tax (VAT) rate in Finland will

non-alcoholic beverages. The sugar tax is due at €10 per hectoliter, for the finished products and at €0.25 per kilogram, for products designed to be used after dilution. The sugar content threshold: 25g/liter for finished products or 125g/kg for products to be used after dilution. This tax also applies to artificially sweetened beverages, according to a conversion table of sugar sweeteners

This tax was revised in 20189 to increase to number of taxation tiers to maintain the incentives to food reformulation, and again in 2023, updating the amount per tier according to the inflation rate. The main goal of these taxes was to reduce the consumption of SSBs, as almost half of the Portuguese children and adolescents have a sugar intake above the maximum recommended by the WHO and SSBs are among the foods/beverages that most contribute to the Portuguese population's sugar intake

on certain foods with a higher salt content.
Additionally, tiered tax on sugar sweetened beverages Is in consideration



		be increased, and sweets and chocolate will be moved to the general VAT rate, rising from 14 percent to 25.5 percent.				
Responsible	Ministry of Social Affairs in cooperation with NIHD and Ministry of Finance	Ministry of Finance	Ministry of Finance Ministry of Health	Ministry of Health Ministry of Finances Ministry of Economy Monitoring Committee: working group composed of representatives from the Secretary of State of Commerce, the Tax and Customs Authority, the DSG and the Directorate-General	Ministry of Finance Ministry of Health National institute of Public Health	Ministry of Finance Ministry of Health
Coherence				for Economic Activities This measure is part of the National Program for Healthy Eating Promotion (PNPAS) and is aligned with axis 1 of the multisectoral Integrated Strategy for the Promotion of Healthy Eating to "modify the environment where people choose and buy food by modifying the availability of food in certain physical spaces and promoting the reformulation	Part of the Resolution on the National Programme on Nutrition and Physical Activity for Health 2015- 2025	



				of certain categories of		
				food".		
Stage	Proposed	In development	In development	Implementation	Proposed	Implementation
Details	The draft law is	Excise tax	Excise tax and	Excise tax – Tiered tax	Ad valoram tax	
	pending in		Sales tax aimed at		Sales tax aimed at	
	Parliament, the	At the moment the	consumer	For non-concentrated	consumer	
	second reading is	excise tax on sugar-		beverages: 1.16€ / hl,		
	about to begin.	free products is half	No specific excise	6.95€/hl, 9.26€/hl, 23.18€/hl	A change to the	
	Currently, it is	that of beverages	tax on producer	depending on the sugar	rules is being	
	foreseen to enter	containing sugar.	level	content (based on total	prepared to	
	into force at the	New:		sugar) being, respectively,	exclude foods with	
	beginning of 2026.	The excise tax on	Volumetric tax	less than 25g/l, less than	a higher sugar	
	The tax will be	soft drinks		50g/l and equal to or greater	content from the	
	imposed on	containing more	No exemptions	than 25g/l, less than 80g/l	reduces VAT rate	
	*Sweetened	than 0.5 percent		and equal to or greater than	(9.5%)	
	drinks containing	sugar is 32 cents	Increase in retail	50g/I or equal to or greater		
	sugar more than	per liter of the	price (50%)	than 80g/I/	Currently: uniform	
	5g per 100 ml	finished beverage.			VAT rate	
	*Drinks	For other soft	Start: 1-7-2025	For concentrated products		
	sweetened with	drinks, the excise		presented in liquid form (e.g.	Exemptions	
	sweeteners	tax is 13 cents per		syrups): €6.08/hL, €36.47/hL,	present, listed in	
		liter. The health		€48.62/hL and €121.56/hL,	the Rules	
	The tax will be	guidance included		depending on the sugar		
	tiered depending	in the excise tax on		content being, respectively,	Increase from 9.5%	
	on the level of	soft drinks will be		less than 25 grams per litre;	to 22%	
	sugar and/or	strengthened. The		less than 50 grams per litre		
	sweeteners	soft drink tax will be		and equal to or greater than		
	content	tiered based on the		25 grams per litre; less than		
		sugar content of		80 grams per litre and equal		
		the beverage,		to or greater than 50 grams		
		changing from the		per litre; or equal to or		
]		current two tax		greater than 80 grams per		
				litre.		



categories. The lowest tax rate will continue to apply to sugar-free drinks, as is currently the case. The tax on sugar-free drinks will be reduced from the current 13 cents to 9 cents per litre. In the new tax proposal for sugary drinks, the tax amount will be 16, 24, 32, 40, or 48 cents per litrer, regardless of whether the drink contains added sugar. Cents per liter, regardless of whether the drink contains added sugar. The new policy on sweets and chocolate concerns the value added tax i.e. is sales tax			
The lowest tax rate will continue to solid forms: \$(10.13/hL, 60.78/hL, \$(31.04/hL) and \$(202.61/hL) per 100 currently the case. The tax on sugar-free drinks, will be content being, respectively, leaved from the current 13 cents to 9 cents per liter. In the new tax proposal for sugary drinks, the tax amount will be 16, 24, 32, 40, or 48 cents per liter, regardless of whether the drink contains added sugar or only naturally occurring sugar. proposal for sugary drinks contains added sugar or only naturally occurring sugar. proposal for sugary drinks the tax are non-alcoholic drinks such as milk or dairy alternative beverages, fruit juices and nectars and drinks for special dietary needs or nutritional supplements i.e. is sales tax		categories to six tax	
The lowest tax rate will continue to apply to sugar-free drinks, as is €202.61/hL per 100 kllograms net weight, €31.04/hL and €202.61/hL per 100 kllograms net weight, €31.04/hL and €407.85/hL €31.04/hL and €202.61/hL per 100 kllograms net weight, €31.04/hL and €407.85/hL €31.04/hL end		categories.	·
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apply to sugar-free drinks, as is currently the case. The tax on sugar-free drinks will be reduced from the current 13 cents to 9 cents per liter. In the new policy on sweets and chocolate concerns the value added tax i.e. is sales tax €00.78/hL, €81.04/hL and €20.62/hL per 100 killograms net weight, depending on the sugar content being, respectively, reduced from the less than 25 grams per litre; less than 50 grams per litre; less than 50 grams per litre and equal to or greater than the new tax proposal for sugary 80 grams per litre and equal to or greater than 50 grams per litre; or equal to or greater than 50 grams per litre; or equal to or greater than 80 grams per litre; or equal to or greater than 80 grams per litre; or equal to or greater than 80 grams per litre; or equal to or greater than 80 grams per litre; or equal to or greater than 80 grams per litre; or equal to or greater than 80 grams per litre; or equal to or greater than 80 grams per litre; or equal to or greater than 80 grams per litre; or equal to or greater than 80 grams per litre; or equal to or greater than 80 grams per litre; or equal to or greater than 80 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre; or equal to or greater than 90 grams per litre or equal to or		The lowest tax rate	powder, granules, or other
drinks, as is currently the case. The tax on sugar- free drinks will be reduced from the current 13 cents to 9 cents per liter. In the new tax proposal for sugary drinks, the tax amount will be 16, 24, 32, 40, or 48 cents per liter, regardless of whether the drink contains added sugar or only naturally occurring sugar. Drinks exempt from this tax are non-alcoholic drinks such as milk or dairy alternative beverages, fruit juices and nectars and drinks for special dietary needs or nutritional she sugar person kilograms net weight, depending on the sugar lepending of t		will continue to	solid forms: €10.13/hL,
currently the case. The tax on sugar- free drinks will be reduced from the current 13 cents to 9 cents per liter. In the new tax proposal for sugary drinks, the tax amount will be 16, 24, 32, 40, or 48 cents per liter, regardless of whether the drink contains added sugar or only naturally occurring sugar. The excise tax is due solely but reflects on final price Drinks exempt from this tax are non-alcoholic drinks such as milk or dairy alternative beverages, fruit juices and nectars and drinks for special dietary needs or nutritional supplements kilograms net weight, depending on the sugar content being, respectively, recontent being, respectively, depending on the sugar content being, respectively, depending on the sugar content being, respectively, recontent being, respectively, reduction the sugar content being, respectively, reduction the sugar specific to the current and equal to or greater than 25 grams per litre; and equal to or greater than 25 grams per litre; each sub a sup alternative by preduct and equal to or greater than 50 grams per litre; or equal to or greater than 25 grams per litre; each sub a sup alternative betweether and equal to or greater than 50 grams per litre; or equal to or greater than 50 grams per litre; each sub a sub a sub a sup alternative betweether and equal to or greater than 50 grams per litre; each sub a sub		apply to sugar-free	€60.78/hL, €81.04/hL and
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9 cents per liter. In the new tax proposal for sugary drinks, the tax amount will be 16, 24, 32, 40, or 48 cents per liter, regardless of whether the drink contains added sugar or only naturally occurring sugar. The new policy on sweets and chocolate concerns the value added tax i.e. is sales tax		current 13 cents to	
the new tax proposal for sugary drinks, the tax amount will be 16, 24, 32, 40, or 48 cents per liter, regardless of whether the drink contains added sugar or only naturally occurring sugar. The new policy on sweets and chocolate concerns the value added tax i.e. is sales tax		9 cents per liter. In	
proposal for sugary drinks, the tax amount will be 16, 24, 32, 40, or 48 cents per litre, regardless of whether the drink contains added sugar or only naturally occurring sugar. The new policy on sweets and chocolate concerns the value added tax i.e. is sales tax Proposal for sugary drinks, the tax are non-alcoholic drinks for special dietary needs or nutritional supplements 10 or greater than 50 grams per litre; or equal to or greater than 80 grams per litre; or equal to or greater than 80 grams per litre; or equal to or greater than 50 grams per litre.		the new tax	25 grams per litre; less than
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regardless of whether the drink contains added sugar or only naturally occurring sugar. Drinks exempt from this tax are non-alcoholic drinks such as milk or dairy alternative beverages, fruit juices and sweets and chocolate concerns the value added tax i.e. is sales tax		cents per liter,	litre.
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sugar or only naturally occurring sugar. Drinks exempt from this tax are non-alcoholic drinks such as milk or dairy alternative beverages, fruit juices and nectars and drinks for special chocolate concerns the value added tax i.e. is sales tax but reflects on final price but reflects on final price Drinks exempt from this tax are non-alcoholic drinks such as milk or dairy alternative beverages, fruit juices and nectars and drinks for special dietary needs or nutritional supplements		contains added	by producers/distributors,
naturally occurring sugar. Drinks exempt from this tax are non-alcoholic drinks such as milk or dairy alternative The new policy on sweets and nectars and drinks for special chocolate concerns the value added tax i.e. is sales tax Drinks exempt from this tax are non-alcoholic drinks such as milk or dairy alternative beverages, fruit juices and nectars and drinks for special dietary needs or nutritional supplements		sugar or only	but reflects on final price
sugar. Drinks exempt from this tax are non-alcoholic drinks such as milk or dairy alternative beverages, fruit juices and nectars and drinks for special dietary needs or nutritional supplements i.e. is sales tax Drinks exempt from this tax are non-alcoholic drinks such as milk or dairy alternative beverages, fruit juices and nectars and drinks for special dietary needs or nutritional supplements		·	·
are non-alcoholic drinks such as milk or dairy alternative The new policy on beverages, fruit juices and nectars and drinks for special chocolate concerns dietary needs or nutritional supplements i.e. is sales tax		, -	Drinks exempt from this tax
The new policy on sweets and nectars and drinks for special chocolate concerns the value added tax i.e. is sales tax beverages, fruit juices and nectars and drinks for special dietary needs or nutritional supplements			·
The new policy on sweets and nectars and drinks for special chocolate concerns the value added tax i.e. is sales tax beverages, fruit juices and nectars and drinks for special dietary needs or nutritional supplements			as milk or dairy alternative
sweets and nectars and drinks for special dietary needs or nutritional supplements i.e. is sales tax		The new policy on	
chocolate concerns the value added tax i.e. is sales tax dietary needs or nutritional supplements		· · ·	
the value added tax i.e. is sales tax supplements		chocolate concerns	· ·
i.e. is sales tax		the value added tax	
aimed at consumer		i.e. is sales tax	
allieu at consumer.		aimed at consumer.	



