

Appendix Table 1A. Distribution of subjects and tooth brushing patterns according to independent variables

Variables	Total (N=229,099)		Only once in a day								
	N	%	After breakfast		After lunch		After dinner		Before go to bed		
			Mean (%)	SD [†]	Mean (%)	SD	Mean (%)	SD	Mean (%)	SD	
Gender											
Male	102,572	44.8	5.1	0.07	0.5	0.02	2.8	0.05	3.6	0.06	
Female	126,527	55.2	2.6	0.04	0.3	0.01	1.4	0.03	2.1	0.04	
Age (years)											
19-34	34,474	15.1	0.7 ^a	0.00	0.7 ^a	0.00	2.3 ^a	0.10	4.5 ^a	0.10	
35-44	31,816	13.9	1.0 ^a	0.10	0.5 ^b	0.00	1.8 ^b	0.10	3.3 ^b	0.10	
45-54	40,198	17.6	1.7 ^b	0.10	0.3 ^{bc}	0.00	1.8 ^b	0.10	2.5 ^{ce}	0.10	
55-64	48,064	21.0	2.9 ^c	0.10	0.2 ^c	0.00	1.7 ^b	0.10	1.9 ^d	0.10	
65-74	39,104	17.1	5.4 ^d	0.10	0.3 ^c	0.00	1.9 ^b	0.10	2.2 ^{cd}	0.10	
≥ 75	35,443	15.5	10.5 ^e	0.20	0.0 ^{bc}	0.00	2.6 ^a	0.10	2.8 ^e	0.10	
Household income											
Lower	34,416	15.4	8.7 ^a	0.20	0.5 ^a	0.00	2.6 ^a	0.10	2.7 [*]	0.10	
Lower-middle	35,459	15.8	5.9 ^b	0.10	0.3 ^b	0.00	2.2 ^b	0.10	2.7 [*]	0.10	
Middle	33,730	15.1	3.5 ^c	0.10	0.4 ^b	0.00	2.1 ^{bc}	0.10	2.9 [*]	0.10	
Middle-high	83,622	37.3	1.9 ^d	0.00	0.4 ^b	0.00	1.9 ^c	0.00	2.8 [*]	0.10	
High	36,724	16.4	1.2 ^e	0.10	0.3 ^b	0.00	1.5 ^d	0.10	2.8 [*]	0.10	
Occupation											
Managers/professionals	23,195	10.1	0.9 ^a	0.10	0.4 ^{ab}	0.00	1.2 ^a	0.10	2.3 ^{ab}	0.10	
Office workers	19,696	8.60	0.8 ^{ab}	0.10	0.4 ^{ab}	0.00	1.1 ^a	0.10	1.9 ^a	0.10	
Service & sales workers	30,083	13.2	1.4 ^b	0.10	0.3 ^{ab}	0.00	1.5 ^{ab}	0.10	2.7 ^{bc}	0.10	
Agricultural & fishery	25,354	11.1	8.3 ^c	0.20	0.3 ^a	0.00	3.2 ^c	0.10	2.8 ^{bc}	0.10	
Machine operators	21,195	9.30	2.8 ^d	0.10	0.5 ^b	0.00	3.1 ^c	0.10	3.7 ^d	0.10	
Daily labors	21,672	9.50	3.9 ^e	0.10	0.3 ^{ab}	0.00	2.1 ^d	0.10	2.7 ^{bc}	0.10	
Etc (soliders, housewife, students)	87,590	38.3	4.7 ^f	0.10	0.4 ^{ab}	0.00	1.9 ^{bd}	0.00	2.9 ^c	0.10	
Economic activity											
Active	141,959	62.0	3.0	0.05	0.4	0.02	2.0 [*]	0.04	2.7	0.04	
None	87,056	38.0	4.8	0.07	0.4	0.02	1.9 [*]	0.05	2.9	0.06	
Education											
≤ Middle	80,883	35.3	7.3 ^a	0.10	0.3 ^a	0.00	2.3 ^a	0.10	2.5 ^a	0.10	
≤ High	65,466	28.6	2.4 ^b	0.10	0.4 ^b	0.00	2.0 ^b	0.10	2.8 ^b	0.10	
≥ University	82,527	36.1	1.2 ^c	0.00	0.4 ^b	0.00	1.6 ^c	0.00	3.0 ^c	0.10	
Spouses											
With	152,094	66.5	3.5	0.05	0.3	0.01	1.8	0.03	2.5	0.04	
Without	76,788	34.0	4.0	0.07	0.6	0.03	2.3	0.05	3.4	0.07	
Residence											
Dong	128,724	56.2	2.2	0.04	0.4	0.02	1.7	0.04	2.9	0.05	
Eup/Myeon	100,375	43.8	5.7	0.07	0.3	0.02	2.3	0.05	2.6	0.05	

Chi-square test, T-test and ANOVA were performed, ^{a-f}denoted by Scheffe's post hoc test.

[†]SD: standard error.

*P-value>.05.

