

KENYA - Maternal, Infant and Young Child Nutrition, Effectiveness of Personalized Home based Nutritional counselling on Infant feeding practices in Urban Informal Settlements, Nairobi, Kenya

African Population and Health Research Center - APHRC

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Overview

Identification

ID NUMBER
APHRC-MIYCN-2014-1.1

Version

VERSION DESCRIPTION

PRODUCTION DATE
2015-09-03

NOTES
Version 1.0 (September 2015): Datasets edited and anonymised.

Overview

ABSTRACT

The WHO recommends exclusive breastfeeding in the first six months of an infant's life, to meet their nutritional requirements and achieve optimal growth, development and health. The WHO also recommends introducing appropriate complementary feeds at six months, with continued breastfeeding up to two years or beyond. Poor infant and young child feeding (IYCF) practices are widely documented in developing countries including Kenya, where only one-third of children are exclusively breastfed for six months. The Kenyan government developed a strategy to promote optimal IYCF practices in 2007, actualized mainly through the baby-friendly hospital initiative (BFHI) in public health facilities. Urban informal settlements, where most urban residents in Kenya live, present unique challenges to actualizing the strategy. The near absence of public facilities in these settlements means they are systematically excluded from such initiatives. Very poor IYCF practices and high levels of malnutrition characterize these settings; for example only 2% of infants under six months are exclusively breastfed, while 40% of children 0-42 months are malnourished. Innovative strategies to reach residents of urban informal settlements are therefore needed. We propose to assess the effectiveness of a community-based intervention on IYCF practices and nutritional status of Kenyan children living in two urban informal settlements in Nairobi: Korogocho and Viwandani. The study, funded by the Wellcome Trust will run for a period of three years, starting March 2012.

UNITS OF ANALYSIS
Household, Woman and child

Scope

NOTES

The study deploys a set of xx questionnaires that collects prospective data from the recruited woman from pregnancy to the end of infancy for the child. Socio-demographic data is collected at baseline and revised as appropriate prospectively. KAPS on MIYCN data is also collected prospectively on every round as appropriate. SES, food security, household hygiene including WASH profiles, health seeking behaviors, vaccination and child morbidity episodes are also collected. Anthropometric measurements are taken from the mother or mother/child pair on every visit.

KEYWORDS
KAPs, Breastfeeding, Exclusive Breastfeeding, Complementary Feeding, Vaccination, Child Growth

Coverage

GEOGRAPHIC COVERAGE

Korogocho and Viwandani, the Nairobi Urban Health and Demographic Surveillance Study Site in Nairobi County

UNIVERSE

The study will recruit pregnant women aged 12-49 years and follow them up to the point of giving birth and follow the mother/child pair until the end of infancy. Data on food security and SES will also be collected from the households they are part of.

Producers and Sponsors

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FUNDING

Name	Abbreviation	Role
Wellcome Trust	WT	Funder

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
The William and Flora Hewlett Foundation		Core funding for APHRC
The Swedish International Cooperation Agency (SIDA)		Core funding for APHRC
The Bill and Melinda Gates Foundation		Funding for the NUHDSS
The Division of Nutrition and the Division of Community Health Services of the Ministry of Health, Kenya		Guidance in the design of the intervention and support of the implementation
UNICEF		Guidance in the design of this study
Urban Nutrition Working Group in Kenya		Guidance in the design of this study
The APHRC Research Staff		Offer technical support in the design of the study

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
African Population and Health Research Center	APHRC		Metadata Producer

DATE OF METADATA PRODUCTION

2014-12-12

DDI DOCUMENT VERSION

Version 1.1

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Sampling

Sampling Procedure

The study adopts a cluster-randomized trial design, with block randomization at village level, with half of the villages in Korogocho and Viwandani allocated to the intervention and the other half to the control arm. Block randomization is preferred over individual-level randomization to minimize contamination. Recruitment of participants is done through routine NUHDSS rounds whereby pregnancy registration is done for female residents aged 12-49 years in each household. This will be complimented by community informants to ensure high coverage. All pregnant women in each village in the two study slums will be recruited to the study until the desired sample size of 800 (approx. 400 in each site and in each arm) is achieved.

Deviations from Sample Design

No deviation

Weighting

None

Questionnaires

Overview

All questionnaires (including on household characteristics and food security and hygiene) are administered to the mother being followed up.

