17. I would be willing to participate in digital disease surveillance programs.

| **Variable Name** | **Value** | **Strongly disagree** | **Disagree** | **Neutral** | **Agree** | **Strongly Agree** |
| --- | --- | --- | --- | --- | --- | --- |
| Gender |  |  |  |  |  |  |
|  | Female | 16 (64.00%) |  | 42 (68.85%) | 499 (66.09%) | 177 (60.62%) |
|  | Male | 9 (36.00%) | 7 (17.07%) | 19 (31.15%) | 256 (33.91%) | 115 (39.38%) |
| Age Group |  |  |  |  |  |  |
|  | 18-24 | 8 (32.00%) | 9 (21.95%) | 11 (18.03%) | 167 (22.12%) | 46 (15.75%) |
|  | 25-29 | 6 (24.00%) | 7 (17.07%) | 12 (19.67%) | 133 (17.62%) | 43 (14.73%) |
|  | 30-34 | 2 (8.00%) | 4 (9.76%) | 13 (21.31%) | 100 (13.25%) | 34 (11.64%) |
|  | 35-39 | 0 (0.00%) | 5 (12.20%) | 7 (11.48%) | 92 (12.19%) | 49 (16.78%) |
|  | 40-44 | 2 (8.00%) | 5 (12.20%) | 5 (8.20%) | 79 (10.46%) | 30 (10.27%) |
|  | 45-49 | 2 (8.00%) | 2 (4.88%) | 3 (4.92%) | 52 (6.89%) | 33 (11.30%) |
|  | 50-54 | 2 (8.00%) | 2 (4.88%) | 1 (1.64%) | 29 (3.84%) | 21 (7.19%) |
|  | 55-59 | 1 (4.00%) | 1 (2.44%) | 0 (0.00%) | 36 (4.77%) | 9 (3.08%) |
|  | 60-64 | 1 (4.00%) | 3 (7.32%) | 5 (8.20%) | 27 (3.58%) | 12 (4.11%) |
|  | 65-69 | 0 (0.00%) | 1 (2.44%) | 2 (3.28%) | 13 (1.72%) | 7 (2.40%) |
|  | 70-74 | 0 (0.00%) | 0 (0.00%) | 2 (3.28%) | 14 (1.85%) | 5 (1.71%) |
|  | 75-79 | 0 (0.00%) | 1 (2.44%) | 0 (0.00%) | 9 (1.19%) | 3 (1.03%) |
|  | 80-84 | 0 (0.00%) | 1 (2.44%) | 0 (0.00%) | 3 (0.40%) | 0 (0.00%) |
|  | 85 above | 1 (4.00%) | 0 (0.00%) | 0 (0.00%) | 1 (0.13%) | 0 (0.00%) |
| Education |  |  |  |  |  |  |
|  | No formal education | 2 (8.00%) | 7 (17.07%) | 6 (9.84%) | 42 (5.56%) | 18 (6.16%) |
|  | Primary | 11 (44.00%) | 22 (53.66%) | 35 (57.38%) | 349 (46.23%) | 137 (46.92%) |
|  | Secondary | 12 (48.00%) | 10 (24.39%) | 17 (27.87%) | 310 (41.06%) | 103 (35.27%) |
|  | Tertiary | 0 (0.00%) | 2 (4.88%) | 3 (4.92%) | 54 (7.15%) | 34 (11.64%) |
| Location |  |  |  |  |  |  |
|  | Rural | 16 (64.00%) | 23 (56.10%) | 39 (63.93%) | 431 (57.09%) | 152 (52.05%) |
|  | Urban | 9 (36.00%) | 18 (43.90%) | 22 (36.07%) | 324 (42.91%) | 140 (47.95%) |
| District |  |  |  |  |  |  |
|  | Balaka | 1 (4.00%) | 4 (9.76%) | 9 (14.75%) | 75 (9.93%) | 30 (10.27%) |
