

Table 1. Diseases self-reported by the older adults participating in the study. Envigado, 2018

Disease	Male % (n)	Female % (n)	Total % (n)
High Blood Pressure			
Yes	36.4 (4)	36.4 (29)	55.9 (33)
No	63.6 (7)	63.6 (19)	44.1 (26)
Diabetes (n=58)			
Yes	27.3 (3)	31.9 (15)	31.0 (18)
No	72.7 (8)	68.1 (32)	69.0 (40)
Cancer (n=58)			
Yes	36.4 (4)	27.7 (13)	29.3 (17)
No	63.6 (7)	72.3 (34)	70.7 (41)
Chronic Obstructive Pulmonary Disease			
Yes	36.4 (4)	31.2 (15)	32.2 (19)
No	63.6 (4)	68.8 (33)	67.8 (40)
Heart Disease			
Yes	18.2 (2)	33.3 (16)	30.5 (18)
No	81.8 (9)	66.7 (32)	69.5 (41)
Arthritis			
Yes	18.2 (2)	35.4 (17)	32.2 (19)
No	81.8 (9)	64.6 (31)	67.8 (40)
Osteoporosis			
Yes	9.1 (1)	37.5 (18)	32.2 (19)
No	90.9 ¹⁰	62.5 (30)	67.8 (40)
Increased cholesterol/triglyceride levels			
Yes	54.5 (6)	43.8 (21)	45.8 (27)
No	45.5 (5)	56.2 (27)	54.2 (32)
Mental disease			
Yes	27.3 (3)	18.75 (9)	20.3 (12)
No	72.7 (8)	81.25 (39)	79.7 (47)
Urinary incontinence (n=58)			
Yes	54.5 (6)	38.3 (18)	41.4 (24)
No	45.5 (5)	61.7 (29)	58.6 (34)

Source: by the authors

Table 2. Proportional distribution of oral health variables in the study population

Variable	n	%
Natural dental parts n = 57		
Yes	30.0	52.6
No	27.0	47.4
Total	57.0	100.0
Full prosthesis		
Yes	23.0	39.0
No	36.0	61.0
Total	59.0	100.0
Partial prosthesis n = 57		
Yes	30.0	52.6
No	27.0	47.4
Total	57.0	100.0
Absence of teeth n = 56		
Yes	49.0	87.5
No	7.0	12.5
Total	56.0	100.0
Daily brushing		
2 times or less	30.0	50.8
3 times or more	29.0	49.2
Total	59.0	100.0
Use of dental floss a day		
1 time	10.0	16.9
2 or more times	10.0	16.9
Doesn't use	39.0	66.1
Total	59.0	100.0
Last visit to the dentist		
Less than a year	15.0	25.4
More than a year	32.0	54.2
Doesn't remember	12.0	20.3
Total	56.0	100.0

Source: by the authors

Table 3. Percentage distribution of GOHAI responses in the study population. Envigado, 2018

Dimension/Question	1	2	3	4	5
	Always % (n)	Often % (n)	Sometimes % (n)	Rarely % (n)	Never % (n)
Physical function					
1. How often did you limit the kinds or amounts of food you eat because of problems with your teeth or dentures?	8.5 (5)	10.2 (6)	10.2 (6)	8.5 (5)	62.7 (37)
2. How often could you not swallow well or comfortably?	5.1(3)	5.1(3)	8.5 (5)	6.8 (4)	74.6 (44)
3. How often have your teeth or dentures prevented you from speaking the way you wanted?	1 (1.7)	5.1(3)	10.2 (6)	6.8 (4)	76.3 (45)
4. How often did you feel discomfort trying to eat what you wanted?	10.2 (6)	13.6 (8)	13.6 (8)	15.3 (9)	47.5 (28)
Psychosocial function					
5. How often did you limit contacts with people because of the condition of your teeth or dentures?	0 (0)	3.4 (2)	5.1(3)	11.9 (7)	79.7 (47)
6. How often were you displeased or unhappy with the looks of your teeth, gums, or dentures?	6.8 (4)	3.4 (2)	6.8 (4)	6.8 (4)	76.3 (45)
7. How often were you worried or concerned about problems with your teeth, gums, or dentures?	3.4 (2)	6.8 (4)	10.2 (6)	11.9 (7)	67.8 (40)
8. How often did you feel nervous or self-conscious because of problems with your teeth, gums, or dentures?	1.7 (1)	6.8 (4)	3.4 (2)	6.8 (4)	48 (81.4)
9. How often did you feel uncomfortable eating in front of people because of problems with your teeth, gums, or dentures?	6.8 (4)	6.8 (4)	11.9 (7)	3.4 (2)	71.2 (42)
10. How often did you avoid laughing or smiling because of unattractive teeth or gums?	3.4 (2)	3.4 (2)	15.3 (9)	1.7 (1)	76.3 (45)
Pain and discomfort					
11. How often have you had pain or discomfort around your mouth?	1.7 (1)	13.6 (8)	16.9 (10)	11.9 (7)	55.9 (33)
12. How often were your teeth or gums sensitive to hot, cold, or sweet foods?	1.7 (1)	8.5 (5)	10.2 (6)	3.4 (2)	76.3 (45)