	Exemption: Unpackaged drinks prepared for immediate sale at the point of food delivery are excluded from the tax.				
Objective	Health related The rationale for the legal changes takes into account the health effects of excessive sugar consumption	Revenue is earmarked for public health	Health related The main goal of these taxes was to reduces the consumption of SSBs, as almost half of the Portuguese children and adolescents have a sugar intake above the maximum recommended by the WHO, with over 40% of adolescents reporting a daily intake of SSB. Additionally, SSBs are among the top 3 food/beverages that most contribute to the Portuguese population's sugar intake	Health related and finance related Revenue not earmarked for public health	No indication that the revenue is earmarked for public health
Monitoring	Monitoring of sales and consumption habits	Not present	Yes The monitoring committee was in charge of collecting and analyzing data and indicators pertaining to the impact of this taxation, namely on SSB prices, public health, food companies and	Not present	No



revenue. A formal impact assessment was carried out once, however, there is a yearly evaluation of the tax regarding volume of sales and distribution of SSB sales by tax tier Use of The revenue if fully channeled to the National Healthcare System's budget	
once, however, there is a yearly evaluation of the tax regarding volume of sales and distribution of SSB sales by tax tier Use of The revenue if fully channeled to the National	
yearly evaluation of the tax regarding volume of sales and distribution of SSB sales by tax tier Use of revenue The revenue if fully channeled to the National	
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Use of The revenue if fully channeled to the National	
Use of The revenue if fully channeled to the National	
revenue channeled to the National	
Healtheans Custom's budget	
Healthcare System's budget	
and since 2023, it was	
defined that a part of the	
revenue of this tax should be	
used for health promotion	
measures	
Impact and In Finland, In the first year of	
policy population health implementation, there was a	
effectiveness surveys are carried drop of 4.% in SSB sales, and	
out regularly. These a reduction of almost 50% in	
data can then be the sales of drinks with a	
used in evaluation sugar content above	
of f.e. obesity, 8g/100mL, either due to the	
nutrition, food reformulation of products,	
habits, to the transference to the	
consumption of other drinks	
taxed at a lower rate or to an	
acquired preference for	
consuming lower sugar	
beverages. Between 2016	
and 2017, there was a	
reduction of 15% in the total	
volume of sugar consumed,	
representing 5630 tons of	



sugar. The tax triggered a
reformulation of the SSB.
While, in 2017, 30.5% of SSB
sold had over 80g of sugar/L,
in 2023, it had dropped to
19.5%. Also, from 2019 to
2023, there was a 54%
increase in the SSB sales in
the lowest tier (under
25g/L). between 2018 and
2022, there was a decrease
of 20.5% in average sugar
content of SSB, far beyond
the initial target of 10%



8. Provision 1

All countries have in place some form of regulation when it comes to food service activities implemented in schools and early childhood education services, guided by monitoring and evaluation to ensure proper implementation of these guidelines. In Estonia, Slovenia and Portugal, these standards/guidelines/regulations are mandatory, whilst in the other countries, they are voluntary. All countries have food group based standards (Estonia is transitioning to these type of standards), but in Italy, Spain and Slovenia (and currently Estonia) there are also nutrient-based standards.

In Estonia, Portugal and Slovenia, there are also monitoring provisions in place, and in Slovenia even enforcement provisions when schools or persons responsible fail to adhere to these standards.

In Finland, school meals are free for everyone. In Estonia, the government pays 1 euro per child to purchase the raw ingredients, the rest (partially or whole) is paid by local government. Slovenia subsidizes school meals for the most deprived children.

Additionally, there are also mandatory standards/regulations/guidelines in place with regards to vending machines in Slovenia and Portugal, and in Estonia, these will be made mandatory in the new regulation. These regulations prohibit the presence of vending machines on school grounds or what they can contain or where they can be placed (f.e. there is the possibility in Slovenia to place a vending machine for hot beverages in the teacher's lounge).

Table 8: Data collected on provision 1 by the different countries

	Estonia	Finland	Italy	Portugal	Slovenia	Spain
Evidence	Yes	Yes	Yes	Yes	Yes	Yes
Specifics	In Estonia, currently in	Early Childhood	There are Italian	Food group based	1) National dietary	Overarching
	force are nutrition	Education Plan by	guidelines for	standards	guidelines for healthy	principles/
	based standards	Finnish National	meals provided		nutrition in	guidelines established
	Regulation: "Health	Agency for Education	by the schools	Policies around	kindergarten and	at the national level
	protection	2018: A child	for children up	restriction/	schools	that could influence
	requirements for	attending day-care or	to 13 years of	elimination of	2) EU school Scheme	the implementation
	catering in preschools	family day-care must	age. However,	choice	3) Project: the	of nutrition policies.
	and schools" 2008	be provided with	these guidelines		Traditional Slovenian	
		balanced nutrition.	are not legally	Policies around	Breakfast	1) Interinstitutional
	Work is ongoing to	Mealtime should be	binding for food	provision of fruit	4) Healthy eating	Cooperation Program
	replace it with a new	appropriately	procurement.	and vegetables (EU	guidelines for	for the Promotion of
	regulation, if this is	organized and guided.		Fruit and	students with	Healthy Eating Habits
	adopted, Estonia will			Vegetable Scheme)	menus/subsidized	and Physical Activity
	have food based	Early Childhood	Health related		student meals	(PAAS-HAP):
	standards	Education Act	policies			



	540/2018, §11		Policies around	5) Recommendations	This program extends
Health related policies	Nutrition and Meals:	The objective is	food on events, if	for filling food vending	its efforts beyond
	"child in early	to guarantee	the food is	machines	schools to promote
	childhood education	balanced meals	provided by school		healthy eating habits
	must be provided with	ensuring variety	bars or school	All health related	and physical activity
	healthy and necessary	and adherence	vending machines	policies	in other public sector
	nutrition that meets	to the			settings such as
	the child's nutritional	Mediterranean	Dispatch no.		-
	needs."	diet pattern.	8127/2021 defines		public parks,
		Then the	what food		community centers,
	Basic Education	guidelines aim	products cannot		and recreational
	Curriculum	to promote the	be available in		facilities.
	Framework by Finnish	consumption of	school bars and		
	National Agency for	sustainable	vending machines,		
	Education: "The	food to avoid	as well as the		2) Dietary guidelines
	purpose of school	food waste.	products that may		for the Spanish
	meals is to support		or must be made		population
	students' healthy		available in those		
	growth and		settings;		
	development, learning		- Circular		
	ability, and food		3097/DGE/2018		
	competence. Each		establishes the		
	school day, all		guidelines to		
	students participating		follow when		
	in education are to be		designing school		
	provided with a		menus, including		
	balanced and free meal." Basic		the types,		
			frequency and		
	Education Act		portions of foods		
	(13.6.2003/477)		to serve, and which foods		
	Early Childhood		should not be		
	Education Curriculum		made available.		
	Education Curriculum		made available.		



	ework 2014.		
"Obj	ectives and key		
princ	iples of		
	nizing meals and		
	education in		
	childhood		
I	ation."		
Decis	sion		
	7/200/2017 of the		
	sh Tax		
	inistration, §12:		
	tion Benefit		
	ived by Education		
	onnel. The value		
	e nutrition		
	fit received by		
	care and school		
	during the		
	rvision of		
	ren's/pupils'		
	s is €4,80 per		
mean	in the year 2023.		
	tional Education		
	tional Education		
	31/2017, § 100:		
Right	to Free Meals.		
	s Cocca do m		
	er Secondary		
	ol Act		
	2018/714, § 35:		
	ent Social		
Bene	fits: 'In upper		



secondary education	
intended for young	
people, students have	
the right to a free	
meal.	
4 national nutrition	
and meal	
recommendations by	
the National Nutrition	
Council: - Health and	
Joy from Food. Early	
Childhood Education	
Meal	
Recommendations.	
2018 Eat and Learn	
Together. School Meal	
Recommendation.	
2017 Well-being and	
Community from	
Meals - Meal	
Recommendation for	
Vocational Institutions	
and Upper Secondary	
Schools. 2019 Well-	
being and Study	
Performance through	
Meals - Meal	
Recommendations for	
University Students	
2021.	



