

IMPROVING ACCESS TO COMMUNITY FOOD AND NUTRITION SYSTEMS FOR PEOPLE LIVING WITH HIV: AN ILLUSTRATED ASSESSMENT OF FOOD AND NUTRITION INTERVENTIONS IN HIGH FOOD INSECURE REGIONS OF KIAMBU, KENYA

Akulima M¹, Ikamati R¹, Mungai M¹, Muhula S¹, Karanja S¹

¹Amref Health Africa in Kenya

BACKGROUND

- There were estimated 236,548 People Living with HIV (PLHIV) in Central/Eastern Kenya in 2013
- Kiambu County had 46,656 PLHIV; 42,400(91%) adults and 4,200(9%) children aged 1-14 years. PLHIV stay in vulnerable households with limited access to food and chances for good health
- We implemented integrated community food security and nutrition interventions targeting 200 households for 1233 PLHIV
- The interventions included drought resistant crops and livestock, food banking, linkages for therapeutic feeding, vegetable drying, and storage with products value-addition and standards certification
- The objective of this study was to assess the performance of food security and nutritional interventions implemented through 8 Quality Improvement Team (QITs).



Fig 1: A foodbank in Ngoliba

METHODS

- A retrospective cohort study conducted between January 2015 and August 2016
- ChildStatusIndex(CSI)toolcollecteddataonthenumberofhouseholds with access to at least two meals per day (average |>20days per month)
- QITjournals provided descriptive information on monthly foods ecurity interventions (change ideas)
- The Run Chart (Time series Matrix) and Probability Matrix were applied to analyse the changes in trends in food access at household levels.

RESULTS

- CSI data showed that at pre-interventions; 98% of 200 households ate on average 1meal per day
- In 20 months period; 75% out of 90% target of 200 households were now accessing at least 2meals per day
- The Run Charts showed 20 data-points (Months), Median (87.5) with 7 runs across median line for probability range (6-16 Runs) at 5% risk level
- Run Charts showed increasing numbers of households with >2 meals per day between January-April 2015 and between January-August 2016

• The number of data-points trends, runs and shifts fulfilled Run Chart rules for validating changes and measuring performance of food interventions.

Goal: 90%(180) of targeted Households have access to and eat atleast 2 meals per day by June 2016