|  | Blantyre | 4 (16.00%) | 4 (9.76%) | 2 (3.28%) | 91 (12.05%) | 31 (10.62%) |
|  | Chikwawa | 1 (4.00%) | 2 (4.88%) | 5 (8.20%) | 53 (7.02%) | 33 (11.30%) |
|  | Chitipa | 3 (12.00%) | 2 (4.88%) | 7 (11.48%) | 75 (9.93%) | 45 (15.41%) |
|  | Kasungu | 1 (4.00%) | 3 (7.32%) | 1 (1.64%) | 74 (9.80%) | 29 (9.93%) |
|  | Lilongwe | 0 (0.00%) | 3 (7.32%) | 3 (4.92%) | 79 (10.46%) | 11 (3.77%) |
|  | Mzimba South | 1 (4.00%) | 4 (9.76%) | 4 (6.56%) | 96 (12.72%) | 15 (5.14%) |
|  | Phalombe | 5 (20.00%) | 6 (14.63%) | 8 (13.11%) | 55 (7.28%) | 34 (11.64%) |
|  | Salima | 2 (8.00%) | 6 (14.63%) | 13 (21.31%) | 95 (12.58%) | 17 (5.82%) |
|  | Thyolo | 7 (28.00%) | 7 (17.07%) | 9 (14.75%) | 62 (8.21%) | 47 (16.10%) |

18. I trust that digital systems can help detect disease outbreaks early.

| **Variable Name** | **Value** | **Agree** | **Disagree** | **Neutral** | **Strongly Agree** | **Strongly disagree** |
| --- | --- | --- | --- | --- | --- | --- |
| Gender |  |  |  |  |  |  |
|  | Female | 435 (66.82%) | 35 (79.55%) | 49 (76.56%) | 234 (61.10%) | 15 (46.88%) |
|  | Male | 216 (33.18%) | 9 (20.45%) | 15 (23.44%) | 149 (38.90%) | 17 (53.13%) |
| Age Group |  |  |  |  |  |  |
|  | 18-24 | 132 (20.28%) | 14 (31.82%) | 14 (21.88%) | 74 (19.32%) | 7 (21.88%) |
|  | 25-29 | 117 (17.97%) | 3 (6.82%) | 14 (21.88%) | 62 (16.19%) | 5 (15.63%) |
|  | 30-34 | 85 (13.06%) | 10 (22.73%) | 11 (17.19%) | 39 (10.18%) | 8 (25.00%) |
|  | 35-39 | 76 (11.67%) | 6 (13.64%) | 6 (9.38%) | 63 (16.45%) | 2 (6.25%) |
|  | 40-44 | 71 (10.91%) | 2 (4.55%) | 4 (6.25%) | 40 (10.44%) | 4 (12.50%) |
|  | 45-49 | 49 (7.53%) | 5 (11.36%) | 3 (4.69%) | 33 (8.62%) | 2 (6.25%) |
|  | 50-54 | 29 (4.45%) | 2 (4.55%) | 2 (3.13%) | 21 (5.48%) | 1 (3.13%) |
|  | 55-59 | 24 (3.69%) | 1 (2.27%) | 3 (4.69%) | 19 (4.96%) | 0 (0.00%) |
|  | 60-64 | 25 (3.84%) | 0 (0.00%) | 4 (6.25%) | 16 (4.18%) | 3 (9.38%) |
|  | 65-69 | 16 (2.46%) | 0 (0.00%) | 0 (0.00%) | 7 (1.83%) | 0 (0.00%) |
|  | 70-74 | 15 (2.30%) | 0 (0.00%) | 1 (1.56%) | 5 (1.31%) | 0 (0.00%) |
|  | 75-79 | 8 (1.23%) | 1 (2.27%) | 1 (1.56%) | 3 (0.78%) | 0 (0.00%) |
|  | 80-84 | 2 (0.31%) | 0 (0.00%) | 1 (1.56%) | 1 (0.26%) | 0 (0.00%) |