Responsible Ministry of Social Affairs NIHD (The Ministry of Regional Affairs and Agriculture Other relevant Such as advertisements, product samples, or promotional gifts may not be distributed to minors through schools and educational institutions (The Ministry of Education and Culture) Ministry of Social Agency for Education Ministry of Education Ministry of Ministry of Ministry of Education Education and With the technical Mational Ministry of Agriculture, Fisheries			School Sponsorship and Other Marketing in Schools. Consumer Ombudsman's Statement 1997. School sponsorship is one form of marketing, and the same rules apply to it as to other forms of marketing. The guidelines are intended for companies planning commercial cooperation with				
Responsible Ministry of Social Affairs Agency for Education Affairs of Regional Affairs and Agriculture Other relevant Anot be distributed to minors through schools and education minors through schools and education minors through schools and educational educational ministry of Ministry of Ministry of Health Ministry of Education Ministry of Education Ministry of Education Ministry of Ministry of Education Ministry of Min			intended for companies planning commercial cooperation with schools. "Marketing materials such as advertisements, product samples, or				
Affairs Agency for Education NIHD (The Ministry of Education and Ministry of Regional Affairs and Agriculture Other relevant Agency for Education Agency for Education Health Directorate- Ministry of Education Amount Directorate- Ministry of Education Agriculture, Forestry Education and With the technical National institute of Agriculture, Fisheries			not be distributed to minors through schools and educational				
agencies support of the Public Health and Food	Responsible	Affairs NIHD Ministry of Regional Affairs and Agriculture Other relevant	Agency for Education (The Ministry of Education and	•	Education; Directorate- General of Education and with the technical	Ministry of Education Ministry of Agriculture, Forestry and Food National institute of	education and Vocational training 2) Ministry of Agriculture, Fisheries



Types	Standards/regulations	The Ministry of Agriculture and Forestry The Finnish Competition and Consumer Authority (the Ministry of Economic Affairs and Employment) The National Nutrition Council Standards/regulations	Standards/	Directorate- General of Health, Ministry of Health	National Education Institute Slovenia Standards/regulations	Guidelines,
Types	/guidelines for School meals Food in vending machines	/guidelines for school meals Standards/regulations /guidelines for food for promotions	regulations /guidelines for school meals	nutrition standards through regulation Standards/ regulations /guidelines for School meals Food at events Food in vending machines	/guidelines for 1) school meals, food in vending machines, food in other occasions 2) distribution of free food, food for promotions 3) food at events 4) school meals 5) food in vending machines	regulations
Types of school included	Kindergarten Primary school Secondary school	Kindergarten Primary school Secondary school Universities/college	Kindergarten Primary school	All public schools and schools with state funding	1) Kindergarten, primary and secondary schools 2) primary school 3) kindergarten, primary school, secondary school 4) universities, college	Primary schools, Secondary schools Universities Hospitals and Primary Health care centers, Other public sector settings such as



Standards Nutrient based standards (current) standards Food group based standards (production production produ	d Nutrient based standards Food group based standards Trans fats Saturated fats Sugar Salt/sodium	Nutrient based standards Food group based standards Trans fats Saturated fats
standards (new)standardsNutrientTrans fatsSaturated fatsbasedSaturated fatsSugarstandardsSugarSalt/sodium	standards Trans fats Saturated fats Sugar	standards Trans fats Saturated fats
based standardsSaturated fats SugarSugar Salt/sodium	Saturated fats Sugar	Saturated fats
Salt/sodium Other (total energy intake, total fats, carbohydrates, proteins, fiber and iodin) (18–20)	Other (fiber) The specific standards are present in several places in the guidelines or is limited in different ways. Table 2 (pp. 32-34) lists the restrictions on ordering particular food groups (the restrictions vary between groups). Table 7 (p. 54) lists the restrictions by age group for the full day intake depending	Sugar Salt/sodium Other (fiber) (21)



				offered by the establishment. Table 12 (p. 78) gives recommended daily intakes by age and sex, which are not fully mandatory (except for those nutrients already mentioned in the above tables), but only encourage monitoring as part of the research work.	
Specify	Total energy content (kj/kcal); proteins, carbohydrates and fatty acids contents in grammes and as % of energy. Vitamins and minerals contents are given as indicatives (i.e. not mandatory). In the Annexes to the Regulation specific ranges are defined for total energy, proteins, carbohydrates and	There is no regular monitoring associated with other regulations and recommendations and their implementation, but the nutritional content of meals for university students is monitored. The Social Insurance Institution of Finland (Kela) monitors the use of the grant granted to student restaurants under the State Aid Act		For trans fats: regulation on the maximum allowable trans fatty acids content in foodstuffs. This regulation prohibits trans fats in foods	Regulations on salt, and trans fats



		11			
	fatty acids content for	(688/2001) and how			
	each age group.	the restaurant			
	Specifically:	adheres to the			
	*) saturated and trans	Government Decree			
	fats - less than 10% of	on the Basis for			
	total energy content;	Supporting the Meals			
	*) added sugars - less	of University Students			
	than 10% of total	(375/2020). Attention			
	energy	is also paid to the			
	content;	implementation of the			
	*) salt/sodium -	criteria of the meal			
	maximum permitted	recommendation for			
	levels in grams	university students in			
	depending on the age	the monitoring.			
	group.				
	All Estonian				
	preschools and				
	general education				
	schools – children are				
	divided into groups				
	based on the				
	nutritional needs of				
	their age				
Stage	Implementation	Implementation		Implementation	Implementation
				4) currently under	
				revision	
Type of	Mandatory nutrition	Voluntary nutrition		1) Mandatory	Voluntary nutrition
regulation	standards through	standards		nutrition standards	standards
	regulation	(Otherwise voluntary		through regulation	
		except the nutritional		2) Voluntary nutrition	
		content of meals for		standards	
		university students			



Food group based standards	All food groups included	where standards are mandatory for students restaurants to obtain the financial support by the Social Insurance Institution of Finland (Kela))	Specific food groups included		3) Voluntary nutrition standards 4) Mandatory nutrition standards 5) Nutrition standards through co-regulation All major food groups, with an emphasis on the recommended food groups	All major food groups, with an emphasis on the recommended food
Specify	The new regulation sets clear restrictions on food choices. E.g. the following foods should not be in the menu: foods containing high-intensity sweeteners, azo dyes and flavour enhancers; deep-fried (prepared with copious amounts of fat); instant mashed potatoes or sulphited potatoes; fruit/berry preserves with added sugar; confectionary, cookies and other sweets; drinks with added sugar, energy and sports drinks;	Recommendations and standards concern all components of a meal including side dishes, like drinks, bread, salad and salad dressings (18–20)	The guidelines set the frequency of consumption of vegetables and fruits, bread and cereals, legumes, potatoes, fish, eggs, cheese, meat and delicatessen meat. These guidelines do not set the portion sizes (22,23) The local health authority prepares the	Includes all food available on school premises beyond school hours, all food available on school premises in general, all food in canteen/tuck shops and in vending machines		groups Spanish agency for food safety and nutrition Ministry of Consumption: RECOMMENDATIONS HEALTHY DIETETICS AND SUSTAINABLE supplemented with recommendations (2022) of physical activity for the Spanish population (24)



products high in	school meals		
caffeine; ketchup,	following the		
mayonnaise and	guidelines and it		
other industrially	controls that		
prepared sauces.	canteens follow		
There are also	the food safety		
restrictions, e.g.	requirements		
smoked and salted	which are		
fish can be offered	mandatory		
only once per			
fortnight, meat			
products once per			
month etc. Butterfish			
cannot be served in			
preschools and			
schools. Fruits (except			
juice and dried fruits			
and berries) and			
vegetables (except			
potatoes, sweet			
potatoes, olives,			
avocado and juice)			
should be in the menu			
every day. The			
minimum amount of			
grams are given in			
the new Regulation.			
The menu may differ			
from the usual on a			
few days per year,			
however, the required			
amount of total			



	energy needs to be provided.					
Stage	In development	Implementation	Implementation	Implementation	Implementation	Recommendation (Implementation)
Type of regulation	Mandatory nutrition standards through regulation	Voluntary nutrition standards	Voluntary nutrition standards	Mandatory nutrition standards	The School Nutrition Act defines the mandatory use of dietary guidelines Yes:	Voluntary
Monitoring	For the first 10 years (from 2008 to 2018) the Health Board recurrently monitored how school canteens followed the provisions in the Regulation. Now they monitor the situation in a school if a complaint has been made. Regarding the new regulation, monitoring, evaluation and funding provisions are unknown at the moment.	The implementation of nutrition recommendations in early childhood education and educational institutions in not actively monitored. However, in Finland, a comprehensive national school health survey is conducted every other year, which includes questions about the consumption of school lunches and their components. Currently, a national children's nutrition survey is being developed	INO	For dispatch no. 8127/2021 (school bars and vending machines): An online survey was sent to schools to assess compliance; For circular 3097/DGE/2018 (school meals): there is an online tool (SPARE+ - School Meal Planning and Evaluation System) designed to allow school staff as well as parents/caregivers to evaluate the quality and adequacy of school meals.	School Nutrition Act - Self-evaluation follow-up questionnaire for all schools and follow-up with counseling (implemented by NIPH) - Questionnaires for pupils and for the person in charge - School by school evaluation	INO



				For dispatch no. 8127/2021 (school bars and vending machines): There was an evaluation in 2022; the next one is scheduled for 2024.		
Funding	Yes: implementation In order to provide children with food, the state pays 1 euro per child for purchasing the raw ingredients. The rest will be covered either whole or partially by the local government.	No	No	No	Yes: monitoring, evaluation and implementation	No
Enforcement	Yes The Health Board may make injunctions in cases where the provisions are not followed. And injunction is an administrative act that imposes obligations to do or not to do certain activities	No	No	No	Yes: The inspectorate of the Republic of Slovenia for Education and Sport supervises schools in relation to the organization and operations of school catering activities; Fines €1000 - €2000 for schools €100 - €1000 for person in charge of the school	No



