

# Kenya - Standardized Expanded Nutrition Survey (SENS), Kakuma and Kalobeyei Refugee Camps - 2018

**UNHCR**

Report generated on: September 24, 2021

Visit our data catalog at: <https://microdata.unhcr.org/index.php>

# Overview

## Identification

---

### ID NUMBER

UNHCR\_KEN\_2018\_SENS\_Kakuma\_v2.1

## Version

---

### VERSION DESCRIPTION

- v2.1: Edited, anonymous dataset for licensed distribution.

### PRODUCTION DATE

2020-01

## Overview

---

### ABSTRACT

The UNHCR Standardized Expanded Nutrition Surveys (SENS) provide regular nutrition data that plays a key role in delivering effective and timely interventions to ensure good nutritional outcomes among populations affected by forced displacement. UNHCR conducted an annual SENS nutrition surveys in Kakuma refugee camp and Kalobeyei Refugee Settlement.

At the time of the survey, the camp was hosting 186,515 refugees originating from 20 countries, comprised of 53.3% (99,320) males and 46.7% (87,195) females. These represented 148,295 from Kakuma and 38,220 from Kalobeyei and originating from 20 nationalities. The number of children under 5 years of age is currently estimated to be 20,468 from Kakuma and 7,576 from Kalobeyei or 15% of the total population. Women of reproductive age were 32,373 from Kakuma and 7,643 from Kalobeyei. According to the United Nations High Commission for Refugees (UNHCR) HIS database (Nov 2018), the main countries of origin are currently South Sudan, 57.8 %, and Somalia, 33.6 %, with the remaining percent originating from various countries in the region including Democratic republic of Congo (6.5%), Ethiopia (5.6%), and Burundi (5.4%) among others

Data collection started on the 26th November and ended on December 8th, 2018. The overall aim of this survey was to assess the general nutrition and health status of refugee population and formulate workable recommendations for appropriate nutritional and public health interventions.

### KIND OF DATA

Sample survey data [ssd]

### UNITS OF ANALYSIS

Children 0-23 months

Children 6-59 months

Women 15-49 years

Households

## Scope

---

### NOTES

- Children 0-23 months: feeding practices

- Children 6-59 months: prevalence of acute malnutrition, underweight, stunting and anaemia, coverage of vit A supplementation, and prevalence of diarrhoea
- Women 15-49 years: prevalence of anaemia
- Households: food security, WASH

**TOPICS**

<b>Topic</b>	<b>Vocabulary</b>	<b>URI</b>
Health and Nutrition		
Health		
Water Sanitation Hygiene		
Food security		
Food Distribution		

**Coverage****GEOGRAPHIC COVERAGE**

Kakuma Refugee Camp and Kalobeyei Refugee Settlement in Turkana County, Kenya

**UNIVERSE**

Children 0-59 months

Women 15-49 years

Refugee households

**Producers and Sponsors****PRIMARY INVESTIGATOR(S)**

<b>Name</b>	<b>Affiliation</b>
UNHCR	

**Metadata Production****METADATA PRODUCED BY**

<b>Name</b>	<b>Abbreviation</b>	<b>Affiliation</b>	<b>Role</b>
UNHCR			

**DATE OF METADATA PRODUCTION**

2021-09

**DDI DOCUMENT VERSION**

1.0

**DDI DOCUMENT ID**

UNHCR\_KEN\_2018\_SENS\_Kakuma\_DDI\_v1.0

# Sampling

## Sampling Procedure

---

A two-stage cluster survey with probability proportion to size sampling was employed in this survey.

Standardized Monitoring and Assessment of Relief and Transitions (SMART) methodology to collect and analyse data on child anthropometry and UNHCR's Standardised Expanded Nutrition Survey (SENS) Guidelines for Refugee Populations was used to guide data collection for other indicators.

The same households sampled by SMART were used in all indicators. Anaemia sample was drawn from the SMART sample size, as recommended by the UNHCR Standardised Expanded Nutrition Survey (SENS) Guidelines.

For each of the indicators used, households and individuals were sampled as follows:

Household-level indicators:

- WASH: every household
- Food Security: every other household
- Mosquito net: every other household

Individual-level indicators:

- Children 0-59 months: all eligible children in all households were assessed (based on the above calculations)
- Women 15-49: all eligible women in every other household were assessed.