Baseline Questionnaire - socio-demographic characteristics, KAPs on MIYCN Pre-birth questionnaire - Maternal nutrition, KAPs on MIYCN, ANC attendance Post birth 1 questionnaire - Initiation of BF, birth weight, Post natal care Post birth 2 questionnaire - exclusive breastfeeding, baby milestones, vaccination Post birth 3 questionnaire - exclusive breastfeeding, continued breastfeeding, complementary feeding, vaccination Post birth 4 questionnaire (end line) questionnaire - recap of the infancy period, BF, CF and vaccination, contraceptive use Post infancy questionnaire - continued breastfeeding, complementary feeding Household food security - food security Household hygiene questionnaire - WASH and feeding environment Anthropometric questionnaire - height, length, weight and BP readings for mother and child

Data Collection

Data Collection Dates

Start	End	Cycle
2012-09-04	2015-02-02	N/A

Data Collection Mode

Face-to-face [f2f]

Questionnaires

All questionnaires (including on household characteristics and food security and hygiene) are administered to the mother being followed up.

Baseline Questionnaire - socio-demographic characteristics, KAPs on MIYCN Pre-birth questionnaire - Maternal nutrition, KAPs on MIYCN, ANC attendance Post birth 1 questionnaire - Initiation of BF, birth weight, Post natal care Post birth 2 questionnaire - exclusive breastfeeding, baby milestones, vaccination Post birth 3 questionnaire - exclusive breastfeeding, continued breastfeeding, complementary feeding, vaccination Post birth 4 questionnaire (end line) questionnaire - recap of the infancy period, BF, CF and vaccination, contraceptive use Post infancy questionnaire - continued breastfeeding, complementary feeding Household food security - food security Household hygiene questionnaire - WASH and feeding environment Anthropometric questionnaire - height, length, weight and BP readings for mother and child

Supervision

The Project Manager is in charge of overall supervision. The Research officer managed the whole process of data collection and supervision of data collectors assisted by a research assistant. The field data collectors were led by a team leader who was in charge of planning, allocating workload and checking data quality issues as well as reporting in the progress of data collection and issues affecting the team and the process of data collection. The research assistant assisted the data collector is addressing data issues that required clarifications by liaising with the field team through their team leader.

Data Processing

Data Editing

Data was collected using electronic programs in netbooks that had internal constraints which helped in data consistency and accuracy. The field team leader reviewed all records collected by the data collectors immediately following the completion of the data collection of the records and raised issues with the data collectors for clarification. The research assistant reviewed 5% of records submitted and raised emerging issues for clarification by the team leader. In case an issue was not clear, call backs were made to the respondents to confirm the information.

Data Appraisal

No content available

Related Materials

Questionnaires

MIYCN Post Infancy Questionnaire

Title MIYCN Post Infancy Questionnaire
Filename MIYCN Post Infancy Questionnaire.pdf

MIYCN_Post Birth 1_ Questionnaire

Title MIYCN_Post Birth 1_ Questionnaire
Filename MIYCN_Post Birth 1_ Questionnaire.pdf

MIYCN Anthropometric Questionnaire

Title MIYCN Anthropometric Questionnaire
Filename MIYCN Anthropometric Questionnaire.pdf

MIYCN_Pre Birth_ Questionnaire

Title MIYCN_Pre Birth_ Questionnaire
Filename MIYCN_Pre Birth_ Questionnaire.pdf

MIYCN_Post Bith 4_ Endline_ Questionnaire

Title MIYCN_Post Bith 4_ Endline_ Questionnaire
Filename MIYCN_Post Bith 4_ Endline_ Questionnaire.pdf

MIYCN_Household Hygiene_ Questionnaire

Title MIYCN_Household Hygiene_ Questionnaire
Filename MIYCN_Household Hygiene_ Questionnaire.pdf

MIYCN_Post Birth 2 Questionnaire

Title MIYCN_Post Birth 2 Questionnaire
Filename MIYCN_Post Birth 2 Questionnaire.pdf

MIYCN_Food Security_ Questionnaire

Title MIYCN_Food Security_ Questionnaire
Filename MIYCN_Food Security_ Questionnaire.pdf

MIYCN_Post Bith 3 Questionnaire

Title MIYCN_Post Bith 3 Questionnaire
Filename MIYCN_Post Bith 3 Questionnaire.pdf

MIYCN_Baseline_Questionnaire

Title MIYCN_Baseline_Questionnaire
Filename MIYCN_Baseline_Questionnaire.pdf