Impact and		A comprehensive		Approximately	Public procurement of	/
policy		national school health		30% of schools had	food provides the	
effectiveness		survey is conducted		one or more	opportunity to drive	
		every other year,		forbidden foods	local and regional	
		which includes		available in food	food economies	
		questions about the		bars, while a	towards more	
		consumption of		similar percentage	sustainable paths	
		school lunches and		did not made	•	
		their components.		available one or	Reduced use of sugary	
		Currently, a national		more mandatory	drinks, more fruit and	
		children's nutrition		food products;	vegetables, more	
		survey is being		regarding vending	frequent breakfasts,	
		developed.		machines, close to	more balanced meals	
		Research conducted in		50% had at least	in ECEC	
		Finland has found that		one forbidden		
		school meals are		food product,		
		nutritionally the best		while 97.5% did		
		meal of the day for		not provide one or		
		many children		more mandatory		
				food products.		
Vending	Voluntary guidelines	No	No	Mandatory	Specific policy for	Present: the Law
machines				regulations	vending machines:	1/2010 of March 1,
	Will become	Vending machines can	Vending		School Nutrition Act	on Retail Trade
	mandatory in the new	be present	machines can	Vending machines	Vending machines for	Regulation in Spain
	regulation		be present.	must not contain:	the distribution of	was enacted in
			There are no	- cakes and	food and drinks may	accordance with the
	The guidelines are		limitations for	pastries;	not be installed on the	provisions of
	based on		foods sold by	- salty pastries	premises of schools	Directive
	national dietary		the vending	(pies, samosas,	and educational	2006/123/EC of the
	guidelines. The main		machines	croquettes, etc.);	establishments and on	European Parliament
	aim is to make healthy			- breads with	the area adjacent to	and of the Council
	food choices more			sweet fillings;	their school premises	concerning services in
	available and restrict					the internal market.



the choice of	- delicatessen,	Exception: vending	The main objective of
unhealthy ones in	including	machines for the	this legislation is to
order to provide	sandwiches or	distribution of hot	establish rules that
children with	other products	drinks may be	regulate the exercise
nutrients and prevent	containing chorizo,	installed in chambers	of retail trade activity
obesity. For example,	sausages,	or premises intended	in Spain
the following foods	mortadella,	exclusively for the use	iii Spaiii
are not considered	prosciutto or	of employees of the	No limits to what it
suitable for selling in	bacon;	school or educational	can contain –
cafes and vending	- sandwiches or	establishment	everybody has access
machines: foods	other products	establishment	everybody has access
containing azo dyes,	containing		
high-intensity	ketchup,		
sweeteners and	mayonnaise or		
flavour enhancers;	mustard;		
deep-fried products;	- cookies and		
energy drinks and	biscuits;		
sugary soft drinks;	- soft drinks and		
confectionary; snacks	energy drinks;		
with high salt content	- candy, caramels,		
etc. In addition,	chewing gum with		
information about	added sugar,		
healthy eating (e.g.	lollipops and		
posters with the food	gummies;		
pyramid or plate	- sweet or salty		
rule) should be in	snacks, chips,		
close proximity to the	popcorn, etc.;		
point of sale.	- sweet desserts		
point of sale.	(chocolate		
	mousse, rice		
	pudding, custard,		
	etc.);		



			- cereal bars and		
			single doses of		
			breakfast cereal;		
			- ready-to-eat		
			meals such as		
			hamburgers,		
			hotdogs, pizza,		
			lasagna, etc.;		
			- chocolates;		
			- alcoholic drinks;		
			- sauces, namely,		
			ketchup,		
			mayonnaise and		
			mustard;		
			- chocolate		
			spreads and		
			spreads with		
			added sugar;		
			- ice-cream.		
			Hot drinks		
			automatic		
			machines must not		
			serve hot		
			chocolate or add		
			more than 5g of		
			sugar per drink.		
Included	Primary school,		All public schools	Kindergarten, primary	Kindergarten, primary
	secondary school		and schools with	school, secondary	school, secondary
			the state funding	school	school,
					universities/college
Branding	No restrictions		Restriction of	No restrictions	No restrictions
			branding of the		



		vending machines	
		(PROMO4)	

^{*}For Slovenia, numbers agree with types included in the different policies (so 1), the National dietary guidelines for healthy nutrition in kindergarten and schools, contains standards/regulations/guidelines for school meals, food in vending machines and food in other occasions)



9. Provision 2

Most governments, with the exception of Italy, also have guidelines or regulations in place for a definite set of government settings (like hospitals, prisons, ...). Estonia, Portugal and Spain have specific, mandatory regulations in place for the settings included, Slovenia and Finland rely on a voluntary implementation of the guidelines. Portugal conducted a study on public support (2018), and found that 82.1% of the Portuguese population agrees with the implementation of these measures to promote a healthy diet.

Table 9: data collected on provision 2 by the different countries

	Estonia	Finland	Italy	Portugal	Slovenia	Spain
Evidence	Yes	Yes	No	Yes	Yes	Yes
Specifics	Three settings	The National Nutrition		Yes (Dispatch No. 7516-	PUBLIC PROCUREMENT	While there are
	where food service	Recommendations		A/2016, which	STANDARDS	overarching guidelines
	activities have	consider all public sector		determines the food	Public Procurement Act	and principles
	clear and	catering services		supply in Automatic	as public food	established at the
	consistent	Health from Food. Finnish		Vending Machines at	procurement	national level, the
	requirements laid	Nutritional		Ministry of Health	is managed at the	enforcement and
	down in legal acts	Recommendations 2014.		institutions and Dispatch	national level. PFP is	detailed implementation
	1) Regulation	New recommendations will		no 11391/2017, which	based on national	may vary across different
	regarding food	be published in 2024		determines the food	legislation on public	autonomous
	service in health	Nutritional		supply in bars, buffets	procurement and	communities.
	care and social	Recommendations for		and cafeterias of the	recommendations such	
	welfare institutions	University Students -		Ministry of Health	as food-based dietary	1) Comprehensive Plan
	2) Regulation	Health from Food 2016		institutions, both	guidelines. Slovenia	for the Promotion of
	regarding rations	Well-being and Community		forbidding the inclusion	transposed EU	Physical Activity and
	of food in	through Eating - Nutritional		of HFSS foods and	legislation on public	Balanced Nutrition
	detention facilities	Recommendations for		promoting healthier	procurement by	(PAAS): this plan sets out
	3) Regulation	Vocational Schools and		alternatives)	utilizing an	guidelines and actions to
	regarding rations	High Schools. 2019			exemption in public	promote physical activity
	of food for crew	Vitality for Senior Years:		Settings included: all	procurement Directive	and balanced nutrition
	members of board	Nutritional		ministry of health's	to	across various public
	ships	Recommendations for the		institutions (hospitals,	achieve short food	sector settings
		Elderly. 2020 Nutritional		primary care health	chains.	(hospitals, government
		Therapy.		centers and all		



Additionally: internal regulation regarding rations of food in the defense forces (not publicly available)

All health related policies

Recommendations for Hospitals, Health Centers, Service and Care Homes, and Rehabilitation Centers (2023). - Developing Mass Catering in Finland. Recommendations of the Monitoring and Development Working Group for Mass Catering. Ministry of Social Affairs and Health 2010. - The diet of conscripts and prisoners follows national nutritional recommendations.

Responsible Food Service Procurement Guide (2021) which are especially targeted for catering services.

Nutrition commitment is a Finnish operating model, which helps and encourages food business operators and stakeholders to improve the nutritional quality of the Finnish diet and to encourage nutritionally responsible practices. A target-oriented and measurable

institutions of the Ministry of Health)

Objective was health related, inadequate eating habits, high blood pressure and high BMI are among the leading factors contributing to DALY in Portugal; All National Health System (SNS) facilities must be health-promoting environments and, therefore, should encourage the adoption of healthy behaviors, in agreement with other policies.

The PFP procedure also includes quality schemes (20% by quantity) and other criteria (selection criteria, award criteria, GPP). 12% of purchased food must be organic and public institutions can procure local products on purchase form from a local farmer, without a public tender, due to the legislative exemption

FOOD REGULATION IN PRISON

- Law on the
 Enforcement of
 Criminal Sanctions
 (ZIKS-1), Article 44: The
 food provided to the
 prisoner shall be
 sufficient to maintain
 his health and physical
 fitness.
- Rules on the enforcement of prison sentences,

offices and military facilities 2) NAOS Strategy (Nutrition, Physical **Activity and Obesity** Prevention): aims to promote healthy eating and physical activity across different public sector environments to prevent obesity. This includes initiatives targeting workplaces, prisons and other public institutions 3) Dietary Guidelines for the Spanish Population: these guidelines provide evidence-based nutritional recommendations that can be applied not only in school cafeterias but also in other public sector food service establishments such as hospitals, prisons and government canteens 4) Health Public **Procurement Policies:** National policies promoting healthy public procurement practices



		commitment provides an excellent tool for such bodies as companies and corporations to improve their own nutritional responsibility.		Article 22/Food provision: The diet is balanced, varied and adapted to the daily energy needs of the inmates. GUIDELINES 1) Healthy menu practice nutrition of patients in hospitals and the older people in homes for the elderly (2008) 2) guidelines for the implementation of nutritional care in care homes for the elderly (2020)	can influence food service activities in various public sector settings by encouraging the purchase and provision of nutritious food options in government-run facilities and institutions
Pesnonsible	Ministry of Social	The Finnish National	Ministry of Health DGS	Health related policies	1) Ministry of Health
Responsible	Ministry of Social Affairs	The Finnish National Agency for Education (The Ministry of Education and Culture) The Ministry of Agriculture and Forestry The Finnish Food Authority National Nutrition Council	Ministry of Health, DGS	1) Ministry of Health 2) Ministry of Health, Ministry of Labour, Family, Social Affairs and Equal Opportunities + National Institute of Public Health, Chamber of Commerce and Industry of Slovenia, Community of social	1) Ministry of Health, Consumer Affairs and Social Welfare 2) Ministry of Health 3) Ministry of Agriculture, Fisheries and Food



				institutions, Institute of	
				· ·	
0.1			-1	Oncology, Ljubljana	
Coherence		These recommendations	This measure is part of	Part of the National	See above
		are in coherence with	the National Program	Programme for	
		other nutrition	for Healthy Eating	Nutrition and Physical	
		recommendations	Promotion (PNPAS) and	Activity 2015-2025	
			is aligned with axis 1 of		
			the multisectoral		
			Integrated Strategy for		
			the Promotion of		
			Healthy Eating (EIPAS) to		
			"modify the		
			environment where		
			people choose and buy		
			food by modifying the		
			availability of food in		
			certain physical spaces		
			and promoting the		
			reformulation of certain		
			categories of food".		
			PNPAS is national health		
			priority program and		
			EIPAS is a		
			interministerial strategy		
			of 7 different ministries		
			(Finance, Internal		
			Affairs, Education,		
			Health, Economy,		
			Agriculture, and Sea		
			Ministries).		
Stage	Implementation	Implementation	Implementation	Implementation	Implementation



