

Sierra Leone - Core Welfare Indicator Questionnaire Survey 2007

Statistics Sierra Leone

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Identification

SURVEY ID NUMBER

DDI-SLE-SSL-CWIQ-2007-v01

TITLE

Core Welfare Indicator Questionnaire Survey 2007

ABBREVIATION OR ACRONYM

CWIQ 2007

COUNTRY

Name	Country code
Sierra Leone	SLE

STUDY TYPE

Core Welfare Indicators Questionnaire [hh/cwiq]

SERIES INFORMATION

The 2007 CWIQ Survey was carried out on a nationally representative sample of 7,800 households located in 520 E.A.s/Clusters (Table 1.1). The survey was based on a stratified two stage sampling design using existing SSL sample frame (2004 Population and Housing Census). E.A.s were selected from each Local Council (LC). It should be stated that some of these LCs are rural areas while some are urban areas. In each LC, the first stage of sampling was a selection of E.A.s. The number of EAs selected in each LC was determined proportionately using the square root of the household population of the LC and that of the locality (Urban, Rural). At the second stage of sampling, 15 households were selected for each EA for inclusion in the sample. The selection in each cluster included additional households, as substitutes, to take into account e.g. households that may have moved between the time of listing and the date of enumeration. Below is the distribution of total number of EAs, sampled EAs and total number of households in each LC.

ABSTRACT

The Sierra Leone Core Welfare Indicators Questionnaire (CWIQ) survey provides information for management of the Sierra Leone economy and society. It embodies the results of a household survey designed to produce indicators for social welfare in a cheaper and more regular way to provide instruments for continuous monitoring of the poverty alleviation programme. The CWIQ survey produces information for measuring key changes in social indicators for different population groups in particular Indicators of access, use and satisfaction with social services. The overall objective of the Sierra Leone CWIQ survey, 2007 was to provide timely information for monitoring the implementation of the Sierra Leone Poverty Reduction Strategy and to begin a process of capacity building for the design, implementation, processing and analysis of household surveys within Statistics Sierra Leone (SSL) to strengthen the Poverty Reduction Strategy Monitoring and Evaluation System. This report presents the major findings of the CWIQ survey carried out from 5 April-10 May 2007 by SSL. A sample size of 7,800 households, covering rural and urban areas, in all nineteen Local Councils of the four administrative regions of the country was selected from a total of 520 Enumeration Areas. Detailed information was collected on most aspects of poverty such as demographic characteristics, education, health, employment, household assets, household amenities, poverty predictors, children under five, maternal child health and agriculture. The major findings of the survey are summarized in the order of the relevant chapters of the report.

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

The survey design was based on a stratified two-stage sample design using existing SSL sampling frame (2004 Population and Housing Census). E.A.'s served as primary sampling units while households served as secondary sampling units. The survey design enabled reporting of results at Local Council, Regional and National levels.

Version

VERSION DESCRIPTION

v1.0: Edited data, first version for internal use only.

VERSION DATE

2007-11-08

VERSION NOTES

The CWIQ Data Processing system is designed to process returned questionnaires EA-by-EA. In other words, each EA is treated as a separate batch. In view of this approach, questionnaires were received at the data processing room EA-by-EA with questionnaires for a particular EA put together in a plastic carrying case. When an EA package arrives from the field it is checked and logged in by a member of the DP team using the Questionnaire Arrival Form. Among the data entries made on the Questionnaire Arrival Form are: · Arrival date; · Number of questionnaires in the package; and · Number of households. After all questionnaires for a particular EA have been scanned and accepted, TELEform Reader will then evaluate the images and subsequently send the batch to the TELEform Verifier for possible verification of questionable responses and final transfer of the data into the CWIQ temporary database (CWIQtemp.mdb) that sits between the CWIQ main database and analysis system and the TELEform data capture software. Verified data was committed or transferred from TELEform into the CWIQtemp.mdb database EA-by-EA. No two E.A.s were transferred to the same CWIQtemp.mdb database at the same time.

Scope

NOTES

Five hundred and twenty (520) Enumeration Areas (E.A.s)/clusters were selected for the CWIQ Survey. This enabled the coverage of rural and urban areas in each of the LC's except where the LC was fully urban or rural. Within each urban or rural area, a random sample of EAs was selected and within each selected EA a sample of 15 households was selected from the listed households. For each EA, a random sample of three substitute households was also selected as replacement in cases of refusal, not found, etc.