|  | 85 above | 2 (0.31%) | 0 (0.00%) | 0 (0.00%) | 0 (0.00%) | 0 (0.00%) |
| Education |  |  |  |  |  |  |
|  | No formal education | 40 (6.14%) | 3 (6.82%) | 4 (6.25%) | 25 (6.53%) | 3 (9.38%) |
|  | Primary | 308 (47.31%) | 23 (52.27%) | 37 (57.81%) | 176 (45.95%) | 10 (31.25%) |
|  | Secondary | 256 (39.32%) | 16 (36.36%) | 16 (25.00%) | 147 (38.38%) | 17 (53.13%) |
|  | Tertiary | 47 (7.22%) | 2 (4.55%) | 7 (10.94%) | 35 (9.14%) | 2 (6.25%) |
| Location |  |  |  |  |  |  |
|  | Rural | 373 (57.30%) | 29 (65.91%) | 34 (53.13%) | 202 (52.74%) | 23 (71.88%) |
|  | Urban | 278 (42.70%) | 15 (34.09%) | 30 (46.88%) | 181 (47.26%) | 9 (28.13%) |
| District |  |  |  |  |  |  |
|  | Balaka | 58 (8.91%) | 2 (4.55%) | 4 (6.25%) | 53 (13.84%) | 2 (6.25%) |
|  | Blantyre | 89 (13.67%) | 2 (4.55%) | 5 (7.81%) | 33 (8.62%) | 3 (9.38%) |
|  | Chikwawa | 46 (7.07%) | 2 (4.55%) | 4 (6.25%) | 42 (10.97%) | 0 (0.00%) |
|  | Chitipa | 72 (11.06%) | 2 (4.55%) | 9 (14.06%) | 48 (12.53%) | 1 (3.13%) |
|  | Kasungu | 70 (10.75%) | 3 (6.82%) | 5 (7.81%) | 30 (7.83%) | 0 (0.00%) |
|  | Lilongwe | 61 (9.37%) | 5 (11.36%) | 3 (4.69%) | 26 (6.79%) | 1 (3.13%) |
|  | Mzimba South | 87 (13.36%) | 7 (15.91%) | 3 (4.69%) | 18 (4.70%) | 5 (15.63%) |
|  | Phalombe | 50 (7.68%) | 7 (15.91%) | 5 (7.81%) | 40 (10.44%) | 6 (18.75%) |
|  | Salima | 81 (12.44%) | 6 (13.64%) | 13 (20.31%) | 31 (8.09%) | 2 (6.25%) |
|  | Thyolo | 37 (5.68%) | 8 (18.18%) | 13 (20.31%) | 62 (16.19%) | 12 (37.50%) |

19. I think people in my community would accept digital surveillance tools if properly explained.

| **Variable Name** | **Value** | **Strongly disagree** | **Disagree** | **Neutral** | **Agree** | **Strongly Agree** |
| --- | --- | --- | --- | --- | --- | --- |
| Gender |  |  |  |  |  |  |
|  | Female | 15 (50.00%) | 21 (67.74%) | 146 (77.25%) | 409 (64.31%) | 177 (61.46%) |
|  | Male | 15 (50.00%) | 10 (32.26%) | 43 (22.75%) | 227 (35.69%) | 111 (38.54%) |
| Age Group |  |  |  |  |  |  |
|  | 18-24 | 5 (16.67%) | 7 (22.58%) | 39 (20.63%) | 138 (21.70%) | 52 (18.06%) |
|  | 25-29 | 4 (13.33%) | 6 (19.35%) | 39 (20.63%) | 111 (17.45%) | 41 (14.24%) |
|  | 30-34 | 8 (26.67%) | 3 (9.68%) | 22 (11.64%) | 75 (11.79%) | 45 (15.63%) |
