

Executive Summary - Insecticide Treated Nets (ITN) Cost-Effectiveness (Nigeria 2021)															
<b>Cost-Effectiveness of ITN Distribution - Nigeria 2021</b> Analysis of ITN ownership, usage and impact among children under 5 across 6 geopolitical zones <b>Key Results</b> Average Cost per DALY Averted ≈ \$3098 Average Cost per Case Averted ≈ \$62 Total DALYs Averted ≈ 27519 Most Cost-Effective Zone: North West Least Cost-Effective Zone: South West	<p>Cost-Effectiveness by Zone (Lower Cost = More Effective)</p> <table border="1"> <thead> <tr> <th>Geopolitical Zone</th> <th>Cost per DALY Averted (\$)</th> </tr> </thead> <tbody> <tr> <td>North West</td> <td>\$2,015</td> </tr> <tr> <td>North East</td> <td>\$2,165</td> </tr> <tr> <td>North Central</td> <td>\$3,607</td> </tr> <tr> <td>South East</td> <td>\$3,729</td> </tr> <tr> <td>South South</td> <td>\$4,641</td> </tr> <tr> <td>South West</td> <td>\$4,955</td> </tr> </tbody> </table>	Geopolitical Zone	Cost per DALY Averted (\$)	North West	\$2,015	North East	\$2,165	North Central	\$3,607	South East	\$3,729	South South	\$4,641	South West	\$4,955
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<b>Insights &amp; Implications</b> <b>High usage drives efficiency:</b> Northern zones (especially North West & North East) achieve lower cost per DALY due to stronger adoption. <b>Behavioural barriers:</b> Southern zones show very higher cost per DALY implying lower usage despite access - impacting the program efficiency. <b>Shifting focus:</b> behaviour change and maintenance campaigns could yield higher impact than distributing additional nets <b>Overall conclusion:</b> ITN distribution remains a highly cost-effective malaria intervention for Nigeria	<b>Data Sources</b> NMIS 2021: ITN ownership & usage, qualitative barriers (non-use reasons), malaria prevalence rates UN WPP 2021: Population under 5 GBD 2019: DALY per case <b>Assumptions</b> Cost per net delivered: \$5.5 per net Infection rate: 0.25 (25%) Efficacy of ITN: 0.50 (1 net for every 2 people) DALYs per case: 0.02														