

Supplement

Table S1. Synoptic table of school-feeding policy and regulation based on (EU, 2018). Legend: 1 - there is a recommendation/legislation

0 - no legislation	AT	BE-FL	BE-VA	BG	HR	CY	CZ	DK	EE	FI	FR	DE	GR	HU	IE	IT	LT	LU
School food policy objectives																		
Improve child nutrition	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
Learn healthy habits	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	0	1	1
Reduce/prevent obesity	1	0	1	1	0	1	0	1	1	1	1	1	1	1	1	0	1	1
Reduce/prevent malnutrition	1	0	1	1	0	0	0	0	1	1	1	1	1	1	0	1	1	0
Tackle health inequalities	1	0	1	0	0	0	0	0	1	1	0	1	0	0	1	0	0	0
Improve attainment	1	0	1	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0
Support parents and local community	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	1	1	0
Support local agriculture	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Support local economy	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Improve school attendance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Measures of policy evaluation																		
Food provision at school	1	1	1	1	1	0	0	0	1	1	1	0	1	1	0	1	0	0
Take up of school meals	1	0	1	1	0	0	0	0	1	1	0	0	0	1	0	1	0	0
Nutrition of children	0	0	0	1	1	0	0	0	0	1	0	0	0	1	0	0	0	0
Food consumption at school	0	0	1	1	1	0	0	0	1	1	0	0	0	1	0	0	0	0
Financial viability of services	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
Engagement of local farmers	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
Support of local economy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reduction in health equality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Authorized absence (e.g., sickness)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Attainment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Food policy standards and guidelines																		
Food-based standards of non-lunch	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1

Food-based standards for lunch	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1
Portion sizes	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0
Nutrient-based standards for lunch	0	0	1	1	1	0	1	1	1	1	0	1	0	1	0	1	1	0
Catering practices	1	1	1	1	1	0	1	0	1	1	0	1	1	1	0	0	0	0
Nutrient-based standards for non-lunch	0	0	1	1	1	0	1	1	1	0	0	0	1	1	0	1	0	0
Dining spaces and facilities	0	1	1	0	0	0	1	1	1	1	0	1	0	1	0	1	0	0
Staff training	1	1	1	1	0	0	0	0	0	1	0	0	1	1	0	1	0	1
Recipes	1	0	0	1	1	1	0	1	1	1	0	1	0	1	0	0	0	0
Kitchen facilities/equipment	0	1	1	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
Procurement practices	0	0	1	0	1	0	1	0	0	1	0	1	1	1	0	0	0	0
Food arrangement presentation	1	1	1	0	0	0	0	1	0	1	0	1	1	0	0	1	0	0
Food recovery/wastage	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Staffing levels	0	0	1	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0
Food contact materials	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0

Food based standards

Drinks limited to specific types (lunch)	1	1	1	1	1	0	0	1	0	1	1	1	0	1	1	0	1	1
Drinks limited to specific types (other than lunchtime)	1	1	1	1	1	0	0	1	0	1	0	1	1	1	1	0	1	1
Fresh drinking water (lunch)	0	1	1	1	1	0	0	1	1	1	1	1	0	1	1	1	0	0
Fresh drinking water (other than lunchtime)	0	1	1	1	1	0	0	1	0	1	1	1	0	1	1	0	0	0
Fruit and vegetable provision (lunch)	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	0
Fruit and vegetable provision (other than lunchtime)	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	0	0
Soft drinks now allowed (lunch)	1	1	1	0	1	0	0	1	1	1	0	1	0	1	1	0	0	1
Soft drinks now allowed (other than lunchtime)	0	0	1	1	1	0	0	1	0	1	0	1	1	1	1	0	1	1
Sweet treats restricted (lunch)	1	1	1	1	1	0	0	1	1	1	1	1	0	1	1	0	1	0

