Oral Health Literacy

2024-04-26

## Demographic distribution of respondents

| **Characteristic** | **N = 481**1 |
| --- | --- |
| 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 |
| 1Mean ± SD; n (%) | |

## Oral health Literacy of respondents

| **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%) |
| 1n (%); Mean ± SD | |

| **Characteristic** | **N = 481**1 |
| --- | --- |
| 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 |
| 1Mean ± SD | |

## Oral health Literacy across age, gender,education

| **Characteristic** | **51-60**, N = 1081 | **61-70**, N = 2191 | **71-80**, N = 1061 | **81-90**, N = 451 | **>90**, N = 31 | **p-value**2 |
| --- | --- | --- | --- | --- | --- | --- |
| 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%) |  |
| 1n (%); Mean ± SD | | | | | | |
| 2Fisher's exact test; Kruskal-Wallis rank sum test | | | | | | |

| **Characteristic** | **Female**, N = 3261 | **Male**, N = 1541 | **p-value**2 |
| --- | --- | --- | --- |
| 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%) |  |
| 1n (%); Mean ± SD | | | |
| 2Pearson's Chi-squared test; Wilcoxon rank sum test | | | |

| **Characteristic** | **NO**, N = 3561 | **YES**, N = 1251 | **p-value**2 |
| --- | --- | --- | --- |
| 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 |
| 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%) |  |
| 1n (%); Mean ± SD | | | |
| 2Pearson's Chi-squared test; Wilcoxon rank sum test | | | |

## Plots

| **Characteristic** | **N = 150**1 |
| --- | --- |
| Perceived Susceptibility: Belief in having oral disease | 113 (75%) |
| Perceived Severity: Belief that oral disease causes pain | 139 (93%) |
| Perceived Severity: Belief that oral disease causes disability | 113 (75%) |
| Perceived Severity: Belief that oral disease can cause death | 104 (69%) |
| Perceived Severity: Belief that oral disease affects finances | 119 (79%) |
| Perceived Severity: Belief that oral disease causes family problems | 97 (65%) |
| Perceived Benefits: Belief in ability to prevent oral disease | 126 (84%) |
| Perceived Barriers: Belief that taking prevention steps is difficult | 45 (30%) |
| Perceived Barriers: How taking prevention steps is difficult |  |
| FIN CONS | 21 (70%) |
| Ignorance | 5 (17%) |
| LAZINESS | 1 (3.3%) |
| STUBBORN | 1 (3.3%) |
| WORK | 2 (6.7%) |
| Unanswered | 120 |
| Perceived Barriers: Preventive action trigger |  |
| CDA Official | 1 (0.7%) |
| Free Treatment | 1 (0.7%) |
| MYSELF | 40 (27%) |
| Outreach doctor | 106 (72%) |
| Unanswered | 2 |
| Self Efficacy: Readiness to take preventive action |  |
| NOT YET | 12 (8.0%) |
| READY | 138 (92%) |
| 1n (%) | |

| **Characteristic** | **N = 150**1 |
| --- | --- |
| Phases |  |
| ACT | 62 (41%) |
| ACTION | 2 (1.3%) |
| CONTEMP | 19 (13%) |
| PRE-CON | 23 (15%) |
| PREP | 44 (29%) |
| Distance | 2 (1.3%) |
| Fear and Anxiety | 17 (11%) |
| Ignorance | 94 (63%) |
| Lack of Assistance | 15 (10%) |
| Mobility | 1 (0.7%) |
| Financial Constraint | 56 (37%) |
| 1n (%) | |

## # A tibble: 150 × 3  
## action PHASES no\_intervention  
## <chr> <chr> <chr>   
## 1 Action Not yet Action   
## 2 Action Not yet Action   
## 3 Action Not yet Action   
## 4 Action Not yet Action   
## 5 Action Not yet Action   
## 6 Action Not yet Action   
## 7 Action Not yet Action   
## 8 Action Action Action   
## 9 Action Not yet Action   
## 10 Action Not yet Action   
## # ℹ 140 more rows

| **Characteristic** | **Action**, N = 3281 | **Not yet**, N = 1221 | **p-value**2 |
| --- | --- | --- | --- |
| group |  |  | <0.001 |
| action | 138 (31%) | 12 (2.7%) |  |
| no\_intervention | 128 (28%) | 22 (4.9%) |  |
| PHASES | 62 (14%) | 88 (20%) |  |
| 1n (%) | | | |
| 2Pearson's Chi-squared test | | | |

