

# Kiribati - Household Income and Expenditure Survey 2006

**Kiribati National Statistical Office**

Report generated on: April 7, 2021

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# Overview

## Identification

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### ID NUMBER

SPC\_KIR\_2006\_HIES\_v01\_M\_v01\_A\_PUF

## Version

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### VERSION DESCRIPTION

Version 01: Cleaned, labelled and anonymized version of the Master file.

### PRODUCTION DATE

2008-12-02

### NOTES

Reconstructed dataset from an Access dataset.

## Overview

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### ABSTRACT

The purpose of the Household Income and Expenditure Survey (HIES) survey is to obtain information on the income, consumption pattern, incidence of poverty, and saving propensities for different groups of people in Kiribati. This information will be used to guide policy makers in framing socio-economic developmental policies and in initiating financial measures for improving economic conditions of the people.

Some more specific outputs from the survey are listed below:

- a) To obtain expenditure weights and other useful data for the revision of the consumer price index;
- b) To supplement the data available for use in compiling official estimates of household accounts in the systems of national accounts;
- c) To supply basic data needed for policy making in connection with social and economic planning;
- d) To provide data for assessing the impact on household living conditions of existing or proposed economic and social measures, particularly changes in the structure of household expenditures and in household consumption;
- e) To gather information on poverty lines and incidence of poverty throughout Kiribati.

### KIND OF DATA

Sample survey data [ssd]

### UNITS OF ANALYSIS

Persons, Households, Expenditure items.

## Scope

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### NOTES

-PERSONS: income and employment of individuals, including wage and salaries, self-employment, business activities, education, health.

-HOUSEHOLDS: dwelling characteristics, housing expenditure, household operations, clothing and footwear, education and health expenditure, and food expenditure.

-EXPENDITURE ITEMS: total annual expenditure on commodity and utility items, type of expenditure and type of item.

#### KEYWORDS

Kiribati, HIES, Income, Expenditure, Education, Economic activity, Health

## Coverage

#### GEOGRAPHIC COVERAGE

National Coverage and Regional Island Groups (Northern Gilberts, South Tarawa, Central Gilberts, Southern Gilberts, Line).

There are five main populations of interest for which estimates are required for the 2006 Kiribati HIES: South Tarawa, Northern, Central and Southern Gilbert Islands, and the Line Islands.

#### UNIVERSE

The survey covered all persons resident in private households during the month of October 2006. It excluded persons living in institutions such as dormitories, hospitals, prisons or other institutions. Also excluded from the survey were ex-patriot temporary residents and permanent residents who were not residing (and intending to reside) in Kiribati for at least 12 months.

Income data were collected from persons aged 15 years and over and expenditure data from obtained from all household members at a household level.

## Producers and Sponsors

#### PRIMARY INVESTIGATOR(S)

Name	Affiliation
Kiribati National Statistical Office	Government of Kiribati

#### OTHER PRODUCER(S)

Name	Affiliation	Role
Pacific Community		Technical assistance

#### FUNDING

Name	Abbreviation	Role
Kiribati Ministry Of Finance	Mof	Staffing costs
Asian Development Bank	ADB	Survey Costs

## Metadata Production

#### METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Statistics for Development Division	SDD	Pacific Community	Documentation of the study

#### DATE OF METADATA PRODUCTION

2008-12-02

#### DDI DOCUMENT VERSION

Version 01 (December 2008): First attempt at documenting the Kiribati Household Income and Expenditure Survey of 2006.

Version 02 (July 2019): Review of existing documentation aiming at providing and documenting the datasets. Done by Statistics for Development Division in New Caledonia.

DDI DOCUMENT ID

DDI\_SPC\_KIR\_2006\_HIES\_v01\_M\_v01\_A\_PUF

# Sampling

## Sampling Procedure

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Documentation for Kiribati HIES Sample Selection:

### SAMPLE SIZE:

In determining an appropriate sample size for a survey of this nature, numerous factors come into the equation. These include:

- a) The degree of accuracy required for key estimates
- b) The population size of the country
- c) The manner in which the sample is selected
- d) Cost or staffing constraints which may exist
- e) Whether or not estimates are required for sub-populations
- f) The level of variability in the data being collected

Each of these factors have different magnitudes of importance, but the major priority should always be on selecting a sample big enough to produce results of suitable accuracy. Many of these issues are generally known as well - for instance:

- A user group may pre-specify what level of accuracy they may wish to achieve for the survey
- The population of a country can normally be estimated to a reasonable level of accuracy
- The sample selection technique adopted is known
- Cost and staff constraints are generally known, and
- A user group can once again provide information on whether estimates for sub-populations are required.

The one thing that normally isn't known is the degree of variability in the data being collected - this information comes after the survey. This factor is important because if there is not much variability in the data for key estimates, then the sample size does not need to be as large, and vice versa.

Without this sort of information, determining the appropriate sample size for a survey can often involve a bit of guess work. For that reason, based on previous survey experience in other Pacific Island countries, a sample of 10 per cent was considered more than sufficient for Kiribati. An additional 10 per cent of sample was selected to allow for sample loss.

As a result, a sample size of 1,555 households (10 per cent of 13,999, with a 10 per cent top-up) was considered suitable for the survey.

### Allocation to "Target Areas"

For the Kiribati HIES, five target areas were identified as sub-populations for which estimates would be desirable. These five areas were:

- 1) South Tarawa
- 2) Northern Gilbert
- 3) Central Gilbert
- 4) Southern Gilbert
- 5) Line/Phoenix Islands

Once the sample size of 1,555 had been determined, the next step was determining how the sample should be allocated to each of these target areas in order to produce the required level of accuracy for each area. In order to achieve this, the sample was allocated in such a manner that the expected level of accuracy for each stratum would be similar. The resulting sample allocation can be found in the table below.

### STRATIFICATION:

To achieve better representation within each target group, each target group was further stratified by grouping "like" islands. The plan from there was to select an island from each stratum to represent it. As a result, 11 strata were formed, with each of the 23 populated island/atolls of Kiribati allocated to one of these strata. The resulting strata, and islands which

make them up, can be found in the following table.

The allocation of the sample to stratum within each target group was achieved by simply allocating the sample proportional to the population for that stratum. For example, for the target group Northern Gilbert, an overall sample size of 323 was desirable. To determine how much of that sample would be allocated to the first stratum which consisted of Makin and Butaritari, the following formula was applied:

$$n(\text{Makin \& Butaritari}) = 323 * (889)/(889+1290+867) \\ = 94$$

#### EXCLUDED AREAS:

Although it would be desirable to cover all of Kiribati for this survey, due to cost and time constraints a couple of areas were excluded from the frame before the selections were made. The two areas removed from scope were:

- Banaba
- Kanton

The impact on final estimates is considered to be very small given the small populations on these two islands; 61 households on Banaba, and 9 households on Kanton. This accounts for about 0.5 per cent of the population of Kiribati.

#### SAMPLE SELECTION TECHNIQUE:

##### Selection of Islands:

For the stratum with more than one island, an island had to be selected in order to represent that stratum. The process used for this stage of selection was probability proportional to size (pps) sampling, where the size measure was the number of households on the island.

An example of how this process worked can be found below for the Central Gilbert - Group 2. For this stratum, a random number was selected between 0 and 1,005. Given the random number (254), fell within the cumulative number of households for Abemama, then that island was selected.

##### Selection of Households:

To minimize the travel requirements of interviewers, and thus travel costs, a two stage process was adopted to selected households.

The first stage of the process involved selecting EAs using probability proportional to size (pps) sampling. The required number of EAs to select from each island was simply determined by dividing the number of households to sample on that island by roughly 15, where 15 was the cluster size chosen from each selected EA.

Having selected the EAs in sample, a systematic skip was run through the list of households for each EA to determine which households would be selected in sample. These selections were performed in the NSO, and the lists provided to interviewers in the field. The lists used for this stage of selection were based on the 2005 Population Census, and thus would be out-of-date by a year or so, but given the significant gains in simplifying field logistics, this was the preferred option.

## Response Rate

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The response rate was 85.6% of the total number of households 1,555.

## Weighting

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Sample weights were calculated for each stratum and adjusted for non-response. Weights for the survey were derived using the inverse of the households probability of selection.

# Questionnaires

## Overview

Four questionnaire forms were designed to collect information on household size and composition, personal and household income, major household expenditure, and regular food and household supply expenditures in the diaries. The income and expenditure questionnaires were administered by interview during the survey period, and the diaries were completed by the households over a two-week period. An additional questionnaire was developed and administered to collect detailed information on health facility utilization and access, educational attendance and attainment, and labour force status.

The questionnaires were published in English.

### -HOUSEHOLD CONTROL FORM:

The Household Control Form (HCF) should be filled in during the first visit to the household. Its main objective is to collect basic demographic information about members of the household. Before completing this form however, the interviewer needs to determine if the household is in scope for the survey.

Only those households which have been residing in Kiribati for more than 1 year, or those households who intend to reside in Kiribati for a total of 12 months or more, should complete this form and partake in the survey. These households can be identified by going through section (e) in the field book for interviewers. If the household does not meet these criteria, then the survey is over. In assessing the eligibility of a household to be in the survey, use some common sense - there will be many occasions when it will be clear that the household has always lived in Kiribati, so don't bother asking these questions.

