Table23\_26

# loading data and cleaning

── 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:

## Table 23 Receive or report health information using mobile phone or app

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** | **No** N = 687*1* | **95% CI***2* | **Yes** N = 487*1* | **95% CI***2* | **p-value***3* |
| --- | --- | --- | --- | --- | --- |
| Gender |  |  |  |  | 0.007 |
| Female | 471 (69) | 65%, 72% | 297 (61) | 56%, 65% |  |
| Male | 216 (31) | 28%, 35% | 190 (39) | 35%, 44% |  |
| Age group |  |  |  |  | 0.003 |
| 18-39 | 433 (63) | 59%, 67% | 315 (65) | 60%, 69% |  |
| 40-59 | 173 (25) | 22%, 29% | 142 (29) | 25%, 33% |  |
| 60+ | 81 (12) | 9.5%, 14% | 30 (6.2) | 4.3%, 8.8% |  |
| Education level |  |  |  |  | <0.001 |
| No Formal Education | 58 (8.4) | 6.5%, 11% | 17 (3.5) | 2.1%, 5.6% |  |
| Primary | 342 (50) | 46%, 54% | 212 (44) | 39%, 48% |  |
| Secondary | 247 (36) | 32%, 40% | 205 (42) | 38%, 47% |  |
| Tertiary | 40 (5.8) | 4.2%, 7.9% | 53 (11) | 8.3%, 14% |  |
| Location |  |  |  |  | 0.13 |
| Rural | 374 (54) | 51%, 58% | 287 (59) | 54%, 63% |  |
| Urban | 313 (46) | 42%, 49% | 200 (41) | 37%, 46% |  |
| District |  |  |  |  | 0.001 |
| Balaka | 65 (9.5) | 7.4%, 12% | 54 (11) | 8.5%, 14% |  |
| Blantyre | 84 (12) | 9.9%, 15% | 48 (9.9) | 7.4%, 13% |  |
| Chikwawa | 67 (9.8) | 7.7%, 12% | 27 (5.5) | 3.8%, 8.1% |  |
| Chitipa | 60 (8.7) | 6.8%, 11% | 72 (15) | 12%, 18% |  |
| Kasungu | 71 (10) | 8.2%, 13% | 37 (7.6) | 5.5%, 10% |  |
| Lilongwe | 55 (8.0) | 6.1%, 10% | 41 (8.4) | 6.2%, 11% |  |
| Mzimba South | 79 (11) | 9.3%, 14% | 41 (8.4) | 6.2%, 11% |  |
| Phalombe | 65 (9.5) | 7.4%, 12% | 43 (8.8) | 6.5%, 12% |  |
| Salima | 67 (9.8) | 7.7%, 12% | 66 (14) | 11%, 17% |  |
| Thyolo | 74 (11) | 8.6%, 13% | 58 (12) | 9.2%, 15% |  |
| *1*n (%) | | | | | |
| *2*CI = Confidence Interval | | | | | |
| *3*Pearson's Chi-squared test | | | | | |