Sweet treats restricted (other than lunchtime)	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	0	1	0
Salt provision restricted (lunch)	1	0	1	1	1	0	0	0	0	1	1	1	0	1	0	1	1	0
Salt provision restricted (other than lunchtime)	1	0	0	1	1	1	0	0	0	1	1	1	1	1	0	0	1	0
Deep fried processed products restricted (lunch)	1	1	1	1	1	0	0	1	1	0	1	1	0	1	0	0	1	0
Deep fried processed products restricted (other than lunchtime)	1	1	1	1	1	1	0	1	0	0	1	1	0	1	0	0	0	1
Frequency of serving dairy (lunch)	1	0	1	1	1	0	1	1	0	1	1	1	0	1	1	1	1	1
Crisps/savory snacks restricted (lunch)	1	0	1	1	1	0	0	1	0	1	0	1	0	1	1	0	0	0
Crisps/savory snacks restricted (other than lunchtime)	1	0	1	1	1	1	0	1	0	1	0	1	0	1	1	0	1	0
Frequency of serving oily fish (lunch)	0	1	1	1	1	0	1	1	0	0	0	1	0	0	0	1	1	0
Frequency of serving non-meat/non-dairy protein (lunch)	0	1	1	1	1	0	1	0	1	0	0	1	0	0	1	1	0	0
Starchy food cooked in fat/oil restricted (lunch)	1	0	1	1	1	0	0	1	1	0	0	1	0	1	0	0	1	1
Starchy food cooked in fat/oil restricted (other than lunchtime)	1	0	1	1	1	0	0	1	0	0	0	1	0	1	0	0	0	1
Frequency of serving (red) meat (lunch)	1	1	1	0	0	0	1	0	0	0	1	1	0	1	0	0	1	0

Nutrients-based standards

Energy (lunch)	0	0	1	1	1	0	1	1	1	1	0	1	0	1	0	1	1	0
Energy (other than lunchtime)	0	0	1	1	1	0	1	1	1	0	0	0	0	1	0	0	0	0
Fat (lunch)	0	0	1	1	1	0	1	1	1	1	0	1	0	1	0	1	1	0
Fat (other than lunchtime)	0	0	1	1	1	0	1	0	1	1	0	0	1	1	0	0	0	0
Protein (lunch)	0	0	1	1	1	0	0	1	1	1	0	1	0	0	0	1	1	0
Protein (other than lunchtime)	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Total CHO (lunch)	0	0	1	1	1	0	0	1	1	1	0	1	0	0	0	1	1	0

Improve attainment	0	1	1	0	1	0	1	1	0	1	0	1	1	1	1
Support parents and local community	1	0	0	0	0	0	1	1	1	0	0	1	0	1	1
Support local agriculture	0	0	0	0	0	1	0	1	0	0	1	0	0	1	0
Support local economy	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Improve school attendance	0	1	0	0	0	0	0	0	0	0	0	1	0	1	1

Measures of policy evaluation

Food provision at school	1	1	1	0	1	0	0	1	1	1	0	0	1	1	1
Take up of school meals	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1
Nutrition of children	0	0	0	1	0	1	0	1	0	0	0	0	1	1	1
Food consumption at school	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0
Financial viability of services	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Engagement of local farmers	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Support of local economy	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Reduction in health equality	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
authorized absence (e.g., sickness)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Attainment	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Food-based standards of non-lunch	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1

Food policy standards and guidelines

Food-based standards for lunch	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1
Portion sizes	1	0	0	0	1	1	1	1	1	0	1	1	1	1	1
Nutrients based standards for lunch	1	1	0	1	0	0	1	1	1	1	1	0	0	1	1
Catering practices	0	1	0	0	0	1	1	0	1	0	1	1	1	0	0
Nutrient-based standards for non-lunch	1	1	0	1	0	1	1	1	1	0	1	0	0	0	0
Dining spaces and facilities	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1
Staff training	0	0	0	1	0	1	1	1	1	0	1	0	1	0	1
Recipes	1	0	0	1	0	0	1	1	1	0	1	0	1	0	0
Kitchen facilities/equipment	1	0	0	1	0	1	1	1	0	0	1	0	1	0	0
Procurement practices	0	0	0	0	0	1	0	1	0	0	1	0	1	1	0

Food arrangement presentation	0	0	0	0	0	1	0	1	1	1	1	0	1	0	0
Food recovery/wastage	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0
Staffing levels	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
Food contact materials	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0

Food based standards

Drinks limited to specific types (lunch)	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
Drinks limited to specific types (other than lunchtime)	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1
Fresh drinking water (lunch)	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
Fresh drinking water (other than lunchtime)	0	1	1	0	0	1	1	1	1	1	1	0	1	1	1
Fruit and vegetable provision (lunch)	0	0	1	0	1	0	1	1	1	1	1	1	1	1	1
Fruit and vegetable provision (other than lunchtime)	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1
Soft drinks now allowed (lunch)	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1
Soft drinks now allowed (other than lunchtime)	0	0	1	0	1	1	0	1	1	1	1	1	1	1	1
Sweet treats restricted (lunch)	0	0	1	0	0	0	0	1	1	1	1	0	1	1	1
Sweet treats restricted (other than lunchtime)	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1
Salt provision restricted (lunch)	1	0	0	0	1	1	0	1	1	1	1	0	1	1	1
Salt provision restricted (other than lunchtime)	0	0	0	0	0	1	0	1	1	0	1	1	1	1	1
Deep fried processed products restricted (lunch)	0	1	0	0	1	0	0	1	1	0	1	1	1	1	1
Deep fried processed products restricted (other than lunchtime)	0	1	0	0	1	1	0	1	0	0	1	1	1	1	1
Frequency of serving dairy (lunch)	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1
Crisps/savory snacks restricted (lunch)	1	0	1	0	0	0	0	1	1	1	1	1	1	1	1