Once this issue has been addressed, the HCF can be filled in for the household. The HCF form is to record names of all the usual members of the household. Information on relationship to head of household, sex, date of birth and ethnicity are asked of all members in the household. For persons aged 15 and over, questions on marital status, educational attainment, activity status, literacy status and internet usage are also asked. Codes should be used to complete these questions, and they can be found in the interviewer's field book in section (a). You must enter the code for these questions.

### -EXPENDITURE QUESTIONNAIRE:

The purpose of this questionnaire is to record household expenditure that is not included in the diary. There are some big purchases that the household may only make once or twice a year. Also the household may make regular payments, which may not be done during the survey period, and we would need to know such payments to produce good and complete estimates.

There are 15 sections in the Expenditure Questionnaire which relate to the following:

1. Dwelling characteristics
1. Dwelling tenure
2. Mortgages and loans for purchase of dwellings
3. Insurance policies
4. Construction of new dwellings
5. Major home improvement
6. Household operations
7. Transportation
8. Overseas and domestic travel
9. Education, recreation, sport and culture
10. Loans
11. Contribution to benefit schemes
12. Medical and health services
13. Miscellaneous payments
14. Agricultural assets

Detailed instructions for each section are not provided here as they can be found in the questionnaire itself on the left hand side of the booklet.

### -INCOME QUESTIONNAIRE:

This questionnaire is to record the household's total income received or earned in the last 12 months. Information will be collected for all usual members of the household who are 15 years and over. Visitors are not to include their income earned

in this section.

There are 7 sections in the Income Questionnaire which relate to the following:

1. Working for wage and/or salary
2. Agriculture, livestock, fishing and other sales
3. Other self employed and business operations
4. Previous jobs held in the last 12 months
5. Services provided to other private households
6. Welfare benefits/allowances
7. Other income, including remittances

Detailed instructions for each section are not provided here as they can be found in the questionnaire itself on the left hand side of the booklet.

**-WEEKLY DIARY:**

For each household observed, there will be two books, one for the first week and one for the second week. This is to keep a record of all daily expenditure for the 14 days. Interviewers have to make sure that these diaries are being kept for each day. Instructions on how to use the diary have been written on the front pages of these diaries.

In normal circumstances, the head of household organises the household activity. In some households this may not be the case - some members of that particular household may not be seeking the authority of the head when some expenditure is encountered. This situation may result in not recording all expenditure in the diary. The interviewer should discuss the matter with the head of the household to ensure that each member's expenditure is recorded in the household diary. If a member of the household does not co-operate with the head of the household he/she may be allocated a separate diary. That member of the household should be explained the full responsibility of recording the diary.

There are 4 main sections making up each weekly diary:

- 1) Items bought
- 2) Consumption of home produced commodities
- 3) Gifts of cash or goods
- 4) Winnings from gambling.

# Data Collection

## Data Collection Dates

Start	End	Cycle
2006-10-02	2006-11-14	N/A

## Data Collection Mode

Face-to-face [f2f]

## Data Collection Notes

### -FIELD WORK:

The survey was conducted over a 6 week period beginning on 2 October and finishing on 14 November 2006. The National Statistics Office recruited and trained 12 supervisors and x interviewers to conduct the survey in the 11 selected islands. Over the survey period each interviewer completed two workloads (around 30 households). The lack of air transportation to the outer islands during the survey period delayed the planned start date of the enumeration and also hindered the return of survey forms to the statistics office for processing.

The field activities are the most important stage of the survey. The identification of the households and the arrangement of the visiting periods are important to ensure that the objectives of the survey are met and that errors which occur in the field, can be corrected and handled without further cost. Each household will be observed for a period of 2 weeks and questions will be asked of their expenditure and income for the last 12 months.

Interviewing households on Sundays are discouraged and also Saturdays if the household members are Seventh Day Adventists.

A calendar of activity has been included in the two field books.

### -IDENTIFYING SELECTED HOUSEHOLDS:

The first task an interviewer needs to undertake for each workload is to familiarise themselves with the households selected in the workload. Quite often the interviewer will know the household in advance, before even visiting the location, so these households will be straight forward. For the remaining households, of which there will be few, the interviewer may be required to ask assistance from people in the area to help assist finding the right household.

It is very important to go to the households that have been selected in the survey for you to enumerate, and thus not change any of these selections. If you are having trouble locating any household, you can always call on the assistance of both your supervisor and the NSO. This should be done as early as possible in the process to give time to the supervisor/NSO to provide the required assistance.

### -THE 3-WEEK CYCLE:

Each interviewer will be responsible for interviewing 24 - 32 households during the 6 week period. This will comprise of 2 workloads of 12 - 16 households each. Addressing each workload will take about 3 weeks in total. The procedure an interviewer should follow during this 3 week period is as follows:

Week 1: Travel around the selected area and identify the location of the households for that workload. Invite the selected households to an information session (providing refreshments), and provide information about what the survey is aiming to achieve. Make sure all households have their first 1-week diary and conduct the Household Control Form for each household if time permits.

Week 2-3: Visit every selected household each day if possible and assist with filling out the diary. Conduct the expenditure and income questionnaires for each selected household at any stage throughout the 2 week period - the earlier the better.

The day after the 3rd week, the interviewer should make sure all information is accounted for and returned to the supervisor.

This 3 week cycle should occur 2 times over the 6 week period.

### -THE INFORMATION SESSIONS:

The information sessions for each household are an extremely important part of the survey fieldwork. It will be during these sessions that households will be explained the importance of the survey, and encouraged to participate fully in the survey. If

these information sessions don't work effectively, they could have major implications on the response rates for the survey, and hence the final results.

It will be the responsibility of the interviewer to visit each selected household in the first day or two of week 1, and advise them about the information session - when it will be held, and where. The household head should be encouraged to attend the session, but if they are not available, another responsible adult can take their place. The interviewer, with assistance from the supervisor, will be responsible for identifying suitable venues, and providing refreshments.

Every effort must be made to explain the importance of the survey to the households during these sessions. The sort of basic information which should be provided includes:

- What the survey objectives are
- The strict confidentiality aspects of the survey
- The importance of each household's co-operation to the success of the survey

Time should also be allocated to answer any questions the households may have about the survey.

During these sessions, the first 1-week diary can be handed out to the households. If for some reason, a member of a selected household can not attend the session then the interviewer must make sure they visit that household before the start of the second week and drop off the first week diary.

#### -VISITS DURING WEEKS 2 and 3:

During the middle 2 weeks of the 3 week cycle, households are required to fill in the two 1-week diaries they are provided with. It is also during this period that each of the main questionnaires needs to be filled in:

- i) Expenditure questionnaire
- ii) Income questionnaire

These are quite long questionnaires, so don't leave this work until the end of this two week period, as it won't get completed on time. Also during the two week period, the interviewer must visit each selected household as many times as possible to check on the progress of the diary.

#### -THE FINAL VISIT:

The day after the 3rd week is finished, the interviewer must make their final visit to the household to collect the last diary and any other survey material still with the household. It is during this visit that the interviewer must ensure that all survey material for that household has been completed correctly. This includes:

- i) Household Control Form
- ii) Expenditure Questionnaire
- iii) Income Questionnaire
- iv) Diary (x 2)
- v) Envelope covers (back and front)

It will be more difficult to go back and visit households after the fieldwork is complete, so it is very important that checking of final materials is done either before or during this final visit to resolve any problems.

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- 4) Winnings from gambling.

## Data Collectors

Name	Abbreviation	Affiliation
Kiribati National Statistics Office	KNSO	Government of Kiribati

## Supervision

### Responsibilities and Functions of the Supervisor

To supervise in accordance with the directions of the Statistics Office staff, the completion of the HIES 2006 for all selections, specifically to:

- a) With assistance from the Island Council, undertake the recruitment of interviewers on their respective islands;
- b) Ensure that all schedules and materials are distributed to interviewers according to the instructions of the NSO staff;
- c) Ensure that the interviewers understand which household he/she is responsible for and that none are left out;
- d) With assistance from the interviewer, conduct information sessions for selected households prior to collecting information from those households;
- e) Visit interviewers regularly during the collection phase to make sure they are carrying out their responsibilities correctly;
- f) Make sure all forms from the interviewers are accounted for at the end of each 3 week period;
- g) Do spot checks for completeness of questionnaires and deal with any problems that might arise in the field;
- h) Dispatch all completed questionnaires (in sealed envelopes) to the NSO after he/she is fully satisfied that
- (i) All the entries of the questionnaires are properly completed.

The National Statistics Office recruited and trained 12 supervisors. The completed survey forms were processed by staff of the National Statistics Office who recorded their receipt from the supervisors and checked the questionnaires for completeness.

# Data Processing

## Data Editing

The completed survey forms were processed by staff of the National Statistics Office who recorded their receipt from the supervisors and checked the questionnaires for completeness. The status of incomplete questionnaires was recorded as either out of scope, vacant dwelling, unable to be contacted, and refused to respond. The completed questionnaires were entered into a data entry system (CSpro) and after editing and imputation, the data was loaded into a database (MSAccess) and tabulated using Excel pivot tables.

