## Online Supporting Material

## Characteristics associated with feeding organic foods during complementary feeding: the nationwide ELFE birth cohort

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**Supplementary table 1**. Sensitivity analysis (weighted analysis and multiple imputations) for multivariate associations between family characteristics and feeding of organic foods during complementary feeding (CF).

	Weighted analysis (n=9750)			Multiple imputation analysis (n=10,942)			
	Organic foods during CF (ref=Never)			Organic foods during CF (ref=Never)			
	Sometimes	Often	Almost always		Sometimes	Often	Almost always
Model 1							_
Maternal age at delivery (years)				< 0.0001			
< 25	0.78 [0.58, 1.05]	0.68 [0.46, 1.00]	0.99 [0.60, 1.64]		0.85 [0.68, 1.06]	0.72 [0.54, 0.97]	0.73 [0.50, 1.07]
25-29	1 [Ref]	1 [Ref]	1 [Ref]		1 [Ref]	1 [Ref]	1 [Ref]
30-34	1.31 [1.11, 1.54]	1.21 [1.01, 1.46]	1.60 [1.28, 2.01]		1.21 [1.08, 1.37]	1.40 [1.21, 1.61]	1.56 [1.31, 1.85]
≥ 35	1.24 [1.02, 1.52]	1.40 [1.12, 1.75]	2.37 [1.83, 3.07]		1.26 [1.09, 1.46]	1.68 [1.42, 1.99]	2.20 [1.81, 2.68]
Maternal education level				< 0.0001			
Up to lower secondary	0.83 [0.54, 1.26]	0.40 [0.23, 0.70]	0.20 [0.09, 0.43]		0.69 [0.50, 0.96]	0.38 [0.24, 0.59]	0.23 [0.13, 0.40]
Upper secondary	0.65 [0.53, 0.80]	0.36 [0.29, 0.47]	0.22 [0.16, 0.29]		0.62 [0.53, 0.73]	0.43 [0.36, 0.51]	0.22 [0.17, 0.27]
Intermediate	0.68 [0.56, 0.82]	0.51 [0.41, 0.63]	0.43 [0.34, 0.54]		0.69 [0.59, 0.80]	0.57 [0.49, 0.68]	0.42 [0.34, 0.51]
3-year university degree	0.94 [0.77, 1.15]	0.71 [0.57, 0.89]	0.82 [0.65, 1.03]		0.91 [0.78, 1.06]	0.78 [0.66, 0.92]	0.77 [0.65, 0.92]
At least 5-year university	1 [Ref]	1 [Ref]	1 [Ref]		1 [Ref]	1 [Ref]	1 [Ref]
degree							
Maternal migration status				0.0005			
Migrant	1.44 [1.12, 1.86]	1.95 [1.47, 2.59]	1.20 [0.84, 1.71]		1.37 [1.13, 1.67]	1.74 [1.41, 2.15]	1.31 [1.01, 1.71]
Descendant of migrant	1.10 [0.88, 1.37]	1.24 [0.96, 1.59]	1.06 [0.79, 1.42]		1.05 [0.89, 1.25]	1.14 [0.94, 1.38]	1.04 [0.82, 1.31]
Majority population	1 [Ref]	1 [Ref]	1 [Ref]		1 [Ref]	1 [Ref]	1 [Ref]
Parents living with the child				0.9			
Both parents	1 [Ref]	1 [Ref]	1 [Ref]		0.97 [0.69, 1.35]	1.05 [0.71, 1.54]	1 [0.63, 1.57]
Single parenthood	0.84 [0.54, 1.29]	0.91 [0.55, 1.52]	0.98 [0.53, 1.80]		1 [Ref]	1 [Ref]	1 [Ref]