Types of	Policies around	Policies around canteens			Policies around	Policies around vending
policies	canteens	Policies around public	•		canteens	machines and canteens
		procurement standards	•		Policies around public	in public institutions
			i		procurement standards	
Туре	Mandatory	Voluntary nutrition		Mandatory nutrition	Voluntary nutrition	Mandatory
	nutrition standards	standards	•	standards through	standards	
	through regulation		i	regulation		
Inclusion of	Yes	No			Yes	See above
special	Following the		•		1)	
populations	abovementioned		•		- oncology patients	
	groups		i		- renal disease patients	
			i		- gastroenterology	
			•		patients	
			i		- patients with liver	
			•		disease	
			•		- patients with diabetes	
			•		2)	
			•		- older people in	
			i		institutional care	
Support	- Training available	Mass communication for	1	According to a study	- Use of mass	Government support
	for caterers	dissemination of guidelines	•	conducted in 2018,	communication for	(recommended
	- Government		•	82,1% of the Portuguese	dissemination of	guidelines)
	support (training	Training available for	•	population agree with	guidelines	
	course	caterers	•	the implementation of	- Training available for	
	organization)		•	this measure to	caterers	
		Government support	•	promote a healthy diet.	- Government support	
		(There is no established	i		(recommended	
		regular funding from the	i		guidelines)	
		government to promote	i			
		these recommendations,	i			
		but government has	i			
		provided for example				
		financial support to				



		[]			T
		implement and			
		disseminate the new			
		Nutritional Therapy			
		guidelines			
Monitoring	No	No	Yes	Yes: (for 2))	No
			An evaluation was	Guidelines recommend	
			carried out by the	that each home for	
			Inspectorate-General for	older people organize a	
			Health Activities (IGAS)	nutrition team	
			of approximately 200	consisting of at least	
			(out of the 1751)	the head of a member	
			vending machines	of the health team, a	
			available in National	resident representative	
			Health System (SNS)	and a family	
			facilities in 2018.	representative	
Funding	Yes, for	No	No	No	No
	implementation				
Enforcement	No	No	No	No	No
Impact and			The IGAS inspection		
policy			suggests a general		
effectiveness			compliance with the		
			dispatch by not making		
			available forbidden		
			products in vending		
			machines in SNS		
			facilities, despite an		
			observed lack in variety;		
			furthermore, most		
			vending machines did		
			not provide some of the		
			recommended food		
			products, with none of		
			the equipment included		



		in this inspection having	
		fresh fruit (one of the	
		recommended foods).	



10. Monitoring

Within CODIET, there is a special focus on monitoring and evaluation practices of policies within a country, to assess the degree of implementation, to monitor degree of adherence to the policy and to assess the impact of the policies. The results, as provided in Table 10, however, indicate that there are only a limited set of monitoring and evaluation practices present in the participating countries.

Monitoring 1, as discussed also in detail per indicator, handles the systems, implemented by the governments, that are in place to regularly monitor food environments. As indicated before, there are some monitoring systems in place specifically for the marketing restrictions within different countries (Portugal, Estonia, Slovenia, Spain). There are also some monitoring systems in place for food offered within the school environment (Portugal, Spain, Finland and Slovenia), although in Slovenia, this is not on a regular basis.

Monitoring 2 provisions, which includes the regular monitoring of the adult and childhood nutrition status and population intakes against specified intake targets or recommended daily intake levels, are present in Estonia, Finland, Portugal, Slovenia and Spain (although for the latter, these are independent research projects rather than government provisions). Here, there are different means to monitor the nutrition status. Portugal and Estonia both use for the children COSI, and Estonia, Slovenia and Portugal all use the HBSC. In addition, there are surveys such as the Health Behaviour among Estonian Adult Population Study, the National Food, Nutrition and Physical Activity Survey (Portugal), the Sl.Menu (although this was a single analysis) in Slovenia, and the Children European Health Interview Survey in Slovenia also has the CINDI Slovenija programme, whose main emphasis was on preventing and overcoming chronic non-communicable diseases. These are all provisions which include both children and adolescents, using different techniques such as food frequency questionnaires, food diaries and 24h urine collection. With the exception of Sl.Menu, these are all monitoring provision that have a repeating time frame. Finland uses its own set of surveys for the adult population every five years, and a pilot survey to monitor the diet of children between 12-16 years old has been piloted and the full scale survey will be conducted in autumn 2025. In addition, they also use school health surveys every second year, which assess the food habits of children and 5th grade, 8/9th grade and youth at secondary school (16-17 years old).

Monitoring 3, which looks into the adult and childhood overweight and obesity prevalence, is again installed in Estonia, Finland, Portugal and Slovenia, with Spain having provisions, but on the level of independent research projects and not on governmental level. Estonia solely relies on the data gathered with COSI, Portugal on the data gathered with COSI, the National Health Survey with Physical Examination, HBSC (self-reported) and the National Food, Nutrition and Physical Activity Survey. Finland relies on the health monitoring surveys carried out regularly. Health and weight are measured in surveys. For children, data are based on height and weight measurements taken at health care visits in child health clinics or school health care. Slovenia relies on both self-reported data (by EHIS? CINDI and HBSC) and measured data (SLOFit, SL.Menu and EHES). All of these are recurrent analyses, so trends can be followed over time.

For Monitoring 4, all countries have surveillance systems in place for NCD prevalence. Again, Spain relies on independent research projects, but the other countries have governmental systems in place. These are all repeated monitoring provisions, to follow the trends over time in development of NCDs within a population.

Monitoring 5, which includes the evaluation of major programs and policies, is less frequently present. Estonia has a health System Performance Assessment framework, which acts as a tool for stakeholders and policy makers to guide healthy reforms in an evidence-based an targeted manner. Spain has regular evaluations to assess the effectiveness of interventions, policies and public health programs in achieving their intended goals and Portugal



indicates that, for some, there is a monitoring plan associated, which will vary depending on the type, scope, funding and responsible entity for said program/policy.

Lastly, for monitoring 6, with entails the monitoring of the progress towards reducing health inequalities of health impacts in vulnerable populations and social and economic determinants of health. Only Slovenia and Spain explicitly mention understanding health disparities and reducing health inequalities, ensuring all actions and activities contribute to reducing the gap in health inequalities. Portugal also mentions the notion of equity, but only with regards to FOP labelling. And lastly in Finland, the results of the surveys that are used (monitoring 1-4) are also reported by population groups. In addition, separate surveys are carried out for some minorities, such as immigrants and ethnic minorities.

Table 10: data collected on monitoring provisions by the different countries

	Estonia	Finland	Italy	Portugal	Slovenia	Spain					
MONITORING	L										
Monitoring systems, implemented by the government, are in place to regularly monitor food environments (especially for food composition for nutrients											
of concern, foo	of concern, food promotion to children and nutritional quality of food in schools and other public sector settings) against										
codes/guidelin	codes/guidelines/standards/targets										
Evidence +	The Regulation	Yes	No	Yes	Regular monitoring	Regulatory					
Specifics	"Health protection	In Finland, some		Food composition:	of food composition	Frameworks:					
	requirements for	related activities exist,		food reformulation	for nutrients was	Spain has					
	catering in preschools	which are also		agreements regarding	proposed in	established					
	and schools" (PROV1)	monitored		sugar, salt and trans	recommendations in	comprehensive					
				fats (COMP1)	JA BestReMaP	regulatory					
	Media Services Act	1. National Food		Law regulating food		frameworks,					
	(PROMO1)	Composition Database		marketing targeting	Monitoring of food	including laws and					
		(FINELI). A database		children (PROMO 1-4)	promotion to	regulations, to					
	Advertising Act and	maintained by the			children in not	govern food					
	Consumer Protection	Nutrition Unit of the		Mandatory nutrition	regular	safety, nutrition,					
	Act (PROMO4)	National Institute for		standards for bars		and related					
		Health and Welfare,		and vending	Monitoring of	aspects. The legal					
	Surveillance of	containing		machines in schools	nutritional quality of	frameworks cover					
	Estonian Agriculture	information about the		and SNS institutions	food in schools is	areas such as food					
	and Food Board by	average nutrient		as well as for school	not regular	labeling, product					
	taking samples of	composition of foods		meals (PROV1 and		standards, hygiene					
	trans fats in food	consumed in Finland		PROV 2)		practices, and					
	products	and foods used in									



Finland. The food	Yes;	nutrition
database includes	- COSI evaluates the	guidelines.
information on over	nutritional status and	
4,000 foods and 55	intake in school-age	Monitoring and
nutritional factors.	children (between 6	Surveillance
2. Government	and 8 years old),	Systems:
Decree (54/2012) on	every 2-3 years (last	Various
the criteria for	round in 2021/22),	monitoring and
supporting the meals	including	surveillance
of higher education	anthropometric	systems are in
students. This decree	measurements taken	place to assess
is applied when	by trained examiners,	food
granting the state	and evaluated the	environments,
subsidy referred to in	presence of	food
section 49 of the	marketing targeting	composition, and
Student Financial Aid	children in the school	compliance with
Act (65/1994) to	setting;	nutritional
student restaurants to	- HSBC collects	standards. These
reduce the price of	information regarding	systems help
student meals (meal-	the wellbeing, health	identify trends,
specific subsidy). One	status and health	evaluate the
of the conditions is	behaviours in	effectiveness of
that the student meal	children aged 11, 13	interventions, and
meets general health	and 15 years old,	ensure adherence
and nutritional quality	through an online	to regulations.
requirements. KELA	questionnaire done	
supervises the	every 4 years (since	
fulfilment of the	1997/98);	
criteria.	- The National Health	
3. The Heart Symbol	Survey (INS), collects	
system of the Finnish	information from	
Heart Association. The	individuals aged 15	
	years and up, since	