There are five types of checks performed: Structural check, Verification check, Consistency check, Macro Editing check, Data Quality assessment

Edit lists have been produced for health module, income and expenditure questionnaire which need to be checked against the questionnaires.

On the edit list correct the error by crossing out the incorrect or missing value and enter the correct value in red.

Missing amounts that are also missing on the questionnaire will need to be estimated using estimates from questionnaires in the same EA batch.

For the diaries, concatenate the batch files for each province and export to tab delimited files. Import into Excel and calculate unit price for each item using quantities and weights where possible.

Filter records for each item code and check for outlier unit price values (both large and small values as well as missing values). Missing amounts will need to be estimated using average prices from the items within the same EA.

## Other Processing

The completed questionnaires were entered into the CSPro data entry system.

### HIES DATA PROCESSING:

#### 1. Application Files

The data entry applications have been developed with CSPro 3.1. There are 3 separate data entry applications corresponding to the different HIES questionnaires:

- a. HIES 2006: (HCF + Income +Expenditure)
- b. HIES 2006 Diary: (Household diary)
- c. HIES 2006 HELF: (Health, Education, Labour Force)

Each application comprises three modules: a data dictionary, a forms file, and an application file. The data dictionary specifies all records and fields in the data file as well as the value ranges. The forms file specifies the layout and order of the data entry forms. The application file specifies the editing logic, including skips, lookup lists, nil and large values, and consistency checks.

The applications are stored on the data entry PCs in the folder: c:\HIES\Data Entry. The applications are selected via the HIES .pff icon on each PC. Each PC will have a different icon depending on the type of questionnaire being processed.

#### 2. Data Files

Before data entry the default data file is replaced with the filename of the current batch, where each EA is a batch. Use the following filename templates 'QQisea.dat' where QQ = questionnaire type, is = Island code, ea = EA.number.

The batch data files are stored on the data server in the folder V:\HIES data files\data. Each questionnaire type is stored in a separate sub-folder: ./IE, ./DY, ./HE. A back up of this folder should be made on a daily basis and the files stored in .\backup\data folder.

#### 3. Coding Operations

The HIES field staff are responsible for the coding of the household diaries which need to be coded according to the item code list. The coding of the diaries need to be completed for each batch before sending to the data entry operators. For missing amounts for expenditure items listed in the diaries an estimate needs to be made of the costs of item. Refer to other diaries in the batch to estimate the local cost of the item. Enter the estimated cost in red pen.

For large expenditure items listed in the diaries a check should be made to ensure that the items are captured in the expenditure questionnaire. If not they should be added.

As the other questionnaires are mostly pre-coded, the data entry supervisor will code the income and expenditure questionnaires (especially for occupation & industry).

The data entry supervisor separates the batches into the three questionnaire types for data entry, and then returns them to their original envelopes for storage after the structural checks have been performed.

#### 4. Data Entry operations

The data entry supervisor is responsible for ensuring the data is entered into the system according to the instructions in the HIES data entry manual. The data entry operators will be trained by the supervisor to follow the data entry procedures, including the re-checking of entered data. The operators are supervised during data entry operations and issues raised by them dealt with by the supervisor promptly.

As there more than 500 households to be processed over a period of two months, each operator is to complete a minimum of 10 households per day. Each batch should be completed before the operator takes a tea/lunch break or finishes for the day. The supervisor should monitor the work of the operators and take action to ensure the timetable is maintained.

To assess the level of accuracy during data entry, every tenth batch should be verified by re-entering the batch again preferably by a different operator. The batch should be named with a .ver suffix to distinguish it from the original file. The original and verified batches should be compared and a mismatch statistic produced and recorded.

#### 5. Data Verification operations

For each batch, the supervisor performs a structural check by reviewing the file tree to ensure that all questionnaires have been entered and checked off on the household listing. If the numbers of households on the listing disagree with numbers entered, then the differences are resolved by either adding/deleting households from the system or amending the household listing.

If commodity items are not found in the item codes listing then the supervisor adds the code and description to the itemcodes.dat file by accessing the "itemcodes.ent" application on the data entry and master PCs. Any false errors should be reported to the developer for amendment.

#### 6. Data Editing operations

After each batch is completed the supervisor should check that all person details have been entered from the household listing form (HCF) and should review the income and expenditure questionnaires for each batch ensuring that all items have been entered correctly. Any omitted or incorrect items should be entered into the system.

The supervisor is required to perform outlier checks (large or small values) on the batched diary data by calculating unit price (amount/quantity) and comparing prices for each item. This is to be conducted by loading the data into Excel files and sorting data by unit price for each item. Any changes to prices or quantities will be made on the Excel file.

#### 7. Data Auditing operations

A list of all EAs should be maintained by the data entry supervisor and checked off once all households in the EA have been entered. The list should contain information on the number of households entered by EA. Any missing or incomplete questionnaires should be recorded. The number of entered households in each EA should be reconciled with the field listing.

If there are missing questionnaires or incomplete responses an attempt should be made to contact the field supervisor to obtain the questionnaires or responses. Also any problems raised during the data entry operations should be referred to the field supervisor if the responses are considered to be incorrect or invalid.

#### 8. Data Management procedures

Once the batch has been entered, verified and audited, the data file should be stored on the server in the HIES data files folder under the sub-folder './Final Data'. Each batch should be stored in the appropriate sub-folder i.e. IE, DY, HE. This data should also be backed up in the ./backup/final data folder and a copy made on a CD on a weekly basis.

After data entry is completed, check that all batch files have been entered and are present in the /Final Data folder. There should be exactly 101 data files in each subfolder that conform to the standard naming convention. If any files are missing or duplicated, resolve the issue by either re-entering the missing batch or deleting the duplicate data file.

# Data Appraisal

## Estimates of Sampling Error

The quality of data obtained through a household survey is subject to both sampling and nonsampling error. Both types of error can be assessed using statistical measures and the level of error reported in a data quality evaluation. It should be noted that the analysis of the data contained in this report is based on a sample of households and therefore the estimates produced are subject to sampling error. It is anticipated that the relative standard error for the key estimates of total household income and expenditure will be less than five percent, which is the level at which the estimates are considered to be reliable.

Standard errors for the key estimates will be calculated and included in the final report (provided as External Resource). A total of 1161 households out of 1546 selected fully responded to the survey, representing an overall response rate of 75 percent. Of the non-responding households, 8.2% refused to respond to questions, 5.3% were not able to be contacted, 9.1% were vacant dwellings, and 2.3% were out of scope for the survey. Lower response rates (less than 70%) were obtained from Nonouti, North and South Tarawa than in the other surveyed islands. However, the response rate for each island group (apart from South Tarawa) was above the total response rate of 75%, indicating a very good level of response. Table 1.2 shows the number and percentage of responding households by island.

## Other forms of Data Appraisal

A data audit was completed - refer to the "Final Report - Kiribati 2006 HIES" in the External Resources.

## File Description

## Variable List

**SPC\_KIR\_2006\_HIES\_Cover\_v01\_PUF**

Content	This file is the Cover dataset of the 2006 Kiribati HIES. It contains the information collected using the cover page of the Household Control Form questionnaire.
Cases	1161
Variable(s)	9
Structure	Type: relational Keys: anon_hhid(anonymized household ID)
Version	Version 01: Cleaned, labelled and anonymized version of the Master file.
Producer	Kiribati National Statistics Office.
Missing Data	

**Variables**

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V312	anon_hhid	anonymized household ID	contin	numeric	
V313	anon_island	anonymized island code	discrete	numeric	
V314	anon_village	anonymized village code	discrete	numeric	
V315	anon_ea	anonymized enumeration area	contin	numeric	
V316	group	island group	discrete	numeric	
V317	totpersons	hhsz	discrete	numeric	
V318	weight	hhweight	discrete	numeric	
V319	quintile	income quintile	discrete	numeric	
V320	urb_rur	urban rural	discrete	numeric	

**SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF**

Content	This file is the Household dataset of the 2006 Kiribati HIES. It contains the information collected using the Expenditure questionnaire.
Cases	1161
Variable(s)	44
Structure	Type: relational Keys: anon_hhid(anonymized unique household id)
Version	Version 01: Cleaned, labelled and anonymized version of the Master file.
Producer	Kiribati National Statistics Office.
Missing Data	

