regression\_tables

── Attaching core tidyverse packages ──────────────────────── tidyverse 2.0.0 ──  
✔ dplyr 1.1.4 ✔ readr 2.1.5  
✔ forcats 1.0.0 ✔ stringr 1.5.1  
✔ ggplot2 4.0.0 ✔ tibble 3.2.1  
✔ lubridate 1.9.4 ✔ tidyr 1.3.1  
✔ purrr 1.0.2   
── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
✖ dplyr::filter() masks stats::filter()  
✖ dplyr::lag() masks stats::lag()  
ℹ Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors  
  
Attaching package: 'janitor'  
  
  
The following objects are masked from 'package:stats':  
  
 chisq.test, fisher.test  
  
  
here() starts at C:/Users/Lenovo/OneDrive/Desktop/Malawi\_PPT\_Project/PPT\_Content\_development  
  
New names:

Awareness of the digital health surveillance platform. A cumulative median score of >=3 will indicate a high awareness score of digital health surveillance.

# Acceptance of digital health surveillance platform.

#| echo: false  
  
model\_data |>   
 select( demo\_v, Acceptance\_level) |>   
 tbl\_summary(by = Acceptance\_level,  
 missing = "no",   
 label = list( gender~ "Gender",  
 age\_group2~ "Age group",  
 edu~ "Education level",  
 locat~ "Location",  
 district~ "District"),   
   
 statistic = list(  
 all\_categorical() ~ "{n} ({p})", # default  
 all\_continuous() ~ "{mean} ± {sd}" ) )%>%  
 modify\_header(label = "\*\*Variable\*\*") %>%  
 modify\_caption("\*\*Acceptance level of digital health tool\*\*") %>%  
 add\_ci() %>%  
 add\_p() %>%  
 modify\_fmt\_fun(  
 statistic = label\_style\_percent(symbol = FALSE),  
 ci = label\_style\_percent(symbol = FALSE))

Warning: Using an external vector in selections was deprecated in tidyselect 1.1.0.  
ℹ Please use `all\_of()` or `any\_of()` instead.  
 # Was:  
 data %>% select(demo\_v)  
  
 # Now:  
 data %>% select(all\_of(demo\_v))  
  
See <https://tidyselect.r-lib.org/reference/faq-external-vector.html>.

| **Variable** | **high acceptance** N = 1,032*1* | **95% CI***2* | **low acceptance** N = 142*1* | **95% CI***2* | **p-value***3* |
| --- | --- | --- | --- | --- | --- |
| Gender |  |  |  |  | 0.2 |
| female | 668 (65) | 62%, 68% | 100 (70) | 62%, 78% |  |
| male | 364 (35) | 32%, 38% | 42 (30) | 22%, 38% |  |
| Age group |  |  |  |  | 0.013 |
| 18-39 | 666 (65) | 62%, 67% | 82 (58) | 49%, 66% |  |
| 40-59 | 278 (27) | 24%, 30% | 37 (26) | 19%, 34% |  |
| 60+ | 88 (8.5) | 6.9%, 10% | 23 (16) | 11%, 24% |  |
| Education level |  |  |  |  | <0.001 |
| no formal education | 51 (4.9) | 3.7%, 6.5% | 24 (17) | 11%, 24% |  |
| primary | 475 (46) | 43%, 49% | 79 (56) | 47%, 64% |  |
| secondary | 417 (40) | 37%, 43% | 35 (25) | 18%, 33% |  |
| tertiary | 89 (8.6) | 7.0%, 11% | 4 (2.8) | 0.91%, 7.5% |  |
| Location |  |  |  |  | 0.030 |
| rural | 569 (55) | 52%, 58% | 92 (65) | 56%, 72% |  |
| urban | 463 (45) | 42%, 48% | 50 (35) | 28%, 44% |  |
| District |  |  |  |  | 0.002 |
| balaka | 104 (10) | 8.3%, 12% | 15 (11) | 6.2%, 17% |  |
| blantyre | 118 (11) | 9.6%, 14% | 14 (9.9) | 5.7%, 16% |  |
| chikwawa | 74 (7.2) | 5.7%, 9.0% | 20 (14) | 9.0%, 21% |  |
| chitipa | 121 (12) | 9.9%, 14% | 11 (7.7) | 4.1%, 14% |  |
| kasungu | 97 (9.4) | 7.7%, 11% | 11 (7.7) | 4.1%, 14% |  |
| lilongwe | 91 (8.8) | 7.2%, 11% | 5 (3.5) | 1.3%, 8.4% |  |
| mzimba south | 110 (11) | 8.9%, 13% | 10 (7.0) | 3.6%, 13% |  |
| phalombe | 95 (9.2) | 7.5%, 11% | 13 (9.2) | 5.2%, 15% |  |
| salima | 118 (11) | 9.6%, 14% | 15 (11) | 6.2%, 17% |  |
| thyolo | 104 (10) | 8.3%, 12% | 28 (20) | 14%, 27% |  |
| *1*n (%) | | | | | |
| *2*CI = Confidence Interval | | | | | |
| *3*Pearson's Chi-squared test | | | | | |