Older children in household				0.001			
ELFE child is the first child	1 [Ref]	1 [Ref]	1 [Ref]		1 [Ref]	1 [Ref]	1 [Ref]
One older child	0.94 [0.81, 1.10]	0.85 [0.72, 1.01]	0.67 [0.55, 0.81]		0.98 [0.88, 1.10]	0.86 [0.75, 0.98]	0.73 [0.62, 0.84]
At least 2 older children	1.11 [0.90, 1.37]	0.89 [0.70, 1.14]	0.67 [0.50, 0.90]		1.05 [0.91, 1.23]	0.83 [0.70, 1.00]	0.64 [0.52, 0.80]
Maternal employment during				0.9			
pregnancy							
Employed	1 [Ref]	1 [Ref]	1 [Ref]		1 [Ref]	1 [Ref]	1 [Ref]
Unemployed	1.03 [0.82, 1.28]	1.09 [0.84, 1.43]	1.25 [0.93, 1.70]		1.01 [0.85, 1.20]	1.07 [0.88, 1.31]	1.31 [1.04, 1.64]
Not in the labor force	1.02 [0.82, 1.27]	1.08 [0.83, 1.41]	1.12 [0.82, 1.54]		0.97 [0.82, 1.14]	1.13 [0.93, 1.37]	1.26 [1.01, 1.58]
Household income (/month)				< 0.0001			
≤ € 750 <sup>a</sup>	0.90 [0.65, 1.24]	0.59 [0.38, 0.90]	0.94 [0.55, 1.62]		1.01 [0.77, 1.34]	0.74 [0.54, 1.03]	0.97 [0.65, 1.45]
€ 751–1,111 <sup>b</sup>	0.89 [0.70, 1.12]	0.83 [0.61, 1.12]	1.37 [0.99, 1.89]		0.93 [0.78, 1.12]	0.82 [0.65, 1.04]	1.10 [0.84, 1.44]
€ 1,112–1,500 °	1 [Ref]	1 [Ref]	1 [Ref]		1 [Ref]	1 [Ref]	1 [Ref]
€ 1,501–1,944 <sup>d</sup>	1.04 [0.88, 1.23]	1.03 [0.84, 1.27]	1.13 [0.88, 1.44]		1.08 [0.94, 1.24]	1.11 [0.94, 1.30]	1 [0.82, 1.21]
€ 1,945–2,500 <sup>e</sup>	1.31 [1.07, 1.60]	1.41 [1.12, 1.76]	1.72 [1.32, 2.24]		1.21 [1.04, 1.42]	1.38 [1.15, 1.65]	1.35 [1.10, 1.66]
> € 2,500 <sup>g</sup>	1.30 [1.00, 1.69]	1.80 [1.37, 2.37]	1.73 [1.24, 2.40]		1.35 [1.10, 1.66]	1.73 [1.39, 2.16]	1.46 [1.13, 1.89]
Maternal return to work at 2				0.2			
months							
Not working at 2 months	1 [Ref]	1 [Ref]	1 [Ref]		1 [Ref]	1 [Ref]	1 [Ref]
Working at 2 months	0.78 [0.58, 1.04]	0.86 [0.64, 1.16]	1.18 [0.80, 1.76]		0.83 [0.66, 1.05]	0.98 [0.77, 1.25]	0.88 [0.66, 1.19]

Data are odds ratios (ORs) [95% confidence intervals (CIs)] from multivariable multinomial logistic regression also adjusted for variables related to study design (region, maternity size and wave of recruitment). <sup>a</sup> corresponding to (US\$)  $\leq$  \$815/month; <sup>b</sup> corresponding to \$816–1,207/month; <sup>c</sup> corresponding to \$1,208–1,630/month; <sup>d</sup> corresponding to \$1,631–2,113/month; <sup>e</sup> corresponding to \$2,114–2,717/month; <sup>f</sup> corresponding to \$2,717/month.

