

Table S1. Additional risk factors associated with *Plasmodium falciparum* malaria from the community-based KAP survey by study municipality in uMkhanyakude district, KwaZulu-Natal

| Risk Factor | Jozini N (%) | uMhlabuyalingana N (%) | Total N (%) |
|------------------------------|-----------------|---------------------------|----------------|
| Household | | | |
| Structure | | | |
| Traditional | 13 (4.7) | 40 (4.4) | 53 (4.4) |
| Mixed Material | 149 (54.4) | 452 (49.5) | 601 (49.5) |
| Brick/Cement | 112 (40.9) | 448 (46.1) | 560 (46.1) |
| Reason for no | | | |
| IRS | | | |
| Away from home | 4 (23.5) | 87 (65.9) | 91 (61.1) |
| Sick person in the house | 0 | 9 (6.8) | 9 (6) |
| Furniture could not be moved | 1 (5.9) | 2 (1.5) | 3 (2) |
| Never offered | 12 (70.6) | 34 (25.8) | 46 (30.9) |
| Travel outside | | | |
| KZN | | | |
| Mozambique | 4 (20) | 47 (75.8) | 51 (62.2) |

| | | | |
|--------------|---------|-----------|-----------|
| South Africa | 13 (65) | 15 (24.2) | 28 (34.2) |
| Eswatini | 2 (10) | 0 | 2 (2.4) |
| Malawi | 1 (5) | 0 | 1 (1.2) |

**Fever in the past
month**

| | | | |
|-----|----------|------------|------------|
| Yes | 4 (1) | 14 (1) | 18 (1) |
| No | 515 (99) | 1 468 (99) | 1 983 (99) |

**Place treatment
sought**

| | | | |
|------------------------|--------|----------|-----------|
| Government facility | 3(75) | 14 (100) | 17 (94.4) |
| Private facility | 1 (25) | 0 | 1 (5.6) |
| Traditional healer | 0 | 0 | 0 |

**Days after fever
sought treatment**

| | | | |
|------------------|--------|-----------|-----------|
| 1 day | 1 (25) | 1 (7.1) | 2 (11.1) |
| 3 days | 0 | 2 (14.3) | 2 (11.1) |
| 5 days | 0 | 1 (7.1) | 1 (5.6) |
| 1 week or longer | 2 (50) | 0 | 2 (11.1) |
| Do not remember | 1 (25) | 10 (71.4) | 11 (61.1) |

Personal

protection used

| | | | |
|------------------|----------|-----------|-----------|
| Bednets | 9 (81.8) | 33 (71.7) | 42 (73.7) |
| Chemoprophylaxis | 1 (9.1) | 2 (4.3) | 3 (5.3) |
| Coils | 1 (9.1) | 2 (4.3) | 3 (5.3) |
| Fire/Smoke | 0 | 1 (2.2) | 1 (1.8) |
| Repellents | 0 | 8 (17.4) | 8 (14) |