The sample size for children, 6-59 months, was calculated using ENA for SMART software (9th, July 2015) according to UNHCR SENS guidelines (version 2 (2013). The calculation was based on the expected prevalence of global acute malnutrition (GAM) in children, 6-59 months. A precision of 3.5; a design effect (DEFF) of 1.5 for Kakuma and 1 for Kalobeyei; an average household size of 6.6 in Kakuma and 5.2 in Kalobeyei; and, percentage of children under the age of five was estimated at 19.5% in Kakuma and 14.9% in Kalobeyei, using the UNHCR ProGres data, November 2019.

A two-stage cluster survey was conducted using the Standardized Monitoring and Assessment of Relief and Transitions (SMART) methodology to collect and analyse data on child anthropometry. Information on other indicators was collected and analysed using UNHCR's Standardised Expanded Nutrition Survey (SENS) Guidelines for Refugee Populations (Version 2 2013) (see [www.sens.unhcr.org](http://www.sens.unhcr.org)).

ENA for SMART selects the clusters (blocks), once done a team was sent to a block to label the households numerically with indelible pens. Population density varies across the blocks at Kakuma. If a block contained 100 households or less, all households in the block were marked. If a Block contained more than 100 households then the team walked around the block to identify a path that divided the block into approximately two halves. One portion of the block was selected randomly. In the selected segment of the block the team proceeded to number all households from the first to the last. If there was more than one household in a particular compound, this was indicated at the entrance of the compound (e.g. 2019 SENS HH1). The numbering and labelling was done two days prior to commencement of the survey.

If there was more than one household in a particular compound, this was indicated at the entrance of the compound (e.g. HH1-HH6). The numbering and labelling was done three days prior to commencement of the survey.

# Questionnaires

## Overview

---

- 1) Children 6-59 months (SENS Modules 1-2): Anthropometric status, oedema, enrolment in selective feeding programmes and blanket feeding programmes (CSB++), immunisation (measles), vitamin A supplementation in last six months, de-worming, morbidity from diarrhoea in past two weeks, haemoglobin assessment.
- 2) Children 0-23 months (SENS Module 3): Questions on infant and young children feeding practices.
- 3) Women 15-49 years (SENS Module 2): Pregnancy status, coverage of iron-folic acid pills and post-natal vitamin A supplementation, MUAC measurements for pregnant and lactating women (PLW), and haemoglobin assessment for non-pregnant women.
- 4) Food Security (SENS Module 4): Access and use of the general food ration (GFR), coping mechanisms when the GFR ran out ahead of time and household food dietary diversity using the food consumption score.

# Data Collection

## Data Collection Dates

Start	End	Cycle
2018-11-26	2018-12-09	N/A

## Data Collection Mode

Face-to-face interview: Mobile

## Questionnaires

- 1) Children 6-59 months (SENS Modules 1-2): Anthropometric status, oedema, enrolment in selective feeding programmes and blanket feeding programmes (CSB++), immunisation (measles), vitamin A supplementation in last six months, de-worming, morbidity from diarrhoea in past two weeks, haemoglobin assessment.
- 2) Children 0-23 months (SENS Module 3): Questions on infant and young children feeding practices.
- 3) Women 15-49 years (SENS Module 2): Pregnancy status, coverage of iron-folic acid pills and post-natal vitamin A supplementation, MUAC measurements for pregnant and lactating women (PLW), and haemoglobin assessment for non-pregnant women.
- 4) Food Security (SENS Module 4): Access and use of the general food ration (GFR), coping mechanisms when the GFR ran out ahead of time and household food dietary diversity using the food consumption score.

## Data Collectors

Name	Abbreviation	Affiliation
UNHCR		

## Data Processing

No content available

## Data Appraisal

No content available

## File Description

## Variable List

# Anonymized Children's Data v1.11

## Content

Cases 1230

Variable(s) 39

Structure Type:  
Keys: ()

