

# WASH Knowledge, Attitudes and Practices Survey 2021

**UN Refugee Agency (UNHCR), World Vision**

report\_generated\_on: January 20, 2023

visit\_data\_catalog\_at: <https://microdata.worldbank.org/index.php>

## Identification

### SURVEY ID NUMBER

RWA\_2021\_WASH-Kigeme\_v01\_M

### TITLE

WASH Knowledge, Attitudes and Practices Survey 2021

### SUBTITLE

Kigeme Refugee Camp

### COUNTRY/ECONOMY

Name	Country code
Rwanda	RWA

### STUDY TYPE

Other Household Survey [hh/oth]

### ABSTRACT

This survey is intended to generate an understanding of the communities' level of knowledge, attitudes and practices gained through WASH interventions in the camps and project performance indicators measurements. As of the survey period, Kigeme camp was accommodating 17,662 refugees living in 2,628 households structured into 7 quarters having 22 villages.

### KIND OF DATA

Sample survey data [ssd]

### UNIT OF ANALYSIS

Household

## Version

### VERSION DESCRIPTION

Version 2.1: Edited, cleaned and anonymised data.

### VERSION DATE

2022-01-20

## Scope

### NOTES

The scope of the survey includes:

- household characteristics
- Water collection and storage
- Drinking water and Hygiene
- Hygiene
- Sanitation latrine
- WASH related diseases
- Menstrual Hygiene Management

### TOPICS

Topic
Water Sanitation Hygiene
Health
Shelter/Other Infrastructure

## KEYWORDS

Keyword
WASH
Rwanda
Kigeme

## Coverage

## GEOGRAPHIC COVERAGE

Kigeme Refugee Camp

## UNIVERSE

All refugee households in camp

## Producers and sponsors

## PRIMARY INVESTIGATORS

Name	Affiliation
UN Refugee Agency (UNHCR)	UN
World Vision	

## Sampling

## SAMPLING PROCEDURE

Simple random sampling of the overall sample size determined in the camp. As the camp is subdivided into villages, the sample size was proportionally distributed by the number of households in each village. The households to be surveyed for each village were randomly selected

## data\_collection

## DATES OF DATA COLLECTION

Start	End
2021-05-01	2021-06-30

## DATA COLLECTION MODE

Face-to-face [f2f]

## DATA COLLECTORS

Name
Galenda Ltd

## Access policy

## CONTACTS

Name	Affiliation	Email
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Curation team	UNHCR	microdata@unhcr.org
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## CITATION REQUIREMENTS

UNHCR, World Vision (2021). Rwanda: WASH Knowledge, Attitudes and Practices (KAP) Survey in Kigeme Refugee Camp - 2021 . Accessed from: <https://microdata.unhcr.org>

## Metadata production

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## DDI DOCUMENT ID

DDI\_RWA\_2021\_WASH-Kigeme\_v01\_M

## PRODUCERS

Name	Abbreviation	Affiliation	Role
UN Refugee Agency	UNHCR	UN	Metadata producer
Development Economics Data Group	DECDG	The World Bank	Metadata adapted for World Bank Microdata Library

## DATE OF METADATA PRODUCTION

2022-12-14

## DDI DOCUMENT VERSION

Version 01 (December 2022): This metadata was downloaded from the UNHCR catalog (<https://microdata.unhcr.org/index.php/home>) and it is identical to UNHCR version (UNHCR\_RWA\_2021\_WASH\_Kigeme\_v2.1). The following two metadata fields were edited - Document ID and Survey ID.

**data\_dictionary**

Data file	Cases	variables
<b>Households</b> This file contains the household data collected during the survey.	0	71



**Data file: Households**

This file contains the household data collected during the survey.