Crisps/savory snacks restricted (other than lunchtime)	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1
Frequency of serving oily fish (lunch)	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
Frequency of serving non-meat/non-dairy protein (lunch)	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
Starchy food cooked in fat/oil restricted (lunch)	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1
Starchy food cooked in fat/oil restricted (other than lunchtime)	0	0	0	0	1	1	0	1	0	1	1	1	1	1	1
Frequency of serving (red) meat (lunch)	0	1	0	0	0	0	1	1	1	1	0	1	1	1	1
Nutrients-based standards															
Energy (lunch)	0	1	0	1	0	0	1	1	1	1	1	1	0	1	1
Energy (other than lunchtime)	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0
Fat (lunch)	0	0	0	1	0	0	1	1	0	1	1	1	0	1	1
Fat (other than lunchtime)	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0
Protein (lunch)	0	0	0	1	0	1	1	1	0	1	1	1	0	1	1
Protein (other than lunchtime)	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0
Total CHO (lunch)	0	0	0	1	0	0	0	1	0	1	1	1	0	1	1
Total CHO (other than lunchtime)	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
Fibre (lunch)	0	0	0	1	0	0	1	1	0	1	1	1	0	1	1
Fibre (other than lunchtime)	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
Vitamin C (lunch)	0	0	0	1	0	0	1	1	0	1	1	1	0	1	1
Vitamin C (other than lunchtime)	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0
Calcium (lunch)	0	0	0	1	0	0	1	1	0	0	1	1	0	1	1
Calcium (other than lunchtime)	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
Iron (lunch)	0	0	0	1	0	0	1	1	0	1	1	1	0	1	1
Iron (other than lunchtime)	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
Sodium (lunch)	0	0	0	1	0	0	1	1	0	1	1	1	0	1	1
Sodium (other than lunchtime)	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0

Saturated fat (lunch)	0	0	0	1	0	0	0	1	0	1	0	1	0	1	1
Saturated fat (other than lunchtime)	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0
Folate (lunch)	0	0	0	1	0	0	1	1	0	1	1	1	0	1	1
Folate (other than lunchtime)	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
Sugars (lunch)	0	0	0	1	0	0	1	1	0	0	0	1	0	1	1
Sugars (other than lunchtime)	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
Vitamin A (lunch)	0	0	0	1	0	0	1	1	0	0	0	1	0	1	1
Vitamin A (other than lunchtime)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Zinc (lunch)	0	0	0	1	0	0	1	1	0	0	0	1	0	1	1
Zinc (other than lunchtime)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

Source: Authors' own construction based on EU [28]

Table S2. Structure of participants in preliminary phase of research.

Preliminary interview phase		
	no. of participants	%
Catering service entrepreneur	2	8.33
Catering service manager (dietician)	3	12.50
Teachers	5	20.83
Independent nutritional specialists	4	16.67
Government	1	4.17
Local authority	2	8.33
Parents	7	29.17
Total	24	100

Source: Authors' own construction

Table S3. The socio-economic characteristic features of participants (n = 72).

	Highest level of qualification			Gender		Age			Place of residence			
	High school	BSc	MSc or higher	male	female	<35	36–50	>50	Budapest (capital)	Big town	Small town	Village
Catering service entrepreneur (n = 6)	1	3	2	3	3	1	4	1	2	1	1	2
Catering service manager (n = 12)	2	8	2	1	11	2	8	2	6	1	3	2
Independent nutritional specialists (n = 6)			6		6	3	2	1	6			
Government (n = 5)			5	2	3	1	2	2	5			
Local authority (n = 4)		1	3	2	2		1	3	1	1	1	1
Parents (n = 26)	13	9	4	5	21	13	12	1	12	4	5	5
Teachers (n = 13)		9	4	1	12	2	7	4	3	4	3	3

Source: Authors' own construction