

Supplementary Materials

Table S1. Univariable association of caries staging related to demographic and socio-economic determinants.

Variables		Total		Caries-free (ICDAS ₀)	Initial lesion (ICDAS ₁₋₂)	Moderate lesion (ICDAS ₃₋₄)	Extensive lesion (ICDAS ₅₋₆)
		<i>n</i>	%	<i>mean</i> ± <i>SD</i>	<i>mean</i> ± <i>SD</i>	<i>mean</i> ± <i>SD</i>	<i>mean</i> ± <i>SD</i>
Gender	Males	523	52.56	18.56±3.53	0.98±1.37	1.02±1.47	0.73±1.59
	Females	472	47.44	18.56±3.60	1.06±1.32	1.03±1.57	0.65±1.62
	<i>p-value</i>		0.106	0.947	0.257	0.721	0.511
Mother's marital status	in couple	887	90.32	18.57±3.55	1.00±1.33	1.03±1.52	0.69±1.60
	not in couple	95	9.74	18.52±3.57	1.14±1.46	1.01±1.43	0.69±1.71
	<i>p-value</i>		<0.001	0.197	0.635	0.944	0.388
Father's marital status	in couple	879	91.46	18.59±3.54	1.01±1.34	1.03±1.53	0.68±1.56
	not in couple	82	8.53	18.51±3.57	1.13±1.47	1.05±1.45	0.67±1.73
	<i>p-value</i>		<0.001	0.21	0.72	0.74	0.16
Mother's education	Middle school or below	433	44.0	17.52±3.85	1.13±1.39	1.49±1.7	1.12±2.05
	High school or above	551	55.99	19.41±3.06	0.93±1.30	0.66±1.23	0.34 ± 1.01
	<i>p-value</i>		<0.001	< 0.001	0.027	< 0.001	< 0.001
Father's education	Middle school or below	486	50.47	17.74±3.81	1.10±1.37	1.39±1.68	1.03±1.92
	High school or above	477	49.53	19.44±3.02	0.94±1.34	0.66±1.23	0.31±0.98
	<i>p-value</i>		0.466	< 0.001	0.055	< 0.001	< 0.001
Mother's working status	Employed	352	35.81	19.46±3.03	0.92±1.33	0.66±1.29	0.39±1.13
	Unemployed/Homemaker	631	64.19	18.08±3.71	1.06±1.35	1.22±1.58	0.86±1.8
	<i>p-value</i>		<0.001	< 0.001	0.022	< 0.001	< 0.001
Father's working status	Employed	736	77.31	18.97±3.33	0.96±1.30	0.87±1.42	0.5±1.35
	Unemployed/Homemaker	216	22.69	17.31±3.85	1.21±1.50	1.5±1.68	1.25±2.04
	<i>p-value</i>		<0.001	< 0.001	0.075	< 0.001	< 0.001
Deprivation index	Least deprived (1 st - 2 nd quintiles)	270	27.13	19.77±3.01	0.88±1.40	0.56±1.10	0.31±1.16
	Most deprived (3 rd - 4 th - 5 th)	725	72.86	18.11±3.65	1.07±1.32	1.20±1.61	0.83±1.72
	<i>p-value</i>		<0.001	< 0.001	0.002	< 0.001	< 0.001
Municipal District*	First (5 th)	28	2.81	15.79±4.53	1.36±1.37	2.14±1.72	2.14±3.24
	Second (5 th)	146	14.67	18.28±3.56	1.25±1.32	1.27±1.71	0.82±1.51
	Third (3 rd)	125	12.56	18.9±3.16	0.56±0.95	0.86±1.42	0.56±1.27
	Fourth (1 st)	126	12.66	19.37±3.66	1.02±1.54	0.75±1.43	0.33±0.93
	Fifth (5 th)	148	14.87	18.27±3.56	1.47±1.64	0.98±1.37	0.77±1.73
	Sixth (5 th)	174	17.49	18.51±3.21	0.69±1.11	0.99±1.43	0.57±1.41
	Seventh (4 th)	92	9.25	16.74±3.66	1.39±1.21	1.92±1.8	1.26±1.94
	Eighth (1 st)	156	15.67	19.79±3.20	0.83±1.25	0.53±1.10	0.42±1.58
	<i>p-value</i>		<0.001	<0.001	<0.001	<0.001	<0.001

* The mode of Deprivation Index quintiles is shown between parentheses

Table S2. Caries severity levels (ICDAS) association to diet, behavioural habits and clinical status of the first permanent molar.

