

Table 1. Sample characteristics

Variable	n	%
Received information on oral hygiene		
Yes	14,679	62.4
No	9,397	37.6
Source of information		
No information received	9,397	37.6
MINSA	8,659	32.1
ESSALUD	1,559	7.2
FF. AA. and PNP	41	0.2
Private sector	1,935	11.4
Mass Media	1,213	5.8
Institutional education	1,272	5.8
How many times a day		
1 time a day	3,329	15.2
2 times a day	7,805	42.50
3 or more times a day	7,606	42.4
Use of toothpaste when brushing		
No	421	1.5
Yes	2,1746	98.5
Sex		
Male	12,200	51.1
Female	11,876	48.9
Age		
0-5 years	11,137	36.4
6-11 years	12,939	63.6
Natural region		
Lima Metropolitan	2,604	31.7
Coast	7,397	25.4
Highlands	7,823	27.5
Jungle	6,252	15.4
Area of residence		
Urban	16,775	75.8
Rural	7,301	24.2

n: Absolute frequency

%: Proportion with weights

Source: by the authors

Table 2. Analysis of toothbrushing practices and study variables

	DAILY TOOTHBRUSHING					TOOTHBRUSHING FREQUENCY						USE OF TOOTH PASTE					
	No		Yes		p	1 time a day		2 times a day		3 or more times		p	No		Yes		p
	N	%	N	%		N	%	N	%	N	%		N	%	N	%	
Received oral hygiene information																	
No	1,362	41.42	6,941	35.73	<0.001	1,469	43.02	2,910	36.08	2,562	32.77	<0.001	160	40.43	8,143	36.42	0.216
Yes	2065	58.58	11,799	64.27		1,860	56.98	4,895	63.92	5,044	67.22		261	59.56	13,603	63.57	
Oral hygiene information providers																	
Didn't receive information	1,362	41.41	6,941	35.73	<0.001	1,469	43.01	2,910	36.08	2,562	32.77	<0.001	160	40.43	8,143	36.42	0.203
MINSAs	1,343	33.83	6,729	32.01		1,087	29.33	2,671	30.43	2,971	34.54		146	30.71	7,926	32.27	
EsSalud	176	5.69	1,312	7.55		194	6.16	541	7.08	577	8.52		37	7.33	1,451	7.31	
FF. AA. and PNP	2	0.05	38	0.25		1	0	15	0.2	22	0.4		0	0	40	0.23	
Private Sector	194	7.79	1,676	12.33		235	9.6	756	13.14	685	12.48		42	10.56	1,828	11.75	
Mass Media	189	5.95	946	5.88		179	6.47	429	6.43	338	5.13		27	8.68	1,108	5.86	
Educational Institutions	161	5.24	1,098	6.22		164	5.39	483	6.61	451	6.13		9	2.28	1,250	6.15	
Sex																	
Male	1,754	51.18	9,449	51.02	0.9073	1,733	52.11	4,007	52,529	3,709	49.12	0.014	218	49.89	10,985	51.06	0.73
Female	1,673	48.82	9,291	48,976		1,596	47.88	3,798	47.47	3,897	50.87		203	50.1	10,761	48.93	
Age																	
0-5 years	1,924	45.99	7,488	31.54	<0.001	1,604	38.2	3,211	32.73	2,673	27.96	<0.001	384	87.79	9,028	32,636	<0.001
6-11 years	1,503	54.01	11,252	68.46		1,725	61.79	4,594	67.26	4,933	72.03		37	12.2	12,718	67.36	
Natural region																	
Metropolitan Lima	287	25.76	2,160	33.15	<0.001	306	28.4	914	33.34	940	34.66	0.001	44	30.6	2,403	32.2	0.081
Rest of Coast	836	20.06	6,003	26.16		988	23.49	2,572	26.35	2,443	26.92		162	32.11	6,677	25.26	
Highlands	1,680	42.79	5,460	24.89		1,151	32.37	2,211	25.39	2,098	21.71		154	31.06	6,986	27.19	
Jungle	624	11.38	5,117	15.79		884	15.73	2,108	14.9	2,125	16.7		61	6.22	5,680	15.34	
Area of residence																	
Urban	2,157	68.39	13,442	77.77	<0.001	2,266	73.25	5,792	79.19	5,384	77.96	0.012	323	80.35	15,276	76.47	0.134
Rural	127	31.61	5,298	22.23		1,063	26.74	2,013	20.81	2,222	22.03		98	19.64	6,470	23.52	

N: Absolute frequency

P-value: The Chi² and Chi² linear trend test was used

* FF. AA. and PNP were not considered to assess association

%: Proportions with weights

Source: by the authors

Table 3. Multivariate analysis using Poisson models

Variable	DAILY TOTHBRUSHING						TOOTHBRUSHING FREQUENCY						USE OF TOOTHPASTE					
	Model 1 Crude			Model 2 Adjusted			Model 1 Crude			Model 2 Adjusted			Model 1 Crude			Model 2 Adjusted		
	PR	95% CI	p	PR	95% CI	p	PR	95% CI	p	PR	95% CI	p	PR	95% CI	p	PR	95% CI	p
<i>Received oral hygiene information</i>																		
No	Ref.			Ref.			Ref.			Ref.			Ref.			Ref.		
Yes	1.03	1.02-1.05	<0.001	1.04	1.02-1.06	<0.001	1.06	1.04 - 1.08	<0.001	1.06	1.04-1.08	<0.001	1	1-1.01	0.238	1	1-1.01	0.187
<i>Sex</i>																		
Male				Ref.						Ref.						Ref.		
Female				1	0.99-1.01	0.916				1.01	0.99-1.03	0.396				1	0.99-1	0.73
<i>Age</i>																		
0-5 years				Ref.						Ref.						Ref.		
6-11 years				1.1	1.08-1.11	<0.001				1.06	1.04-1.08	<0.001				1.04	1.03-1.04	<0.001
<i>Natural Region</i>																		
Metropolitan Lima				Ref.						Ref.						Ref.		
Coast				1	0.99-1.03	0.513				0.99	0.97-1.02	0.943				0.99	0.99 -1	0.043
Highlands				0.9	0.88-0.92	<0.001				0.93	0.90-0.95	<0.001				0.99	0.99-1	0.049
Jungle				1.02	1-1.04	0.049				0.99	0.96-1.01	0.331				1.01	1-1.01	0.066
<i>Area of residence</i>																		
Urban				Ref.						Ref.						Ref.		
Rural				0.96	0.95-0.98	<0.001				0.98	0.96-1	0.082				1	1-1.01	0.549

Source: by the authors