Version

Producer

Missing Data

## Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V112	i_sens_uuid	SENS ID	discrete	character	
V113	camp	Camp	discrete	character	
V114	hhid	HH ID	contin	numeric	
V115	id	Child ID in household	discrete	numeric	
V116	sex	Sex	discrete	character	
V117	months	Age in months	contin	numeric	
V118	weight	Weight	contin	numeric	
V119	height	Height	contin	numeric	
V120	edema	Bilateral edema	discrete	character	
V121	muac_mm	Measurement of upper arm circumference	contin	numeric	
V122	enrol	Enrolment in selective feeding programme	discrete	numeric	
V123	measles	Has child been vaccinated against measles?	discrete	numeric	
V124	vita	Has child received Vit. A capsule in last 6 months?	discrete	numeric	
V125	deworm	Has child received deworming supplement in last 6 months?	discrete	numeric	
V126	diar	Has child suffered from diarrhoea in last 2 weeks?	discrete	numeric	
V127	chhb	Child's haemoglobin (Hb) in g/dL ( $\pm 0.1$ g/dL) or in g/L ( $\pm 1$ g/L)	contin	numeric	
V128	refer	If haemoglobin is <6, child is referred to clinic	discrete	numeric	
V129	everbf	Has CHILD ever been breastfed?	discrete	numeric	
V130	initbf	How long after birth did you put CHILD to breast?	discrete	numeric	
V131	yestbf	Was CHILD breastfed yesterday?	discrete	numeric	
V132	water	Yesterday, was CHILD given WATER?	discrete	numeric	
V133	inform	Yesterday, was CHILD given INFANT FORMULA?	discrete	numeric	
V134	milk	Yesterday, was CHILD given MILK/POWDERED MILK?	discrete	numeric	
V135	juice	Yesterday, was CHILD given JUICE?	discrete	numeric	
V136	broth	Yesterday, was CHILD given BROTH?	discrete	numeric	
V137	yogurt	Yesterday, was CHILD given YOGURT?	discrete	numeric	
V138	thinpor	Yesterday, was CHILD given THIN PORRIDGE?	discrete	numeric	
V139	whtteacof	Yesterday, was CHILD given TEA/COFFEE?	discrete	numeric	

V140	watlqd	Yesterday, was CHILD given ANY OTHER LIQUID?	discrete	numeric
V141	food	Yesterday, was CHILD given SOLID FOOD?	discrete	numeric
V142	bottle	Yesterday, was CHILD given ANYTHING FROM A BOTTLE?	discrete	numeric
V143	fleshfd	Yesterday, was CHILD given MEAT?	discrete	numeric
V144	fbf	Yesterday ate fortified-based foods	discrete	numeric
V145	fbfsuper	Yester day ate super foods	discrete	numeric
V146	reasonnofbfsuper	Why didn't you eat super foods?	discrete	numeric
V147	rutf	Yesterday ate ready-to-use therapeutic food (RUTF)	discrete	numeric
V148	rusf	Yesterday ate ready-to-use supplementary food (RUSF)	discrete	numeric
V149	x_elig_ref	Child has been referred to referral program	discrete	numeric
V150	surv_weight	Survey weight	contin	numeric

# Anonymized HH FS Data v1.11

Content	
Cases	556
Variable(s)	41
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V151	camp	Camp	discrete	character	
V152	survdate	Date of interview	discrete	character	
V153	i_sens_uuid	SENS ID	discrete	character	
V154	fsconst	Consent to conduct interview	discrete	numeric	
V155	hhsize	Household size	discrete	numeric	
V156	simcard	Does your household have a sim card?	discrete	numeric	
V157	bambachakula	Does your household have a Bamba Chakula?	discrete	numeric	
V158	gfdlast	Number of days food distribution lasted	contin	numeric	
V159	gfreason	Why did food not last for 30 days?	discrete	numeric	
V160	oil1	Items bought: oils	discrete	numeric	
V161	sugar1	Items bought: sweets	discrete	numeric	
V162	fruit1	Items bought: Fruits	discrete	numeric	
V163	teas	Items bought: tea	discrete	numeric	
V164	salts	Items bought: salts	discrete	numeric	
V165	milk1	Items bought: milk	discrete	numeric	
V166	eggs1	Items bought: eggs	discrete	numeric	
V167	drinkjuice	Items bought: drinking juice	discrete	numeric	
V168	meat1	Items bought: meats	discrete	numeric	
V169	brw	Last month: Anyone in hh has borrowed money?	discrete	numeric	
V170	sold	Last month: Anyone in hh has sold assets	discrete	numeric	
V171	askmore	Last month: Anyone in hh requested remittances?	discrete	numeric	
V172	lessmeal	Last month: Anyone in hh reduced quantity of meals?	discrete	numeric	
V173	beg	Last month: Anyone in hh begged for food?	discrete	numeric	
V174	crl	FCS cereals	discrete	numeric	
V175	whtrt	FCS: White roots, tubers, starches	discrete	numeric	
V176	vitaveg	FCS vit A rich vegetables / tubers	discrete	numeric	
V177	greenveg	FCS green vegetables	discrete	numeric	
V178	othveg	FCS other vegetables	discrete	numeric	

