Oral Health Literacy

2024-04-26

Demographic distribution of respondents

Characteristic	N = 481
age	68.91 ± 8.36
age_cat	
>90	3.0 (0.6%)
51-60	108.0 (22.5%)
61-70	219.0 (45.5%)
71-80	106.0 (22.0%)
81-90	45.0 (9.4%)
gend	
Female	326.0 (67.9%)
Male	154.0 (32.1%)
Unknown	1

Oral health Literacy of respondents

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## Warning: fonts used in `flextable` are ignored because the `pdflatex` engine is
## used and not `xelatex` or `lualatex`. You can avoid this warning by using the
## `set_flextable_defaults(fonts_ignore=TRUE)` command or use a compatible engine
## by defining `latex_engine: xelatex` in the YAML header of the R Markdown
## document.
```

Characteristic	N = 481[1]
Communication	93.0 (19.3%)
Receptivity 1	116.0 (24.1%)
Receptivity 2	117.0 (24.3%)
Understanding/Education	125.0 (26.0%)
Utilisation 1	129.0 (26.8%)
Utilisation 2	114.0 (23.7%)
Support	264.0 (54.9%)
Score	1.99 ± 1.83
Oral Health Literacy Category	
High	90.0 (18.7%)
Low	391.0 (81.3%)

[1]n (%); Mean ± SD

Characteristic	N = 481
Communication	0.19 ± 0.40
Receptivity 1	0.24 ± 0.43
Receptivity 2	0.24 ± 0.43
Understanding/Education	0.26 ± 0.44
Utilisation 1	0.27 ± 0.44
Utilisation 2	0.24 ± 0.43
Support	0.55 ± 0.50
Score	1.99 ± 1.83

Oral health Literacy across age, gender, education

Characteristic	51-60, N = 108	61-70, N = 219	71-80, N = 106	81-90, N = 45	>90, N = 3	p-value
Communication	24.0 (22.2%)	49.0 (22.4%)	11.0 (10.4%)	9.0 (20.0%)	0.0 (0.0%)	0.075
Receptivity 1	31.0 (28.7%)	54.0 (24.7%)	20.0 (18.9%)	11.0 (24.4%)	0.0 (0.0%)	0.5
Receptivity 2	28.0 (25.9%)	55.0 (25.1%)	22.0 (20.8%)	12.0 (26.7%)	0.0 (0.0%)	0.8
Understanding/Education	32.0 (29.6%)	59.0 (26.9%)	25.0 (23.6%)	9.0 (20.0%)	0.0 (0.0%)	0.6
Utilisation 1	32.0 (29.6%)	64.0 (29.2%)	23.0 (21.7%)	10.0 (22.2%)	0.0 (0.0%)	0.5
Utilisation 2	30.0 (27.8%)	59.0 (26.9%)	17.0 (16.0%)	8.0 (17.8%)	0.0 (0.0%)	0.12
Support	72.0 (66.7%)	123.0 (56.2%)	47.0 (44.3%)	21.0 (46.7%)	1.0 (33.3%)	0.008
Score	2.31 ± 1.82	2.11 ± 1.81	1.55 ± 1.71	1.78 ± 2.03	0.33 ± 0.58	<0.001
Oral Health Literacy Category						0.032
High	26.0 (24.1%)	47.0 (21.5%)	10.0 (9.4%)	7.0 (15.6%)	0.0 (0.0%)	
Low	82.0 (75.9%)	172.0 (78.5%)	96.0 (90.6%)	38.0 (84.4%)	3.0 (100.0%)	

Characteristic	Female, N = 326	Male, N = 154	p-value
Communication	68.0 (20.9%)	25.0 (16.2%)	0.2
Receptivity 1	83.0 (25.5%)	33.0 (21.4%)	0.3
Receptivity 2	78.0 (23.9%)	39.0 (25.3%)	0.7
Understanding/Education	81.0 (24.8%)	44.0 (28.6%)	0.4
Utilisation 1	97.0 (29.8%)	32.0 (20.8%)	0.038
Utilisation 2	84.0 (25.8%)	30.0 (19.5%)	0.13
Support	178.0 (54.6%)	85.0 (55.2%)	>0.9
Score	2.05 ± 1.93	1.86 ± 1.60	0.7
Oral Health Literacy Category			0.5
High	64.0 (19.6%)	26.0 (16.9%)	
Low	262.0 (80.4%)	128.0 (83.1%)	

Characteristic	NO, N = 356	YES, N = 125	p-value
Communication	39.0 (11.0%)	54.0 (43.2%)	<0.001
Receptivity 1	83.0 (23.3%)	33.0 (26.4%)	0.5
Receptivity 2	84.0 (23.6%)	33.0 (26.4%)	0.5
Utilisation 1	56.0 (15.7%)	73.0 (58.4%)	<0.001

Characteristic	NO, N = 356	YES, N = 125	p-value
Utilisation 2	59.0 (16.6%)	55.0 (44.0%)	<0.001
Support	182.0 (51.1%)	82.0 (65.6%)	0.005
Score	1.41 ± 1.45	3.63 ± 1.81	<0.001
Oral Health Literacy Category			<0.001
High	31.0 (8.7%)	59.0 (47.2%)	
Low	325.0 (91.3%)	66.0 (52.8%)	

Plots

Characteristic	N = 178
Perceived Susceptibility: Belief in having oral disease	136 (76%)
Perceived Severity: Belief that oral disease causes pain	165 (93%)
Perceived Severity: Belief that oral disease causes disability	134 (75%)
Perceived Severity: Belief that oral disease can cause death	125 (70%)
Perceived Severity: Belief that oral disease affects finances	143 (80%)
Perceived Severity: Belief that oral disease causes family problems	115 (65%)
Perceived Benefits: Belief in ability to prevent oral disease	151 (85%)
Perceived Barriers: Belief that taking prevention steps is difficult	53 (30%)
Perceived Barriers: How taking prevention steps is difficult	
FIN CONS	27 (75%)
Ignorance	5 (14%)
LAZINESS	1 (2.8%)
STUBBORN	1 (2.8%)
WORK	2 (5.6%)
Unanswered	142
Perceived Barriers: Preventive action trigger	
CDA Official	1 (0.6%)
Free Treatment	1 (0.6%)
MYSELF	49 (28%)
Outreach doctor	124 (71%)
Unanswered	3
Self Efficacy: Readiness to take preventive action	
NOT YET	16 (9.0%)
READY	162 (91%)

Characteristic	N = 170
Phases	
ACT	82 (48%)
ACTION	2 (1.2%)
CONTEMP	19 (11%)
PRE-CON	23 (14%)
PREP	44 (26%)
Distance	2 (1.2%)
Fear and Anxiety	17 (10%)
Ignorance	101 (59%)
Lack of Assistance	17 (10%)
Mobility	2 (1.2%)
Financial Constraint	68 (40%)