**Variables**

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V205	anon_island	anonymized island code	discrete	numeric	
V206	anon_village	anonymized village code	discrete	numeric	
V207	anon_ea	anonymized enumeration area	contin	numeric	
V208	group	island group	discrete	numeric	
V209	totpersons	household size	discrete	numeric	
V211	anon_hhid	anonymized unique household id	contin	numeric	
V212	weight	hhweight	contin	numeric	
V213	h21a_ymoved	year move in house	contin	numeric	In what year did you move into this house?
V214	h21b_livedhere	alwayslived here	discrete	numeric	In what year did you move into this house? Always lived here
V215	h22_tenure	occupation tenure status	discrete	numeric	Does your household:
V216	h27_rentfrom	rent from	discrete	numeric	Who are you renting this household from?
V217	h01_roofing	roof materials	discrete	numeric	What is the main material used for the roof?
V218	h02_walls	wall materials	discrete	numeric	What is the main material used for the outer walls?
V219	h03_floors	floor materials	discrete	numeric	What is the main material used for the floors?
V220	h04_mainhouse	type of house	discrete	numeric	What type of house (main house) is this?
V221	h05_rooms	nb of rooms	discrete	numeric	How many separate rooms does your household occupy, including the kitchen?
V222	h06_yconstruct	year of construction	contin	numeric	When was this building constructed? Please provide best guess if possible
V223	h07_kitchen	kitchen status	discrete	numeric	Do you have a separate kitchen or kitchenette?
V224	h08_cooking	cooking	discrete	numeric	How do you usually do your cooking?
V225	h09_lighting	lighting	discrete	numeric	What type of lighting do you usually have?
V226	h10_watersource	source of drinkig/cooking water	discrete	numeric	What is the main source of drinking & cooking water your household uses?
V227	h11a_travelwater	travel for water	discrete	numeric	Do you have to travel for water:

V228	h11b_minutes	time to water (mn)	contin	numeric	Do you have to travel for water: how long does it take to get to the water source?
V229	h11c_trips	nb of trips	discrete	numeric	Do you have to travel for water: how many trips are usually made per day?
V230	h12_toiletfacility	toilet facility	discrete	numeric	What is the main type of toilet facility your household usually use?
V231	h13_internet	access internet at home	discrete	numeric	Do the members of this household have access to the internet at home?
V232	h151_farming	involved in crops or livestock	discrete	numeric	Does any member of your household grow any crops or raise any livestock?
V233	h152a_nb_pigs	nb of pigs	contin	numeric	How many (animal name) are owned by the members of this household? Pigs
V234	h152b_nb_chicken	nb of chicken	contin	numeric	How many (animal name) are owned by the members of this household? Chicken
V235	h152c_nb_other	nb other livestock	contin	numeric	How many (animal name) are owned by the members of this household? Other
V236	h153a_tapioka	grow tapioca	discrete	numeric	What types of crops are grown by the members of this household? Tapioca
V237	h153b_babai	grow babai	discrete	numeric	What types of crops are grown by the members of this household? Babai
V238	h153c_coconut	grow coconut	discrete	numeric	What types of crops are grown by the members of this household? Coconut
V239	h153d_melon	grow melon	discrete	numeric	What types of crops are grown by the members of this household? Melon
V240	h153e_tenon	grow tenon	discrete	numeric	What types of crops are grown by the members of this household? Noni
V241	h153f_other_crop	grow other crop	discrete	numeric	What types of crops are grown by the members of this household? Other 1
V242	h153g_other_crop2	grow other crop2	discrete	numeric	What types of crops are grown by the members of this household? Other 2
V243	h110_health_facility	type of health facility available	discrete	numeric	What kind of health facility is most accessible in your community?
V244	h111_distance	distance to health facility	discrete	numeric	What is the distance to this nearest facility?
V245	h112_transport	mode of transport to health facility	discrete	numeric	How do you usually get to the nearest facility?
V246	h113a_minute	time to health fac. (mn)	contin	numeric	What is the average time taken to reach the health facility? Minutes
V247	h113b_hour	time to health fac. (hr)	contin	numeric	What is the average time taken to reach the health facility? Hours
V248	quintile	income quintile	discrete	numeric	
V249	urb_rur	urban rural	discrete	numeric	

**SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF**

Content	This file is the Person dataset of the 2006 Kiribati HIES. It contains the information collected using the cover page of the Household Control Form questionnaire.
Cases	6725
Variable(s)	47
Structure	Type: relational Keys: anon_hhid(anonymized unique household id), indid(household member id)
Version	Version 01: Cleaned, labelled and anonymized version of the Master file.
Producer	Kiribati National Statistics Office.
Missing Data	

**Variables**

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V263	anon_island	anonymized island code	discrete	numeric	
V264	anon_village	anonymized village code	discrete	numeric	
V265	anon_ea	anonymized enumeration area	contin	numeric	
V266	group	island group	discrete	numeric	
V267	totpersons	household size	discrete	numeric	
V269	anon_hhid	anonymized unique household id	contin	numeric	
V270	indid	household member id	discrete	numeric	
V271	weight	hhweight	contin	numeric	
V272	d02_rel	relationship to the hh head	discrete	numeric	Relationship to HHold head
V273	d03_sex	sex	discrete	numeric	Sex
V274	d07_age	age	contin	numeric	Age last birthday
V275	d08_ethnicity	ethnicity	discrete	numeric	Ethnicity
V276	d09_mstatus	marital status	discrete	numeric	Marital status
V277	d10_attainment	education status	discrete	numeric	Educ attain
V278	d11_activity	activity status	discrete	numeric	Activity status
V279	d12_literacy	literacy status	discrete	numeric	Literacy status
V280	d13_internet	internet usage	discrete	numeric	Internet usage
V281	health1	health prob - past 3 months	discrete	numeric	Did any member of this household have a health problem in the last 3 months
V282	health2	seek help	discrete	numeric	Did they get help or care for the health problem?
V283	health3	location of help	discrete	numeric	Where did they go to get help for the health problem?
V284	health4	why not health facility	discrete	numeric	If they got help but did not use a health facility, what was the main reason?
V285	health5	diagnosed help problem	discrete	numeric	What was the diagnosed health problem?
V286	health6	reason for not seeking care	discrete	numeric	If they did not seek care for the health problem what was the main reason?
V287	health7	duration of sickness	discrete	numeric	How long were they sick?

V288	health8	prevent from undertaking activities	discrete	numeric	Did this health condition prevent them from undertaking their usual activities?
V289	health9	result in loss of earnings	contin	numeric	If currently working, did this health condition result in a loss of earnings?
V290	educ1	currently attending school	discrete	numeric	Are you currently attending school or educational institution?
V291	educ2	current level of school	discrete	numeric	What level of school are you currently in?
V292	educ3	distance to school	discrete	numeric	What is the estimated distance to get to school?
V293	educ4	estimated time to school	discrete	numeric	What is the estimated time it takes to get to school?
V294	educ5	mode of school transport	discrete	numeric	What is your main mode of travelling to school?
V295	educ6	hours in school per week	contin	numeric	How many hours each week do you attend at school?
V296	educ7	sometimes miss school	discrete	numeric	Do you sometimes miss school which you should be attending?
V297	educ8	reason for missing school	discrete	numeric	What is the main reason for missing school?
V298	educ9	reason for not attending school	discrete	numeric	Why are you not currently attending school?
V299	lf2	current work status	discrete	numeric	What is your current work status?
V300	lf3	work past 7 days	discrete	numeric	Did you do any work in the last 7 days?
V301	lf4	reason for not working	discrete	numeric	What is the main reason that you do not work?
V302	lf5	reason for not working past 7 days	discrete	numeric	What is the main reason you did not work in the last 7 days?
V303	anon_if6	anonymized occupation	discrete	numeric	What is your occupation?
V304	lf7	position at work	discrete	numeric	What is your position at work
V305	anon_if8	anonymized industry	discrete	numeric	What does the organisation that you work for do? Or what kind of business do you have?
V306	lf9	nb of working days - past 7 days	discrete	numeric	How many days out of the last 7 did you spend doing this job?
V307	lf10	work in agri/fishing - past 7 days	discrete	numeric	Have you worked in the food garden or been fishing in the last 7 days?
V308	lf11	subsistence work - past 7 days	discrete	numeric	Have you worked in the subsistence in the last 7 days?
V309	quintile	income quintile	discrete	numeric	
V310	urb_rur	urban rural	discrete	numeric	

**SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF**

Content	This file is the Expenditure dataset of the 2006 Kiribati HIES. It contains the information collected using the Expenditure questionnaire.
Cases	30498
Variable(s)	19
Structure	Type: relational Keys: anon_hhid(anonymized unique household id), item_code(commodity code 5 digits), section(cash or home prod)
Version	Version 01: Cleaned, labelled and anonymized version of the Master file.
Producer	Kiribati National Statistics Office.
Missing Data	

**Variables**

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V185	anon_island	anonymized island code	discrete	numeric	
V186	anon_village	anonymized village code	discrete	numeric	
V187	anon_ea	anonymized enumeration area	contin	numeric	
V188	group	island group	discrete	numeric	
V189	totpersons	household size	discrete	numeric	
V191	anon_hhid	anonymized unique household id	contin	numeric	
V192	weight	hh weight	contin	numeric	
V193	item_code	commodity code 5 digits	contin	numeric	
V194	amount	annual amount	contin	numeric	
V195	section	cash or home prod	discrete	numeric	
V196	item_label	Item	discrete	character	
V197	category_code	3 digits category	contin	numeric	
V198	category_label	Category	discrete	character	
V199	division_code_2	division code 2	discrete	numeric	
V200	division_label_2	division label 2	discrete	character	
V201	division_code_1	division code 1	discrete	numeric	
V202	division_label_1	division code 1	discrete	character	
V203	quintile	income quintile	discrete	numeric	
V204	urb_rur	urban rural	discrete	numeric	

