Supplemental Table 1. Base costs and extrapolation dimensions used to adapt Namutumba costs to all other rural districts in Uganda

|  |  |  |
| --- | --- | --- |
|  | **Base cost1** **(2020 US dollars)** | **Extrapolation dimension2** |
| **Programmatic start-up costs** |  |  |
| **Social and behavior change communication** |  |  |
| Personnel | 13,592 | VHT Pop |
| Transport | 3,356 | Space |
| Materials | 58,874 | VHT Pop |
| In-kind incentives | 1,342 | VHT Pop |
| **Capacity building**  |  |  |
| Personnel | 6,567 | VHT Pop |
| Transport | 2,190 | Space |
| Materials | 10,759 | VHT Pop |
| In-kind incentives | 10,709 | VHT Pop |
|  |  |  |
| **Opportunity costs** |  |  |
| **Household opportunity cost "Last Mile"**  |  |  |
| Opportunity cost  | 0.98 | Child Pop |
|  |  |  |
| **Recurring programmatic costs** |  |  |
| **Social and behavior change communication** |  |  |
| Personnel  | 13,593 | VHT Pop |
| Transport | 3,357 | Space |
| Materials | - | VHT Pop |
| In-kind incentives | 1,343 | VHT Pop |
| **Logistics** |  |  |
| Personnel  | 32,035 | VHT Pop |
| Transport | 1,928 | Space |
| Materials | - | Space |
| In-kind incentives | - | Space |
| **Capacity building** |  |  |
| Personnel | 53,715 | VHT Pop |
| Transport | 10,458 | Space |
| Materials | 2,832 | VHT Pop |
| In-kind incentives | 8,998 | VHT Pop |
| **Operational M&E** |  |  |
| Personnel | 15,505 | VHT Pop |
| Transport  | 2,676 | Space |
| Materials | 1,251 | VHT Pop |
| In-kind incentives | - | VHT Pop |
| **Overhead and capital costs** |  |  |
| Equipment / Vehicles | 997 | VHT-Child Den |
| Buildings/Structures (desks, etc.) | 21 | VHT Pop |
| Other Materials (office supplies, etc.) | 24 | VHT Pop |
| Overhead | 164 | VHT Pop |

M&E, monitoring and evaluation.

1Base costs based on community arm of Schott, Richardson(1) costing study of micronutrient powder in Namutumba district.

2VHT pop, the number of village health team (VHT) community health workers per district; Space, the area of each district; Child pop, the number of eligible children per district; VHT-Child Den, the ratio of VHTs to eligible children per district.

Supplemental Table 2. Rural Uganda child population projections

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Age band** | **2022** | **2023** | **2024** | **2025** | **2026** | **2027** | **2028** | **2029** | **2030** | **2031** |
| 6 – 9 mo | 274,758 | 275,647 | 276,574 | 277,656 | 278,915 | 280,257 | 281,314 | 282,283 | 283,246 | 285,200 |
| 9 – 18 mo | 824,274 | 826,942 | 829,722 | 832,968 | 836,744 | 840,770 | 843,942 | 846,850 | 849,738 | 855,601 |
| 18 – 24 mo | 549,516 | 551,295 | 553,148 | 555,312 | 557,829 | 560,513 | 562,628 | 564,567 | 566,492 | 570,400 |

Rural population projections for children 0-59 months based on population projections for children 0-59 months from the Lives Saved Tool (<https://list.spectrumweb.org/>), weighted by projections of the percentage of the Ugandan population classified as rural from the UN World Urbanization Prospects (<https://population.un.org/wup/Download/>). Age band-specific population estimates calculated by assuming a uniform child population size among children 0-59 months.

Supplemental Table 3. Estimated cost of providing daily SQ-LNS to all children in rural Uganda1

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2021** | **2022** | **2023** | **2024** | **2025** | **2026** | **2027** | **2028** | **2029** | **2030** | **2031** |
| Millions of 2020 US dollars | $10.97 | $56.74 | $56.90 | $57.07 | $57.27 | $57.49 | $57.72 | $57.91 | $58.09 | $58.27 | $58.60 |

1Cost estimates based on providing SQ-LNS to all children from 6-12 months of age. Estimates include one year of start-up (2021) in which costs are incurred but benefits do not yet accrue.



Supplemental Figure 1. Extrapolation indices used to estimate district-level costs based on Namutumba unit costs. Note that the names of all rural districts included in the modeling are not shown on the x-axis.

 **References**

1. Schott W, Richardson B, Baker E *et al.* (2021) Comparing costs and cost-efficiency of platforms for micronutrient powder (MNP) delivery to children in rural Uganda. *Ann N Y Acad Sci* **1502**, 1, 28-39.