Heart Symbol 1987, through indicates that a interviews, according particular product or to three different	
particular product or to three different	
meal is a healthier health domains:	
choice within its health status, health	
product category. The care and health	
Heart Symbol system determinants (last	
includes evaluation round, in 2015, also	
visits. included physical	
4. The school fruit examination (INSEF)	
subsidy is intended for in adults aged 25 to	
children in day-care 74)	
and basic education.	
The Finnish Food	
Authority inspects	
school milk and school	
fruit subsidies	
through on-site	
inspections. These	
inspections are based	
on Article 10 of	
Commission	
Implementing	
Regulation (EU)	
2017/39. The purpose	
of the inspections is to	
ensure that the	
conditions for	
granting subsidies are	
met. In addition to on-	
site inspections, the	
Finnish Food	
Authority reviews all	



		subsidy applications. As part of these			
		reviews, the subsidy			
		applicant may			
		sometimes be asked			
		to provide invoices or			
		delivery notes from a			
		specific site at this			
		stage.			
		5. TEAviisari is a			
		survey for			
		municipalities and			
		schools. The			
		information depicts			
		the health promotion			
		activities, that is, the			
		municipality's			
		actions to promote			
		the health and well-			
		being of its residents.			
		The survey involves			
		primary schools. The			
		schools are asked			
		about following the			
		nutrition			
		recommandations.			
Responsible	Different ministries	1. Finnish Institute for	Different ministries	Ministry of	Spanish Agency for
	and their agencies	Health and	and their agencies	Education	Food Safety and
	(see indicators)	Welfare/Finnish	(see specific	Ministry of	Nutrition.
		Food Authority	indicators)	Agriculture, Forestry	National
		/Ministry of		and food	Commission of
		Agriculture and		Ministry of Health	Food Safety
				Ministry of Finances	



		Ministry of Health and Social Welfare 2. Ministry of Education and Culture 3. Finnish Heart Association 4. Ministry of			Ministry of Public administration National institute of public health	Inter-Ministerial Committee on Food and Nutrition Regional Health Departments and Agencies Advisory
		Agriculture 5. Finnish Institute for				Committees on Nutrition
		Health and				Public Health
		Welfare/Ministry of				Committees
		Health and Social Welfare				
Included	Food composition	Food composition		Food composition	Food composition	Food composition
	Food promotion to children	Nutritional quality of food in schools and		Food promotion		Food promotion to children
	Nutritional quality of	other public sector		Food provision		Nutritional quality
	food in schools and	settings				of food in schools
	other public sector	33331163				and other public
	settings					sector settings
MONITORING	2					
	ar monitoring of the adult a	and childhood nutrition s	tatus and populatio	n intakes against specifie	d intake targets or reco	mmended daily
intake levels	<u>-</u>					
Evidence +	Yes: NIHD regularly	Yes	No	Yes	Yes	No
Specifics	conducts three studies	Finnish Institute for		In the National Food,	Adult survey:	There are
	that monitor either	Health and Welfare is		Nutrition and Physical	Sl.Menu 2017/18	independent
	children or adults	responsible for		Activity Survey (IAN-	(part of the EU	research project
	- COSI: at the	monitoring of health		AF), the intake of	Menu programme) –	conducted in different
	beginning only children in the 4 th	of the population. A FinRavinto		children under 10 years of age was	supported cross- sectional surveys on	universities to
	grade were added and	(FinNutrition) survey		evaluated through a	dietary habits,	monitor it
	the latest study	(i illivatificity sarvey		2-day food diary.	dietary intakes and	
	•				,	



d.		for odulto is souris d		fand intoless of	
	ucted in the	for adults is carried	The Metional Feed	food intakes of	
	emic year 2021-	out every five years.	The National Food,	specific population	
	also included	A pilot survey to	Nutrition and Physical	groups, in	
	ren in the 7 th	monitor the diet of	Activity Survey (IAN-	accordance with the	
grade		children between 12-	AF) used food	European Food	
	C: children in the	16 years has been	frequency	Safety Authority's	
5 th , 7 ^t	th and 9 th grade	piloted and a full scale	questionnaires to	uniform	
	nonitored	survey will be	supplement the	methodology	
- Heal	lth Behaviour	conducted in autumn	information gathered		
amon	ng Estonian Adult	2024.	through food	CINDI Slovenija	
Popul	lation Study:	In addition, School	diaries/24h-recalls;	programme, whose	
surve	y includes people	health survey that is		main emphasis was	
from	16 to 64 years of	carried out every	Also, both COSI and	on preventing and	
age		second year assesses	HBSC ask their	overcoming chronic	
		the food habits of	participants	non-communicable	
		children at 5th grade,	questions regarding	diseases	
		8th/9th grade and	intake frequency of		
		youth at	food groups (fruits,	Children	
		secondary school (16-	vegetables, etc.)	European Health	
		17 years olds).	and/or meals	Interview Survey	
			(breakfast)	(age group 15+)	
			The National Food	LIDCC	
			The National Food,	HBSC	
			Nutrition and Physical	Data for a thin Ett	
			Activity Survey (IAN-	Data from the EU	
			AF) measured salt	school scheme	
			intake through a 24h		
			urine collection in a		
			subset of		
		_	participants.		
' I	nal Institute for	Finnish Institute for	DGS, INSA	Ministry of	Spanish Agency for
Healt	h Development	Health and Welfare		Education	Food Safety and
					Nutrition



Included	Adults and children	Ministry of Health and Social Welfare Adults and children		Adults and children,	Ministry of Agriculture, Forestry and food Ministry of Health National institute of public health Adults and children	Ministry of Consumption Adults and
				depending on the monitoring systems		children
Systems	Food frequency questionnaires	Recommended daily intake levels		Food diary Food frequency questionnaire Repeated 24h dietary recall 24h urine collection	Recommended daily intake levels as preferred reporting	Food frequency questionnaires
Timeframe	COSI: every 3 years since 2015/2016 HBSC: every 4 years since 1993/1994 Health behaviour among Estonian Adult Population study: every even year (2022 = 17 th wave)	Nutrition surveys for adults are carried out every five years. Nutrion surveys for children are a new initiative. The time frame yet not known. School health surveys are carried out every second year.		Repeated, varied according to monitoring system	Sl.Menu was a single analysis Other are recurrent	Specific surveys
MONITORING3		م المالية الما	d alaadiin caasaala			
	r monitoring of adult and	_				l N.
Evidence + Specifics	Yes COSI	Yes Health monitoring	No	Yes COSI	Yes Self-reported by	No There are
		surveys carried out regularly for		the National Health Survey with Physical	EHIS, CINDI and HBSC	independent research project



		adult population	Examination (INSEF)		conducted in
		(every five years) by	(in adults)	Measured	different
		Finnish Institute for	HBSC (self-reported;	SLOFit, Sl.Menu,	universities to
		Health and Welfare.	adolescents)	EHES	monitor it
		Height and weight	the National Food,		
		measured in surveys.	Nutrition and Physical		
		FinChildren Register	Activity Survey (IAN-		
		Monitoring. The data	AF)		
		are extracted from	,		
		the Register of			
		Primary Health Care			
		Visits (Avohilmo). The			
		data are based on			
		height and			
		Weight			
		measurements taken			
		at health care visits in			
		child health clinics or			
		school health care.			
Responsible	National Institute for	Finnish Institute for	DGS	Ministry of	Research groups
	Health Development	Health and Welfare	INSA	Education	
		Ministry of Health and		Ministry of	
		Social Welfare		Agriculture, Forestry	
				and food	
				Ministry of Health	
				National institute of	
				public health	
Included	Children and	Children, adolescents	Children and	Children,	Children,
	adolescents	and adults	adolescents	adolescents and	adolescents,
				adults	adults and elders
Туре	Measured	Measured	Measured and self-	Both measured and	Both measured
reporting	Height, weight, hip	And in addition, in	reporting	self-reporting	and self-reporting
	and waist	school health surveys,			



	circumference are measured by data collectors	self-reported height and weight data exist				
Time frame	Every 3 years since 2015/2016	Recurrent		Repeated, depending on monitoring activity	Recurrent	Recurrent
MONITORING	4					
There is regul related NCDs	ar monitoring of the preva	lence of NCD metabolic ri	sk factors and occu	rrence rates (e.g. prevale	nce, incidence, mortali	ty) for the main diet
Evidence +	Yes	Yes	Yes	Yes	Yes	No
Specifics	Surveillance and	Health monitoring	CUORE Project	INE compiles,	EHIS	There are
	monitoring systems:	surveys carried out	promoted by the	analyses and	CINDI	independent
	prevalence, incidence	regularly for	Italian National	publishes several	Sl.Menu	research project
	and mortality for many	adult population	Institute of	population-based		conducted in
	diet-related NCDs,	(every five years) by	Health. It is a	indicators, including	Health statistics	different
	cancers and all causes	Finnish Institute for	surveillance	statistics regarding	yearbook	universities to
	of mortality	Health and Welfare.	system of the	mortality and health		monitor it
		Surveys include	major	indicators collected		
	NIHD collects and	also measurement of	cardiovascular	through different		
	publishes population-	serum lipids,	events in the	studies conducted by		
	based statistics on	indicators of glucose	Italian	INE and/or other		
	prevalence, incidence	metabolism and blood	population	agencies. Every 4 to 5		
	and mortality for many	pressure. Also		years a National		
	diet-related NCDs.	diseases are asked.	Epidemiological	Health Survey is		
		Survey data is also	study on a	conducted following		
		linked to registers	cohort of 30.000	the Eurostat		
		from which diagnoses	adults	recommendations		
		set at health care can		and this survey is		
		be extracted.		composed by 4		
		In addition, several		modules on health		
		registers exist in		status, health care		
		Finland:		use, health		
				determinants, and		