TOPICS

Topic	Vocabulary	URI
HEALTH [8]	CESSDA	Link
EDUCATION [6]	CESSDA	Link
LABOUR AND EMPLOYMENT [3]	CESSDA	Link

KEYWORDS

Keyword	Vocabulary	URI
HEALTH [8]	CESSDA	Link
EDUCATION [6]	CESSDA	Link
LABOUR AND EMPLOYMENT [3]	CESSDA	Link

Coverage

GEOGRAPHIC COVERAGE

The CWIQ Survey covered all four Sierra Leone administrative regions and nineteen Local Councils. Five hundred and twenty (520) Enumeration Areas (E.A.s) covering rural and urban areas in each of the Local Councils were sampled. Fifteen households were sampled in each EA and resulted in an overall sample of 7,800 households.

GEOGRAPHIC UNIT

Enumeration Area

UNIVERSE

The survey covered sampled households and all household members country-wide.

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
Statistics Sierra Leone	Government of Sierra Leone

PRODUCERS

Name	Abbreviation	Affiliation	Role
Statistics Sierra Leone	SSL	Government of Sierra Leone	Documentation of Study

FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
The Government of Sierra Leone	GoSL	Financial Assistance
The World Bank	WB	Technical Assistance
Department For International Development	DFID	Financial Assistance

OTHER IDENTIFICATIONS/ACKNOWLEDGMENTS

Name	Affiliation	Role
Richard Harris	World Bank	Consultant
John Ngwafon	World Bank	Consultant
Jim Otto	World Bank	Consultant
Enock F. Ching'anda	World Bank	Consultant
Yaw Antwi-Adjei	World Bank	Consultant

Sampling

SAMPLING PROCEDURE

A total of 7,797 households were enumerated from a sample of 7,800 households, in 520 Enumeration Areas, giving the survey coverage rate of 98.4 percent (Table 1.2 of Appendix 1). For each enumeration area a reserve list of three household was selected for replacement due to refusals, respondents not at home, households not located, moved away among others. Only three Local Councils Kenema District, Kenema Town and Kambia District had 100% completed of the original households in the sample. The rest of the Local Council areas had some household replaced due to refusals or not found. The Southern Region had the highest level of replacement households of 3.3% and the Eastern Region had the lowest level of replacement of 0.1%. Nationally, 4,905 households were covered in the rural areas while 2,892 households were covered in the urban areas.

DEVIATIONS FROM THE SAMPLE DESIGN

For each enumeration area a reserve list of three household was selected for replacement due to refusals, respondents not at home, households not located, moved away among others.

RESPONSE RATE

A total of 7,797 households were successfully enumerated from a sample of 7,800 households giving the survey coverage rate of 99.96 percent. Three households could not be located at the time of data processing. The average interview time for the survey was 57.0 minutes with the shortest time of interview in Western Rural District of 49.6 minutes and the longest time of interview in Kenema District of 62.8 minutes.

WEIGHTING

Sample weights were calculated for each of the data files.

Data collection

DATES OF DATA COLLECTION

Start	End
2007-04-05	2007-05-10

DATA COLLECTION MODE

Face-to-face [f2f]

SUPERVISION

Training for fieldwork was conducted at two levels. The first level of training was a 5-day CWIQ Pilot Survey Interviewer training programme which was undertaken at SSL head office from 19 to 23 February 2007. This training included twenty six (26) trainees that were selected among SSL staff. The plan was to train 20 of them as Interviewers for the Pilot Survey and appoint them as Supervisors for the Main Survey. In addition it was planned that they should assist in the training of Interviewers for the Main survey. This training was therefore viewed as training of trainers for the CWIQ main survey. Also included in the training programme was 6 SSL Data Processing staff that were selected to participate in the verification and data processing of the CWIQ Pilot and Main Survey data. It was considered important for them to participate so that they could be trained on the tasks they were expected to perform. Therefore, a total of 26 SSL staff were trained for the CWIQ Pilot survey. The second level of training was a 12 day training programme beginning 19 and ending 31 March 2007. A total of 102 interviewers were trained. The 20 SSL staff that were trained and participated in the CWIQ Pilot survey participated as trainers in the Main Survey. During training they were given the task of Team leader. Two Team Leaders were paired to be in-charge of a team of 10 trainees. In the training room they were made to sit together with their team. In addition to assisting in introducing topics of the questionnaire, the Team leaders had the responsibility of maintaining discipline of their team, co-chairing team discussions, explaining further to their team members the concept (s) covered in the general lectures, assisting their team members having difficulties understanding the questionnaire and its completion. The second level training also included daily meetings of trainers i.e. team leaders and consultants, chaired by the CWIQ survey Coordinator or his representative. The objectives of these meetings were: (i) to review training activities of the day; (ii) resolve training problems, if any, that arose during the general presentations of topics as well as discussions in teams; (iii) agree on definitions specific to the Sierra Leone situation; (iv) ensure that good training methods were identified and used the next and subsequent training days. The team leaders were provided the Supervisors manual which contained the basic methods of supervision and editing of questionnaires. During the daily meetings, the contents of the manual were explained to them including the completion of administrative forms that were required as part of their duties. It was also explained that as team leaders of the classroom teams, they were already learning supervision duties.