**SPC\_KIR\_2006\_HIES\_Income\_v01\_PUF**

Content	This file is the Income dataset of the 2006 Kiribati HIES. It contains the information collected using the Income questionnaire.
Cases	5922
Variable(s)	12
Structure	Type: relational Keys: anon_hhid(anonymized unique household id), income_code(income code 5digits)
Version	Version 01: Cleaned, labelled and anonymized version of the Master file.
Producer	Kiribati National Statistics Office.
Missing Data	

**Variables**

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V250	anon_island	anonymized island code	discrete	numeric	
V251	anon_village	anonymized village code	discrete	numeric	
V252	anon_ea	anonymized enumeration area	contin	numeric	
V253	group	island group	discrete	numeric	
V254	totpersons	household size	discrete	numeric	
V256	anon_hhid	anonymized unique household id	contin	numeric	
V257	weight	hhweight	contin	numeric	
V258	income_code	income code 5digits	contin	numeric	
V259	income_desc	description of income code	discrete	character	
V260	amount	annual amount	contin	numeric	
V261	quintile	income quintile	discrete	numeric	
V262	urb_rur	urban rural	discrete	numeric	



## anonymized household ID (anon\_hhid)

File: SPC\_KIR\_2006\_HIES\_Cover\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 4	
Decimals: 0	
Range: 1-1161	

## anonymized island code (anon\_island)

File: SPC\_KIR\_2006\_HIES\_Cover\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 11
Range: 1-11	

## anonymized village code (anon\_village)

File: SPC\_KIR\_2006\_HIES\_Cover\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 17
Range: 1-17	

## anonymized enumeration area (anon\_ea)

File: SPC\_KIR\_2006\_HIES\_Cover\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 34
Range: 1-34	

## island group (group)

File: SPC\_KIR\_2006\_HIES\_Cover\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 5
Range: 1-5	

## hhszize (totpersons)

File: SPC\_KIR\_2006\_HIES\_Cover\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 10
Range: 1-20	

## hhweight (weight)

File: SPC\_KIR\_2006\_HIES\_Cover\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 7	
Decimals: 0	
Range: 4.9167-47.6818	

## income quintile (quintile)

File: SPC\_KIR\_2006\_HIES\_Cover\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 5
Range: 1-5	

## urban rural (urb\_rur)

File: SPC\_KIR\_2006\_HIES\_Cover\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

## anonymized island code (anon\_island)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 1-11	

## anonymized village code (anon\_village)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 1-17	

## anonymized enumeration area (anon\_ea)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 1-34	

## island group (group)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 1	
Decimals: 0	
Range: 1-5	

## household size (totpersons)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 10
Range: 1-10	Mean: 5.6

## anonymized unique household id (anon\_hhid)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 4	
Decimals: 0	
Range: 1-1161	

## hhweight (weight)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 7	
Decimals: 0	
Range: 4.9167-47.6818	

## year move in house (h21a\_ymoved)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 1126
Format: numeric	Invalid: 35
Width: 4	Minimum: 1
Decimals: 0	Maximum: 9
Range: 0-9999	Mean: 3.6

**Literal question**

In what year did you move into this house?

## alwayslived here (h21b\_livedhere)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 846
Format: numeric	Invalid: 315
Width: 1	Minimum: 1
Decimals: 0	Maximum: 1
Range: 1-1	

**Literal question**

In what year did you move into this house?

Always lived here

## occupation tenure status (h22\_tenure)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

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

Valid cases: 1161  
 Invalid: 0  
 Minimum: 1  
 Maximum: 5

**Literal question**

Does your household:

**Post question**

If answer 1, skip to question 2.3.  
 If answer 2 and 3, skip to question 2.6.  
 If answer is 4 and 5, skip to question 2.8.

**Interviewer instructions**

A rented dwelling is one that is not owned by the household, and for which regular payments are made by the household to the owner.

A rent-free dwelling is one that is owned by friends or relatives and that the household does not pay for.

A dwelling with a loan repayment or mortgage is one purchased by the household with a loan or mortgage which is being paid off.

A dwelling that is owned outright is one free of loan or mortgage and is lived in by the household.

rent from (h27\_rentfrom)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-9

Valid cases: 342  
 Invalid: 819  
 Minimum: 1  
 Maximum: 9

**Literal question**

Who are you renting this household from?

roof materials (h01\_roofing)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

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

Valid cases: 1161  
 Invalid: 0  
 Minimum: 1  
 Maximum: 5

**Literal question**

What is the main material used for the roof?

**Interviewer instructions**

If the roof is made of a combination of materials, tick the material that is most used.

wall materials (h02\_walls)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-6

Valid cases: 1161  
 Invalid: 0  
 Minimum: 1  
 Maximum: 6

**Literal question**

What is the main material used for the outer walls?

#### Interviewer instructions

If the walls are made of a combination of materials, tick the material that is most used.

### floor materials (h03\_floors)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 5
Range: 1-5	

#### Literal question

What is the main material used for the floors?

### type of house (h04\_mainhouse)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 6
Range: 1-7	

#### Literal question

What type of house (main house) is this?

### nb of rooms (h05\_rooms)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 6
Range: 1-9	Mean: 2.9

#### Literal question

How many separate rooms does your household occupy, including the kitchen?

### year of construction (h06\_yconstruct)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

Type: Continuous	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 4	Minimum: 1
Decimals: 0	Maximum: 9
Range: 1900-9999	Mean: 3.8

#### Literal question

When was this building constructed? Please provide best guess if possible

#### Interviewer instructions

If the building was constructed a long time ago, we only need a rough estimate as to when the building was constructed.

## kitchen status (h07\_kitchen)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

### Overview

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 9
Range: 1-9	

### Literal question

Do you have a separate kitchen or kitchenette?

## cooking (h08\_cooking)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

### Overview

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 4
Range: 1-9	

### Literal question

How do you usually do your cooking?

### Interviewer instructions

If the household uses more than one type of cooking technique, tick the main one only.

## lighting (h09\_lighting)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

### Overview

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 7
Range: 1-7	

### Literal question

What type of lighting do you usually have?

### Interviewer instructions

If the household uses more than one type of lighting, then tick the type used the most often.

## source of drinkig/cooking water (h10\_watersource)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

### Overview

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 6
Range: 1-8	

### Literal question

What is the main source of drinking & cooking water your household uses?

#### Interviewer instructions

This question targets the main source of drinking & cooking water for the household. If a household obtains its water from more than one source then tick the source that is used the most often.

travel for water (h11a\_travelwater)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 1155
Format: numeric	Invalid: 6
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 0-2	

#### Literal question

Do you have to travel for water:

#### Interviewer instructions

This question should only be asked of households who have to travel a significant distance for its main source of water.

If a boat is used to get to the water source than record how long it takes to get there by boat.

If a trip is made every second day on average, then record the answer as ½.

time to water (mn) (h11b\_minutes)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

Type: Continuous	Valid cases: 141
Format: numeric	Invalid: 1020
Width: 2	Minimum: 1
Decimals: 0	Maximum: 3
Range: 0-60	Mean: 1.3

#### Literal question

Do you have to travel for water:

how long does it take to get to the water source?

nb of trips (h11c\_trips)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 96
Format: numeric	Invalid: 1065
Width: 1	Minimum: 1
Decimals: 0	Maximum: 3
Range: 0-9	Mean: 1.3

#### Literal question

Do you have to travel for water:

how many trips are usually made per day?

toilet facility (h12\_toiletfacility)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

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

Valid cases: 1159  
 Invalid: 2  
 Minimum: 1  
 Maximum: 7

### Literal question

What is the main type of toilet facility your household usually use?

access internet at home (h13\_internet)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

### Overview

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

Valid cases: 1156  
 Invalid: 5  
 Minimum: 1  
 Maximum: 2

### Literal question

Do the members of this household have access to the internet at home?

involved in crops or livestock (h151\_farming)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

### Overview

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

Valid cases: 1151  
 Invalid: 10  
 Minimum: 1  
 Maximum: 2

### Literal question

Does any member of your household grow any crops or raise any livestock?

### Post question

If answer is "No" (2), end of questionnaire.

nb of pigs (h152a\_nb\_pigs)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

### Overview

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-54

Valid cases: 1161  
 Invalid: 0  
 Minimum: 0  
 Maximum: 3  
 Mean: 1.2

### Literal question

How many (animal name) are owned by the members of this household?  
 Pigs

### Interviewer instructions

- If an exact answer cannot be provided, ask the household for a best guess estimate.
- If the livestock is shared with another household, only include an estimate of livestock owned by this household.

## nb of chicken (h152b\_nb\_chicken)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 2	Minimum: 0
Decimals: 0	Maximum: 9
Range: 0-99	Mean: 1

**Literal question**

How many (animal name) are owned by the members of this household?

Chicken

**Interviewer instructions**

- If an exact answer cannot be provided, ask the household for a best guess estimate.
- If the livestock is shared with another household, only include an estimate of livestock owned by this household.