Appendix Table 1B. Distribution of subjects and tooth brushing patterns according to independent variables

Variables	Total (N=229,099)		At least twice in a day including before go to bed				Whenever at least twice in a day					
	N	%	And breakfast		And lunch		And dinner		Mean (%)		SD	
			Mean (%)	SD [†]	Mean (%)	SD	Mean (%)	SD	Mean (%)	SD	Mean (%)	SD
Gender												
Male	102,572	44.8	10.9	0.10	2.5*	0.05	2.9	0.05	86.2	0.11		
Female	126,527	55.2	9.6	0.08	2.6*	0.05	1.8	0.04	92.7	0.07		
Age (years)												
19-34	34,474	15.1	8.3 ^a	0.10	7.2 ^a	0.10	4.7 ^a	0.10	91.1 ^a	0.20		
35-44	31,816	13.9	9.4 ^b	0.20	4.8 ^b	0.10	3.1 ^b	0.10	92.8 ^b	0.10		
45-54	40,198	17.6	9.9 ^b	0.10	2.7 ^c	0.10	2.2 ^c	0.10	93.0 ^b	0.10		
55-64	48,064	21.0	10.7 ^c	0.10	1.1 ^d	0.00	1.5 ^d	0.10	92.4 ^b	0.10		
65-74	39,104	17.1	11.6 ^d	0.20	0.6 ^e	0.00	1.2 ^e	0.10	88.9 ^c	0.20		
≥ 75	35,443	15.5	10.8 ^c	0.20	0.3 ^e	0.00	1.4 ^{de}	0.10	79.6 ^d	0.20		
Household income												
Lower	34,416	15.4	9.5 ^a	0.20	0.7 ^a	0.00	1.7 ^a	0.10	81.9 ^a	0.20		
Lower-middle	35,459	15.8	10.5 ^b	0.20	1.4 ^b	0.10	1.9 ^{ab}	0.10	87.1 ^b	0.20		
Middle	33,730	15.1	10.7 ^b	0.20	2.2 ^c	0.10	2.2 ^{bc}	0.10	90.1 ^c	0.20		
Middle-high	83,622	37.3	10.2 ^b	0.10	3.4 ^d	0.10	2.6 ^d	0.10	92.3 ^d	0.10		
High	36,724	16.4	9.5 ^a	0.20	4.2 ^e	0.10	2.5 ^{cd}	0.10	93.7 ^e	0.10		
Occupation												
Managers/professionals	23,195	10.1	7.0 ^a	0.20	4.3 ^a	0.10	2.1 ^a	0.10	94.7 ^a	0.10		
Office workers	19,696	8.60	6.2 ^a	0.20	5.3 ^b	0.20	1.8 ^a	0.10	95.5 ^a	0.10		
Service & sales workers	30,083	13.2	9.7 ^b	0.20	3.7 ^c	0.10	2.6 ^b	0.10	93.5 ^b	0.10		
Agricultural & fishery	25,354	11.1	10.9 ^c	0.20	0.4 ^d	0.00	2.0 ^a	0.10	83.3 ^c	0.20		
Machine operators	21,195	9.30	12.1 ^d	0.20	2.3 ^c	0.10	3.7 ^c	0.10	89.0 ^d	0.20		
Daily labors	21,672	9.50	11.2 ^{cd}	0.20	1.7 ^f	0.10	2.1 ^a	0.10	89.7 ^d	0.20		
Etc (soldiers, housewife, students)	87,590	38.3	11.2 ^{cd}	0.10	2.1 ^{ef}	0.00	2.1 ^a	0.00	88.0 ^e	0.10		
Economic activity												
Active	141,959	62.0	9.6	0.08	2.9	0.04	2.4	0.04	90.9	0.08		
None	87,056	38.0	11.2	0.11	2.1	0.05	2.1	0.05	87.9	0.11		
Education												
≤ Middle	80,883	35.3	11.2 ^a	0.10	0.5 ^a	0.00	1.5 ^a	0.00	85.0 ^a	0.10		
≤ High	65,466	28.6	10.7 ^b	0.10	2.4 ^b	0.10	2.5 ^b	0.10	91.4 ^b	0.10		
≥ University	82,527	36.1	8.8 ^c	0.10	4.8 ^c	0.10	2.8 ^c	0.10	93.2 ^c	0.10		
Spouses												
With	152,094	66.5	10.3	0.08	2.1	0.04	2.0	0.04	90.8	0.07		
Without	76,788	34.0	9.9	0.11	3.6	0.07	2.9	0.06	87.8	0.12		
Residence												
Dong	128,724	56.2	10.6	0.09	3.5	0.05	2.5	0.04	91.8	0.08		
Eup/Myeon	100,375	43.8	9.7	0.09	1.4	0.04	2.0	0.04	87.2	0.11		

Chi-square test, T-test and ANOVA were performed, ^{a-f}denoted by Scheffé's post hoc test.[†]SD: standard error.

*P-value > .05.