## logistic regression tables

|  | **Crude OR (95% CI)** | | | | **Adjusted OR (95% CI)** | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Predictors** | **N** | **exp(Beta)** | **95% CI***1* | **p-value** | **OR***1* | **95% CI***1* | **p-value** |
| gender | 1,174 |  |  | 0.181 |  |  | 0.8 |
| *female* |  | — | — |  | — | — |  |
| *male* |  | 1.03 | 0.99, 1.07 |  | 1.07 | 0.71, 1.62 |  |
| age\_group2 | 1,174 |  |  | **0.013** |  |  | 0.4 |
| *18-39* |  | — | — |  | — | — |  |
| *40-59* |  | 0.99 | 0.95, 1.04 |  | 1.14 | 0.74, 1.79 |  |
| *60+* |  | 0.91 | 0.85, 0.97 |  | 0.72 | 0.41, 1.30 |  |
| edu | 1,174 |  |  | **<0.001** |  |  | **0.002** |
| *no formal education* |  | — | — |  | — | — |  |
| *primary* |  | 1.19 | 1.11, 1.29 |  | 2.03 | 1.12, 3.61 |  |
| *secondary* |  | 1.27 | 1.18, 1.38 |  | 3.34 | 1.70, 6.48 |  |
| *tertiary* |  | 1.32 | 1.20, 1.45 |  | 5.53 | 1.84, 20.7 |  |
| locat | 1,174 |  |  | **0.029** |  |  | 0.2 |
| *rural* |  | — | — |  | — | — |  |
| *urban* |  | 1.04 | 1.00, 1.08 |  | 1.28 | 0.86, 1.91 |  |
| district | 1,174 |  |  | **0.002** |  |  | **0.046** |
| *balaka* |  | — | — |  | — | — |  |
| *blantyre* |  | 1.02 | 0.94, 1.11 |  | 1.11 | 0.49, 2.49 |  |
| *chikwawa* |  | 0.92 | 0.84, 1.00 |  | 0.60 | 0.27, 1.30 |  |
| *chitipa* |  | 1.04 | 0.96, 1.13 |  | 1.18 | 0.51, 2.82 |  |
| *kasungu* |  | 1.02 | 0.94, 1.11 |  | 1.22 | 0.52, 2.92 |  |
| *lilongwe* |  | 1.08 | 0.99, 1.17 |  | 2.29 | 0.83, 7.38 |  |
| *mzimba south* |  | 1.04 | 0.96, 1.13 |  | 1.44 | 0.61, 3.54 |  |
| *phalombe* |  | 1.01 | 0.92, 1.09 |  | 1.29 | 0.56, 3.01 |  |
| *salima* |  | 1.01 | 0.94, 1.10 |  | 1.03 | 0.46, 2.28 |  |
| *thyolo* |  | 0.92 | 0.85, 0.99 |  | 0.53 | 0.25, 1.08 |  |
| internet\_have | 1,174 |  |  | **<0.001** |  |  | 0.3 |
| *no* |  | — | — |  | — | — |  |
| *yes* |  | 1.10 | 1.06, 1.14 |  | 1.26 | 0.80, 1.99 |  |
| electronic\_have | 1,174 |  |  | **<0.001** |  |  | **0.001** |
| *no* |  | — | — |  | — | — |  |
| *yes* |  | 1.16 | 1.11, 1.21 |  | 2.07 | 1.33, 3.20 |  |
| *1*CI = Confidence Interval, OR = Odds Ratio | | | | | | | |