DATA COLLECTION NOTES

Prior to this national CWIQ survey, SSL has conducted a CWIQ Pilot survey in 2004 in two areas Kono district in the Eastern Region and the Western district in the Western Area. In these areas the urban and rural areas were canvassed. The main objective of this survey was to test the feasibility of the survey methodology and instrument in preparation for a national survey. Training for fieldwork was conducted at two levels. The first level was a 5-day CWIQ pilot survey interviewer training which included training for data processing staff. The second level was a 12 day training programme for interviewers and supervisors. Pilot survey interviewers were used as supervisors of main survey. A two day training on household listing was undertaken. The selection of sample households was the responsibility of each field supervisor before proceeding to the field. This exercise was conducted for one and half days. Field quality control measures were established at two levels. The first level was the supervisors work at the data collection stage. The second level of quality control was the monitoring of field work by senior managers from SSL head office. Data processing was organized to run concurrently with the fieldwork and commenced a week after the commencement of the fieldwork. The CWIQ data processing system resembled a typical survey data processing system with three main stages: data entry, validation and tabulation. Unique features of CWIQ data processing included use of optical scanners, eliminating the need for manually keying data; the system used a relational database management system (Microsoft Access) to store the survey data instead of text or proprietary file formats; The system was programmed in a general purpose programming language (Microsoft Visual Basic for Applications) instead of a generalized survey data processing package. The data processing procedure involved: Reception of questionnaire; Data preparation; Scanning and evaluation; Verification and committing; Conversion of data; and Validation of data.

DATA COLLECTORS

Name	Abbreviation	Affiliation
Statistics Sierra Leone	SSL	Government of Sierra Leone

Questionnaires

QUESTIONNAIRES

The survey instruments included the modified generic scannable CWIQ questionnaire; the interviewer's manual and

[illegible]

