

Supplementary materials:

Article

Dietary Patterns and Oral Health Behaviours Associated with Caries Development from 4 to 7 Years of Age

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Table S1. Children's characteristics of the sample according to dental caries experience at 4 years of age ($d_{3-6}mft=0$ vs. $d_{3-6}mft>0$) and at 7-years of age ($d_{3-6}mft/D_{3-6}MFT=0$ vs. $d_{3-6}mft/D_{3-6}MFT>0$).

Dental Caries Status						
4 years of age				7 years of age		
	d ₃₋₆ mft=0 n (%)	d ₃₋₆ mft>0 n (%)	p [*]	d ₃₋₆ mft/D ₃₋₆ MFT=0 n (%)	d ₃₋₆ mft/D ₃₋₆ MFT>0 n (%)	p [*]
Child's sex						
Female	203 (46.1)	86 (51.5)	0.238	138 (49.6)	151 (45.9)	0.358
Male	237 (53.9)	81 (48.5)		140 (50.4)	178 (54.1)	
Maternal education						
≤ 9 years	177 (40.4)	82 (49.1)	0.004	94 (33.8)	165 (50.5)	<0.001
10-12 years	126 (28.8)	56 (33.5)		87 (31.3)	95 (29.1)	
>12 years	135 (30.8)	29 (17.4)		97 (34.9)	67 (20.5)	
Monthly household income						
Lower: ≤1000€	92 (21.2)	71 (43.0)	<0.001	51 (18.5)	112 (34.6)	<0.001
Intermediate: 1001-1500€	121 (27.9)	44 (26.7)		68 (24.7)	97 (29.9)	
Higher: >1500€	221 (50.9)	50 (30.3)		156 (56.7)	115 (35.5)	
Toothbrushing frequency						
< 2 or ≥ 2 times per day, none at bedtime	194 (44.7)	81 (49.0)	0.306	114 (41.5)	161 (49.8)	0.040
≥ 2 times per day, 1 at bedtime	240 (55.3)	83 (50.6)		161 (58.5)	162 (50.2)	
Fluoride toothpaste						
No	1 (0.2)	1 (0.6)	0.469	12 (5.8)	17 (7.0)	0.607
Yes	434 (99.8)	161 (99.4)		194 (94.2)	225 (93.0)	
Parental-supervised toothbrushing						
No	269 (64.4)	131 (82.9)	<0.001	256 (93.8)	288 (88.3)	0.022
Yes	149 (35.6)	27 (17.1)		17 (6.2)	38 (11.7)	
Dental appointment at 4-year-old						
No	314 (71.9)	88 (52.7)	<0.001	188 (68.4)	214 (65.0)	0.389
Yes	123 (28.1)	79 (47.3)		87 (31.6)	115 (35.0)	
Eating before go to bed						
No	252 (58.3)	90 (54.5)	0.403	169 (62.4)	173 (53.1)	0.022
Yes	180 (41.7)	75 (45.5)		102 (37.6)	153 (46.9)	
Dietary patterns						
Energy-dense foods	189 (43.5)	85 (51.5)	0.048	107 (38.8)	167 (51.7)	0.002
Snacking	55 (12.7)	26 (15.8)		36 (13.0)	45 (13.9)	
Healthier	190 (43.8)	54 (32.7)		133 (48.2)	111 (34.4)	
Daily frequency of cariogenic food intake						
n	325	118	0.822	204	239	0.349
Median (IQR)	2.76 (1.98-3.84)	2.81 (1.72-4.23)		2.72 (2.01-3.68)	2.82 (1.84-4.04)	

Dental Caries Status						
	4 years of age			7 years of age		
	d₃₋₆dmft=0 n (%)	d₃₋₆dmft>0 n (%)	<i>p</i>[*]	d₃₋₆dmft/D₃₋₆DMFT=0 n (%)	d₃₋₆dmft/D₃₋₆DMFT>0 n (%)	<i>p</i>[*]
Daily frequency of cariogenic drinks intake						
n	326	118		205	239	
Median (IQR)	0.67 (0.26-1.26)	0.98 (0.42-1.98)	0.001	0.65 (0.26-1.26)	0.87 (0.34-1.48)	0.020

Bold entries denote statistical significance ($p<0.05$); * p -value: Mann-Whitney U-test, chi-square test or Fisher's Exact test, as appropriate; $p<0.001$ (Bonferroni correction); dmft, decayed missing and filled primary teeth; DMFT: decayed missing and filled permanent teeth; IQR, Interquartile Range.