

Supplementary material 1

Table S1: Household cost categories, included variables and description of measurement

Cost category	Cost items	Cost Description	Cost unit	Time of collection & data source	Indicators/measures
Direct medical	Consultation	Any type of spending regarding consultation such as appointments with physicians, nurses, SACMOs, health workers or any other health professionals	- Exact amount spent per visit, number of visits per personnel type) -Total OOPE for all visits	Day of recruitment, day of discharge, day after discharge, follow-up cost through face-to-face interviews with either parents or relevant caregivers (in both intervention and control arms)	- Average cost per household for consultation for one episode of severe pneumonia, proportion of total cost for consultation
	Diagnostic test	Tests such as x-ray, blood glucose, CBC or any if carried out by the OOP of the households	- Direct spent by OOP, number of tests with names -Total OOPE for all diagnosis		- Average cost per household, proportion of total cost for diagnostic tests
	Medicines	Any prescribed or non-prescribed drug bought by the households	- Name, quantity, price, amount spent per drug - Total OOPE for all medicines		- Average cost and proportion of the total cost per household for medicines
	Other medical equipment	Any other items if bought by the households (syringe, needle, gloves, micropore etc.)	- Name, size, no. and price of each item with actual OOPE) -Total OOPE for all items		- Average cost per household for any medical items and proportion of the cost among total.
	Therapeutic food	Any special food or micronutrient as per suggestion and borne by the households	- Name, amount, price of each item - Total OOPE		- Average cost per household for any therapeutic food
Direct	Food items	Any type of food items purchased for children or for caregivers during	- Name, amount, price of food items -Total OOPE	- Average cost for food items and proportion of total cost per household	

Cost category	Cost items	Cost Description	Cost unit	Time of collection & data source	Indicators/measures
non-medical		seeking treatment			
	Hotel/lodging	Direct expenses borne by the households for staying in other places by any caregiver(s)	- Per night expense for renting any place or hotel per person, no. of days -Total OOPE		- Average cost and proportion of the total expenses
	Transportation	All types of vehicle used with cost accounting the whole treatment period by all caregivers	- Type of vehicles, time involvement, actual fare, no. of trips throughout treatment period by each vehicle type and OOPE -Total transportation cost		- Average cost per households for transportation
	Tips/informal payments	Any tips provided by the household for any type of services taken during the treatment period	- Total amount given by each type of service, actual OOPE -Total spending		- Average cost per households and the proportion of the total cost
Indirect cost	Waiting time	Capturing the real time taken for any visits or any services regarding treatment of every caregivers (opportunity cost/wage/income/productivity loss)	-Time spent by each care givers (in minutes, for each type of waiting regarding treatment) - Productivity /wage loss		- Average wage loss or productivity loss experienced by the household

Cost category	Cost items	Cost Description	Cost unit	Time of collection & data source	Indicators/measures
	Time involvement of the caregivers	For caring of the children for the entire treatment period (opportunity cost)	-Time spent by each care givers (in minutes, for each type of waiting regarding treatment) - Productivity /wage loss		- Average wage loss or productivity loss experienced by the household

Note: OOPE = Out-of-pocket expenditure; SACMO = Sub-Assistant Community Medical Officers; CBC= Complete blood count