Kono Mandingo Other G.11 What measures does your household take to prevent malaria? (YOU MUST MARK AT LEAST ONE ANSWER) Earth/mud Wood planks Stone Tiles Cement/concrete Polished wood Other _____ 1 2 3 4 5 6 7 1 2 3 4 5 6 7 8 1 2 3 4 5 6 7 8 9 G.4 What is the type of the housing unit? Single room Flat Duplex Whole building Other _____ 1 2 3 4 5 1 2 3 4 5 6 7 8 9 None/bush/field/water Flush to sewer Flush to septic tank Ventilated covered pit latrine (VIP) Covered pit latrine (with slab) Uncovered pit latrine (without slab) Pan/bucket Hanging toilet/latrine (over water) Other _____ 1 2 3 4 5 6 7 8 9 G.8 What is the main fuel used for cooking? Firewood Charcoal Kerosene/oil Gas Electricity Crop residue/sawdust Animal waste Other _____ 1 2 3 4 5 6 7 8 Kerosene Gas Mains electricity Generator Battery Candles Firewood None Other _____ 1 2 3 4 5 6 7 8 9 Collected government Collected private Government bin Disposal within compound None/Unauthorized heap Other _____ 1 2 3 4 5 6 a) None b) Bed net c) Insecticide d) Anti-malaria drug e) Fumigation f) Insecticide treated net g) Maintain good drainage h) Maintain good sanitation i) Herbs j) Burn leaf (tobacco, etc.) k) Window/door net l) Other _____ Y Y Y Y Y Y Y Y Y Y Y Y Not iodized 0 ppm < 15 ppm 15 ppm or more No salt Salt not tested 1 2 3 4 5 0 1 2 3 4 5 6 7 8 9 H.2 Has the household purchased any matches in the last 3 months? Yes No Y N H.3 Has the household purchased any aspirin in the last 3 months? Yes No Y N Yes No Y N H.4 Has the household purchased any rice in the last 3 months? Yes No Y N H.5 Has the household purchased any bread in the last 3 months? Yes No Y N Very poor Somewhat poor Not poor 1 2 3 Yes No Y N Reference Number 8764244645 CWIQ2007(24464): Sierra Leone 2007 Main Survey 19-03-2007 I.1 For each child under 5 enter the child and mother's number from the list of household members. Enter 00 if the child's mother is deceased or is not a member of the household. I.2 Enter the child's date of birth. I.3 Has the child ever been breastfed? I.4 Is the child still being breastfed? I.5 Since this time yesterday, did the child eat solid, semi-solid or soft food or drink water, juice or other liquid during the day or night? I.6 Record each child's weight (kg with one decimal, e.g. 4.6 kg) and height (cm with one decimal, e.g. 51.3 cm). I.7 Did the child participate in the following? I.8 Has the child been vaccinated against: I.9 Has the child received a vitamin A dose during the last 6 months? (SHOW VITAMIN A CAPSULE) I.10 Did the child sleep under a mosquito net last night? I.11 Has the bed net been treated with insecticide to repel insects? I.12 Why didn't the child sleep under a mosquito net last night? I.13 Has the child had diarrhea in the last 2 weeks? Page 8 of 14 I - CHILDREN UNDER 5 IF NO OR DON'T KNOW GO TO NEXT CHILD I.14 During the episode of diarrhea did the child drink any of the following? YOU MAY MARK MULTIPLE ANSWERS IF NO OR DON'T KNOW GO TO I.12 IF NO OR DON'T KNOW GO TO I.5 GO TO I.13 a) ORS packet solution b) Home made sugar-salt solution c) More fluid than usual a) ORS packet solution b) Home made sugar-salt solution c) More fluid than usual a) ORS packet solution b) Home made sugar-salt solution c) More fluid than usual Child Mother Day Month Year Yes No Don't know Y N X Y N X Yes No Don't know Y N X Yes No Don't know Weight Height Nutrition program Y N Weigh-ins Y N No Card Resp. a) Measles 0 1 2 b) BCG 0 1 2 c) 5 in 1/DPT1 0 1 2 d) 5 in 1/DPT2 0 1 2 e) 5 in 1/DPT3 0 1 2 f) Polio0 0 1 2 g) Polio1 0 1 2 h) Polio2 0 1 2 i) Polio3 0 1 2 j) Yellow fever 0 1 2 Yes No Don't know Y N X Yes No Don't know Y N X Yes No Don't know Y N X No net No mosquitos Too hot/net is a prison Can't afford net Other 0 1 2 3 4 Yes No Don't know Y N X Y Y Y Child Mother Day Month Year Yes No Don't know Y N X Y N X Yes No Don't know Y N X Yes No Don't know Weight Height Nutrition program Y N Weigh-ins Y N No Card Resp. a) Measles 0 1 2 b) BCG 0 1 2 c) 5 in 1/DPT1 0 1 2 d) 5 in 1/DPT2 0 1 2 e) 5 in 1/DPT3 0 1 2 f) Polio0 0 1 2 g) Polio1 0 1 2 h) Polio2 0 1 2 i) Polio3 0 1 2 j) Yellow fever 0 1 2 Yes No Don't know Y N X Yes No Don't know Y N X Yes No Don't know Y N X No net No mosquitos Too hot/net is a prison Can't afford net Other 0 1 2 3 4 Yes No Don't know Y N X Y Y Y Child Mother Day Month Year Yes No Don't know Y N X Y N X Yes No Don't know Y N X Yes No Don't know Weight Height Nutrition program Y N Weigh-ins Y N No Card Resp. a) Measles 0 1 2 b) BCG 0 1 2 c) 5 in 1/DPT1 0 1 2 d) 5 in 1/DPT2 0 1 2 e) 5 in 1/DPT3 0 1 2 f) Polio0 0 1 2 g) Polio1 0 1 2 h) Polio2 0 1 2 i) Polio3 0 1 2 j) Yellow fever 0 1 2 Yes No Don't know Y N X Yes No Don't know Y N X Yes No Don't know Y N X No net No mosquitos Too hot/net is a prison Can't afford net Other 0 1 2 3 4 Yes No Don't know Y N X a) ORS packet solution b) Home made sugar-salt solution c) More fluid than usual Y Y Y Reference Number 4473244648 CWIQ2007(24464): Sierra Leone 2007 Main Survey 19-03-2007 Page 9 of 14 J - MCH J.1 For each woman in the household age 15 to 49 enter the women's number from the list of household members. J.2 Did [NAME] have a live birth in the last 24 months? IF RESPONSE IS NO GO TO NEXT WOMAN J.4 Did [NAME] visit a health facility for antenatal care during the pregnancy? J.5 How many times did [NAME] visit a health facility during the pregnancy? J.6 Did [NAME] receive an injection in the arm to prevent tetanus during the pregnancy? J.3 Was the birth registered? J.7 How many times did [NAME] get this injection during the pregnancy? J.8 Where was the child delivered? J.9 Who assisted [NAME] with the delivery of the child? (YOU MUST MARK AT LEAST ONE ANSWER) GO TO NEXT WOMAN IF RESPONSE IS NO GO TO J.8 IF RESPONSE IS NO OR DON'T KNOW GO TO J.8 8 = Don't know 88 = Don't know 88 = Don't know 88 = Don't know 88 = Don't know a) Doctor b) Nurse/midwife c) Auxiliary midwife d) Traditional birth attendant e) Relative/friend g Other a) Doctor b) Nurse/midwife c) Auxiliary midwife d) Traditional birth attendant e) Relative/friend f) Other a) Doctor b) Nurse/midwife c) Auxiliary midwife d) Traditional birth attendant e) Relative/friend g Other Y N Yes No Yes No Don't know Y N X Yes No Y N Yes No Don't know Y N X Government hospital/maternity Government health clinic/center Private facility At home Other 1 2 3 4 5 Y Y Y Y Y Y N Yes No Yes No Don't know Y N X Yes No Y N Yes No Don't know Y N X 8 = Don't know Government hospital/maternity Government health clinic/center Private facility At home Other 1 2 3 4 5 Y Y Y Y Y Y N Yes No Yes No Don't know Y N X Yes No Y N Yes No Don't know Y N X 8 = Don't know Government hospital/maternity Government health clinic/center Private facility At home Other 1