**Supplementary table 2**. Sensitivity analysis (weighted analysis and multiple imputations) for multivariate associations between maternal health and health-related behaviors (model 2) or infant characteristics and feeding practices (model 3) and feeding with organic foods during CF

	Weighted analysis (n=8974) Organic foods during CF (ref=Never)				Multiple imputation analysis (n=10,942)			
					Organic foods during CF (ref=Never)			
	Sometimes	Often	Almost always		Sometimes	Often	Almost always	
Model 2								
Smoking during pregnancy				0.009				
Never smoker	1 [Ref]	1 [Ref]	1 [Ref]		1 [Ref]	1 [Ref]	1 [Ref]	
Smoker only before	1.04 [0.89, 1.21]	1.32 [1.11, 1.57]	1.35 [1.10, 1.65]		1.18 [1.05, 1.33]	1.32 [1.16, 1.51]	1.37 [1.17, 1.60]	
pregnancy								
Smoker only in early	1.37 [0.95, 1.97]	1.43 [0.90, 2.29]	1.90 [1.17, 3.11]		1.23 [0.95, 1.59]	1.06 [0.77, 1.46]	1.29 [0.90, 1.86]	
pregnancy								
Smoker throughout	0.99 [0.80, 1.24]	1.25 [0.96, 1.62]	1.24 [0.91, 1.70]		1.07 [0.92, 1.25]	1.16 [0.96, 1.41]	1.27 [1.00, 1.60]	
pregnancy								
Pre-pregnancy BMI (kg/m <sup>2</sup> )				0.0001				
<18.5	1.17 [0.88, 1.54]	1.22 [0.90, 1.66]	1.27 [0.89, 1.81]		1.03 [0.85, 1.24]	1.16 [0.93, 1.44]	1.11 [0.87, 1.43]	
18.5-24.9	1 [Ref]	1 [Ref]	1 [Ref]		1 [Ref]	1 [Ref]	1 [Ref]	
25-29.9	0.79 [0.66, 0.95]	0.75 [0.60, 0.93]	0.58 [0.44, 0.77]		0.79 [0.69, 0.90]	0.74 [0.63, 0.87]	0.66 [0.54, 0.81]	
≥ 30	0.84 [0.66, 1.07]	0.67 [0.50, 0.90]	0.61 [0.42, 0.89]		0.86 [0.73, 1.02]	0.78 [0.63, 0.96]	0.58 [0.43, 0.78]	
Maternal diet quality	1.13 [1.06, 1.20]	1.31 [1.22, 1.40]	1.46 [1.35, 1.58]	< 0.0001	1.15 [1.10, 1.20]	1.30 [1.23, 1.36]	1.52 [1.43, 1.61]	
Initial feeding method choice				< 0.0001				
Health, well-being	1 [Ref]	1 [Ref]	1 [Ref]		1 [Ref]	1 [Ref]	1 [Ref]	
Practical reasons	0.65 [0.51, 0.82]	0.66 [0.50, 0.88]	0.36 [0.24, 0.54]		0.71 [0.60, 0.83]	0.68 [0.56, 0.83]	0.39 [0.30, 0.52]	