## Table 23.

|  | **Digital health Surveillance work well in community** |  | **Digital health Surveillance work well in community** |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variable** | **No** N = 97*1* | **95% CI***2* | **Yes** N = 1,077*1* | **95% CI***2* | **p-value***3* |
| Gender |  |  |  |  | 0.019 |
| Female | 74 (76) | 66%, 84% | 694 (64) | 61%, 67% |  |
| Male | 23 (24) | 16%, 34% | 383 (36) | 33%, 39% |  |
| Age group |  |  |  |  | >0.9 |
| 18-39 | 62 (64) | 53%, 73% | 686 (64) | 61%, 67% |  |
| 40-59 | 26 (27) | 19%, 37% | 289 (27) | 24%, 30% |  |
| 60+ | 9 (9.3) | 4.6%, 17% | 102 (9.5) | 7.8%, 11% |  |
| Education level |  |  |  |  | 0.011 |
| No Formal Education | 13 (13) | 7.6%, 22% | 62 (5.8) | 4.5%, 7.4% |  |
| Primary | 42 (43) | 33%, 54% | 512 (48) | 45%, 51% |  |
| Secondary | 31 (32) | 23%, 42% | 421 (39) | 36%, 42% |  |
| Tertiary | 11 (11) | 6.1%, 20% | 82 (7.6) | 6.1%, 9.4% |  |
| Location |  |  |  |  | 0.9 |
| Rural | 54 (56) | 45%, 66% | 607 (56) | 53%, 59% |  |
| Urban | 43 (44) | 34%, 55% | 470 (44) | 41%, 47% |  |
| District |  |  |  |  | 0.001 |
| Balaka | 3 (3.1) | 0.80%, 9.4% | 116 (11) | 9.0%, 13% |  |
| Blantyre | 14 (14) | 8.4%, 23% | 118 (11) | 9.2%, 13% |  |
| Chikwawa | 13 (13) | 7.6%, 22% | 81 (7.5) | 6.1%, 9.3% |  |
| Chitipa | 5 (5.2) | 1.9%, 12% | 127 (12) | 10%, 14% |  |
| Kasungu | 8 (8.2) | 3.9%, 16% | 100 (9.3) | 7.7%, 11% |  |
| Lilongwe | 8 (8.2) | 3.9%, 16% | 88 (8.2) | 6.6%, 10% |  |
| Mzimba South | 7 (7.2) | 3.2%, 15% | 113 (10) | 8.8%, 13% |  |
| Phalombe | 7 (7.2) | 3.2%, 15% | 101 (9.4) | 7.7%, 11% |  |
| Salima | 10 (10) | 5.3%, 19% | 123 (11) | 9.6%, 14% |  |
| Thyolo | 22 (23) | 15%, 33% | 110 (10) | 8.5%, 12% |  |
| *1*n (%) | | | | | |
| *2*CI = Confidence Interval | | | | | |
| *3*Pearson's Chi-squared test | | | | | |

## Table 26.

| **Variable** | **No** N = 966*1* | **95% CI***2* | **Yes** N = 208*1* | **95% CI***2* | **p-value***3* |
| --- | --- | --- | --- | --- | --- |
| Gender |  |  |  |  | 0.006 |
| Female | 649 (67) | 64%, 70% | 119 (57) | 50%, 64% |  |
| Male | 317 (33) | 30%, 36% | 89 (43) | 36%, 50% |  |
| Age group |  |  |  |  | 0.065 |
| 18-39 | 625 (65) | 62%, 68% | 123 (59) | 52%, 66% |  |
| 40-59 | 246 (25) | 23%, 28% | 69 (33) | 27%, 40% |  |
| 60+ | 95 (9.8) | 8.1%, 12% | 16 (7.7) | 4.6%, 12% |  |
| Education level |  |  |  |  | 0.3 |
| No Formal Education | 65 (6.7) | 5.3%, 8.5% | 10 (4.8) | 2.5%, 8.9% |  |
| Primary | 459 (48) | 44%, 51% | 95 (46) | 39%, 53% |  |
| Secondary | 371 (38) | 35%, 42% | 81 (39) | 32%, 46% |  |
| Tertiary | 71 (7.3) | 5.8%, 9.2% | 22 (11) | 6.9%, 16% |  |
| Location |  |  |  |  | 0.009 |
| Rural | 527 (55) | 51%, 58% | 134 (64) | 57%, 71% |  |
| Urban | 439 (45) | 42%, 49% | 74 (36) | 29%, 43% |  |
| District |  |  |  |  | <0.001 |
| Balaka | 84 (8.7) | 7.0%, 11% | 35 (17) | 12%, 23% |  |
| Blantyre | 121 (13) | 11%, 15% | 11 (5.3) | 2.8%, 9.5% |  |
| Chikwawa | 86 (8.9) | 7.2%, 11% | 8 (3.8) | 1.8%, 7.7% |  |
| Chitipa | 103 (11) | 8.8%, 13% | 29 (14) | 9.7%, 20% |  |
| Kasungu | 87 (9.0) | 7.3%, 11% | 21 (10) | 6.5%, 15% |  |
| Lilongwe | 80 (8.3) | 6.7%, 10% | 16 (7.7) | 4.6%, 12% |  |
| Mzimba South | 109 (11) | 9.4%, 13% | 11 (5.3) | 2.8%, 9.5% |  |
| Phalombe | 80 (8.3) | 6.7%, 10% | 28 (13) | 9.3%, 19% |  |
| Salima | 102 (11) | 8.7%, 13% | 31 (15) | 10%, 21% |  |
| Thyolo | 114 (12) | 9.9%, 14% | 18 (8.7) | 5.4%, 14% |  |
| *1*n (%) | | | | | |
| *2*CI = Confidence Interval | | | | | |
| *3*Pearson's Chi-squared test | | | | | |