2 3 4 5 Y Y Y Y Y Y N Yes No Yes No Don't know Y N X Yes No Y N Yes No Don't know Y N X 8 = Don't know Government hospital/maternity Government health clinic/center Private facility At home Other 1 2 3 4 5 Y Y Y Y Y Reference Number 2454244645 CWIQ2007(24464): Sierra Leone 2007 Main Survey 19-03-2007 K.1 Did your household harvest any tree or plant crops in the 2006 agricultural season? IF NO GO TO K.24 ON PAGE 12 K.2 What was the total area in acres cultivated by your household in the 2006 agricultural season? Crop Upland rice Lowland rice Cassava Sweet potato Yam/ Cocoyam Ground nuts Palm oil K.6 Quantity harvested in the 2006 agricultural season: K.7 Quantity harvested compared to the previous agricultural seasons: Less now Same now More now Don't know K.8 Portion of harvest used for: Repayment Sale Food Seed K.10 Was any produce processed for sale? Yes No Page 10 of 14 K - AGRICULTURE K.3 In the 2006 agricultural season did you or anyone from your household participate in a farming work group? K.4 In the 2006 agricultural season did you or anyone from your household pay people (in cash or in kind) to work on your farm? Yes No K.5 Did your household harvest [CROP] in the 2006 agricultural season? Bushel Unit Bushel Bags Bags Bags Bags Batta IF NO HARVEST NEXT CROP K.11 Income from sales compared to the previous agricultural season: Less now Same now More now Don't know IF NO SALE GO TO K.11 K.9 Immediate point of sale: By self in market To private trader in market Buyer comes to house Taken to buyer in town Sold through business organization/Chief Other IF NO GO TO K.7 Yes No Y N Yes No Y N Y N Y N Yes No 1 2 3 4 1 2 3 4 5 6 Y N 1 2 3 4 Yes No Y N 1 2 3 4 1 2 3 4 5 6 Y N 1 2 3 4 Yes No Y N 1 2 3 4 1 2 3 4 5 6 Y N 1 2 3 4 Yes No Y N 1 2 3 4 1 2 3 4 5 6 Y N 1 2 3 4 Yes No Y N 1 2 3 4 1 2 3 4 5 6 Y N 1 2 3 4 Reference Number 8500244643 CWIQ2007(24464): Sierra Leone 2007 Main Survey 19-03-2007 Maize Cocoa Coffee Cashews Ginger Citrus Vege- Crop tables Page 11 of 14 K - AGRICULTURE K.12b Did your household sell any of [CROP] harvested in the 2006 agricultural season? Yes No IF NO SALE GO TO K.15 K.13 Immediate point of sale: By self in market To private trader in market Buyer comes to house Taken to buyer in town Sold through business organization/Chief Other K.14 Was any produce processed for sale? Yes No K.15 Income from sales compared to previous agricultural season: Less now Same now More now Don't know K.16 Did you or any member of your household have to travel to sell any produce (SEE K.9 AND K.13)? Mode of transport: 1=Poda Poda 2=Truck 3=Head load 4=Private vehicle 5=Boat 6=Other Point of sale Distance (miles) Mode of transport Total cost of journey K.17 How does your household total income from sales of agricultural produce in the 2006 agricultural season compare to the previous season? K.19 What sources provided information? (YOU MUST MARK AT LEAST ONE ANSWER) K.20 Was any produce left in the field without harvesting? IF NO OR DON'T KNOW GO TO K.22 K.21 Why was the produce not harvested? K.22 Was any produce lost after harvest? IF NO OR DON'T KNOW GO TO K.24 IF NO HARVEST GO TO NEXT CROP K.12a Did your household harvest any [CROP] in the 2006 agricultural season? Yes No Y N Y N 1 2 3 4 5 6 Y N 1 2 3 4 Y N Y N 1 2 3 4 5 6 Y N 1 2 3 4 Y N Y N 1 2 3 4 5 6 Y N 1 2 3 4 Y N Y N 1 2 3 4 5 6 Y N 1 2 3 4 Y N Y N 1 2 3 4 5 6 Y N 1 2 3 4 a By self in market 1 2 3 4 5 6 b To private trader at market 1 2 3 4 5 6 c To buyer in town 1 2 3 4 5 6 Less now Same now More now Don't know 1 2 3 4 K.18 During the last 12 months has the