## nb other livestock (h152c\_nb\_other)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 2	Minimum: 0
Decimals: 0	Maximum: 99
Range: 0-99	Mean: 2.6

**Literal question**

How many (animal name) are owned by the members of this household?

Other

**Interviewer instructions**

- If an exact answer cannot be provided, ask the household for a best guess estimate.
- If the livestock is shared with another household, only include an estimate of livestock owned by this household.

## grow tapioca (h153a\_tapioka)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1160
Format: numeric	Invalid: 1
Width: 1	Minimum: 0
Decimals: 0	Maximum: 1
Range: 0-9	

**Literal question**

What types of crops are grown by the members of this household?

Tapioca

## grow babai (h153b\_babai)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

**Overview**

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

Valid cases: 1161  
 Invalid: 0  
 Minimum: 0  
 Maximum: 2

#### Literal question

What types of crops are grown by the members of this household?  
 Babai

grow coconut (h153c\_coconut)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

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

Valid cases: 1161  
 Invalid: 0  
 Minimum: 0  
 Maximum: 3

#### Literal question

What types of crops are grown by the members of this household?  
 Coconut

grow melon (h153d\_melon)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

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

Valid cases: 1160  
 Invalid: 1  
 Minimum: 0  
 Maximum: 4

#### Literal question

What types of crops are grown by the members of this household?  
 Melon

grow tenon (h153e\_tenon)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

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

Valid cases: 1161  
 Invalid: 0  
 Minimum: 0  
 Maximum: 5

#### Literal question

What types of crops are grown by the members of this household?  
 Noni

grow other crop (h153f\_other\_crop)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-9

Valid cases: 1161  
 Invalid: 0  
 Minimum: 0  
 Maximum: 9

#### Literal question

What types of crops are grown by the members of this household?  
 Other 1

grow other crop2 (h153g\_other\_crop2)  
 File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-99

Valid cases: 1161  
 Invalid: 0  
 Minimum: 0  
 Maximum: 99

#### Literal question

What types of crops are grown by the members of this household?  
 Other 2

type of health facility available (h110\_health\_facility)  
 File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

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

Valid cases: 1154  
 Invalid: 7  
 Minimum: 1  
 Maximum: 5

#### Universe

Question asked to head of household only.

#### Source of information

Question asked to household heads only.  
 From Health, Education, LFS questionnaire.

#### Literal question

What kind of health facility is most accessible in your community?

distance to health facility (h111\_distance)  
 File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-6

Valid cases: 1154  
 Invalid: 7  
 Minimum: 1  
 Maximum: 3  
 Mean: 1.5

#### Universe

Question asked to head of household only.

#### Source of information

Question asked to household heads only.  
 From Health, Education, LFS questionnaire.

#### Literal question

What is the distance to this nearest facility?

## mode of transport to health facility (h112\_transport)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

### Overview

Type: Discrete	Valid cases: 1154
Format: numeric	Invalid: 7
Width: 1	Minimum: 1
Decimals: 0	Maximum: 4
Range: 1-5	

### Universe

Question asked to head of household only.

### Source of information

Question asked to household heads only.  
From Health, Education, LFS questionnaire.

### Literal question

How do you usually get to the nearest facility

## time to health fac. (mn) (h113a\_minute)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

### Overview

Type: Continuous	Valid cases: 1075
Format: numeric	Invalid: 86
Width: 2	Minimum: 1
Decimals: 0	Maximum: 3
Range: 1-60	Mean: 1.8

### Universe

Question asked to head of household only.

### Source of information

Question asked to household heads only.  
From Health, Education, LFS questionnaire.

### Literal question

What is the average time taken to reach the health facility?  
Minutes

## time to health fac. (hr) (h113b\_hour)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

### Overview

Type: Continuous	Valid cases: 150
Format: numeric	Invalid: 1011
Width: 2	Minimum: 1
Decimals: 0	Maximum: 3
Range: 0-60	Mean: 1.2

### Universe

Question asked to head of household only.

### Source of information

Question asked to household heads only.  
From Health, Education, LFS questionnaire.

### Literal question

What is the average time taken to reach the health facility?  
Hours

income quintile (quintile)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 5
Range: 1-5	

urban rural (urb\_rur)

File: SPC\_KIR\_2006\_HIES\_Household\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 1161
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

## anonymized island code (anon\_island)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-11

Valid cases: 6725  
 Invalid: 0

## anonymized village code (anon\_village)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-17

Valid cases: 6725  
 Invalid: 0

## anonymized enumeration area (anon\_ea)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-34

Valid cases: 6725  
 Invalid: 0

## island group (group)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

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

Valid cases: 6725  
 Invalid: 0  
 Minimum: 1  
 Maximum: 5

## household size (totpersons)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-10

Valid cases: 6725  
 Invalid: 0  
 Minimum: 1  
 Maximum: 10  
 Mean: 6.8

## anonymized unique household id (anon\_hhid)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 6725
Format: numeric	Invalid: 0
Width: 4	
Decimals: 0	
Range: 1-1161	

## household member id (indid)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 6725
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 1-20	

## hhweight (weight)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 6725
Format: numeric	Invalid: 0
Width: 7	
Decimals: 0	
Range: 4.9167-47.6818	

## relationship to the hh head (d02\_rel)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 6725
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 99
Range: 1-99	

**Literal question**

Relationship to HHold head

## sex (d03\_sex)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 6725
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 2
Range: 1-2	

**Literal question**

Sex

## age (d07\_age)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 6725
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 16
Range: 0-90	Mean: 5.6

**Literal question**

Age last birthday

## ethnicity (d08\_ethnicity)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 6723
Format: numeric	Invalid: 2
Width: 1	Minimum: 1
Decimals: 0	Maximum: 9
Range: 1-9	

**Literal question**

Ethnicity

## marital status (d09\_mstatus)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 4145
Format: numeric	Invalid: 2580
Width: 1	Minimum: 1
Decimals: 0	Maximum: 9
Range: 1-9	

**Universe**

Persons aged 15 and over

**Literal question**

Marital status

## education status (d10\_attainment)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 4145
Format: numeric	Invalid: 2580
Width: 2	Minimum: 1
Decimals: 0	Maximum: 6
Range: 1-99	

**Universe**

Persons aged 15 and over

**Literal question**

Educ attain

## activity status (d11\_activity)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-99

Valid cases: 4145  
 Invalid: 2580  
 Minimum: 1  
 Maximum: 8

**Universe**

Persons aged 15 and over

**Literal question**

Activity status

## literacy status (d12\_literacy)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-9

Valid cases: 4145  
 Invalid: 2580  
 Minimum: 1  
 Maximum: 9

**Universe**

Persons aged 15 and over

**Literal question**

Literacy status

## internet usage (d13\_internet)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-9

Valid cases: 4144  
 Invalid: 2581  
 Minimum: 1  
 Maximum: 9

**Universe**

Persons aged 15 and over

**Literal question**

Internet usage

## health prob - past 3 months (health1)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

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

Valid cases: 1928  
 Invalid: 4797  
 Minimum: 1  
 Maximum: 1

**Literal question**

Did any member of this household have a health problem in the last 3 months

**Post question**

If Yes (1), provide Person number from the Household Control Form below

If answer is No (2), skip to question 1.10

## seek help (health2)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-9

Valid cases: 1928  
Invalid: 4797  
Minimum: 1  
Maximum: 9

**Universe**

Every person in the household

**Literal question**

Did they get help or care for the health problem?

**Post question**

If answer is No (2), skip to Q1.6.

## location of help (health3)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-9

Valid cases: 1928  
Invalid: 4797  
Minimum: 1  
Maximum: 9

**Universe**

Every person in the household

**Literal question**

Where did they go to get help for the health problem?

## why not health facility (health4)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-99

Valid cases: 1928  
Invalid: 4797  
Minimum: 1  
Maximum: 99

**Universe**

Every person in the household

**Pre question**

If they got help but did not use a health facility

**Literal question**

If they got help but did not use a health facility, what was the main reason?

## diagnosed help problem (health5)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1928
Format: numeric	Invalid: 4797
Width: 2	Minimum: 1
Decimals: 0	Maximum: 15
Range: 1-15	

**Universe**

Every person in the household

**Literal question**

What was the diagnosed health problem?

**Post question**

Go to question 1.7.

## reason for not seeking care (health6)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1928
Format: numeric	Invalid: 4797
Width: 2	Minimum: 0
Decimals: 0	Maximum: 15
Range: 0-15	

**Universe**

Every person in the household

**Literal question**

If they did not seek care for the health problem what was the main reason?

## duration of sickness (health7)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1928
Format: numeric	Invalid: 4797
Width: 1	Minimum: 1
Decimals: 0	Maximum: 9
Range: 1-9	

**Universe**

Every person in the household

**Literal question**

How long were they sick?

## prevent from undertaking activities (health8)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 1928
Format: numeric	Invalid: 4797
Width: 1	Minimum: 1
Decimals: 0	Maximum: 9
Range: 1-9	

**Universe**

Every person in the household

**Literal question**

Did this health condition prevent them from undertaking their usual activities?