|  | 35-39 | 3 (10.00%) | 1 (3.23%) | 28 (14.81%) | 79 (12.42%) | 42 (14.58%) |
|  | 40-44 | 4 (13.33%) | 2 (6.45%) | 12 (6.35%) | 72 (11.32%) | 31 (10.76%) |
|  | 45-49 | 2 (6.67%) | 5 (16.13%) | 13 (6.88%) | 50 (7.86%) | 22 (7.64%) |
|  | 50-54 | 1 (3.33%) | 4 (12.90%) | 12 (6.35%) | 24 (3.77%) | 14 (4.86%) |
|  | 55-59 | 1 (3.33%) | 3 (9.68%) | 9 (4.76%) | 23 (3.62%) | 11 (3.82%) |
|  | 60-64 | 2 (6.67%) | 0 (0.00%) | 6 (3.17%) | 28 (4.40%) | 12 (4.17%) |
|  | 65-69 | 0 (0.00%) | 0 (0.00%) | 3 (1.59%) | 13 (2.04%) | 7 (2.43%) |
|  | 70-74 | 0 (0.00%) | 0 (0.00%) | 1 (0.53%) | 14 (2.20%) | 6 (2.08%) |
|  | 75-79 | 0 (0.00%) | 0 (0.00%) | 3 (1.59%) | 6 (0.94%) | 4 (1.39%) |
|  | 80-84 | 0 (0.00%) | 0 (0.00%) | 2 (1.06%) | 1 (0.16%) | 1 (0.35%) |
|  | 85 above | 0 (0.00%) | 0 (0.00%) | 0 (0.00%) | 2 (0.31%) | 0 (0.00%) |
| Education |  |  |  |  |  |  |
|  | No formal education | 3 (10.00%) | 3 (9.68%) | 16 (8.47%) | 32 (5.03%) | 21 (7.29%) |
|  | Primary | 15 (50.00%) | 16 (51.61%) | 85 (44.97%) | 314 (49.37%) | 124 (43.06%) |
|  | Secondary | 12 (40.00%) | 12 (38.71%) | 69 (36.51%) | 245 (38.52%) | 114 (39.58%) |
|  | Tertiary | 0 (0.00%) | 0 (0.00%) | 19 (10.05%) | 45 (7.08%) | 29 (10.07%) |
| Location |  |  |  |  |  |  |
|  | Rural | 25 (83.33%) | 20 (64.52%) | 91 (48.15%) | 370 (58.18%) | 155 (53.82%) |
|  | Urban | 5 (16.67%) | 11 (35.48%) | 98 (51.85%) | 266 (41.82%) | 133 (46.18%) |
| District |  |  |  |  |  |  |
|  | Balaka | 2 (6.67%) | 3 (9.68%) | 14 (7.41%) | 63 (9.91%) | 37 (12.85%) |
|  | Blantyre | 4 (13.33%) | 1 (3.23%) | 20 (10.58%) | 80 (12.58%) | 27 (9.38%) |
|  | Chikwawa | 0 (0.00%) | 1 (3.23%) | 26 (13.76%) | 40 (6.29%) | 27 (9.38%) |
|  | Chitipa | 2 (6.67%) | 2 (6.45%) | 28 (14.81%) | 58 (9.12%) | 42 (14.58%) |
|  | Kasungu | 0 (0.00%) | 5 (16.13%) | 20 (10.58%) | 61 (9.59%) | 22 (7.64%) |
|  | Lilongwe | 2 (6.67%) | 3 (9.68%) | 10 (5.29%) | 62 (9.75%) | 19 (6.60%) |
|  | Mzimba South | 1 (3.33%) | 1 (3.23%) | 14 (7.41%) | 83 (13.05%) | 21 (7.29%) |
|  | Phalombe | 6 (20.00%) | 1 (3.23%) | 13 (6.88%) | 58 (9.12%) | 30 (10.42%) |
|  | Salima | 1 (3.33%) | 3 (9.68%) | 24 (12.70%) | 86 (13.52%) | 19 (6.60%) |
|  | Thyolo | 12 (40.00%) | 11 (35.48%) | 20 (10.58%) | 45 (7.08%) | 44 (15.28%) |