household received any information about the market prices of agricultural produce? Yes No Don't know Y N X IF NO OR DON'T KNOW GO TO K.20 a Extension staff Y c Farmer field school Y e Radio Y g NGO Y i Other Y b Farmer association Y d Agricultural business unit Y f Newspaper/publications Y h Friends/relatives Y Yes No Don't know Y N X No labor to harvest Not needed/no market Can not get it to market Other 1 2 3 4 Yes No Don't know Y N X Reference Number 1916244647 CWIQ2007(24464): Sierra Leone 2007 Main Survey 19-03-2007 Page 12 of 14 K - AGRICULTURE K.26 Agricultural services: Which of the following services/ installations exist in your area and are accessible to your household? Work across the form taking each service in turn and answering all questions as appropriate, before moving to the next service. K.23 What was the main reason for the post harvest crop losses? YOU MAY MARK MORE THAN ONE ANSWER IN COLUMN C IF NO CROP PRODUCTION AND NO LIVESTOCK OWNED END INTERVIEW AND GO TO A.8 (FRONT PAGE) Poor storage Pests Disease Rotting Other 1 2 3 4 5 B Number compared to number owned 12 months ago 1 Less now 2 Same now 3 More now 4 Don't know A Number owned now Ducks 1 2 3 4 Guinea fowl 1 2 3 4 Guinea pigs 1 2 3 4 Rabbits 1 2 3 4 Chickens 1 2 3 4 Work oxen 1 2 3 4 Pigs 1 2 3 4 Goats 1 2 3 4 Sheep 1 2 3 4 Cattle 1 2 3 4 A Number owned now 1 Less now 2 Same now 3 More now 4 Don't know B Number compared to number owned 12 months ago K.24 For each of the following animals: record (A) the number owned now and (B) the number now compared to the number owned 12 months ago. K.25 Did your household use any of the following agricultural inputs during the 2006 agricultural season? Agricultural input Use/source of agricultural inputs 0 Not used 1 MAFFS 4 Other donor/NGO 7 Exchange/barter 2 Local council 5 Purchased 8 Gift 3 ABU 6 Credit/loan 9 other A - Rice seeds not from own stock 0 1 2 3 4 5 6 7 8 9 B - Other seeds not from own stock 0 1 2 3 4 5 6 7 8 9 C - Chemical fertilizer 0 1 2 3 4 5 6 7 8 9 D - Insecticides or herbicides 0 1 2 3 4 5 6 7 8 9 E - Animal parent stock 0 1 2 3 4 5 6 7 8 9 F - Animal feed 0 1 2 3 4 5 6 7 8 9 G - Animal vaccines/drugs 0 1 2 3 4 5 6 7 8 9 SERVICE IF NO GO TO NEXT SERVICE A.Is the service accessible? Yes No IF YES GO TO NEXT SERVICE B.Do you use the service? Yes No C.If service not used, why not? 1 Cost 2 Poor service 3 Other 1 Drying floor Y N Y N 1 2 3 2 Store for rice Y N Y N 1 2 3 3 Rice hauler/mill Y N Y N 1 2 3 4 Cassava grinder Y N Y N 1 2 3 5 Palm oil mill Y N Y N 1 2 3 6 Tractor/power tiller hire Y N Y N 1 2 3 7 Animal holding area Y N Y N 1 2 3 8 Veterinary facilities Y N Y N 1 2 3 Reference Number 7309244649 CWIQ2007(24464): Sierra Leone 2007 Main Survey 19-03-2007 K.32 How many times did the extension worker visit your household? K.30 In what way have you benefited from the activities of the farmer based organizations? (YOU MAY MARK MORE THAN ONE ANSWER) K.33 For whom does the extension worker work? 0 No 1 Yes, for a season 2 Yes, for long term K.28 From whom did you or members of your household obtain credit or loans for agricultural purposes (to grow crops, raise livestock, process agricultural produce) in the last 12 months? Page 13 of 14 K - AGRICULTURE IF NO OR DON'T KNOW GO TO K.29 K.27 In the last 12 months have you or any members of your household taken credit or loans for agricultural purposes (to grow crops, raise livestock, process agricultural produce)? K.29 In the last 12 months have you or any members of your household benefitted from the activities of the following farmer based

