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KENYA INTEGRATED HOUSEHOLD BUDGET SURVEY (KIHBS)

2005/06

(Revised Edition)

KENYA NATIONAL BUREAU OF STATISTICS
NDS
PERIODICAL
AND DOCUMENTATION SERVICES
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BASIC REPORT

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Foreword

The Kenya Government is committed to the principle of evidence-based policy making. This requires current statistics that provide information on the design, implementation and eventual evaluation of various development programs for economic recovery and national development. In particular, the government's Economic Recovery Strategy (ERS) provides a framework for national development and poverty reduction which entails the provision of baseline information on all major economic fronts.

The Kenya Integrated Household Budget Survey (KIHBS) was designed to capture data that would be used to update poverty, welfare statistics and employment statistics, derive the consumer price index, and revise the national accounts information. The survey was also aimed at providing data on socio-economic aspects of the Kenyan population including education, health, energy, housing, water and sanitation. This data is critical to the government and private sector for the purpose of guiding investment and national development policy decisions. I note with satisfaction the exercise has now been completed and the objectives of the exercise are being met. The basic report provides a reflection of the social economic status of the Kenyan population.

Implementation of the KIHBS was a complex and costly exercise. The success of the Survey was accomplished through concerted efforts of various institutions and personnel. Key to this success were the Technical Committee that was involved in preparing the survey tools; the KIHBS Basket Fund committee who provided policy guidance; and the KIHBS management team which ensured that the exercise was coordinated in the best manner possible.

The Government wishes to extend sincere appreciation for the technical and financial support provided by various development partners, namely the Department for International Development (DfID), the United States Agency for International Development (USAID), the European Union (EU), the Danish International Development Agency (DANIDA), the World Bank and the United Nations Development Program (UNDP). The Government of Kenya appreciates the development partners' contribution and collaboration and welcomes their continued support.

Special thanks to the Kenya National Bureau of Statistics for spearheading the whole process of data collection and analysis. Further, gratitude is extended to all other Government Officers, Research Assistants and other personnel who devoted themselves to this exercise to see the successful implementation of the KIHBS. Last but not least, all Kenyans deserve special appreciation for their willingness to participate in this exercise by providing the requisite information.

It is our sincere hope that the KIHBS data will be of valuable use to this country and will form a basis not only for evidence based policy making but also for further research that will guide formulation of appropriate policies for enhancing the welfare of Kenyans.

Hon. Henry O. Obwocha, EGH, MP
MINISTER FOR PLANNING AND NATIONAL DEVELOPMENT

Acknowledgement

The Kenya Government is committed to improving the welfare of all Kenyans through sound macroeconomic management and by ensuring access to quality public goods and services. In this regard, Government development initiatives such as the Economic Recovery Strategy for Wealth and Employment Creation (ERS-WEC) and the Millennium Development Goals (MDGs) require appropriate monitoring. This entails availability of reliable and accurate statistics for evaluation of progress made and for formulating evidence-based policies.

In this regard, the Government of Kenya, through the Central Bureau of Statistics has embarked on a programme to provide improved and timely statistics under the National Statistical System (NSS). The Kenya Integrated Household Budget Survey (KIHBS) is the first major household survey to be implemented under this NSS programme. The following features clearly stand out to make KIHBS the largest and most unique sample survey ever undertaken by the Central Bureau of Statistics.

The survey covered all the 70 districts including rural and urban clusters with data being collected from all arid and semi arid areas for the first time in a decade. All surveyed households were captured using the Geographical Positioning System (GPS) which made it possible to identify the precise geographical location of households. The survey was conducted over a period of 12 months, which covers all possible seasons, as in contrast to previous surveys where the longest survey conducted by the Bureau was for three (3) months. KIHBS used both diary and recall methods in collecting household consumption and purchase information. Kenya is among the few countries in the world that has applied this hybrid method of collecting household expenditure data aimed at enhancing the amount and quality of the data.

This Basic Report is a culmination of arduous work involving over 260 personnel spread all over Kenya. The KIHBS data will further be analyzed to produce other technical reports notably the Poverty reports (Volumes I - III), a consumer price index report, and a report on updated national accounts and employment patterns.

Special mention is due to Mr. Anthony K.M. Kilele, the Acting Director General of Statistics, for the successful overall co-ordination of the project. I would like to thank the following other members of the Project management team for their commendable work: Prof. Dankit Nassiuma, KIHBS Project Manager; Monyoncho Maina, KIHBS Logistics and Administration Manager; Njoroge Nyoike and Josiah Kaara. Other people who participated in the writing of the report are: Godfrey K. Ndeng'e, Head, Poverty Analysis and Research Unit, John Owuor, Mary Wanyonyi, David Muthami, Robert Nderitu, Samuel Kipruto, Paul Samoei, Priscilla Owino, Johan Mistiaen and Isis Gaddis.

Edward Sambili, CBS
PERMANENT SECRETARY

Executive Summary

The Kenya Integrated Household Budget Survey (KIHBS 2005/06) Project was to collect a wide spectrum of socio-economic indicators required to measure, monitor and analyse the progress made in improving living standards. Specifically, the KIHBS was designed to update and strengthen three vital aspects of the national statistical database, notably: the Consumer Price Index (CPI), poverty and inequality; and the System of National Accounts (SNA). The data collection phase of this survey took 12 months and data on demographics, housing, education, health, agriculture and livestock, enterprises, expenditure and consumption, among others, was collected. Results from these areas are summarised below.

