**S4 Table : Factors Associated with ACT treatment using Stepwise Multivariate Logistic Regression**

|  |  |
| --- | --- |
|   | Stepwise Logistic Regression |
|  | Odds Febrile Episode Treated with ACT | Odds RDT-Positive Febrile Episode Treated with ACT |
|  | (1) | (2) |
| Respondent Believed Illness Was Malaria |  2.47\*\* |  2.65\*\* |
|  [1.82,3.34]  |  [1.80,3.92]  |
|  |   |   |
| Patient is Aged 15 and above | Ref. Group | Ref. Group |
|
|  |  |  |
| Patient Aged 5-14 |  | 1.45 |
|  |  [0.90,2.34]  |
|  |  |  |
| Patient Under Age 5 |  | 1.42 |
|  |  [0.89,2.28]  |
|  |  |  |
| Standardized Village Prevalence Rate | 0.86 |  0.74\*  |
|  [0.73,1.01]  |  [0.55,1.00]  |
|  |  |  |
| Respondent Has No Education | Ref. Group | Ref. Group |
|
|  |  |  |
| Respondent Has Some Primary Education |  2.24\*\* |  1.90\*  |
|  [1.45,3.44]  |  [1.11,3.24]  |
|  |  |  |
| Respondent Has Some Secondary Education |  2.24\*\* | 1.78 |
|  [1.24,4.05]  |  [0.88,3.60]  |
|  |  |  |
| Respondent Can Read English |  |  |
|  |  |
|  |  |  |
| Household In First Wealth Quintile (Poorest) | Ref. Group | Ref. Group |
|
|  |  |  |
| Household In Second Wealth Quintile |  |  |
|  |  |
|  |  |  |
| Household In Third Wealth Quintile |  |  |
|  |  |
|  |  |  |
| Household In Fourth Wealth Quintile |  1.54\*  |  |
|  [1.01,2.33]  |  |
|  |  |  |
| Household In Fifth Wealth Quintile (Richest) | 1.39 |  |
|  [0.88,2.20]  |  |
|  |  |  |
| Household distance to closest health center (km)  |  |  |
|  |  |
|  |  |  |
| Household distance to closest hospital (km)  |  | 0.98 |
|  |  [0.95,1.01]  |
|  |  |  |
| Household distance to closest clinic (km)  |  |  |
|  |  |
|  |  |  |
| Household distance to closest drug shop(km)  |  1.15\*  |  1.20\*\* |
|  [1.02,1.28]  |  [1.06,1.37]  |
|  |  |  |
| ACTs available at closest licensed drug shop |  1.50\*\* |  1.74\*  |
|  [1.11,2.04]  |  [1.10,2.76]  |
|  |   |   |
| Proportion of people who took an ACT | 0.4 | 0.39 |
| Number of Observations | 1103 | 597 |

Notes: Results are from a stepwise backward-selection estimation of a logistic model (using the “stepwise” command in STATA). The significance level for removal from the model was 0.2. 95% confidence intervals are in brackets and are adjusted for clustering at the village level. \*p<0.05, \*\*p<0.01