Median=87.5 households

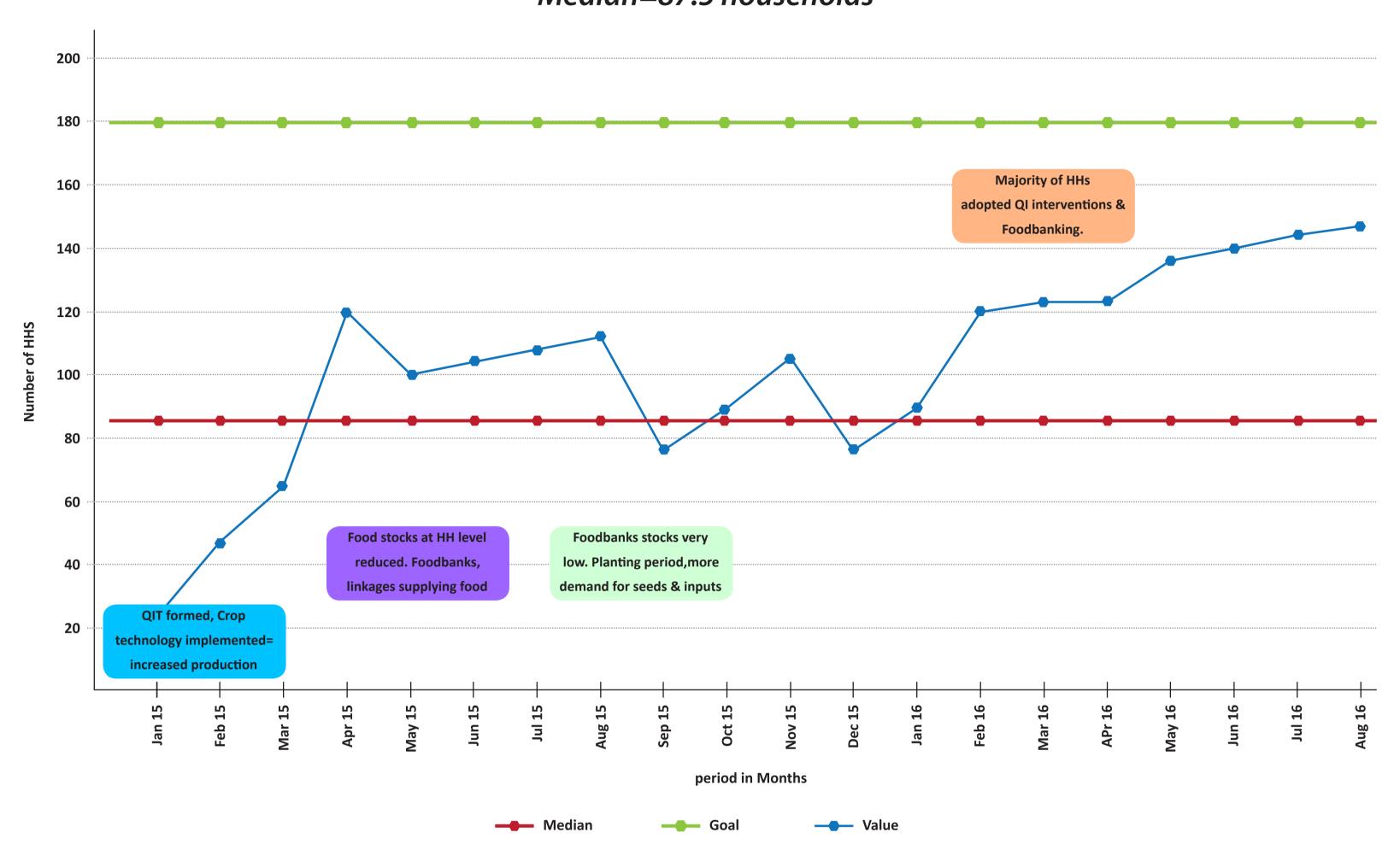


Fig 2: Ngoliba Quality Improvement Team Number of HHs having atleast 2 meals per day

				N not on median	Lowerlimit	Upperlimit
				26	9	19
Evnooto	4 Du	ınc T	ahla	27	10	19
Expected	ュベロ	1115 1	avic	28	10	20
				29	10	20
Checking for too	Total supplies of	the number of	Harris Engle for	30	11	21
	Total number of data points on the run chart		Upper limit for the number of	31	11	22
				32	11	23
				33	12	23
	that do not fall	number runs is	number runs is	34	12	24
	on the median	'too few')	'too many')	35	12	24
	10	3	9	36	13	25
	11	3	10	37	13	25
many or too few	12	3	11	38	14	26
	13	4	11	39	14	26
runs on a run chart.	14	4	12	40	15	27
Table is based on	15	5	12	41	15	27
	16	5	13	42	15	28
about a 5% risk of failing the run test for random patterns of data.	17	5	13	43	15	28
		_		44	17	29
	18	6	14	45	17	30
	19	6	15	46	17	31
	20	6	16	47	18	31
	21	7	16	48	18	32
	22	7	17	49	19	32
	23	7	17	50	19	33
	24	8	18	51	20	33
	25	8	18	52	20	34 34
				53 54	21	35
Source: Table 1, Perla et al. (2010), p. 49.				55	22	35
				56	22	35
				57	28	36
				58	23	37
				59	24	56
1/3/2015				59	24	38
				60	29	- 00

Fig 3: Food systems interventions validation table

CONCLUSION

- There was improvement in households' access to food with the proportion of households accessing at least 2meals per day increasing
- This suggests that integrated food and nutrition interventions through QITs contributed towards attainment of the food access goal
- QITs are imperative structures in addressing food system challenges
- Community partnerships need to adopt QITs structures in strengthening food and nutrition systems at community level.

ACKNOWLEDGEMENT

USAID, President's Emergency Plan For AIDS Relief, PEPFAR, Ministry of Health, MoH and Amref Health Africa,