Cases: 0

variables: 71

**variables**

ID	Name	Label	Question
V1	CAMP	Camp	
V2	HHSIZE	How many people live and slept in this house last night?	
V3	CHHHSIZE	Children less than 5 years old live and slept in this house last night	
V4	SOURCE	Principal source of domestic drinking water	
V5	ASource_2	Second source of domestic drinking water	
V6	xWaterImproved	Improved Water Supply	
V7	CONTAINER	Number of containers to store and collect drinking water	
V8	xAvgVolCollectedPotable	Avg collected potable water per person	
V9	POTAPROT	Potable protected water per person per day	
V10	xAvgVolCollectedAll	Total water collected per person per day	
V11	STORAGE	Storage capacity per person	
V12	WATPREMISES	Is there a water source available on the premises?	
V13	TIMEWATER	How long does it take to go get water (one direction)	
V14	TIMEWATERTOTAL	How long does it take to go get water in total?	
V15	dist_water	Estimation to water source in meters	
V16	WATERSHORTAGE	Last month: hh didn't have enough drinking water?	
V17	REASONSHORTAGE	Why?	
V18	WATERSAMPLE	Will sample be taken for testing?	
V19	WATERSAMPLECONSENT	Consent to take water sample	
V20	xWaterServiceLevel	Water Service level	
V21	PRESENCESOAP	Ask for soap, was it presented within 1 minute?	
V22	WASHHANDSTIME1	3 most important times wash hands: before eating	
V23	WASHHANDSTIME2	3 most important times wash hands: before cooking	
V24	WASHHANDSTIME3	3 most important times wash hands: after defecation	
V25	WASHHANDSTIME4	3 most important times wash hands: before breastfeed	
V26	WASHHANDSTIME5	3 most important times wash hands: bef feed children	
V27	WASHHANDSTIME6	3 most important times wash hands: aft cleaning child's bottom	
V28	WASHHANDSTIME7	3 most important times wash hands: before prayer	
V29	WASHHANDSTIME99	3 most important times wash hands: doesn't know	
V30	WASHDEVICE	Is there hand washing station in the premise	
V31	WATERDEVICE	Is there water in the hand washing station	
V32	SOAPDEVICE0	Is there soap in the hand washing station?	
V33	ASHDEVICE	Is there ash in the hand washing station?	
V34	SOAPDEVICE	Either soap or ash	
V35	xHygieneServiceLevel	Hygiene Service Level	
V36	DEFECATEADULTS	Where do adults in HH usually go defecate?	
V37	DEFECATECHILDREN	Where do children u5 go defecate?	

ID	Name	Label	Question
V38	FAECESCHILDREN	What is done with children's faeces?	
V39	DEFECATEBUSH	Do members of hh defecate in the open air?	
V40	DEFECATEBUSHREASON	Why?	
V41	LATRINEPRIVACY	Does latrine provide privacy?	
V42	LATRINETYPE	Type of latrine	
V43	TOILETSLAB	Type of slab	
V44	LATRINEEMPTY	Has the latrine ever been emptied?	
V45	EXCRETADISPOSE	Where was it last emptied to?	
V46	FLUSHDISPOSE	Where do contents flush to?	
V47	BATHINGFACILITY	Does hh have a bathing facility at home?	
V48	DOMESTICWASTE	Where does hh dispose of waste?	
V49	DOMESTICWASTEOther	Other, specify	
V50	xSanitationImproved	Sanitation Improved	
V51	xSanitationDisposed	Sanitation Disposed	
V52	xSanitationServiceLevel	Sanitation Service Level	
V53	NBWOMENREPROD	X women of reproductive age in hh	
V54	interviewWOMAN	Possible to interview woman of rep age?	
V55	consentMENSTRUAL	Consent MHM	
V56	PERIODMATERIALOPT	Materials used during period:	
V57	PERIODMATERIALOPT1	Materials used during period: Disposable pad	
V58	PERIODMATERIALOPT2	Materials used during period: Reusable pad	
V59	PERIODMATERIALOPT3	Materials used during period: Reusable cloth	
V60	PERIODMATERIALOPT4	Materials used during period: Tampon	
V61	PERIODMATERIALOPT5	Materials used during period: Cotton	
V62	PERIODMATERIALOPT6	Materials used during period: Menstrual cup	
V63	PERIODMATERIALOPT7	Materials used during period: Layers	
V64	PERIODMATERIALOPT8	Materials used during period: Nothing	
V65	PERIODMATERIALOPT9	Materials used during period: Other	
V66	PERIODMATERIALPREFERRED	Would have rather used something else?	
V67	PERIODPRIVHOME	Were you able to change in privacy at home?	
V68	PERIODPRIVWORKSCHOOL	Were you able to change in privacy at school/work?	
V69	TOILETPAPERMHM	Is toilet paper/water available where women change?	
V70	calcMenstrualHygiene	Percentage satisfied with materials and facilities	
V71	surv_weight	Design weight	