## Table 24.

The following errors were returned during `modify\_fmt\_fun()`:  
✖ For variable `edu` (`frequency\_to\_access`) and "estimate", "p.value",  
 "conf.low", and "conf.high" statistics: FEXACT error 6. LDKEY=615 is too  
 small for this problem, (ii := key2[itp=228] = 1637475855, ldstp=18450) Try  
 increasing the size of the workspace and possibly 'mult'

| **Variable** | **Monthly** N = 80*1* | **95% CI***2* | **Never** N = 691*1* | **95% CI***2* | **Rarely** N = 337*1* | **95% CI***2* | **Weekly** N = 66*1* | **95% CI***2* | **p-value***3* |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Gender |  |  |  |  |  |  |  |  | 0.003 |
| Female | 40 (50) | 39%, 61% | 476 (69) | 65%, 72% | 212 (63) | 57%, 68% | 40 (61) | 48%, 72% |  |
| Male | 40 (50) | 39%, 61% | 215 (31) | 28%, 35% | 125 (37) | 32%, 43% | 26 (39) | 28%, 52% |  |
| Age group |  |  |  |  |  |  |  |  | 0.10 |
| 18-39 | 48 (60) | 48%, 71% | 434 (63) | 59%, 66% | 218 (65) | 59%, 70% | 48 (73) | 60%, 83% |  |
| 40-59 | 29 (36) | 26%, 48% | 181 (26) | 23%, 30% | 90 (27) | 22%, 32% | 15 (23) | 14%, 35% |  |
| 60+ | 3 (3.8) | 0.97%, 11% | 76 (11) | 8.8%, 14% | 29 (8.6) | 5.9%, 12% | 3 (4.5) | 1.2%, 14% |  |
| Education level |  |  |  |  |  |  |  |  |  |
| No Formal Education | 6 (7.5) | 3.1%, 16% | 54 (7.8) | 6.0%, 10% | 12 (3.6) | 1.9%, 6.3% | 3 (4.5) | 1.2%, 14% |  |
| Primary | 35 (44) | 33%, 55% | 340 (49) | 45%, 53% | 155 (46) | 41%, 51% | 24 (36) | 25%, 49% |  |
| Secondary | 30 (38) | 27%, 49% | 255 (37) | 33%, 41% | 140 (42) | 36%, 47% | 27 (41) | 29%, 54% |  |
| Tertiary | 9 (11) | 5.6%, 21% | 42 (6.1) | 4.5%, 8.2% | 30 (8.9) | 6.2%, 13% | 12 (18) | 10%, 30% |  |
| Location |  |  |  |  |  |  |  |  | 0.045 |
| Rural | 55 (69) | 57%, 78% | 371 (54) | 50%, 57% | 199 (59) | 54%, 64% | 36 (55) | 42%, 67% |  |
| Urban | 25 (31) | 22%, 43% | 320 (46) | 43%, 50% | 138 (41) | 36%, 46% | 30 (45) | 33%, 58% |  |
| District |  |  |  |  |  |  |  |  | <0.001 |
| Balaka | 9 (11) | 5.6%, 21% | 78 (11) | 9.1%, 14% | 18 (5.3) | 3.3%, 8.5% | 14 (21) | 12%, 33% |  |
| Blantyre | 3 (3.8) | 0.97%, 11% | 84 (12) | 9.9%, 15% | 38 (11) | 8.2%, 15% | 7 (11) | 4.7%, 21% |  |
| Chikwawa | 13 (16) | 9.3%, 27% | 60 (8.7) | 6.7%, 11% | 16 (4.7) | 2.8%, 7.8% | 5 (7.6) | 2.8%, 18% |  |
| Chitipa | 12 (15) | 8.3%, 25% | 81 (12) | 9.5%, 14% | 27 (8.0) | 5.4%, 12% | 12 (18) | 10%, 30% |  |
| Kasungu | 7 (8.8) | 3.9%, 18% | 57 (8.2) | 6.4%, 11% | 37 (11) | 7.9%, 15% | 7 (11) | 4.7%, 21% |  |
| Lilongwe | 11 (14) | 7.4%, 24% | 48 (6.9) | 5.2%, 9.2% | 35 (10) | 7.4%, 14% | 2 (3.0) | 0.53%, 11% |  |
| Mzimba South | 3 (3.8) | 0.97%, 11% | 62 (9.0) | 7.0%, 11% | 48 (14) | 11%, 19% | 7 (11) | 4.7%, 21% |  |
| Phalombe | 8 (10) | 4.7%, 19% | 59 (8.5) | 6.6%, 11% | 37 (11) | 7.9%, 15% | 4 (6.1) | 2.0%, 16% |  |
| Salima | 10 (13) | 6.5%, 22% | 67 (9.7) | 7.6%, 12% | 52 (15) | 12%, 20% | 4 (6.1) | 2.0%, 16% |  |
| Thyolo | 4 (5.0) | 1.6%, 13% | 95 (14) | 11%, 17% | 29 (8.6) | 5.9%, 12% | 4 (6.1) | 2.0%, 16% |  |
| *1*n (%) | | | | | | | | | |
| *2*CI = Confidence Interval | | | | | | | | | |
| *3*Pearson's Chi-squared test | | | | | | | | | |