**Post question**

If No (2), skip to Q1.10.

result in loss of earnings (health9)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Continuous  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 0-9999

Valid cases: 1928  
Invalid: 4797  
Minimum: 0  
Maximum: 9999

**Universe**

Every person in the household

**Pre question**

If currently working

**Literal question**

If currently working, did this health condition result in a loss of earnings?

**Interviewer instructions**

If Yes, provide details for the estimated value of loss of earnings during the last 3 months.

currently attending school (educ1)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

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

Valid cases: 5793  
Invalid: 932  
Minimum: 1  
Maximum: 2

**Universe**

Every person aged 6 and over in the household.

**Literal question**

Are you currently attending school or educational institution?

**Post question**

If Yes (1), go to next person.  
If No (2), skip to Q2.9.

**Interviewer instructions**

Please provide the person number from the Household Control Form for each person aged 6 years of age or more, then follow the following sequence guide:

current level of school (educ2)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-6

Valid cases: 5793  
 Invalid: 932  
 Minimum: 0  
 Maximum: 5

### Universe

Every person aged 6 and over in the household.

### Literal question

What level of school are you currently in?

## distance to school (educ3)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-6

Valid cases: 5793  
 Invalid: 932  
 Minimum: 0  
 Maximum: 3

### Universe

Every person aged 6 and over in the household.

### Literal question

What is the estimated distance to get to school?

## estimated time to school (educ4)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

### Overview

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

Valid cases: 5793  
 Invalid: 932  
 Minimum: 0  
 Maximum: 3

### Universe

Every person aged 6 and over in the household.

### Literal question

What is the estimated time it takes to get to school?

## mode of school transport (educ5)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

### Overview

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

Valid cases: 5793  
 Invalid: 932  
 Minimum: 0  
 Maximum: 4

### Universe

Every person aged 6 and over in the household.

### Literal question

What is your main mode of travelling to school?

## hours in school per week (educ6)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-75

Valid cases: 5793  
 Invalid: 932  
 Minimum: 0  
 Maximum: 75

**Universe**

Every person aged 6 and over in the household.

**Literal question**

How many hours each week do you attend at school?

## sometimes miss school (educ7)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-9

Valid cases: 5793  
 Invalid: 932  
 Minimum: 0  
 Maximum: 9

**Universe**

Every person aged 6 and over in the household.

**Literal question**

Do you sometimes miss school which you should be attending?

**Post question**

If No (1), skip to Q3.1.

## reason for missing school (educ8)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-10

Valid cases: 5793  
 Invalid: 932  
 Minimum: 0  
 Maximum: 8

**Universe**

Every person aged 6 and over in the household.

**Literal question**

What is the main reason for missing school?

**Post question**

Go to Q3.1.

## reason for not attending school (educ9)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-9

Valid cases: 5793  
 Invalid: 932  
 Minimum: 0  
 Maximum: 7

#### Universe

Every person aged 6 and over in the household.

#### Literal question

Why are you not currently attending school?

### current work status (If2)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-9

Valid cases: 4143  
 Invalid: 2582  
 Minimum: 0  
 Maximum: 9

#### Universe

Every person aged 15 and over in the household.

#### Literal question

What is your current work status?

#### Post question

If "Do not work" (5), skip to Q3.4.

### work past 7 days (If3)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-9

Valid cases: 4143  
 Invalid: 2582  
 Minimum: 0  
 Maximum: 9

#### Universe

Every person aged 15 and over in the household.

#### Literal question

Did you do any work in the last 7days?

#### Post question

If Yes (1), skip to Q3.6.

If No (2), skip to Q3.5.

### reason for not working (If4)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-99

Valid cases: 4143  
 Invalid: 2582  
 Minimum: 0  
 Maximum: 99

#### Universe

Every person aged 15 and over in the household.

#### Literal question

What is the main reason that you do not work?

#### Post question

After completing this, go to Q3.10.

reason for not working past 7 days (lf5)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 4143
Format: numeric	Invalid: 2582
Width: 1	Minimum: 0
Decimals: 0	Maximum: 6
Range: 0-7	

#### Universe

Every person aged 15 and over in the household.

#### Literal question

What is the main reason you did not work in the last 7 days?

anonymized occupation (anon\_lf6)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 852
Format: numeric	Invalid: 5873
Width: 2	Minimum: 11
Decimals: 0	Maximum: 99
Range: 11-99	

#### Literal question

What is your occupation?

position at work (lf7)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

#### Overview

Type: Discrete	Valid cases: 4143
Format: numeric	Invalid: 2582
Width: 2	Minimum: 0
Decimals: 0	Maximum: 9
Range: 0-99	

#### Universe

Every person aged 15 and over in the household.

#### Literal question

What is your position at work

anonymized industry (anon\_lf8)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 11-99

Valid cases: 851  
 Invalid: 5874  
 Minimum: 11  
 Maximum: 99

#### Literal question

What does the organisation that you work for do?  
 Or what kind of business do you have?

nb of working days - past 7 days (lf9)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-9

Valid cases: 4143  
 Invalid: 2582  
 Minimum: 0  
 Maximum: 9

#### Universe

Every person aged 15 and over in the household.

#### Literal question

How many days out of the last 7 did you spend doing this job?

work in agri/fishing - past 7 days (lf10)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-9

Valid cases: 4143  
 Invalid: 2582  
 Minimum: 0  
 Maximum: 9

#### Universe

Every person aged 15 and over in the household.

#### Literal question

Have you worked in the food garden or been fishing in the last 7 days?

subsistence work - past 7 days (lf11)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-9

Valid cases: 4143  
 Invalid: 2582  
 Minimum: 0  
 Maximum: 9

#### Universe

Every person aged 15 and over in the household.

#### Literal question

Have you worked in the subsistence in the last 7 days?

## income quintile (quintile)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

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

Valid cases: 6725  
 Invalid: 0  
 Minimum: 1  
 Maximum: 5

## urban rural (urb\_rur)

File: SPC\_KIR\_2006\_HIES\_Person\_v01\_PUF

**Overview**

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

Valid cases: 6725  
 Invalid: 0  
 Minimum: 1  
 Maximum: 2

## anonymized island code (anon\_island)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 30498
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 11
Range: 1-11	

## anonymized village code (anon\_village)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 30498
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 17
Range: 1-17	

## anonymized enumeration area (anon\_ea)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 30498
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 34
Range: 1-34	

## island group (group)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 30498
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 5
Range: 1-5	

## household size (totpersons)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 30498
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 20
Range: 1-20	Mean: 6.2

anonymized unique household id (anon\_hhid)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

#### Overview

Type: Continuous  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 1-1161

Valid cases: 30498  
Invalid: 0

hh weight (weight)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

#### Overview

Type: Continuous  
Format: numeric  
Width: 7  
Decimals: 0  
Range: 4.9167-47.6818

Valid cases: 30498  
Invalid: 0

commodity code 5 digits (item\_code)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

#### Overview

Type: Continuous  
Format: numeric  
Width: 5  
Decimals: 0  
Range: 11101-91102

Valid cases: 30498  
Invalid: 0

annual amount (amount)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

#### Overview

Type: Continuous  
Format: numeric  
Width: 5  
Decimals: 0  
Range: 0-52000

Valid cases: 30498  
Invalid: 0

cash or home prod (section)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

#### Overview

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

Valid cases: 30498  
Invalid: 0  
Minimum: 1  
Maximum: 2

## Item (item\_label)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

**Overview**

Type: Discrete  
 Format: character  
 Width: 65

Valid cases: 30498  
 Invalid: 0

## 3 digits category (category\_code)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 3  
 Decimals: 0  
 Range: 111-881

Valid cases: 30498  
 Invalid: 0

## Category (category\_label)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

**Overview**

Type: Discrete  
 Format: character  
 Width: 40

Valid cases: 30498  
 Invalid: 0

## division code 2 (division\_code\_2)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-11

Valid cases: 30498  
 Invalid: 0

## division label 2 (division\_label\_2)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

**Overview**

Type: Discrete  
 Format: character  
 Width: 27

Valid cases: 30498  
 Invalid: 0

## division code 1 (division\_code\_1)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-9

Valid cases: 30498  
 Invalid: 0

division code 1 (division\_label\_1)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

#### Overview

Type: Discrete  
 Format: character  
 Width: 24

Valid cases: 30498  
 Invalid: 0

income quintile (quintile)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

#### Overview

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

Valid cases: 30498  
 Invalid: 0  
 Minimum: 1  
 Maximum: 5

urban rural (urb\_rur)

File: SPC\_KIR\_2006\_HIES\_Expenditure\_v01\_PUF

#### Overview

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

Valid cases: 30498  
 Invalid: 0

## anonymized island code (anon\_island)

File: SPC\_KIR\_2006\_HIES\_Income\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 5922
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 1-11	

## anonymized village code (anon\_village)

File: SPC\_KIR\_2006\_HIES\_Income\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 5922
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 1-17	

## anonymized enumeration area (anon\_ea)

File: SPC\_KIR\_2006\_HIES\_Income\_v01\_PUF

**Overview**

Type: Continuous	Valid cases: 5922
Format: numeric	Invalid: 0
Width: 2	
Decimals: 0	
Range: 1-34	