total: 71



**CAMP: Camp****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

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**XAVGVOLCOLLECTEDALL: Total water collected per person per day****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Continuous Decimal: 0 Range: - Format: Numeric

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**HHSIZE: How many people live and slept in this house last night?****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**CHHSIZE: Children less than 5 years old live and slept in this house last night****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

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**SOURCE: Principal source of domestic drinking water****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

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**ASOURCE\_2: Second source of domestic drinking water****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

**XWATERIMPROVED: Improved Water Supply****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

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**CONTAINER: Number of containers to store and collect drinking water****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

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**XAVGVOLCOLLECTEDPOTABLE: Avg collected potable water per person****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Continuous Decimal: 0 Range: - Format: Numeric

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**POTAPROT: Potable protected water per person per day****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Continuous Decimal: 0 Range: - Format: Numeric

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**STORAGE: Storage capacity per person****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Continuous Decimal: 0 Range: - Format: Numeric

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**WATPREMISES: Is there a water source available on the premises?****Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

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**TIMEWATER: How long does it take to go get water (one direction)**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**TIMEWATERTOTAL: How long does it take to go get water in total?**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

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**DIST\_WATER: Estimation to water source in meters**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

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**WATERSHORTAGE: Last month: hh didn't have enough drinking water?**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**REASONSHORTAGE: Why?**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

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**WATERSAMPLE: Will sample be taken for testing?****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

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**WATERSAMPLECONSENT: Consent to take water sample****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

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**XWATERSERVICELEVEL: Water Service level****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

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**PRESENCESOAP: Ask for soap, was it presented within 1 minute?****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

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**WASHHANDSTIME1: 3 most important times wash hands: before eating****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

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**WASHHANDSTIME2: 3 most important times wash hands: before cooking****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

**WASHHANDSTIME3: 3 most important times wash hands: after defecation****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

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**WASHHANDSTIME4: 3 most important times wash hands: before breastfeed****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

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**WASHHANDSTIME5: 3 most important times wash hands: bef feed children****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

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**WASHHANDSTIME6: 3 most important times wash hands: aft cleaning child's bottom****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

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**WASHHANDSTIME7: 3 most important times wash hands: before prayer****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

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**WASHHANDSTIME99: 3 most important times wash hands: doesn't know****Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

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**WASHDEVICE: Is there hand washing station in the premise**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

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**WATERDEVICE: Is there water in the hand washing station**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

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**SOAPDEVICE0: Is there soap in the hand washing station?**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

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**ASHDEVICE: Is there ash in the hand washing station?**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**SOAPDEVICE: Either soap or ash**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**XHYGIENESERVICELEVEL: Hygiene Service Level****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**DEFECATEADULTS: Where do adults in HH usually go defecate?****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**DEFECATECHILDREN: Where do children u5 go defecate?****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**FAECESCHILDREN: What is done with children's faeces?****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**DEFECATEBUSH: Do members of hh defecate in the open air?****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**DEFECATEBUSHREASON: Why?****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