V179	vitafrt	FCS vit A rich fruits	discrete	numeric
V180	othfrt	FCS other fruits	discrete	numeric
V181	orgmt	FCS organ meat	discrete	numeric
V182	flshmt	FCS flesh meat	discrete	numeric
V183	eggs	FCS eggs	discrete	numeric
V184	fishsf	FCS fish	discrete	numeric
V185	pulse	FCS pulses	discrete	numeric
V186	milk	FCS milk	discrete	numeric
V187	fats	FCS fats	discrete	numeric
V188	swts	FCS sweets	discrete	numeric
V189	spice	FCS spices, condiments, beverages	discrete	numeric
V190	fortif	FCS fortified food	discrete	numeric
V191	surv_weight		contin	numeric

# Anonymized HH WASH Data v1.11

## Content

Cases 1116

Variable(s) 20

Structure Type:  
Keys: ()

Version

Producer

Missing Data

## Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V192	camp	Camp	discrete	character	
V193	survdate	Survey Date	discrete	character	
V194	sens_uuid	SENS ID	discrete	character	
V195	wsconst	Consent	discrete	numeric	
V196	hhsize	Household size	discrete	numeric	
V197	source	Source of drinking water	discrete	numeric	
V198	satisfy	Satisfied with drinking water supply?	discrete	numeric	
V199	reason	Reason not satisfied with drinking water supply	discrete	numeric	
V200	reasonoth	Reason not satisfied with drinking water supply, oth	discrete	character	
V201	toilet	What kind of toilet does this hh use?	discrete	numeric	
V202	toilshr	How many households share this toilet?	discrete	numeric	
V203	toilshr_c	Number of households sharing the toilet	discrete	numeric	
V204	child	Children less than 3 years old in the HH	discrete	numeric	
V205	stool	Where are child's stool disposed?	discrete	numeric	
V206	stooloth	Child's stool disposed other	discrete	character	
V207	container	# of containers to collect water	discrete	numeric	
V208	x_tot_lit_day	Number of litres of water per day	contin	numeric	
V209	lpppd	Liters per person per day	contin	numeric	
V210	store	Are the drinking containers covered or narrow necked?	discrete	numeric	
V211	surv_weight	Survey weight	contin	numeric	

# Anonymized Women's Data v1.11

## Content

Cases 593

Variable(s) 13

Structure Type:  
Keys: ()

Version

Producer

Missing Data

## Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V212	i_sens_uuid	SENS ID	discrete	numeric	
V213	survdate	Survey Date	discrete	character	
V214	camp_w	Camp	discrete	character	
V215	wmid	Woman ID	discrete	numeric	
V216	wmconst	Consent	discrete	numeric	
V217	age	Age	discrete	numeric	
V218	pregnant	Pregnant	discrete	numeric	
V219	lactating	Breastfeeding	discrete	numeric	
V220	anc	Antenatal care (ANC) program	discrete	numeric	
V221	ferec	Receiving iron-folate pills	discrete	numeric	
V222	wmhb	Haemoglobin in g/dL ( $\pm 0.1$ g/dL) or in g/L ( $\pm 1$ g/L)	contin	numeric	
V223	refer	Referral to health centre	discrete	numeric	
V224	surv_weight	Survey weight	contin	numeric	



## SENS ID (i\_sens\_uuid)

### File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete	Valid cases: 1230
Format: character	Invalid: 0
Width: 31	

## Camp (camp)

### File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete	Valid cases: 1230
Format: character	Invalid: 0
Width: 9	

## HH ID (hhid)

### File: Anonymized Children's Data v1.11

#### Overview

Type: Continuous	Valid cases: 1230
Format: numeric	Invalid: 0
Width: 10	Minimum: 1
Decimals: 0	Maximum: 762
Range: 1-762	Mean: 397
	Standard deviation: 221.9

## Child ID in household (id)

### File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete	Valid cases: 1230
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 1-5	