## island group (group)

File: SPC\_KIR\_2006\_HIES\_Income\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 5922
Format: numeric	Invalid: 0
Width: 1	Minimum: 1
Decimals: 0	Maximum: 5
Range: 1-5	

## household size (totpersons)

File: SPC\_KIR\_2006\_HIES\_Income\_v01\_PUF

**Overview**

Type: Discrete	Valid cases: 5922
Format: numeric	Invalid: 0
Width: 2	Minimum: 1
Decimals: 0	Maximum: 20
Range: 1-20	Mean: 5.9

anonymized unique household id (anon\_hhid)

File: SPC\_KIR\_2006\_HIES\_Income\_v01\_PUF

#### Overview

Type: Continuous  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 1-1161

Valid cases: 5922  
Invalid: 0

hhweight (weight)

File: SPC\_KIR\_2006\_HIES\_Income\_v01\_PUF

#### Overview

Type: Continuous  
Format: numeric  
Width: 7  
Decimals: 0  
Range: 4.9167-47.6818

Valid cases: 5922  
Invalid: 0

income code 5digits (income\_code)

File: SPC\_KIR\_2006\_HIES\_Income\_v01\_PUF

#### Overview

Type: Continuous  
Format: numeric  
Width: 5  
Decimals: 0  
Range: 21100-96102

Valid cases: 5922  
Invalid: 0

description of income code (income\_desc)

File: SPC\_KIR\_2006\_HIES\_Income\_v01\_PUF

#### Overview

Type: Discrete  
Format: character  
Width: 58

Valid cases: 5922  
Invalid: 0

annual amount (amount)

File: SPC\_KIR\_2006\_HIES\_Income\_v01\_PUF

#### Overview

Type: Continuous  
Format: numeric  
Width: 5  
Decimals: 0  
Range: 0-50220

Valid cases: 5922  
Invalid: 0

income quintile (quintile)

File: SPC\_KIR\_2006\_HIES\_Income\_v01\_PUF

**Overview**

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

Valid cases: 5922  
Invalid: 0  
Minimum: 1  
Maximum: 5

urban rural (urb\_rur)

File: SPC\_KIR\_2006\_HIES\_Income\_v01\_PUF

**Overview**

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

Valid cases: 5922  
Invalid: 0  
Minimum: 1  
Maximum: 2

# Documentation

## Questionnaires

### Household Diary - Kiribati 2006 HIES

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Title	Household Diary - Kiribati 2006 HIES
Author(s)	Kiribati National Statistics Office.
Date	2006-01-01
Country	Kiribati
Language	English
Description	This file is the Household Diary Questionnaire from the 2006 Kiribati Household Income and Expenditure Survey. It collects data on all daily expenditure for the 14 days.
Filename	Diary_Final_HIES.pdf
Format	Document, PDF [application/pdf]

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### Household Control Form - Kiribati 2006 HIES

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Title	Household Control Form - Kiribati 2006 HIES
Author(s)	Kiribati National Statistics Office.
Date	2006-01-01
Country	Kiribati
Language	English
Description	This file is the cover page of the Household Control Form Questionnaire of the 2006 Kiribati Household Income and Expenditure Survey. It collects basic demographic information about members of the household.
Filename	Household Control Form.xls
Format	Document, Microsoft Excel [application/msexcel]

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### Health, Education and LFS Questionnaire - Kiribati 2006 HIES

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Title	Health, Education and LFS Questionnaire - Kiribati 2006 HIES
Author(s)	Kiribati National Statistics Office.
Date	2006-01-01
Country	Kiribati
Language	English
Description	This file is the Household Control Form Questionnaire from the 2006 Kiribati Household Income and Expenditure Survey. It collects data on Education, Health and Labour Force.
Filename	Health, Educ and LFS.xls
Format	Document, Microsoft Excel [application/msexcel]

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### Expenditure Questionnaire - Kiribati 2006 HIES

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Title	Expenditure Questionnaire - Kiribati 2006 HIES
Author(s)	Kiribati National Statistics Office.
Date	2006-01-01
Country	Kiribati
Language	English

Description	This file is the Expenditure Questionnaire from the 2006 Kiribati Household Income and Expenditure Survey. It collects data on all expenditure not recorded in the Diary.
Filename	Expenditure_Final_HIES.pdf
Format	Document, PDF [application/pdf]

## Income Questionnaire - Kiribati 2006 HIES

Title	Income Questionnaire - Kiribati 2006 HIES
Author(s)	Kiribati National Statistics Office.
Date	2006-01-01
Country	Kiribati
Language	English
Description	This file is the Income Questionnaire from the 2006 Kiribati Household Income and Expenditure Survey. It collects data on households' total income received or earned in the last 12 months.
Filename	Income_Final_HIES.pdf
Format	Document, PDF [application/pdf]

## Reports

### Final Report - Kiribati 2006 HIES

Title	Final Report - Kiribati 2006 HIES
Author(s)	Kiribati National Statistics Office.
Date	2006-01-01
Country	Kiribati
Language	English
Description	This file is the Final Analytical Report of the 2006 Kiribati Household Income and Expenditure Survey (HIES). It provides the reader with some of the main results collected during the survey.
Table of contents	<ol style="list-style-type: none"> <li>1. Introduction: p.5</li> <li>2. Method: p.7</li> <li>3. Analysis: p.11</li> <li>4. Summary: p.21</li> <li>5. Appendices: p.24.</li> </ol>
Filename	KIR_2006_HIES_Final HIES Report.pdf
Format	Document, PDF [application/pdf]

### Basic Needs Poverty Lines Report - UNDP - Kiribati 2006 HIES

Title	Basic Needs Poverty Lines Report - UNDP - Kiribati 2006 HIES
Author(s)	Kiribati National Statistics Office United Nations Development Programme.
Date	2010-03-01
Country	Kiribati
Language	English
Description	This file is the UNDP report providing some poverty-related results from the 2006 Kiribati HIES.
Table of contents	<ol style="list-style-type: none"> <li>1. Purpose of paper: p.1</li> <li>2. Introduction: p.8</li> <li>3. Defining hardship and poverty in the Kiribati context: p.14</li> <li>4. The Household Income and Expenditure Survey: p.21</li> <li>5. The food poverty line: p.26</li> <li>6. The basic needs poverty line: p.29</li> <li>7. The incidence and depth of poverty in Kiribati: p.31</li> <li>8. Income distribution and inequality: p.34</li> <li>9. Who are the poor and what are their characteristics? p.34</li> <li>10. Conclusions: p.42.</li> </ol>
Filename	KIR_2006_HIES_Poverty_Report_UNDP_March2010.pdf

Format Document, PDF [application/pdf]

## Technical documents

### Commodities Classification - Kiribati 2006 HIES

Title Commodities Classification - Kiribati 2006 HIES  
 Author(s) Kiribati National Statistics Office.  
 Date 2006-01-01  
 Country Kiribati  
 Language English  
 Description This file is the classification of all commodities appearing in the Expenditure dataset.  
 Filename commodities classification.xlsx  
 Format Document, PDF [application/pdf]

### HIES Coding Manual - Kiribati 2006 HIES

Title HIES Coding Manual - Kiribati 2006 HIES  
 Author(s) Kiribati National Statistics Office.  
 Date 2006-01-01  
 Country Kiribati  
 Language English  
 Description This file is the Coding Manual of the 2006 Kiribati HIES. It provides information on how to code and edit the questionnaires collected.  
 Filename HIES Coding Manual.pdf  
 Format Document, PDF [application/pdf]

### Diary Data Entry Manual - Kiribati 2006 HIES

Title Diary Data Entry Manual - Kiribati 2006 HIES  
 Author(s) Kiribati National Statistics Office.  
 Date 2006-01-01  
 Country Kiribati  
 Language English  
 Description This file is the Data Entry Manual of the Diary from 2006 Kiribati HIES. Its main objective is to assist the data entry operators to successfully enter the data collected during the survey.  
 Filename HIES Data Entry Manual - diary.pdf  
 Format Document, PDF [application/pdf]

### Health Education LFS Data Entry Manual - Kiribati 2006 HIES

Title Health Education LFS Data Entry Manual - Kiribati 2006 HIES  
 Author(s) Kiribati National Statistics Office.  
 Date 2006-01-01  
 Country Kiribati  
 Language English  
 Description This file is the Data Entry Manual of the Household Control Form from 2006 Kiribati HIES. Its main objective is to assist the data entry operators to successfully enter the data collected during the survey.  
 Filename HIES Data Entry Manual - health.pdf  
 Format Document, PDF [application/pdf]

## Interviewer's Field Book - Kiribati 2006 HIES

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Title	Interviewer's Field Book - Kiribati 2006 HIES
Author(s)	Kiribati National Statistics Office.
Date	2006-10-01
Country	Kiribati
Language	English
Description	This file is the Interviewer's Field Book. It provides information on the timetable to the interviewers.
Filename	Interviewer's Field Book.pdf
Format	Document, PDF [application/pdf]

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