Source: by the authors

Table 4. Oral health-related quality of life (OHRQoL) associated with general health variables of the study's older adults

General health variables	OHRQoL		Total	Chi ² (p-value)	PR (95% CI)
	Poor/bad n (%)	Good n (%)			
Perception of health status					
Excellent or good	8 (25.0%)	15 (55.6%)	23	5.748 (0.017)	1.00
Poor or bad	24 (75.0%)	12 (44.4%)	36		1.92 (1.05; 3.51)
Chronic multimorbidity					
2 diseases or less	9 (28.1%)	22 (81.5%)	31	16.719	1.00
3 diseases or more	23 (71.9%)	5 (18.5%)	28	(0.000)	2.829 (1.59; 5.04)

Source: by the authors

Table 5. Economic, social, housing variables, overall health situation, oral health situation and quality of life, which contribute the most to the explanation of the poor/bad OHRQoL in a group of elderly adults from Envigado in 2018

Variables	Crude PR	95% CI		Adjusted PR	95% CI	
		LL	UP		LL	UP
Economic variables						
Occupation						
No occupation	1.00	-	-	1.00	-	-
With occupation	1.37	0.87	2.15	3.79	0.49	29.28
Economic satisfaction						
Good or very good	1.00	-	-	1.00	-	-
Neither good nor bad	2.50	0.97	6.44	1.10	0.09	13.50
Bad or very bad	1.80	0.60	5.37	1.58	0.09	27.75
Social variables						
Close persons						
More than 5 people	1.00	-	-	1.00	-	-
5 people or less	1.56	0.92	2.64	2.12	0.33	13.87
Housing variables						
Adequate housing and needs						
Adequate	1.00	-	-	1.00	-	-
Not adequate	1.37	0.88	2.15	0.19	0.02	2.01
General health variables						
Perception of health status						
Excellent or good	1.00	-	-	1.00	-	-
Poor or bad	1.92	1.05	3.51	22.33	1.50	332.11
Satisfaction with health status						
Good or very good	1.00	-	-	1.00	-	-
Poor or bad	1.92	1.05	3.51	0.11	0.01	2.26
Hearing disability						
No	1.00	-	-	1.00	-	-
Yes	1.60	1.02	2.49	5.33	0.49	58.02
Visual disability						
No	1.00	-	-	1.00	-	-
Yes	2.06	1.02	4.14	0.389	0.05	2.95
Chronic multimorbidity						
2 diseases or less	1.00	-	-	1.00	-	-
3 diseases or more	2.83	1.59	5.04	99.41	3.84	2576.13
Mobility						
Needs help	1.00	-	-	1.00	-	-

Autonomous	1.41	0.90	2.21	2.02	0.13	31.79
Mobility and ambulation						
Needs help	1.00	-	-	1.00	-	-
Autonomous	1.46	0.94	2.28	1.84	0.11	31.61
Vision and hearing						
Normal or corrected	1.00	-	-	1.00	-	-
Unrectified alteration	1.54	0.97	2.45	0.98	0.10	10.97
Cardiorespiratory system						
No alterations	1.00	-	-	1.00	-	-
Dyspnea in any degree of severity	1.44	0.90	2.29	0.49	0.10	3.12
Understanding and language						
Some difficulty	1.00	-	-	1.00	-	-
Normal for age	2.47	0.90	6.75	0.14	0.02	1.03
Neurological impairment (tremor)						
No alterations	1.00	-	-	1	-	-
Tremor in any degree of severity	1.38	0.88	2.18	0.52	0.09	2.95
Oral health variables						
Natural teeth						
	1.00	-	-	1.00	-	-
No	1.67	1.00	2.78	0.38	0.02	9.06
Full prosthesis						
No	1.00	-	-	1.00	-	-
Yes	1.774	1.12	2.80	2.286	0.14	37.99
Flossing						
Yes	1.00	-	-	1.00	-	-
No	1.54	0.85	2.78	0.44	0.05	3.64
Quality of Life Variables (QL)						
How you feel concerning your QL						
Good	1.00	-	-	1.00	-	-
Not so good or bad	1.36	0.86	2.16	0.68	0.08	5.90

*LL: Lower Limit – UP: Upper Limit

Source: by the authors