

# Kenya - 2021 Kenya Time Use Survey

**Kenya National Bureau of Statistics**

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# Overview

## Identification

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### ID NUMBER

DDI-KEN-KNBS-KTUS-2021-V001

## Version

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### VERSION DESCRIPTION

Version 001

### PRODUCTION DATE

2021

## Overview

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### ABSTRACT

The 2021 KTUS was designed to provide information on time spent on unpaid care work, participation of women and men in System of National Accounts (SNA) and Non-SNA activities. The aim of KTUS was to measure both paid and unpaid work in order to obtain indicators to be used in monitoring and evaluating policies that are meant to accelerate the achievement of gender equality and women's empowerment in Kenya.

Specific objectives of the survey were to:

- i. Identify gender differences in time use patterns with special focus on paid and unpaid work activities.
- ii. Provide data to inform policy and resource allocation to programmes that will accelerate achievement of gender equality and women's empowerment.
- iii. Provide data to improve on the compilation of the contribution of household production to the National Accounts to inform macroeconomic policies and strategies.

### UNITS OF ANALYSIS

Household, individuals, county and national level

## Scope

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### NOTES

Time use surveys record the activities done by different individuals from a representative selection of households, and the time spent on each activity. The time spent on an activity is measured in terms of the number of minutes or hours within a 24-hour period. Typical examples of activities on which a person may spend time during the course of a day include: eating, travelling (walking, driving a car or riding a motor bike), unpaid child care (for example, supervising and feeding), working in a formal sector job (whether as employee or employer, in the public or private sector), doing unpaid 'economic' work (such as fetching water or collecting firewood, or working unpaid in the family business), and housework (cleaning the house, preparing meals, caring for children).

### KEYWORDS

2021 KTUS

## Coverage

### GEOGRAPHIC COVERAGE

National coverage

### UNIVERSE

The survey covered sampled households

## Producers and Sponsors

### PRIMARY INVESTIGATOR(S)

Name	Affiliation
Kenya National Bureau of Statistics	State Department for Economic Planning

### FUNDING

Name	Abbreviation	Role
World Bank	WB	Funding

## Metadata Production

### METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Kenya National Bureau of Statistics	KNBS	State Department of Planning	Collection of data, process and report

### DATE OF METADATA PRODUCTION

2021

### DDI DOCUMENT VERSION

Version 001

### DDI DOCUMENT ID

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# Sampling

## Sampling Procedure

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The sample for the 2021 KCHS was drawn from the Kenya Household Master Sample Frame (K-HMSF) that was developed based on 2019 Kenya Population and Housing Census (KPHC). The K-HMSF composed of 10,000 clusters selected with Probability Proportional to Size (PPS) from approximately 128,000 Enumeration Areas (EAs) created during the 2019 KPHC. The frame is stratified into 92 sampling strata, that is, urban and rural areas in 45 counties plus Nairobi City and Mombasa counties which were purely urban. The counties form the first level of stratification.

The K-HMSF was designed to have four sub-samples (C1, C2, C3 and C4) each composed of 2,500 clusters, whereby each could serve as independent sample frame. Any two or more sub-samples can be combined whenever a bigger sample size required. The EAs for the 2021 KCHS were drawn from sub-frame (C1).

Two sets of units were sampled, namely; Enumeration Areas (EAs) and households. the units were sampled without replacement and only pre-selected units were visited for interviews. At the time of the household interviews, it was expected that individuals from specific age-groups will be eligible for different modules of the survey. For example, individuals aged 15-64 years were eligible for the labor module while individuals aged 15 and above were targeted for the time use module

## Response Rate

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A total of 24,000 households were sampled for the 2021 KCHS survey into which the time-use module was incorporated. 19,522 of the sampled households were found to be eligible for the survey. A household is considered to be eligible for a survey if it meets the following criteria; household is identified and successfully interviewed; a household is identified but refused to respond; a household is identified but no competent or no respondent is at home during the visits; and if a household is identified, the interview was started and then postponed. Out of the eligible households, 16,945 households participated in the survey and successfully completed the questionnaire resulting to a national household response rate of 86.8 per cent.

The time use module targeted individuals aged 15 years and old. There were 40,764 individuals eligible for the time use survey module from the 16,945 households interviewed. A maximum of two individuals were randomly selected from each household to participate in time use module a Kish Grid was used for their selection. This resulted in the selection of 29,107 individuals to complete this module. From the pre-selected individuals, 24,004 individuals were successfully interviewed, translating to individual response rate of 82.5 per cent.

Several selected dwelling units were found to be ineligible (vacant, destroyed, could not be located, or dwelling no longer a household) as a result of use of a non-updated household list. The household list used as sampling frame was developed during the 2019 Kenya Population and Housing Census (KPHC) enumeration and a lot of time has elapsed resulting in many changes in the EAs. Table 2.2 below presents the household and individual response rates.

# Questionnaires

No content available

## Data Collection

### Data Collection Dates

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Start	End	Cycle
2021	2021	N/A

### Data Collection Mode

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Computer Assisted Personal Interview [capi]

### Data Collectors

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Name	Abbreviation	Affiliation
Kenya National Bureau of Statistics	KNBS	State Department for Economic Planning

### Supervision

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Interviewing was conducted by teams of interviewers. Each interviewing team comprised of interviewers, a supervisor, and a driver. Each team used a 4 wheel drive vehicle to travel from cluster to cluster (and where necessary within cluster).

The role of the supervisor was to coordinator field data collection activities, including management of the field teams, supplies and equipment, finances, maps and listings, coordinate with local authorities concerning the survey plan and make arrangements for travel. 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 server.

## Data Processing

### Data Editing

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Data were downloaded from the central servers and checked against the inventory of expected returns to account for all data collected in the field. SyncCloud was also used to generate field check tables to monitor progress and flag any errors, which were communicated back to the field teams for correction.

Secondary editing was done by members of the central office team, who resolved any errors that were not corrected by field teams during data collection. A CSPro batch editing tool was used for cleaning and tabulation during data analysis.

# Data Appraisal

No content available