Variables		Total		Caries-free (ICDAS ₀)	Initial lesion (ICDAS ₁₋₂)	Moderate lesion (ICDAS ₃₋₄)	Extensive lesion (ICDAS ₅₋₆)
		n	%	mean±SD	mean±SD	mean±SD	mean±SD
Daily toothbrushing habit	Seldom/Never	218	22.09	17.91±3.83	1.09±1.42	1.32±1.65	0.88±1.79
	After meals	769	77.91	18.74±3.47	1.00±1.33	0.94±1.46	0.64±1.55
	<i>p-value</i>		<0.001	0.048	0.664	0.006	0.032
PFM affected by caries	No	731	73.47	19.21±3.31	0.54±0.91	0.74±1.31	0.47±1.31
	Yes	264	26.53	16.75±3.64	2.34±1.47	1.81±1.75	1.30±2.11
	<i>p-value</i>		<0.001	<0.001	<0.001	<0.001	<0.001
Orthodontic devices	No/Former	966	99.18	18.55±3.57	1.03±1.35	1.02±1.51	0.70±1.62
	Current	8	0.82	18.88±4.45	0.63±1.06	1.38±2.07	0.75±1.39
	<i>p-value</i>		<0.001	0.512	0.652	0.487	0.680
Additional fluoride products use	No	750	76.53	18.34±3.64	1.02±1.37	1.08±1.52	0.74±1.65
	Yes	230	23.47	19.33±3.16	1.03±1.29	0.80±1.45	0.47±1.35
	<i>p-value</i>		<0.001	0.012	0.759	0.002	0.052
Chewing-gum consumption	Seldom/Never	857	87.63	18.82±3.41	1.01±1.36	0.91±1.44	0.59±1.45
	Always/Often	121	12.37	16.78±4.05	1.05±1.20	1.74±1.78	1.43±2.35
	<i>p-value</i>		<0.001	< 0.001	0.173	<0.001	<0.001
Daily fruit consumption	≤ 2x/day	725	77.37	18.83±3.43	0.99±1.34	0.92±1.45	0.58±1.43
	> 2x/day	212	22.62	17.74±3.85	1.15±1.41	1.38±1.65	0.96±1.97
	<i>p-value</i>		<0.001	0.001	0.148	< 0.001	0.008
Weekly dairy product consumption	< 2x/week	397	40.72	18.03±3.76	1.08±1.43	1.16±1.62	0.93±1.84
	≥ 2x/week	578	59.28	18.93±3.39	0.97±1.28	0.92±1.42	0.53±1.41
	<i>p-value</i>		<0.001	0.015	0.719	0.081	<0.001
Sugary drinks/sweetened pacifier use before bedtime	Seldom/Never	880	94.52	18.81±3.38	1.01±1.34	0.95±1.47	0.57±1.36
	Always/Often	51	5.47	16.39±4.57	1.04±1.52	1.59±1.71	1.88±3.22
	<i>p-value</i>		<0.001	0.001	0.679	0.005	0.007
Eating snacks between meals	Seldom/Never	649	66.63	18.71±3.52	1.06±1.37	0.98±1.52	0.60±1.49
	Always/Often	325	33.37	18.23±3.64	0.94±1.30	1.07±1.53	0.86±1.81
	<i>p-value</i>		<0.001	0.08	0.28	0.48	<0.01
Sweet drinks/carbonated drinks consumption	Seldom/Never	667	68.06	18.97±3.24	1.02±1.35	0.86±1.44	0.51±1.33
	Always/Often	313	31.94	17.77±4.05	1.02±1.33	1.32±1.59	1.07±2.04
	<i>p-value</i>		<0.001	0.001	0.935	<0.001	<0.001
Dental visit in the previous year	≤ 2x/year	888	90.89	18.82±3.39	0.99±1.33	0.91±1.43	0.57±1.50
	> 2x/year	89	9.11	16.55±4.18	1.25±1.44	1.87±1.93	1.64±1.93
	<i>p-value</i>		<0.001	0.001	0.056	<0.001	<0.001

PFM: Primary First Molar