## Table 25.

The following errors were returned during `add\_p()`:  
✖ For variable `age\_group2` (`motivation`) and "estimate", "p.value",  
 "conf.low", and "conf.high" statistics: FEXACT error 6. LDKEY=609 is too  
 small for this problem, (ii := key2[itp=279] = 124219217, ldstp=18270) Try  
 increasing the size of the workspace and possibly 'mult'  
✖ For variable `district` (`motivation`) and "estimate", "p.value", "conf.low",  
 and "conf.high" statistics: FEXACT error 5. The hash table key cannot be  
 computed because the largest key is larger than the largest representable  
 int. The algorithm cannot proceed. Reduce the workspace, consider using  
 'simulate.p.value=TRUE' or another algorithm.  
✖ For variable `edu` (`motivation`) and "estimate", "p.value", "conf.low", and  
 "conf.high" statistics: FEXACT error 501. The hash table key cannot be  
 computed because the largest key is larger than the largest representable  
 int. The algorithm cannot proceed. Reduce the workspace, consider using  
 'simulate.p.value=TRUE' or another algorithm.

| **Characteristic** | **Easy system** N = 383*1* | **95% CI***2* | **Helping community** N = 265*1* | **95% CI***2* | **Incentives** N = 58*1* | **95% CI***2* | **Knowing results** N = 550*1* | **95% CI***2* | **Other** N = 37*1* | **95% CI***2* | **Receiving advice** N = 541*1* | **95% CI***2* | **Trust in MoH** N = 216*1* | **95% CI***2* | **p-value***3* |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sex |  |  |  |  |  |  |  |  |  |  |  |  |  |  | >0.9 |
| Female | 237 (62%) | 57%, 67% | 171 (65%) | 58%, 70% | 36 (62%) | 48%, 74% | 351 (64%) | 60%, 68% | 23 (62%) | 45%, 77% | 342 (63%) | 59%, 67% | 139 (64%) | 58%, 71% |  |
| Male | 146 (38%) | 33%, 43% | 94 (35%) | 30%, 42% | 22 (38%) | 26%, 52% | 199 (36%) | 32%, 40% | 14 (38%) | 23%, 55% | 199 (37%) | 33%, 41% | 77 (36%) | 29%, 42% |  |
| Age Group |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18-39 | 257 (67%) | 62%, 72% | 171 (65%) | 58%, 70% | 39 (67%) | 54%, 79% | 363 (66%) | 62%, 70% | 19 (51%) | 35%, 68% | 330 (61%) | 57%, 65% | 142 (66%) | 59%, 72% |  |
| 40-59 | 93 (24%) | 20%, 29% | 74 (28%) | 23%, 34% | 16 (28%) | 17%, 41% | 140 (25%) | 22%, 29% | 11 (30%) | 16%, 47% | 159 (29%) | 26%, 33% | 65 (30%) | 24%, 37% |  |
| 60+ | 33 (8.6%) | 6.1%, 12% | 20 (7.5%) | 4.8%, 12% | 3 (5.2%) | 1.3%, 15% | 47 (8.5%) | 6.4%, 11% | 7 (19%) | 8.6%, 36% | 52 (9.6%) | 7.3%, 12% | 9 (4.2%) | 2.0%, 8.0% |  |
| Education |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No Formal Education | 20 (5.2%) | 3.3%, 8.1% | 18 (6.8%) | 4.2%, 11% | 3 (5.2%) | 1.3%, 15% | 25 (4.5%) | 3.0%, 6.7% | 5 (14%) | 5.1%, 30% | 37 (6.8%) | 4.9%, 9.4% | 5 (2.3%) | 0.86%, 5.6% |  |
| Primary | 148 (39%) | 34%, 44% | 125 (47%) | 41%, 53% | 29 (50%) | 38%, 62% | 258 (47%) | 43%, 51% | 18 (49%) | 32%, 65% | 254 (47%) | 43%, 51% | 95 (44%) | 37%, 51% |  |