**LATRINEPRIVACY: Does latrine provide privacy?****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**LATRINETYPE: Type of latrine****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**TOILETSLAB: Type of slab****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**LATRINEEMPTY: Has the latrine ever been emptied?****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**EXCRETADISPOSE: Where was it last emptied to?****Data file: Households****Overview**

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**FLUSHDISPOSE: Where do contents flush to?****Data file: Households**

## Overview

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

---

## BATHINGFACILITY: Does hh have a bathing facility at home?

Data file: Households

### Overview

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

---

## DOMESTICWASTE: Where does hh dispose of waste?

Data file: Households

### Overview

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

---

## DOMESTICWASTEOTH: Other, specify

Data file: Households

### Overview

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

---

## XSANITATIONIMPROVED: Sanitation Improved

Data file: Households

### Overview

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

---

## XSANITATIONDISPOSED: Sanitation Disposed

Data file: Households

### Overview

Valid: 0 Invalid: 0  
Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**XSANITATIONSERVICELEVEL: Sanitation Service Level****Data file: Households****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Range: 1 - 5 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Basic
2	Limited
3	Open Defecation
4	Safely Managed
5	Unimproved

**NBWOMENREPROD: X women of reproductive age in hh****Data file: Households****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Range: - Format: Numeric

**INTERVIEWWOMAN: Possible to interview woman of rep age?****Data file: Households****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	No
2	Yes

**CONSENTMENSTRUAL: Consent MHM****Data file: Households**

**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	No
2	Yes

**PERIODMATERIALOPT: Materials used during period:****Data file: Households****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Range: 1 - 7 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	Disposable pad
2	Layers of underwear Reusable cloth
3	Nothing/bleed into clothes
4	Other
5	Other Disposable pad
6	Reusable cloth
7	Reusable pad

**PERIODMATERIALOPT1: Materials used during period: Disposable pad****Data file: Households****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Range: - Format: Numeric

**PERIODMATERIALOPT2: Materials used during period: Reusable pad****Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**PERIODMATERIALOPT3: Materials used during period: Reusable cloth**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

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**PERIODMATERIALOPT4: Materials used during period: Tampon**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

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**PERIODMATERIALOPT5: Materials used during period: Cotton**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**PERIODMATERIALOPT6: Materials used during period: Menstrual cup**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**PERIODMATERIALOPT7: Materials used during period: Layers**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**PERIODMATERIALOPT8: Materials used during period: Nothing****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**PERIODMATERIALOPT9: Materials used during period: Other****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: - Format: Numeric

---

**PERIODMATERIALPREFERRED: Would have rather used something else?****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: 1 - 6 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	No
2	Yes, Disposable pad
3	Yes, Layers of underwear
4	Yes, Other
5	Yes, Reusable cloth
6	Yes, Reusable pad

---

**PERIODPRIVHOME: Were you able to change in privacy at home?****Data file: Households****Overview**

Valid: 0 Invalid: 0  
 Type: Discrete Decimal: 0 Range: 1 - 2 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category
1	No
2	Yes

### PERIODPRIVWORKSCHOOL: Were you able to change in privacy at school/work?

Data file: Households

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Range: 1 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	No
2	Not applicable
3	Yes

### TOILETPAPERMHM: Is toilet paper/water available where women change?

Data file: Households

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Range: 1 - 3 Format: Numeric

#### Questions and instructions

##### CATEGORIES

Value	Category
1	Don't know
2	No
3	Yes

### CALCMENSTRUALHYGIENE: Percentage satisfied with materials and facilities

Data file: Households

#### Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Range: - Format: Numeric

**SURV\_WEIGHT: Design weight**

**Data file: Households**

**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Range: - Format: Numeric

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# study\_resources

## reports

### **Final Report for WASH Knowledge, Attitudes and Practices (KAP) Survey in Kigeme Refugee Camp**

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title Final Report for WASH Knowledge, Attitudes and Practices (KAP) Survey in Kigeme Refugee Camp  
date 2021-10-01  
country Rwanda  
language English  
filename Kigeme Report.pdf

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