

Kenya - Faecal Waste Management in Rapidly Urbanizing Cities in Kenya, N/A

African Population & Health Research Center - APHRC

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Overview

Identification

ID NUMBER

APHRC.FWM.2018.1.0

Version

VERSION DESCRIPTION

PRODUCTION DATE

2018-12-24

NOTES

N/A

Overview

ABSTRACT

Urbanization is a major feature of global population redistribution. Sub-Saharan Africa (SSA), though ranked currently as the least urbanized region of the world, is the most rapidly urbanizing region globally. It is projected that in the next few decades the region will have more than half of its population living in urban settings. In Kenya, despite a comprehensive sanitation policy, close to 40% of the population lacked access to safe sanitation with only 5.9% of the country's population connected to sewers while open defecation still persisted at 17.6%. Objectives: The proposed study sought to: (a) Review existing, policies and institutional arrangements for effective faecal waste management (FWM) in both cities; (b) assess perceptions, attitudes and practices of stakeholders in relation to FWM; (c) assess the financing for FWM by County governments in the two cities.

Methods: The study employed qualitative approach which involved focus group discussions, in-depth interviews and key informant interviews across the wide spectrum of FWM stakeholders. Descriptive analysis of content and thematic analysis of qualitative data was employed.

UNITS OF ANALYSIS

Individuals working in Sanitation plants (Recyclers and Management)

Community members(Tenants and Landlords and Pit emptiers)

Experts: Public health officers and Sanitation coordinators in schools and hospitals

Scope

NOTES

Policy variables for questions derived from KESH Policy were as follows: a) Scaling up access to improved urban sanitation b) Clean and healthy environment for all Kenyans through appropriate technology choices for waste management and pollution control c) Private sector participation and investment in sanitation. d) Governance and leadership capacity for sanitation. e) Sustainable financing and investment for sanitation. f) Enabling legal and regulatory environment. g) Research and development framework for sanitation. h) Monitoring and evaluation systems for the sanitation sector.

-Status of sanitation chain related items included: containment, emptying, transportation, recycling and treatment

KEYWORDS

Fecal Waste Management Study

Coverage

GEOGRAPHIC COVERAGE

Urban areas of Nakuru and Nairobi

UNIVERSE

Individuals working in Sanitation plants (Recyclers and Management)

Community members(Tenants and Landlords and Pit emptiers)

Experts: Public health officers and Sanitation coordinators in schools and hospitals

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
African Population & Health Research Center	APHRC

OTHER PRODUCER(S)

Name	Affiliation	Role
Prof. Blessing Mberu	APHRC	Principal Investigator
Dr. Dickson Amugsi	APHRC	Co-Investigator and Project Manager
Dr. Caroline Kabaria	APHRC	Co-Investigator

FUNDING

Name	Abbreviation	Role
Bill & Melinda Gates Foundation	BMGF	

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
African Population & Health Research Center	APHRC		Data Documentation

DATE OF METADATA PRODUCTION

2018-12-24

DDI DOCUMENT VERSION

Version 1.0 (December 2018)

DDI DOCUMENT ID

APHRC.FWM.2018.1.0

Sampling

Sampling Procedure

i. Sample size determination.

No sample size was determined as the data needed was not based on representativeness, but rather was based on the reality on the ground. Stakeholders with relevant information regarding the provision of sanitation along the sanitation service chain were contacted. Key Informant interviews (KIIs) were administered to identified key actors in sanitation.

ii. Sampling procedures.

The sample of stakeholders was purposively drawn and the snowball method was used to access the right stakeholders.

Deviations from Sample Design

N/A

Response Rate

N/A

Weighting

N/A

Questionnaires

Overview

The interview guides were structured based on:

Policy makers questions on KESH Policy as follows:

- a) Scaling up access to improved urban sanitation
- b) Clean and healthy environment for all Kenyans through appropriate technology choices for waste management and pollution control
- c) Private sector participation and investment in sanitation.
- d) Governance and leadership capacity for sanitation.
- e) Sustainable financing and investment for sanitation.
- f) Enabling legal and regulatory environment.
- g) Research and development framework for sanitation.
- h) Monitoring and evaluation systems for the sanitation sector.

