Table 1. Baseline characteristics

|  | **Pyriproxyfen-pyrethroid LLIN group** | **Chlorfenapyr-pyrethroid LLIN group** | **Pyrethroid-only**  **LLIN group** |
| --- | --- | --- | --- |
| **Study cluster characteristics** | | | |
| Number of clusters | 20 | 20 | 20 |
| Total population in core and buffer areas | 74 822 | 70 989 | 69 239 |
| Mean population in core area of clusters (range) | 1096·1 (225 – 4524) | 1120·5 (243 – 5040) | 1058·1 (252 – 5217) |
| Mean number of people per household (SD) | 4·0 (2·3) | 3·9 (2·3) | 4·1 (2·4) |
| Mean number of sleeping spaces per household (SD) | 2·2 (1·2) | 2·1 (1·1) | 2·2 (1·2) |
| **Households and participants characteristics baseline cross-sectional survey** | | | |
| Low socioeconomic status\* | 35·8%, 529/1479 | 36·2%, 533/1474 | 29·0%, 431/1487 |
| LLIN ownership (at least one LLIN in the household) | 96·4%, 1426/1479 | 97·1%, 1431/1474 | 95·1%, 1415/1488 |
| LLIN use in all age groups the night before | 95·8%, 1312/1370 | 94·9%, 1258/1326 | 96·5%, 1343/1392 |
| Malaria infection prevalence in all age groups | 43·1%, 636/1475 | 40·7%, 598/1468 | 46·5%, 690/1485 |
| Anaemia prevalence in children aged 6 months to 4 years$ | 53·3%, 136/255 | 53·3%, 131/246 | 50·2%, 122/243 |
| **Entomological characteristics baseline** | | | |
| Mean human biting density per person/night indoor# (SD) | 32·9 (28·9) | 21·6 (21·0) | 29·2 (25·3) |
| Mean human biting density per person/night outdoor# (SD) | 20·3 (17·6) | 16·4 (17·4) | 20·6 (20·2) |
| Mean indoor EIR per person/ night (SD) | 0·62 (0·93) | 0·48 (0·65) | 0·96 (1·18) |
| Mean outdoor EIR per person/ night (SD) | 0·27 (0·45) | 0·17 (0·44) | 0·33 (0·45) |
| **Children (aged 6 months to 10 years) characteristics at cohort enrolment** | | | |
| Proportion of children under 5 years | 52·3%, 316/604 | 50.6%, 304/601 | 53·6%, 322/601 |
| Proportion of female children | 47·2%, 285/604 | 48·4%, 291/601 | 48·8%, 293/601 |
| Net usage the night before | 99·0%, 598/604 | 98·7%, 593/601 | 99·2%, 596/601 |
| Abbreviations: SD, Standard deviation; EIR, Entomological inoculation rate; LLIN, Long lasting insecticidal net  \* Proportion of households in the poorest tercile based on the wealth index of the entire study area  $ Moderate and severe anaemia, defined as haemoglobin concentration <10 g/dL  # Malaria vectors included *Anopheles* *gambiae* s.l.; *Anopheles* *funestus* gr; *Anopheles* *nili* gr | | | |