| Secondary | 163 (43%) | 38%, 48% | 94 (35%) | 30%, 42% | 22 (38%) | 26%, 52% | 223 (41%) | 36%, 45% | 11 (30%) | 16%, 47% | 202 (37%) | 33%, 42% | 85 (39%) | 33%, 46% |  |
| Tertiary | 52 (14%) | 10%, 18% | 28 (11%) | 7.3%, 15% | 4 (6.9%) | 2.2%, 18% | 44 (8.0%) | 5.9%, 11% | 3 (8.1%) | 2.1%, 23% | 48 (8.9%) | 6.7%, 12% | 31 (14%) | 10%, 20% |  |
| Location |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.8 |
| Rural | 216 (56%) | 51%, 61% | 155 (58%) | 52%, 64% | 38 (66%) | 52%, 77% | 303 (55%) | 51%, 59% | 21 (57%) | 40%, 72% | 309 (57%) | 53%, 61% | 118 (55%) | 48%, 61% |  |
| Urban | 167 (44%) | 39%, 49% | 110 (42%) | 36%, 48% | 20 (34%) | 23%, 48% | 247 (45%) | 41%, 49% | 16 (43%) | 28%, 60% | 232 (43%) | 39%, 47% | 98 (45%) | 39%, 52% |  |
| District |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Balaka | 34 (8.9%) | 6.3%, 12% | 46 (17%) | 13%, 23% | 7 (12%) | 5.4%, 24% | 52 (9.5%) | 7.2%, 12% | 0 (0%) | 0.00%, 12% | 57 (11%) | 8.1%, 14% | 20 (9.3%) | 5.9%, 14% |  |
| Blantyre | 55 (14%) | 11%, 18% | 14 (5.3%) | 3.0%, 8.9% | 0 (0%) | 0.00%, 7.7% | 64 (12%) | 9.1%, 15% | 7 (19%) | 8.6%, 36% | 36 (6.7%) | 4.8%, 9.2% | 11 (5.1%) | 2.7%, 9.2% |  |
| Chikwawa | 46 (12%) | 9.0%, 16% | 21 (7.9%) | 5.1%, 12% | 1 (1.7%) | 0.09%, 10% | 53 (9.6%) | 7.4%, 12% | 9 (24%) | 12%, 42% | 52 (9.6%) | 7.3%, 12% | 17 (7.9%) | 4.8%, 13% |  |
| Chitipa | 36 (9.4%) | 6.8%, 13% | 38 (14%) | 10%, 19% | 2 (3.4%) | 0.60%, 13% | 52 (9.5%) | 7.2%, 12% | 0 (0%) | 0.00%, 12% | 68 (13%) | 10%, 16% | 50 (23%) | 18%, 29% |  |
| Kasungu | 41 (11%) | 7.9%, 14% | 15 (5.7%) | 3.3%, 9.4% | 2 (3.4%) | 0.60%, 13% | 60 (11%) | 8.5%, 14% | 2 (5.4%) | 0.94%, 20% | 54 (10.0%) | 7.6%, 13% | 25 (12%) | 7.8%, 17% |  |
| Lilongwe | 31 (8.1%) | 5.7%, 11% | 33 (12%) | 8.8%, 17% | 9 (16%) | 7.8%, 28% | 39 (7.1%) | 5.2%, 9.6% | 1 (2.7%) | 0.14%, 16% | 51 (9.4%) | 7.2%, 12% | 6 (2.8%) | 1.1%, 6.2% |  |
| Mzimba South | 17 (4.4%) | 2.7%, 7.1% | 30 (11%) | 7.9%, 16% | 2 (3.4%) | 0.60%, 13% | 50 (9.1%) | 6.9%, 12% | 1 (2.7%) | 0.14%, 16% | 62 (11%) | 9.0%, 15% | 27 (13%) | 8.5%, 18% |  |
| Phalombe | 49 (13%) | 9.7%, 17% | 21 (7.9%) | 5.1%, 12% | 16 (28%) | 17%, 41% | 36 (6.5%) | 4.7%, 9.0% | 3 (8.1%) | 2.1%, 23% | 46 (8.5%) | 6.4%, 11% | 5 (2.3%) | 0.86%, 5.6% |  |
| Salima | 24 (6.3%) | 4.1%, 9.3% | 35 (13%) | 9.5%, 18% | 4 (6.9%) | 2.2%, 18% | 98 (18%) | 15%, 21% | 8 (22%) | 10%, 39% | 74 (14%) | 11%, 17% | 29 (13%) | 9.3%, 19% |  |
| Thyolo | 50 (13%) | 9.9%, 17% | 12 (4.5%) | 2.5%, 8.0% | 15 (26%) | 16%, 39% | 46 (8.4%) | 6.2%, 11% | 6 (16%) | 6.8%, 33% | 41 (7.6%) | 5.6%, 10% | 26 (12%) | 8.2%, 17% |  |
| *1*n (%) | | | | | | | | | | | | | | | |
| *2*CI = Confidence Interval | | | | | | | | | | | | | | | |
| *3*Pearson's Chi-squared test | | | | | | | | | | | | | | | |