Status of sanitation chain related items: containment, emptying, transportation, recycling and treatment

Data Collection

Data Collection Dates

Start	End	Cycle
2018-05-01	2018-05-31	Nakuru
2018-07-16	2018-08-10	Nairobi

Data Collection Mode

Focus Group [foc] and Face to Face (ftf)

Questionnaires

The interview guides were structured based on:

Policy makers questions on KESH Policy as follows:

- a) Scaling up access to improved urban sanitation
- b) Clean and healthy environment for all Kenyans through appropriate technology choices for waste management and pollution control
- c) Private sector participation and investment in sanitation.
- d) Governance and leadership capacity for sanitation.
- e) Sustainable financing and investment for sanitation.
- f) Enabling legal and regulatory environment.
- g) Research and development framework for sanitation.
- h) Monitoring and evaluation systems for the sanitation sector.

Status of sanitation chain related items: containment, emptying, transportation, recycling and treatment

Supervision

The supervision process included the following:

Data collection was conducted by a group of interviewers grouped into two teams for effective supervision and spotchecking.

The role of the supervisor was to coordinate field data collection activities; including management of the field teams, supplies and equipment, finances, maps and listings, and coordinating with local authorities concerning the survey plan. Additionally, the field supervisor assigned the work to the interviewers, spot checked work, maintained field control documents, and sent completed questionnaires and progress reports to the central office

Field visits were also made by a team of co-investigators on a periodic basis during fieldwork to provide support and to review progress.

Data Processing

Data Editing

Audios were listened to by the supervisor on a daily basis before debriefing the field interviewers so as to improve on data collection process.

Audios were then transcribed under supervision to ensure quality transcription all through.

Other Processing

Data was coded inductively because it was an exploratory study.

Data Appraisal

Estimates of Sampling Error

N/A

File Description

Variable List

Related Materials

Questionnaires

Interview Guide for Pit Emptiers

Title Interview Guide for Pit Emptiers
 Author(s) APHRC
 Date 13/03/2019
 Country Kenya
 Language English
 Filename Interview Guide for Pit Emptiers.pdf

Interview guide (Schools and Hospitals)

Title Interview guide (Schools and Hospitals)
 Author(s) APHRC
 Date 13/03/2019
 Country Kenya
 Language English
 Filename Interview guide (Schools and Hospitals).pdf

Interview Guide (practitioner)

Title Interview Guide (practitioner)
 Author(s) APHRC
 Date 13/03/2019
 Country Kenya
 Language English
 Filename interview Guide (practitioner).pdf

Interview Guide (policy makers)

Title Interview Guide (policy makers)
 Author(s) APHRC
 Date 13/03/2019
 Country Kenya
 Language English
 Filename Interview Guide (policy makers).pdf

Interview guide (community members & leaders)

Title Interview guide (community members & leaders)
 Author(s) APHRC
 Date 13/03/2019
 Country Kenya
 Language English

Filename Interview guide (community members & leaders).pdf

Other materials

Protocol

Title Protocol
 Author(s) APHRC
 Date 13/03/2019
 Country Kenya
 Language English
 Filename Protocol_FWM_Final.pdf

NACOSTI Approval Letter

Title NACOSTI Approval Letter
 Author(s) APHRC
 Date 13/03/2019
 Country Kenya
 Language English
 Filename NACOSTI Approval Letter_FWM.pdf

Approval Letter

Title Approval Letter
 Author(s) APHRC
 Date 13/03/2019
 Country Kenya
 Language English
 Filename FWM-Approval Letter.pdf

Consent (English Fecal waste management)

Title Consent (English Fecal waste management)
 Author(s) APHRC
 Date 13/03/2019
 Country Kenya
 Language English
 Filename Consent (English Fecal waste management).pdf