organizations? (YOU MUST MARK AT LEAST ONE ANSWER) IF NO OR DON'T KNOW GO TO K.31 K.31 Did an extension worker visit your household in the last year? IF NO OR DON'T KNOW GO TO K.36 Yes No Don't know Y N X a Family/friends 0 1 2 b Community based association 0 1 2 c Trader or buyer 0 1 2 d Microfinance scheme 0 1 2 e Commercial bank 0 1 2 f Other private organization 0 1 2 g Other 0 1 2 a Farmer association for men Y b Farmer association for women Y c Farmer association for youth Y d Farmer field school Y e Agricultural business unit as individual Y f Agricultural business unit through association Y g No Y h Don't Know Y a Provision of employment Y b Provision of credit facilities Y c Provision of agricultural equipment Y d Provision of agricultural inputs (seeds, fertilizer) Y e Marketing advice - food crops Y f Marketing advice - cash crops Y g Access to irrigation Y h Record/book keeping Y i Provision of communal labor Y j Other Y Yes No Don't know Y N X Once or twice About 3-10 times About once a month About twice a month Three times a month Weekly Don't know 1 2 3 4 5 6 7 Government NGO Co-operative CBO Other (specify) _____ 1 2 3 4 5 Reference Number 1549244649
 CWIQ2007(24464): Sierra Leone 2007 Main Survey 19-03-2007 K.34 Did the extension worker provide training and/or advice on any of the following? (YOU MUST MARK AT LEAST ONE ANSWER) IF NONE OF THE ABOVE GO TO K.36 K.35 Did your household use any of the extension worker's advice? K.36 What are the 3 main constraints to improving your household income from agricultural production? Lack of access to land 01 Insufficient labor availability 02 Lack of finance/credit 03 Insufficient seeds/poor quality of seeds 04 Lack of pesticides/fertilizer 05 Lack of tools/technology e.g. power tiller/tractor 06 Crop damage in the field before harvest 07 Crop damage/losses in storage 08 Lack of access to markets 09 Lack of knowledge about markets 10 Page 14 of 14 K - AGRICULTURE a Use of seeds Y b Use of fertilizer Y c Use of tillers/tractors Y d Irrigation Y e Animal husbandry Y f Use of chemicals Y g Insecticides Y h Post harvest services Y i Provision of farming tools & equipment Y j Promotion of swampland cultivation Y k None of the above Y Yes No Y N Reference Number 9603244648