## Table 26.

| **Characteristic** | **No feedback** N = 320*1* | **95% CI***2* | **Not confident with phones** N = 225*1* | **95% CI***2* | **Other** N = 208*1* | **95% CI***2* | **Poor network** N = 535*1* | **95% CI***2* | **Privacy concerns** N = 208*1* | **95% CI***2* | **p-value***3* |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sex |  |  |  |  |  |  |  |  |  |  | 0.9 |
| Female | 207 (65%) | 59%, 70% | 144 (64%) | 57%, 70% | 134 (64%) | 57%, 71% | 345 (64%) | 60%, 69% | 126 (61%) | 54%, 67% |  |
| Male | 113 (35%) | 30%, 41% | 81 (36%) | 30%, 43% | 74 (36%) | 29%, 43% | 190 (36%) | 31%, 40% | 82 (39%) | 33%, 46% |  |
| Age Group |  |  |  |  |  |  |  |  |  |  | 0.035 |
| 18-39 | 187 (58%) | 53%, 64% | 148 (66%) | 59%, 72% | 118 (57%) | 50%, 64% | 357 (67%) | 63%, 71% | 136 (65%) | 58%, 72% |  |
| 40-59 | 98 (31%) | 26%, 36% | 55 (24%) | 19%, 31% | 63 (30%) | 24%, 37% | 144 (27%) | 23%, 31% | 57 (27%) | 22%, 34% |  |
| 60+ | 35 (11%) | 7.8%, 15% | 22 (9.8%) | 6.4%, 15% | 27 (13%) | 8.9%, 18% | 34 (6.4%) | 4.5%, 8.9% | 15 (7.2%) | 4.2%, 12% |  |
| Education |  |  |  |  |  |  |  |  |  |  | 0.019 |
| No Formal Education | 17 (5.3%) | 3.2%, 8.5% | 18 (8.0%) | 4.9%, 13% | 20 (9.6%) | 6.1%, 15% | 25 (4.7%) | 3.1%, 6.9% | 8 (3.8%) | 1.8%, 7.7% |  |
| Primary | 159 (50%) | 44%, 55% | 119 (53%) | 46%, 60% | 100 (48%) | 41%, 55% | 231 (43%) | 39%, 48% | 97 (47%) | 40%, 54% |  |
| Secondary | 122 (38%) | 33%, 44% | 77 (34%) | 28%, 41% | 73 (35%) | 29%, 42% | 227 (42%) | 38%, 47% | 81 (39%) | 32%, 46% |  |
| Tertiary | 22 (6.9%) | 4.5%, 10% | 11 (4.9%) | 2.6%, 8.8% | 15 (7.2%) | 4.2%, 12% | 52 (9.7%) | 7.4%, 13% | 22 (11%) | 6.9%, 16% |  |
| Location |  |  |  |  |  |  |  |  |  |  | 0.002 |