## Sex (sex)

### File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete	Valid cases: 1229
Format: character	Invalid: 0
Width: 2	

## Age in months (months)

### File: Anonymized Children's Data v1.11

#### Overview

Type: Continuous	Valid cases: 1230
Format: numeric	Invalid: 0
Width: 10	Minimum: 0
Decimals: 0	Maximum: 60
Range: 0-60	Mean: 31.2
	Standard deviation: 17.7

## Weight (weight)

### File: Anonymized Children's Data v1.11

#### Overview

Type: Continuous	Valid cases: 1107
Format: numeric	Invalid: 123
Width: 10	Minimum: 5.4
Decimals: 0	Maximum: 23.4
Range: 5.4-23.4	Mean: 12
	Standard deviation: 3

## Height (height)

### File: Anonymized Children's Data v1.11

#### Overview

Type: Continuous	Valid cases: 1106
Format: numeric	Invalid: 124
Width: 10	Minimum: 61.7
Decimals: 0	Maximum: 123
Range: 61.7-123	Mean: 89.4
	Standard deviation: 12.5

## Bilateral edema (edema)

### File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete	Valid cases: 1105
Format: character	Invalid: 0
Width: 1	

## Measurement of upper arm circumference (muac\_mm)

### File: Anonymized Children's Data v1.11

#### Overview

Type: Continuous	Valid cases: 1106
Format: numeric	Invalid: 124
Width: 12	Minimum: 112
Decimals: 0	Maximum: 205
Range: 112-205	Mean: 150.6
	Standard deviation: 12.6

## Enrolment in selective feeding programme (enrol)

### File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 1-4

Valid cases: 1108  
 Invalid: 122

Has child been vaccinated against measles? (measles)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 1-3

Valid cases: 1056  
 Invalid: 174

Has child received Vit. A capsule in last 6 months? (vita)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 1-3

Valid cases: 1108  
 Invalid: 122

Has child received deworming supplement in last 6 months? (deworm)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 1-8

Valid cases: 771  
 Invalid: 459

Has child suffered from diarrhoea in last 2 weeks? (diar)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 1-8

Valid cases: 1108  
 Invalid: 122

Child's haemoglobin (Hb) in g/dL ( $\pm 0.1$  g/dL) or in g/L ( $\pm 1$  g/L)  
 (chhb)

File: Anonymized Children's Data v1.11

#### Overview

Type: Continuous	Valid cases: 1104
Format: numeric	Invalid: 126
Width: 10	Minimum: 5.3
Decimals: 0	Maximum: 14.9
Range: 5.3-14.9	Mean: 10.8
	Standard deviation: 1.5

If haemoglobin is <6, child is referred to clinic (refer)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete	Valid cases: 11
Format: numeric	Invalid: 1219
Width: 12	
Decimals: 0	
Range: 1-1	

Has CHILD ever been breastfed? (everbf)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete	Valid cases: 455
Format: numeric	Invalid: 775
Width: 12	
Decimals: 0	
Range: 1-2	

How long after birth did you put CHILD to breast? (initbf)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete	Valid cases: 399
Format: numeric	Invalid: 831
Width: 12	
Decimals: 0	
Range: 1-3	

Was CHILD breastfed yesterday? (yestbf)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete	Valid cases: 399
Format: numeric	Invalid: 831
Width: 12	
Decimals: 0	
Range: 1-2	

Yesterday, was CHILD given WATER? (water)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-2

Valid cases: 459  
Invalid: 771

Yesterday, was CHILD given INFANT FORMULA? (inform)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-2

Valid cases: 458  
Invalid: 772

Yesterday, was CHILD given MILK/POWDERED MILK? (milk)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-2

Valid cases: 459  
Invalid: 771

Yesterday, was CHILD given JUICE? (juice)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-2

Valid cases: 459  
Invalid: 771

Yesterday, was CHILD given BROTH? (broth)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-2

Valid cases: 459  
Invalid: 771

Yesterday, was CHILD given YOGURT? (yogurt)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-2

Valid cases: 459  
Invalid: 771

Yesterday, was CHILD given THIN PORRIDGE? (thinpor)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-2

Valid cases: 459  
Invalid: 771

Yesterday, was CHILD given TEA/COFFEE? (whtecof)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-2

Valid cases: 459  
Invalid: 771

Yesterday, was CHILD given ANY OTHER LIQUID? (watlqd)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-2