			I			
		cancer register,		socio-economic		
		diabetes register etc.		background variables.		
		Statistics				
		Finland reports				
		regularly causes of				
		death. From				
		Finnish Care register				
		for Health care data				
		on diagnoses and				
		visits to the health				
		service system				
		can be obtained.				
Responsible	National Institute for	Finnish Institute for	Italian National	Statistics Portugal	Ministry of Health	Research groups
	Health Development	Health and Welfare	Institute of		Health Insurance	
		Ministry of Health and	Health		Institute of Slovenia,	
		Social Welfare	Italian Regions		National Institute of	
			and autonomous		Public Health	
			provinces		Statistical Office of	
					the Republic of	
6					Slovenia	
Timeframe	Annual	Recurrent analyses	Annual	Varies per indicator	Single analysis +	Recurrent
				(repeated)	recurrent analysis	
MONITORING5						
	ns and policies are regularl	ly evaluated to assess the	eir effectiveness and	contributions to achievii	ng the goals of the nutri	tion and health
plans	The distriction	AL.		V	AL.	
Evidence +	Health System	No	No	Yes	No	Yes
Specifics	Performance			Although there isn't a		
	Assessment			one-size-fits-all tool	Evaluation of .	Regular
	framework for Estonia.			for monitoring	programmes is	evaluations are
	The HSPA framework			programs and	ongoing	conducted to
	for Estonia acts as a			policies, some do		assess the
	tool for stakeholders			have a monitoring	The frequency of	effectiveness of
	and policy makers to			plan associated,	evaluation is	interventions,



guide health reforms		which will vary	adapted to the	policies and public
in an evidence-based		depending on the	changes in habits	health programs in
and targeted manner.		type, scope, funding,		achieving their
The HSPA framework		and responsible		intended goals.
is an evaluation tool, it		entity for said		These evaluations
has many components		program/policy.		help inform
and indicators (most				decision-making,
of these have already				improve strategies
been used previously,				and ensure that
some will be fine-				resources are used
tuned and some new				efficiently.
indicators will be				Spain has
added in the future).				established
The aim of the				comprehensive
framework is to get a				regulatory
systematized,				frameworks at
comprehensive and				both the national
consistent overview of				and regional
all important				levels. These
components of the				frameworks
Estonian health				encompass laws,
system. The				regulations, and
assessment results are				guidelines
used to improve				addressing food
situational awareness				safety, nutrition,
and transparency of				and public health.
the system, to set				They set the
goals that are more				standards and
coherent and to plan				requirements for
targeted changes in				the production,
order to achieve				distribution, and
better				marketing of food
				products.



public health and a			AESAN, under the
stronger health			Ministry of Health,
system.			is a central agency
			responsible for
			coordinating and
			overseeing food
			safety and
			nutrition policies.
			AESAN plays a key
			role in risk
			assessment,
			regulatory
			development, and
			communication
			with the public
			regarding food
			safety.
			•
			Robust monitoring
			and surveillance
			systems are in
			place to assess
			various aspects of
			food safety and
			nutrition. These
			systems include
			regular
			inspections,
			sampling of food
			products, and
			health
			monitoring to
			identify and



				address potential
				risks to public
				health.
				Research and Data
				Collection:
				Ongoing research
				initiatives
				contribute to the
				understanding of
				nutrition-related
				issues and health
				trends. Data
				collection efforts,
				including
				nutritional surveys
				and health
				assessments, help
				inform evidence-
				based decision-
				making.
Methodology	The methodology used			The methodology
used for	varies depending on			used for the
evaluation	an health system			evaluation of food
	indicator: surveys,			safety, nutrition,
	data from registries,			and public health
	databases,			programs in Spain
	questionnaires,			typically involves a
	monitoring and			systematic and
	reporting, regular			evidence-based
	analyses (not done in			approach. While
	all cases) and in some			specific
	cases the			methodologies



methodology needs		may vary based on
further specification.		the nature of the
		program or policy
		being evaluated,
		some common
		elements and
		methods include:
		- Formulation of
		evaluation
		questions:
		- Development of
		evaluation
		frameworks:
		- Identification of
		Key Performance
		Indicators (KPIs)
		- Data collection
		- Quantitative
		Analysis
		- Qualitative
		Analysis
		- Cost-
		Effectiveness
		analysis
		- Comparison with
		benchmarks and
		standards
		- Reporting and
		communication
		- Continuous
		improvement



Responsible	Ministry of Social			Ministry of health
	Affairs			Spanish Agency for
				Food Safety and
				Nutrition
				Ministry of
				Agriculture,
				Fisheries and Food
				Ministry of Social
				Rights and 2030
				Agenda
				Autonomous
				Communities
				National
				Commission on
				Food Safety
				Inter-Ministerial
				Committee on
				Food and Nutrition
				Spanish Nutrition
				Foundation
				Spanish Society of
				Community
				Nutrition
Types of	The Estonian health			- Nutrition and
policies	system is monitored in			Dietary Guidelines
evaluated	a comprehensive way.			- Health
	The prevalence of			promotion
	overweight and			campaigns
	obesity and the			- School Nutrition
	morbidity of certain			programs
	diseases reflect diet-			- Food Marketing
	related activities.			and Advertising
				Regulations



Activities in the National Health Plan; including nutrition study (conducted by NHID) as data source. The HSPA scope reflects the National Health Plan (NHP), which is the main policy document/strategy on health in Estonia. The NHP operates on a ten year cycle; during this period, it sets goals with measures and activities for the health care field. The plan is divided into programmes with means and activities to achieve goals and set indicators to measure progress. There are three programme domains: healthy choices, a health-supportive environment, and person-centred health care.	T		Г	Г	
including nutrition study (conducted by NHID) as data source. The HSPA scope reflects the National Health Plan (NHP), which is the main policy document/strategy on health in Estonia. The NHP operates on a ten year cycle; during this period, it sets goals with measures and activities for the health care field. The plan is divided into programmes with means and activities to achieve goals and set indicators to measure progress. There are three programme domains: healthy choices, a health- supportive environment, and person-centred health	Activities in the				- Public Health
study (conducted by NHID) as data source. The HSPA scope reflects the National Health Plan (NHP), which is the main policy document/strategy on health in Estonia. The NHP operates on a ten year cycle; during this period, it sets goals with measures and activities for the health care field. The plan is divided into programmes with means and activities to achieve goals and set indicators to measure progress. There are three programme domains: healthy choices, a health-supportive environment, and person-centred health	·				
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Health Plan (NHP), which is the main policy document/strategy on health in Estonia. The NHP operates on a ten year cycle; during this period, it sets goals with measures and activities for the health care field. The plan is divided into programmes with means and activities to achieve goals and set indicators to measure progress. There are three programme domains: healthy choices, a health- supportive environment, and person-centred health	•				policies
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policy document/strategy on health in Estonia. The NHP operates on a ten year cycle; during this period, it sets goals with measures and activities for the health care field. The plan is divided into programmes with means and activities to achieve goals and set indicators to measure progress. There are three programme domains: healthy choices, a health- supportive environment, and person-centred health	Health Plan (NHP),				subsidies and
document/strategy on health in Estonia. The NHP operates on a ten year cycle; during this period, it sets goals with measures and activities for the health care field. The plan is divided into programmes with means and activities to achieve goals and set indicators to measure progress. There are three programme domains: healthy choices, a health-supportive environment, and person-centred health	which is the main				incentives
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	Altogether, 114 indicators are used to measure progress (including "promoting a balanced diet and physical activity" with indicators concerning the prevalence of					
	overweight and					
	obesity).					
MONITORING6						
Progress towar monitored	ds reducing health inequa	alities of health impacts in	n vulnerable populat	ions and social and econ	omic determinants of h	ealth are regularly
Evidence +	No	Yes	No	Yes	Yes	Yes
Specifics		The results of the		Although not a	Chapters related to	The country aims
		surveys mentioned at		regular occurrence, a	nutrition and	to track and
		MONITORING1-4 are		prospective Health	physical activity in	understand
		also reported by		Impact Assessment	three reports:	disparities in
		population groups.		(HIA) of a food	Inequalities in health	health outcomes
		Separate surveys are		nutrition labelling	future challenges for	among different
		carried out for some		initiative in Portugal	intersectoral	population groups
		minorities such as		was performed in	cooperation	and regularly
		immigrants and ethnic		2019, with the		assess the impact
		minorities.		supervision of the	All actions and	of policies and
				WHO, which	activities resulting	interventions on
				highlighted the need	from this document	vulnerable
				for a Government-	should contribute to	populations
				endorsed policy on	reducing health	- Health inequality
				interpretative	inequalities as a	indicators
				nutrition labelling as	result of the	- Socioeconomic
				a part of health	influence of social	determinants
				equity promotion.	determinants of safe	analysis



			and healthy eating	- Equity to access
			and physical activity	in healthcare
			for health	 Targeted public
				health
				interventions
				- Community
				health initiatives
				- Education and
				awareness
				campaigns
				- Cross-sectoral
				collaboration
				- Regular reporting
				and publications
				 Policy impact
				assessment
				- Evaluation of
				social programs
Responsible	Finnish Institute for	DGS	Ministry of health	Ministry of health
	Health and Welfare		National institute of	Spanish Agency for
	Ministry of Health and		public health	Food Safety and
	Social Welfare			Nutrition
				Specific research
				in Universities
Time frame			In principle: every	Recurrent
			four years	



11. Equity, negative consequences and awareness

For each of the indicators, equity, negative consequences and awareness were assessed.

Equity

In general, equity is taken into account in policy development and implementation, however mostly not in a direct way. Equity is considered by different dimensions in the different countries (e.g. Slovenia uses education as indicator in assessing equity (25), Estonia uses socio-economic status). In general, policies that have the intention of being universal and proportionate, like policies around composition standards (26), have a positive impact on reducing inequities in the countries (27). This however is limited to the intention of the policy.

