**ADDITIONAL FILE 2- SUPPLEMENTARY MATERIAL**

Definitions of the LLIN maintenance and use indicators

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| INDICATOR | DEFINITION |
| Proportion of households with at least one LLIN | $$\frac{Number of households survyed with \geq 1 LLIN}{Total number of households surveyed}·100$$ |
| Proportion of households with at least one LLIN for every two people | $$\frac{Number of households with at \geq 1 LLIN for every 2 people}{Total number of households surveyed}·100$$ |
| Proportion of population with adequate access to a LLIN within their household | $$\frac{Number of inidiudals who could sleep under a LLIN if each LLIN in the houshold is used by 2 people}{Total number of individuals in the surveyed households}·100$$ |
| Proportion of the population that slept under a LLIN the previous night | $$\frac{Number of individuals who slept under a LLIN the previous night}{Total number of individuals in the surveyed households}·100$$ |
| Proportion of children under five years old who slept under a LLIN the previous night | $$\frac{Number of children under five years old who slept under a LLIN the previous night}{Total number of children under five years in the surveyed households}·100$$ |