Other	0.76 [0.61, 0.94]	0.65 [0.49, 0.85]	0.41 [0.29, 0.57]		0.71 [0.61, 0.84]	0.63 [0.52, 0.76]	0.41 [0.31, 0.53]
Interaction with infant	1.21 [0.93, 1.57]	1.28 [0.94, 1.75]	0.89 [0.63, 1.25]		1.09 [0.89, 1.32]	1.08 [0.86, 1.35]	1.06 [0.82, 1.38]
Usual feeding method	0.89 [0.72, 1.09]	1.03 [0.81, 1.31]	1.09 [0.83, 1.43]		0.96 [0.83, 1.11]	0.97 [0.82, 1.15]	0.99 [0.82, 1.20]
Model 3							
Child sex				0.01			
Boy	1 [Ref]	1 [Ref]	1 [Ref]		1 [Ref]	1 [Ref]	1 [Ref]
Girl	0.84 [0.73; 0.97]	0.80 [0.68; 0.94]	0.82 [0.68; 0.99]		0.93 [0.84; 1.02]	0.84 [0.75; 0.94]	0.89 [0.78; 1.02]
Child birthweight				0.4			
Small weight for GA	0.83 [0.65; 1.06]	0.77 [0.57; 1.04]	1.03 [0.73; 1.45]		0.79 [0.66; 0.94]	0.77 [0.62; 0.95]	0.98 [0.77; 1.24]
Adequate weight for GA	1 [Ref]	1 [Ref]	1 [Ref]		1 [Ref]	1 [Ref]	1 [Ref]
Large weight for GA	0.87 [0.68; 1.10]	0.97 [0.74; 1.26]	0.86 [0.64; 1.14]		0.96 [0.81; 1.14]	1.09 [0.90 ; 1.31]	1.03 [0.81; 1.30]
Any breastfeeding duration				< 0.0001			
(months)							
Never	1 [Ref]	1 [Ref]	1 [Ref]		1 [Ref]	1 [Ref]	1 [Ref]
<1	1.21 [0.94 ; 1.56]	1.20 [0.89; 1.61]	1.75 [1.16; 2.63]		1.28 [1.08; 1.52]	1.18 [0.96 ; 1.47]	1.68 [1.25; 2.27]
1 to <3	1.46 [1.12; 1.89]	1.41 [1.03; 1.92]	2.94 [1.92 ; 4.50]		1.53 [1.28; 1.84]	1.37 [1.10; 1.71]	2.06 [1.53; 2.79]
3 to <6	1.35 [1.05; 1.74]	1.93 [1.43 ; 2.59]	3.74 [2.48 ; 5.62]		1.45 [1.21 ; 1.73]	1.73 [1.40; 2.14]	2.77 [2.08; 3.70]
≥ 6	2.05 [1.59; 2.64]	2.88 [2.14; 3.87]	8.07 [5.52; 11.81]		2.01 [1.68; 2.41]	2.72 [2.21; 3.35]	6.49 [4.92; 8.58]
Age at complementary foods				0.002			
introduction							
<4 months	0.92 [0.71 ; 1.20]	0.92 [0.67; 1.27]	0.59 [0.36; 0.94]		0.94 [0.79 ; 1.12]	1.00 [0.80 ; 1.23]	0.66 [0.48; 0.90]
4-6 months	1 [Ref]	1 [Ref]	1 [Ref]		1 [Ref]	1 [Ref]	1 [Ref]
>6 months	1.25 [0.98; 1.60]	1.22 [0.96; 1.56]	1.69 [1.29; 2.20]		1.13 [0.97; 1.31]	1.28 [1.08; 1.51]	1.55 [1.29; 1.85]

Feeding with ready-prepared	< 0.0001

baby foods during CF	baby	foods	during	<b>CF</b>
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Never	1 [Ref]	1 [Ref]	1 [Ref]	1 [Ref]	1 [Ref]	1 [Ref]
Sometimes	2.01 [1.65; 2.46]	1.94 [1.54 ; 2.43]	1.57 [1.23; 2.02]	2.15 [1.86; 2.48]	1.97 [1.68; 2.32]	1.42 [1.19; 1.70]
Often	2.03 [1.65; 2.51]	2.34 [1.84; 2.97]	1.26 [0.96; 1.67]	2.15 [1.85; 2.51]	2.39 [2.03; 2.82]	1.31 [1.07; 1.59]
Almost always	1.66 [1.32; 2.10]	1.55 [1.15; 2.08]	1.48 [1.06; 2.06]	1.83 [1.54; 2.17]	1.42 [1.17; 1.72]	1.18 [0.93 ; 1.49]

Data are odds ratios (ORs) [95% confidence intervals (CIs)] from multivariable multinomial logistic regressions also adjusted in model 2 and 3 for familial characteristics (maternal age, education level, migration status, employment during pregnancy, return to work at 2 months, single parenthood, number of children in the household, household income) and variables related to study design (region, maternity size and wave of recruitment)., and in model 3 for maternal health and health-related behaviors (smoking during pregnancy, pre-pregnancy BMI, diet quality during pregnancy, motives for feeding method.