| Rural | 168 (53%) | 47%, 58% | 156 (69%) | 63%, 75% | 116 (56%) | 49%, 63% | 305 (57%) | 53%, 61% | 126 (61%) | 54%, 67% |  |
| Urban | 152 (48%) | 42%, 53% | 69 (31%) | 25%, 37% | 92 (44%) | 37%, 51% | 230 (43%) | 39%, 47% | 82 (39%) | 33%, 46% |  |
| District |  |  |  |  |  |  |  |  |  |  | <0.001 |
| Balaka | 37 (12%) | 8.4%, 16% | 29 (13%) | 8.9%, 18% | 6 (2.9%) | 1.2%, 6.5% | 51 (9.5%) | 7.2%, 12% | 29 (14%) | 9.7%, 20% |  |
| Blantyre | 27 (8.4%) | 5.7%, 12% | 10 (4.4%) | 2.3%, 8.3% | 45 (22%) | 16%, 28% | 45 (8.4%) | 6.3%, 11% | 10 (4.8%) | 2.5%, 8.9% |  |
| Chikwawa | 48 (15%) | 11%, 19% | 5 (2.2%) | 0.82%, 5.4% | 31 (15%) | 10%, 21% | 28 (5.2%) | 3.6%, 7.6% | 18 (8.7%) | 5.4%, 14% |  |
| Chitipa | 19 (5.9%) | 3.7%, 9.3% | 25 (11%) | 7.5%, 16% | 10 (4.8%) | 2.5%, 8.9% | 77 (14%) | 12%, 18% | 30 (14%) | 10%, 20% |  |
| Kasungu | 25 (7.8%) | 5.2%, 11% | 12 (5.3%) | 2.9%, 9.4% | 19 (9.1%) | 5.7%, 14% | 60 (11%) | 8.7%, 14% | 23 (11%) | 7.3%, 16% |  |
| Lilongwe | 27 (8.4%) | 5.7%, 12% | 27 (12%) | 8.2%, 17% | 9 (4.3%) | 2.1%, 8.3% | 47 (8.8%) | 6.6%, 12% | 17 (8.2%) | 5.0%, 13% |  |
| Mzimba South | 51 (16%) | 12%, 21% | 13 (5.8%) | 3.2%, 9.9% | 18 (8.7%) | 5.4%, 14% | 65 (12%) | 9.6%, 15% | 13 (6.3%) | 3.5%, 11% |  |
| Phalombe | 23 (7.2%) | 4.7%, 11% | 41 (18%) | 14%, 24% | 23 (11%) | 7.3%, 16% | 42 (7.9%) | 5.8%, 11% | 16 (7.7%) | 4.6%, 12% |  |
| Salima | 37 (12%) | 8.4%, 16% | 26 (12%) | 7.8%, 17% | 9 (4.3%) | 2.1%, 8.3% | 76 (14%) | 11%, 18% | 33 (16%) | 11%, 22% |  |
| Thyolo | 26 (8.1%) | 5.5%, 12% | 37 (16%) | 12%, 22% | 38 (18%) | 13%, 24% | 44 (8.2%) | 6.1%, 11% | 19 (9.1%) | 5.7%, 14% |  |
| *1*n (%) | | | | | | | | | | | |
| *2*CI = Confidence Interval | | | | | | | | | | | |
| *3*Pearson's Chi-squared test | | | | | | | | | | | |