In Slovenia, the School Nutrition Act (28) was originally adopted with more than one main equity aim. The most obvious one was providing all children with a healthy meal in school. The second equity aspect was the gender aspect. By organizing school day from 8am till 4pm and providing children with up to four freshly prepared meals in school kitchens, mothers were able to participate more equally in labor market. The fact was that in 1980s, full time employment of the active female population was about 92 %. There were some changes in the perception of the value of school meals in the last 20 years, with still quite high support to that national policy. During the Covid-19 pandemic, the public support increased again. In that times, even if the schools were closed in Slovenia, school kitchens were still providing meals for the most vulnerable, who were 100% subsidized (approximately one third of children). The same idea goes for all school nutrition guidelines, as they target every single child, and make no difference in SES. The Slovene School Nutrition Act is thus based on universal proportionalism. All children in Slovenia are getting subsidized mid-morning snacks (state and local communities are paying for the employees, who are public workers, and economic prices for a meal are a norm) and approximately one third of children are getting all meals for free (the SE status of the family of the child is defined in the structure of the Ministry of Social Affairs). The same idea counts for Finland, where the recommendations for school meals and those in public food services are targeted to everyone, without discrimination. School lunches (and day care) are free for everyone, so all children, regardless of socio-economic position can access a healthy meal at least once a day. In addition, health education and home economics are compulsory subjects in school, making the school based programs more easily transferable to the home.

In designing FOP-labels, countries indicate that equity was not considered during the process. However, it is shown in international research that FOP-labels are an effective measure to decrease inequities in healthy food choices (29). Recent studies showed that especially interpretative labels, such as the Nutri-Score, have the capacity to increase subjective and objective understanding, as well as purchase intention across all socio-economic groups (10,30).

Also for taxation, the more vulnerable groups are more impacted by price changes that the higher SES groups. Taxation has thus a desired effect in improving the healthfulness of diets, especially for lower income households (31).

Lastly, with regards to promotion, the international evidence shows that restricting the promotion of unhealthy foods decreases the health inequalities, as children from lower SES tend to be more exposed to promotions (27).





Negative consequences

For certain policies, several negative consequences are to be expected or are already in place. When considering reformulation, there is a potential effect for negative health consequences if industries replace added sugars with sweeteners. Reformulated products could also induce a price elevation, which will make people more reluctant to change to the reformulated products. In addition, as reformulated products have a new taste, the producers may lose their competitive advantage. Also an additional food waste from products withdrawn from the market because they have failed to sell due to the voluntary reformulation. Also, children might reject some foods (legumes, whole meal products), also increasing food waste. (26) However, these are speculations rather than evidence-based assumptions. Further research in these areas, for example the impact reformulation on food prices, should be investigated.

Providing information to consumers by means of a FOP-label or display information on menu boards generally generates no negative consequences for the general public.

For taxation, there is strong resistance to be expected, mainly from the industry. Slovenia and Estonia for example, observed a strong industry resistance. Slovenia has tried already to introduce this tax in 2011, 2012 and 2014, unfortunately not successful.

Awareness campaigns and public support

In general, policies addressing food environments can count on a high level of public support. Fiscal policies generally have the lowest levels of public support, but in many countries more than the majority of the population supports these measures. Portugal indicated that, according to a study conducted in 2018 (32), 61.2% of the Portuguese population agree with the implementation of a fiscal measure to promote a healthy diet. For the communication of this measure, it was taken into account that public acceptance of such fiscal measures is higher when revenue is used to fund a public cause.

In certain countries, like Slovenia, the awareness campaigns and public support have more impact on the more educated, especially women. For example, they are more actively searching for the reformulated products. Also FOP labels can enjoy great levels of public support.

Cite from website of Slovene Consumer Association:

In view of the still alarmingly high proportion of overweight and obese people in both adults and children in Europe, consumer organisations under the umbrella of BEUC, together with the European Heart Network and the European Public Health Alliance, have sent a joint letter to the European Commission asking it to come forward as soon as possible with its proposal on front-of-pack nutrition labelling.

In general, there were awareness campaigns in the different countries that entailed health messages like 'Too much salt is bad for you', 'read labels more carefully', ...



Discussion

This study reports on the analysis of the design and implementation of different policies regarding food composition, marketing restrictions to children, labeling of food products, fiscal policies, as well as the monitoring and evaluation practices in several European countries, and their linkages with health inequalities. The analysis evaluated the extent to which the design of policies is targeted to addressing the dietary dimensions most closely linked with NCD risk in the countries of interest and the surveillance approaches countries have put in place to monitor policy impacts.

Previously the Healthy Food Environment Policy Index (Food-EPI) was used in the European context to evaluate the level of food environment policy and infrastructure support (including monitoring and evaluation) implementation in Estonia, Finland, Germany, Ireland, Italy, the Netherlands, Norway, Poland, Portugal, Slovenia, and Spain in 2019-2021 (33). Evidence of implementation of food environment policies was compiled in each country and validated by government officials. National experts evaluated the implementation of policies and identified priority recommendations. Finland had the highest proportion of policies shaping food environments with a "high" level of implementation. Policies regarding food provision, promotion, retail, funding, monitoring, and health in all policies were identified as the most important gaps across the European countries. Experts recommended immediate action on setting standards for nutrients of concern in processed foods, improvement of school food environments, fruit and vegetable subsidies, unhealthy food and beverage taxation, and restrictions on unhealthy food marketing to children.

Two years later, based on this analysis in the CODIET project, for a sub sample of the countries who conducted FOOD-EPI, we observe that only a few additional policies have been, such as the adoption of Nutri-Score in Spain and strengthening of marketing regulations in Portugal. Most of the policies are still not mandatory and many of them are not monitored frequently, making it hard to evaluate the impact of these regulations.

In order to stimulate further implementation of best practice policies in the European context, on the basis of this analysis, we selected some best practice policies on the basis of which we will develop a range of policy scenarios combining the strengths of these policies. For these policy scenarios, the impact on dietary outcomes, including inequalities in dietary outcomes, will be modelled during the next steps of the project based on available data and insights/inputs from stakeholders. In order to gather input from stakeholders we will first develop some causal loop diagrams for each of the policy scenarios based on scientific evidence.

Next steps

Based on this policy analysis of the different indicators, 4 have been selected by Sciensano and the partner countries to evaluate further and move forward for simulation in task 6.3. These will be composition 1, specifically focusing on the mandatory policies around salt, prices 2, promotion (specifically 1,2 and 4) and provision 1. The indicator label 3 on FOP labeling was not taken into the next phase, as this is a discussion that is currently taken place on higher levels within Europe. Composition 1, and then specifically salt, was chosen since some countries indicate that they have mandatory regulations in place for specific sectors (baking sector) or products (bread and bread products). In comparison, Finland uses in this case the mandatory label high in salt. It should thus be interesting to see if these have an impact in salt intake in a population. Prices 2, specifically taxation of sugar sweetened beverages, was chosen as all 6 countries have some form of taxation in place. Estonia, Finland and Spain specifically have a food group based tax on sugary/sweetened drinks



(Estonia and Finland in the proposition/development phase, Spain in the implementation phase). In Spain this resulted in an increase of the tax from 10% to 21%. The other countries have nutrient based taxes on sugar or sweeteners (only in Portugal implemented). In Portugal, this resulted in an excise tax. Slovenia has a proposition for an ad valoram tax and a sales tax aimed at consumers, and Italy developed an excise tax and sales tax aimed at consumer, which would result in an increase in retail price of 50%. The implementation of this taxation in Italy is now scheduled for 1/07/2025. Comparing the effectiveness of the different measures of taxation can be taken into account during further analysis. Promotion was taken into account, and then mainly tv and radio (PROMO1) and settings where children gather (PROMO4), because these continue to be places where children are highly exposed to unhealthy foods. A closer look is also taken at social media advertisements (PROMO2), however, it should be noted that this is also partly EU responsibility, making it a more complex puzzle for the nations to implement certain restrictions. There are countries (Portugal, Slovenia and Spain) who are actively looking into regulating social media advertisements. And lastly, provision in schools was taken into account as the different countries have different approaches (universal free meals, subsidized meals for lower SES groups, no regulations) and it is worth exploring the most beneficial approach in simulation.

The next phase will exist of interviews with relevant stakeholders for each of these indicators. The interviews will not merely be an exploration of opinion or explanation for certain choices, but an in depth discussion based on a causal loop. These loops (1 for each indicator) will be developed by Sciensano based on the input of the different countries and literature. An example of such causal loop found in literature (not definite yet for CODIET) can be found in Figure 1 and 2.

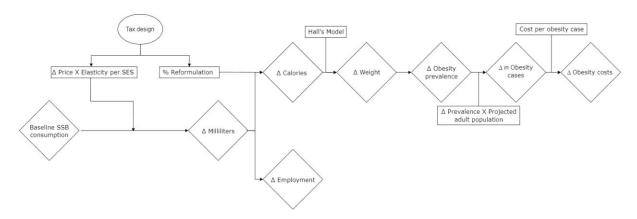


Figure 1: Proposal for causal loop (34)



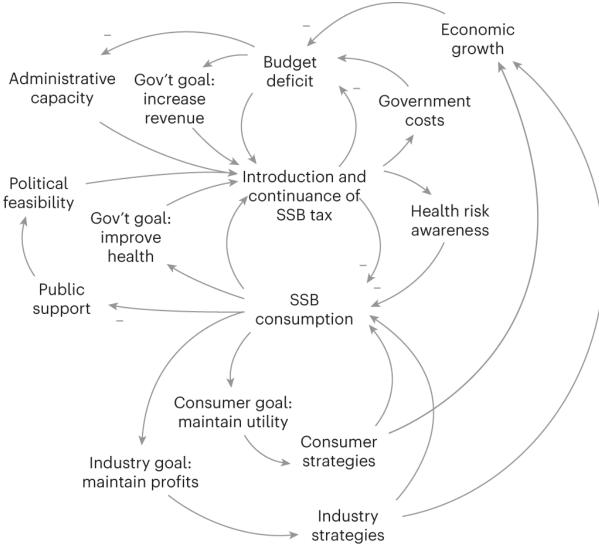


Figure 2: Proposal causal loop for SSB tax (35)



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