**Supplementary File 4:** Characteristics of participants who dropped out of the study at follow-up round 2. Piped water coverage (exposure variable) was similar between participants who dropped out of the study and those that were enrolled and examined. Significantly higher dropouts were only observed among girls. Piped water coverage was derived from the Gaussian kennel density estimation of radius 3 kilometers.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Attrition | Piped water coverage in 2007 median % (Iqr) |
| Characteristic at baseline | Infected at baseline (N) | Dropouts at round 2 n(%) | P-values | subjects examined at round 2 | Dropouts at round 2 |
| Sex | Female | 116  | 82 (70.7) | 0.006 a | 84.6 (65.0-97.2) | 85.2 (72.8-96.3) |
| Male | 217  | 120 (55.3) | 92.8 (73.8-98.1) | 92.4 (75.5-98.6) |
|   |   |   |  |  |  |  |
| Age category | <=10 | 57 | 28 (49.1) | 0.0909 b | 84.7 (67.5-98.4) | 80.3 (62.6-96.7) |
| 11 | 87 | 51 (58.6) | 92.5 (75.3-97.2) | 82.3 (73.6-97.1) |
| 12 | 92 | 63 (68.5) | 89.2 (64.3-97.7) | 90.3 (74.6-96.8) |
| ≥13 | 97 | 60 (61.9) | 93.9 (81.4-98.2) | 93.3 (78.6-98.3) |
|   |   |  |  |  |  |
| Grade | five | 185  | 107(57.8) | 0.238 a | 91.2 (67.7-97.5) | 87.5 (74.3-97.3) |
| six | 148  | 95 (64.2) | 94.3 (70.8-98.0) | 92.0 (73.6-97.4) |
|   |   |   |  |  |  |  |
| Altitude (Metres) | <50 | 29  | 15 (51.7) | 0.7903 b | 95.3 (91.5-99.2) | 82.0 (74.6-98.4) |
| 50-100 | 167  | 105 (62.9) | 82.1 (64.3-95.9) | 82.3 (69.2-96.3) |
| >100 | 137  | 82 (59.9) | 96.1 (81.4-98.9) | 95.1 (80.8-98.9) |
|   |   |   |  |  |  |  |
| Distance water body class | <1km | 112  | 66 (58.9) | 0.7655 b | 94.3 (66.8-98.1) | 93.6 (74.7-98.4) |
| 1-2km | 122  | 80 (65.6) | 91.2 (72.3-98.2) | 84.6 (72.3-97.9) |
| >2km | 99  | 56 (56.7) | 89.2 (77.6-97.3) | 85.1 (77.6-96.3) |
|   |   |  |  |  |  |
| Land cover class | Sparse Shrubland | 52 | 33 (63.5) | 0.609 a | 98.1 (89.8-99.1) | 97.9 (88.3-99.4) |
| Closed Shrubland | 183 | 115 (62.8) | 82.6 (67.9-96.8) | 82.9 (71.5-96.3) |
| Open Shrubland | 83 | 46 (55.4) | 94.3 (70.8-99.7) | 92.0 (76.2-96.9) |
| Thickett | 15 | 8 (53.3) | 91.9 (91.5-94.9) | 85.0 (73.9-96.9) |
|   |   |   |   |   |   |   |

*Iqr: interquartile range*

 *a refers to the p-value derived from the Chi-square analysis for nominal data and*

 *b refers to p-values derived from the Chi-square trend test*