Valid cases: 459  
Invalid: 771

Yesterday, was CHILD given SOLID FOOD? (food)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-8

Valid cases: 459  
Invalid: 771

Yesterday, was CHILD given ANYTHING FROM A BOTTLE? (bottle)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-8

Valid cases: 459  
Invalid: 771

Yesterday, was CHILD given MEAT? (fleshfd)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-2

Valid cases: 337  
Invalid: 893

Yesterday ate fortified-based foods (fbf)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-2

Valid cases: 337  
Invalid: 893

Yesterday ate super foods (fbfsuper)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-8

Valid cases: 337  
Invalid: 893

Why didn't you eat super foods? (reasonnofbsuper)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-3

Valid cases: 269  
Invalid: 961

Yesterday ate ready-to-use therapeutic food (RUTF) (rutf)

File: Anonymized Children's Data v1.11

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 1-2

Valid cases: 337  
 Invalid: 893

## Yesterday ate ready-to-use supplementary food (RUSF) (rusf)

File: Anonymized Children's Data v1.11

### Overview

Type: Discrete  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 1-2

Valid cases: 337  
 Invalid: 893

## Child has been referred to referral program (x\_elig\_ref)

File: Anonymized Children's Data v1.11

### Overview

Type: Discrete  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 1-2

Valid cases: 13  
 Invalid: 1217

## Survey weight (surv\_weight)

File: Anonymized Children's Data v1.11

### Overview

Type: Continuous  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 11.2940298507463-36.55

Valid cases: 1230  
 Invalid: 0  
 Minimum: 11.3  
 Maximum: 36.6  
 Mean: 22.8  
 Standard deviation: 12.6

## Camp (camp)

File: Anonymized HH FS Data v1.11

### Overview

Type: Discrete  
Format: character  
Width: 9

Valid cases: 556  
Invalid: 0

## Date of interview (survdate)

File: Anonymized HH FS Data v1.11

### Overview

Type: Discrete  
Format: character  
Width: 12

Valid cases: 556  
Invalid: 0

## SENS ID (i\_sens\_uuid)

File: Anonymized HH FS Data v1.11

### Overview

Type: Discrete  
Format: character  
Width: 31

Valid cases: 556  
Invalid: 0

## Consent to conduct interview (fsconst)

File: Anonymized HH FS Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-1

Valid cases: 556  
Invalid: 0

## Household size (hhszie)

File: Anonymized HH FS Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-15

Valid cases: 548  
Invalid: 8

## Does your household have a sim card? (simcard)

File: Anonymized HH FS Data v1.11

### Overview

Type: Discrete  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 0-1

Valid cases: 554  
 Invalid: 2

## Does your household have a Bamba Chakula? (bambachakula)

File: Anonymized HH FS Data v1.11

### Overview

Type: Discrete  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 0-1

Valid cases: 556  
 Invalid: 0

## Number of days food distribution lasted (gfdlast)

File: Anonymized HH FS Data v1.11

### Overview

Type: Continuous  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 1-31

Valid cases: 555  
 Invalid: 1  
 Minimum: 1  
 Maximum: 31  
 Mean: 19  
 Standard deviation: 5.2

## Why did food not last for 30 days? (gfdreason)

File: Anonymized HH FS Data v1.11

### Overview

Type: Discrete  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 1-5

Valid cases: 551  
 Invalid: 5

## Items bought: oils (oil1)

File: Anonymized HH FS Data v1.11

### Overview

Type: Discrete  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 0-1

Valid cases: 545  
 Invalid: 11

## Items bought: sweets (sugar1)

File: Anonymized HH FS Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 546  
Invalid: 10

## Items bought: Fruits (fruit1)

### File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 545  
Invalid: 11

## Items bought: tea (teas)

### File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 546  
Invalid: 10

## Items bought: salts (salts)

### File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 544  
Invalid: 12

## Items bought: milk (milk1)

### File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 545  
Invalid: 11

## Items bought: eggs (eggs1)

### File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 546  
Invalid: 10

Items bought: drinking juice (drinkjuice)

File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 545  
Invalid: 11

Items bought: meats (meat1)

File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 545  
Invalid: 11

Last month: Anyone in hh has borrowed money? (brw)

File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-8

Valid cases: 556  
Invalid: 0

Last month: Anyone in hh has sold assets (sold)