21. Have you ever used a mobile phone or app to receive or report health information?

| **Variable Name** | **Value** | **No** | **Yes** |
| --- | --- | --- | --- |
| Gender |  |  |  |
|  | Female | 471 (68.56%) | 297 (60.99%) |
|  | Male | 216 (31.44%) | 190 (39.01%) |
| Age Group |  |  |  |
|  | 18-24 | 140 (20.38%) | 101 (20.74%) |
|  | 25-29 | 108 (15.72%) | 93 (19.10%) |
|  | 30-34 | 95 (13.83%) | 58 (11.91%) |
|  | 35-39 | 90 (13.10%) | 63 (12.94%) |
|  | 40-44 | 67 (9.75%) | 54 (11.09%) |
|  | 45-49 | 48 (6.99%) | 44 (9.03%) |
|  | 50-54 | 34 (4.95%) | 21 (4.31%) |
|  | 55-59 | 24 (3.49%) | 23 (4.72%) |
|  | 60-64 | 34 (4.95%) | 14 (2.87%) |
|  | 65-69 | 18 (2.62%) | 5 (1.03%) |
|  | 70-74 | 15 (2.18%) | 6 (1.23%) |
|  | 75-79 | 8 (1.16%) | 5 (1.03%) |
|  | 80-84 | 4 (0.58%) | 0 (0.00%) |
|  | 85 above | 2 (0.29%) | 0 (0.00%) |
| Education |  |  |  |
|  | No formal education | 58 (8.44%) | 17 (3.49%) |
|  | Primary | 342 (49.78%) | 212 (43.53%) |
|  | Secondary | 247 (35.95%) | 205 (42.09%) |
|  | Tertiary | 40 (5.82%) | 53 (10.88%) |
| Location |  |  |  |
|  | Rural | 374 (54.44%) | 287 (58.93%) |
|  | Urban | 313 (45.56%) | 200 (41.07%) |
| District |  |  |  |
|  | Balaka | 65 (9.46%) | 54 (11.09%) |
|  | Blantyre | 84 (12.23%) | 48 (9.86%) |
|  | Chikwawa | 67 (9.75%) | 27 (5.54%) |
|  | Chitipa | 60 (8.73%) | 72 (14.78%) |
|  | Kasungu | 71 (10.33%) | 37 (7.60%) |
|  | Lilongwe | 55 (8.01%) | 41 (8.42%) |
|  | Mzimba South | 79 (11.50%) | 41 (8.42%) |
|  | Phalombe | 65 (9.46%) | 43 (8.83%) |
|  | Salima | 67 (9.75%) | 66 (13.55%) |
|  | Thyolo | 74 (10.77%) | 58 (11.91%) |

22. Which method would you prefer for reporting symptoms or receiving alerts?

| **Variable Name** | **Value** | **SMS** | **Mobile App** | **Phone call** | **In-person** | **Community Health Worker** |
| --- | --- | --- | --- | --- | --- | --- |
| Gender |  |  |  |  |  |  |
|  | Female | 289 (62.28%) | 45 (60.81%) | 246 (65.60%) | 94 (72.31%) | 94 (71.76%) |
|  | Male | 175 (37.72%) | 29 (39.19%) | 129 (34.40%) | 36 (27.69%) | 37 (28.24%) |
| Age Group |  |  |  |  |  |  |
|  | 18-24 | 103 (22.20%) | 12 (16.22%) | 80 (21.33%) | 26 (20.00%) | 20 (15.27%) |
|  | 25-29 | 93 (20.04%) | 16 (21.62%) | 56 (14.93%) | 25 (19.23%) | 11 (8.40%) |
|  | 30-34 | 63 (13.58%) | 12 (16.22%) | 48 (12.80%) | 17 (13.08%) | 13 (9.92%) |