Data Processing

DATA EDITING

Data processing was organized to run concurrently with the fieldwork. The main data processing operation commenced a week after the commencement of the fieldwork when the first batch of completed questionnaires was received in the office. The data processing office for the CWIQ survey was set up at the SSL head office in Freetown. The CWIQ data processing system resembles a typical survey data processing system with three main stages: data entry, validation and tabulation. However, the CWIQ data processing system has some unique characteristics. The questionnaire has been designed to be processed using optical scanners, eliminating the need for manually keying data; the system uses a relational database management system (Microsoft Access) to store the survey data instead of text or proprietary file formats; the system has been programmed in a general purpose programming language (Microsoft Visual Basic for Applications) instead of a generalized survey data processing package. The following hardware and software were used for processing the CWIQ survey data. § Hardware a) One duplex optical scanner - 15 ppm b) Hp 2015 Laser printer c) One Laptop d) One Desktop computer § Software a) TELEform - Automated Data Capture software b) Microsoft Access c) Microsoft Excel d) Visual Basic for Applications e) Adobe Acrobat The data processing procedure involved: · Reception of questionnaire; · Data preparation; · Scanning and evaluation; · Verification and committing; · Conversion of data; and · Validation of data.

METHODOLOGY NOTES

The CWIQ Data Processing system is designed to process returned questionnaires EA-by-EA. In other words, each EA is treated as a separate batch. In view of this approach, questionnaires were received at the data processing room EA-by-EA with questionnaires for a particular EA put together in a plastic carrying case. When an EA package arrives from the field it is checked and logged in by a member of the DP team using the Questionnaire Arrival Form. Among the data entries made on the Questionnaire Arrival Form are: · Arrival date; · Number of questionnaires in the package; and · Number of households. After all questionnaires for a particular EA have been scanned and accepted, TELEform Reader will then evaluate the images and subsequently send the batch to the TELEform Verifier for possible verification of questionable responses and final transfer of the data into the CWIQ temporary database (CWIQtemp.mdb) that sits between the CWIQ main database and analysis system and the TELEform data capture software. Verified data was committed or transferred from TELEform into the CWIQtemp.mdb database EA-by-EA. No two E.A.s were transferred to the same CWIQtemp.mdb database at the same time.

Data Appraisal

ESTIMATES OF SAMPLING ERROR

The survey was based on a stratified two stage sampling design using existing SSL sample frame (2004 Population and Housing Census). E.A.s were selected from each Local Council (LC). It should be stated that some of these LCs are rural areas while some are urban areas. In each LC, the first stage of sampling was a selection of E.A.s. The number of EAs selected in each LC was determined proportionately using the square root of the household population of the LC and that of the locality (Urban, Rural).

At the second stage of sampling, 15 households were selected for each EA for inclusion in the sample. The selection in each cluster included additional households, as substitutes, to take into account e.g. households that may have moved between the time of listing and the date of enumeration. Below is the distribution of total number of EAs, sampled EAs and total number of households in each LC.

DATA APPRAISAL

Quality control measures for the survey were established at two levels. The first level was the Supervisors work at the data collection stage. In addition to coordinating the work of the team, the Supervisor assigned households to the team members, undertook direct observations of the interviews and reviewed completed questionnaires before submitting to SSL for data processing. The second level of quality control was the establishment of a monitoring team of senior managers from SSL head office. Apart from collecting completed questionnaires for the completed E.A.s from the field to the head office, the team had the task of monitoring the work of field teams. The tasks of the monitoring team included mapping out strategies and offering solutions to logistical and methodology issue that could arise.

Access policy

CONTACTS

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- Unrestricted Datasets
- Restricted Datasets

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CITATION REQUIREMENTS

Statistics Sierra Leone Core Welfare Indicator Questionnaire 2007 (CWIQ), Version 1 of the public use dataset (November 2008), provided by Statistics Sierra Leone Archive. www.statistics.sl

ACCESS AUTHORITY

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	World Bank		

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Metadata production

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PRODUCERS

Name	Abbreviation	Affiliation	Role
Statistics Sierra Leone	SSL	Ministry of Finance and Economic Development	Documentation of the study

DATE OF METADATA PRODUCTION

2011-07-28

DDI DOCUMENT VERSION

Version 1.0 (February 2011)

Data Dictionary

Data file	Cases	Variables
HHDATA This file contains data related to section A, F, G and H of the Core Welfare Indicators Survey Questionnaire. That is the Household Assets, Household Amenities and Poverty Predicators.	7797	108
INDATA This file contains data related to section A, B,C and D in the Core Welfare Indicators Survey Questionnaire . This data contain the Household Roster, Education, Health, Employment status of every household member	46531	87
WODATA This file contains data related to section A and J in the Core Welfare Indicators Survey Questionnaire . This data obtains information on the health of the mother and the newborn child for woman 15 to 49. If a woman has not had a live birth during the last two years preceding the date of interview, go to the next woman on the list.	13313	16
AMDATA The AMDATA contains data related mainly to section K(Agriculture).It also contains data related to section A (Interview Information)	7797	246
CHDATA The CHILD DATA contains data related mainly to section I (CHILDREN UNDER 5) and also data related to Interview and Demographic information which ss section a.	3895	35
CLUSTERM The CLUSTERM (CLUSTER MASTER) contains data related to section A(Interview Information).	520	22