File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-8

Valid cases: 555  
Invalid: 1

Last month: Anyone in hh requested remittances? (askmore)

File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-8

Valid cases: 555  
Invalid: 1

Last month: Anyone in hh reduced quantity of meals? (lessmeal)

File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-8

Valid cases: 556  
Invalid: 0

Last month: Anyone in hh begged for food? (beg)

File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-8

Valid cases: 554  
Invalid: 2

FCS cereals (crl)

File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 556  
Invalid: 0

FCS: White roots, tubers, starches (whtrt)

File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 555  
Invalid: 1

FCS vit A rich vegetables / tubers (vitaveg)

File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 556  
Invalid: 0

## FCS green vegetables (greenveg)

### File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 554  
Invalid: 2

## FCS other vegetables (othveg)

### File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 553  
Invalid: 3

## FCS vit A rich fruits (vitafrt)

### File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 555  
Invalid: 1

## FCS other fruits (othfrt)

### File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 555  
Invalid: 1

## FCS organ meat (orgmt)

### File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 554  
Invalid: 2

## FCS flesh meat (flshmt)

### File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 556  
Invalid: 0

## FCS eggs (eggs)

### File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 556  
Invalid: 0

## FCS fish (fishsf)

### File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 555  
Invalid: 1

## FCS pulses (pulse)

### File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 555  
Invalid: 1

## FCS milk (milk)

### File: Anonymized HH FS Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 555  
Invalid: 1

## FCS fats (fats)

File: Anonymized HH FS Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 555  
Invalid: 1

## FCS sweets (swts)

File: Anonymized HH FS Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 555  
Invalid: 1

## FCS spices, condiments, beverages (spice)

File: Anonymized HH FS Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 554  
Invalid: 2

## FCS fortified food (fortif)

File: Anonymized HH FS Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 556  
Invalid: 0

## (surv\_weight)

File: Anonymized HH FS Data v1.11

### Overview

Type: Continuous

Format: numeric

Width: 10

Decimals: 0

Range: 26.4388489208633-80.8237410071942

Valid cases: 556

Invalid: 0

Minimum: 26.4

Maximum: 80.8

Mean: 53.6

Standard deviation: 27.2

## Camp (camp)

### File: Anonymized HH WASH Data v1.11

#### Overview

Type: Discrete  
Format: character  
Width: 9

Valid cases: 1116  
Invalid: 0

## Survey Date (survdate)

### File: Anonymized HH WASH Data v1.11

#### Overview

Type: Discrete  
Format: character  
Width: 12

Valid cases: 1116  
Invalid: 0

## SENS ID (sens\_uuid)

### File: Anonymized HH WASH Data v1.11

#### Overview

Type: Discrete  
Format: character  
Width: 31

Valid cases: 1109  
Invalid: 0

## Consent (wsconst)

### File: Anonymized HH WASH Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-1

Valid cases: 1116  
Invalid: 0

## Household size (hhsizE)

### File: Anonymized HH WASH Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-15

Valid cases: 1115  
Invalid: 1

## Source of drinking water (source)

### File: Anonymized HH WASH Data v1.11

#### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-1

Valid cases: 1115  
Invalid: 1

## Satisfied with drinking water supply? (satisfy)

File: Anonymized HH WASH Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-3

Valid cases: 1116  
Invalid: 0

## Reason not satisfied with drinking water supply (reason)

File: Anonymized HH WASH Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-5

Valid cases: 447  
Invalid: 669

## Reason not satisfied with drinking water supply, oth (reasonoth)

File: Anonymized HH WASH Data v1.11

### Overview

Type: Discrete  
Format: character  
Width: 26

Valid cases: 5  
Invalid: 0

## What kind of toilet does this hh use? (toilet)

File: Anonymized HH WASH Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-3

Valid cases: 1116  
Invalid: 0

## How many households share this toilet? (toilshr)

File: Anonymized HH WASH Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-20

Valid cases: 952  
Invalid: 164

## Number of households sharing the toilet (toilshr\_c)

File: Anonymized HH WASH Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-4

Valid cases: 952  
Invalid: 164

## Children less than 3 years old in the HH (child)

File: Anonymized HH WASH Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-2

Valid cases: 1116  
Invalid: 0

## Where are child's stool disposed? (stool)

File: Anonymized HH WASH Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-7

Valid cases: 665  
Invalid: 451

## Child's stool disposed other (stooloth)

File: Anonymized HH WASH Data v1.11

### Overview

Type: Discrete  
Format: character  
Width: 38

Valid cases: 22  
Invalid: 0

## # of containers to collect water (container)

File: Anonymized HH WASH Data v1.11

### Overview

Type: Discrete  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 0-20

Valid cases: 1116  
 Invalid: 0

## Number of litres of water per day (x\_tot\_lit\_day)

File: Anonymized HH WASH Data v1.11

### Overview

Type: Continuous  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-940

Valid cases: 1116  
 Invalid: 0  
 Minimum: 0  
 Maximum: 940  
 Mean: 97.6  
 Standard deviation: 75