|  | 35-39 | 61 (13.15%) | 12 (16.22%) | 43 (11.47%) | 15 (11.54%) | 22 (16.79%) |
|  | 40-44 | 49 (10.56%) | 8 (10.81%) | 36 (9.60%) | 9 (6.92%) | 19 (14.50%) |
|  | 45-49 | 43 (9.27%) | 2 (2.70%) | 26 (6.93%) | 7 (5.38%) | 14 (10.69%) |
|  | 50-54 | 15 (3.23%) | 7 (9.46%) | 23 (6.13%) | 4 (3.08%) | 6 (4.58%) |
|  | 55-59 | 15 (3.23%) | 1 (1.35%) | 21 (5.60%) | 5 (3.85%) | 5 (3.82%) |
|  | 60-64 | 10 (2.16%) | 1 (1.35%) | 20 (5.33%) | 9 (6.92%) | 8 (6.11%) |
|  | 65-69 | 4 (0.86%) | 2 (2.70%) | 7 (1.87%) | 6 (4.62%) | 4 (3.05%) |
|  | 70-74 | 4 (0.86%) | 1 (1.35%) | 7 (1.87%) | 4 (3.08%) | 5 (3.82%) |
|  | 75-79 | 4 (0.86%) | 0 (0.00%) | 6 (1.60%) | 1 (0.77%) | 2 (1.53%) |
|  | 80-84 | 0 (0.00%) | 0 (0.00%) | 1 (0.27%) | 2 (1.54%) | 1 (0.76%) |
|  | 85 above | 0 (0.00%) | 0 (0.00%) | 1 (0.27%) | 0 (0.00%) | 1 (0.76%) |
| Education |  |  |  |  |  |  |
|  | No formal education | 16 (3.45%) | 2 (2.70%) | 24 (6.40%) | 16 (12.31%) | 17 (12.98%) |
|  | Primary | 212 (45.69%) | 10 (13.51%) | 198 (52.80%) | 68 (52.31%) | 66 (50.38%) |
|  | Secondary | 197 (42.46%) | 42 (56.76%) | 130 (34.67%) | 39 (30.00%) | 44 (33.59%) |
|  | Tertiary | 39 (8.41%) | 20 (27.03%) | 23 (6.13%) | 7 (5.38%) | 4 (3.05%) |
| Location |  |  |  |  |  |  |
|  | Rural | 259 (55.82%) | 27 (36.49%) | 206 (54.93%) | 78 (60.00%) | 91 (69.47%) |
|  | Urban | 205 (44.18%) | 47 (63.51%) | 169 (45.07%) | 52 (40.00%) | 40 (30.53%) |
| District |  |  |  |  |  |  |
|  | Balaka | 56 (12.07%) | 2 (2.70%) | 31 (8.27%) | 9 (6.92%) | 21 (16.03%) |
|  | Blantyre | 59 (12.72%) | 10 (13.51%) | 37 (9.87%) | 15 (11.54%) | 11 (8.40%) |
|  | Chikwawa | 35 (7.54%) | 1 (1.35%) | 33 (8.80%) | 19 (14.62%) | 6 (4.58%) |
|  | Chitipa | 57 (12.28%) | 4 (5.41%) | 50 (13.33%) | 14 (10.77%) | 7 (5.34%) |
|  | Kasungu | 27 (5.82%) | 9 (12.16%) | 46 (12.27%) | 10 (7.69%) | 16 (12.21%) |
|  | Lilongwe | 35 (7.54%) | 3 (4.05%) | 33 (8.80%) | 16 (12.31%) | 9 (6.87%) |
|  | Mzimba South | 34 (7.33%) | 10 (13.51%) | 56 (14.93%) | 11 (8.46%) | 9 (6.87%) |
|  | Phalombe | 29 (6.25%) | 12 (16.22%) | 31 (8.27%) | 13 (10.00%) | 23 (17.56%) |
|  | Salima | 80 (17.24%) | 9 (12.16%) | 27 (7.20%) | 7 (5.38%) | 10 (7.63%) |
|  | Thyolo | 52 (11.21%) | 14 (18.92%) | 31 (8.27%) | 16 (12.31%) | 19 (14.50%) |