## Liters per person per day (lpppd)

File: Anonymized HH WASH Data v1.11

### Overview

Type: Continuous  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 0-120

Valid cases: 1116  
 Invalid: 0  
 Minimum: 0  
 Maximum: 120  
 Mean: 18.7  
 Standard deviation: 15.4

## Are the drinking containers covered or narrow necked? (store)

File: Anonymized HH WASH Data v1.11

### Overview

Type: Discrete  
 Format: numeric  
 Width: 12  
 Decimals: 0  
 Range: 1-3

Valid cases: 1114  
 Invalid: 2

## Survey weight (surv\_weight)

File: Anonymized HH WASH Data v1.11

### Overview

Type: Continuous  
 Format: numeric  
 Width: 10  
 Decimals: 0  
 Range: 13.125-40.4118705035971

Valid cases: 1116  
 Invalid: 0  
 Minimum: 13.1  
 Maximum: 40.4  
 Mean: 26.7  
 Standard deviation: 13.6

**SENS ID (i\_sens\_uuid)****File: Anonymized Women's Data v1.11****Overview**

Type: Discrete	Valid cases: 593
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 1-453	

**Survey Date (survdate)****File: Anonymized Women's Data v1.11****Overview**

Type: Discrete	Valid cases: 588
Format: character	Invalid: 0
Width: 26	

**Camp (camp\_w)****File: Anonymized Women's Data v1.11****Overview**

Type: Discrete	Valid cases: 593
Format: character	Invalid: 0
Width: 9	

**Woman ID (wmid)****File: Anonymized Women's Data v1.11****Overview**

Type: Discrete	Valid cases: 593
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 1-5	

**Consent (wmconst)****File: Anonymized Women's Data v1.11****Overview**

Type: Discrete	Valid cases: 593
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 1-1	

**Age (age)****File: Anonymized Women's Data v1.11****Overview**

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-7

Valid cases: 592  
Invalid: 1

## Pregnant (pregnant)

File: Anonymized Women's Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-8

Valid cases: 593  
Invalid: 0

## Breastfeeding (lactating)

File: Anonymized Women's Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 0-1

Valid cases: 592  
Invalid: 1

## Antenatal care (ANC) program (anc)

File: Anonymized Women's Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-2

Valid cases: 34  
Invalid: 559

## Receiving iron-folate pills (ferec)

File: Anonymized Women's Data v1.11

### Overview

Type: Discrete  
Format: numeric  
Width: 12  
Decimals: 0  
Range: 1-2

Valid cases: 34  
Invalid: 559

## Haemoglobin in g/dL ( $\pm 0.1$ g/dL) or in g/L ( $\pm 1$ g/L) (wmhb)

File: Anonymized Women's Data v1.11

### Overview

Type: Continuous	Valid cases: 559
Format: numeric	Invalid: 34
Width: 10	Minimum: 5.4
Decimals: 0	Maximum: 16.9
Range: 5.4-16.9	Mean: 12.4
	Standard deviation: 1.6

## Referral to health centre (refer)

### File: Anonymized Women's Data v1.11

#### Overview

Type: Discrete	Valid cases: 7
Format: numeric	Invalid: 586
Width: 12	
Decimals: 0	
Range: 1-1	

## Survey weight (surv\_weight)

### File: Anonymized Women's Data v1.11

#### Overview

Type: Continuous	Valid cases: 593
Format: numeric	Invalid: 0
Width: 10	Minimum: 27.2
Decimals: 0	Maximum: 103.8
Range: 27.1992882562278-103.759615384615	Mean: 67.5
	Standard deviation: 38.3

# Documentation

## Reports

### Report

---

Title Report  
Filename KAKUMA- KALOBEYEI 2018 SENS REPORT.pdf

---