Household characteristics

Distribution of population by sex shows that there are more females (50.7%) than males (49.3%). Kenya's sex ratio stands at 97 males per 100 females while the age dependency ratio stands at 84 persons for every 100 people in the working-age population. Kenya has a mean household size of 5.1 persons. Overall, seven out of every ten households are headed by males. Nationally, 63.5 per cent of household heads are married into monogamous unions. Results on orphanhood show that 5 per cent of children aged below 18 years have lost their fathers while, 1.2 per cent have lost both parents.

Education characteristics

The results show that, 93.4 per cent of the population aged 6-17 years have attended school for at least one school term. Approximately 20 per cent of children have never attended school due to lack of money for school expenses while 9.9 per cent have never attended school because of ill health. Gross primary and secondary school attendance rates are estimated at 117.0 per cent and 40.0 per cent respectively. Nationally, 79.5 per cent of the population aged 15 years and above can both read and write. Nairobi Province has the highest literacy level of 96.6% for males followed by Nyanza Province (91.9%). The majority of students in primary, secondary and university attend government institutions.

Health characteristics

The results from this survey indicate that 27.4 per cent of the survey population have suffered from some kind of illness during the four weeks prior to the survey period. The prevalence of illness is relatively higher (30.1%) for females than for males (24.7%). Malaria is the most common sickness, affecting 41.4 per cent of the sick population. Nationally, 36.1 per cent of illnesses were self-diagnosed, while 46.2 per cent were diagnosed by a medical worker. In terms of mosquito bed-nets, usage rate stands at 26.6 per cent of the population. The use of nets is higher in urban areas (43.7%) than in rural areas (22.2%). The results also show that 53.9 per cent of the children in the country are delivered at home and 39.1 per cent in health facilities. Children in rural areas are twice as likely to be born at home as compared to urban children. Overall, 39 per cent of children are delivered by trained medical personnel while 39.1 per cent by Traditional Birth Attendants (TBAs) of which 27.4% by untrained TBA and 11.7% by trained TBA.

In terms of child health, 65.9 per cent of children aged 12-23 months are fully immunised. Nutritional status indicators show that 33 per cent of children are stunted, 6.1 per cent are acutely undernourished (wasted) while 20.2 per cent are underweight.

Agriculture and Livestock

Agriculture is a key sector of the country's economy, contributing about 25 per cent of the Gross Domestic Product (GDP) and providing employment to an estimated 70 per cent of the labour force.

The data from the KIHBS indicate that 68.8 per cent of all households in Kenya are engaged in crop farming activities. In the rural areas, this proportion stands at 85.4 per cent. This activity is practised on an estimated 12.3 million acres out of a total area of about 146.5 million acres. However, it is only on 6 per cent of all agricultural parcels that irrigation farming is practised. Similarly, the results show that 66.0 per cent of Kenyan households keep at least one type of livestock. The most common types of livestock are chicken and cattle with 67.0 and 64.0 per cent of livestock rearing households, respectively keeping them. Other common livestock types include goats, sheep, camels, pigs and donkeys.

Household enterprises, access to credit and shocks

Two-thirds of households in Kenya are engaged in wholesale/retail trade sector while manufacturing is the second most important sector. About a half of households used own savings, while 15.1 per cent used gifts from friends to start their business. Just over 30 per cent of all households were able to access credit. Neighbours/friends, grocery/local merchant and SACCOs were the three leading sources of credit. Credit was mainly sought for subsistence needs, school fees and medical expenses in that order.

Out of all "shocks" experienced by households, death was the most prevalent and severe. Other common shocks were loss of employment, fire, drought and floods.

Household social amenities

Two-thirds of Kenyans reside in their own houses while close to a quarter reside in rented dwellings. House/bungalow is the most common type of dwelling followed by traditional huts/manyatta and Swahili type houses. Overall, 57.0 per cent of households use safe drinking water. Eastern and North Eastern Provinces have the lowest rates of using safe drinking water. The results further show that 84.0 per cent of the Kenyan households use adequate human waste disposal facilities while 14.8 per cent have no toilets.

Over 80 per cent of households in the rural areas use firewood for cooking while paraffin is the leading source of cooking energy used by 44.6 per cent of urban dwellers. Over three quarters of households use paraffin lamps while electricity is used by 15.6 per cent of Kenyans.

Community Perspectives

The results show that 25.9 per cent of Kenyan Communities have the nearest public primary school within one kilometre or less, while 51.4 per cent are located 5 or more kilometres away from such a school. On the other hand, 19.3 per cent of Kenyans have a public secondary school within a distance of one kilometre or less, while 49.0 per cent travel for 5 or more kilometres. Only 11.3 per cent of Kenyans travel one kilometre or less to reach a health facility, while about a half (47.7%) travel for 5 kilometres or more. More than a half of rural dwellers travel 5 or more kilometres to reach a health facility, while only 11.9 per cent of urban dwellers travel similar distances.

Only 10.3 per cent of Kenyans have access to a telephone facility within a distance of one kilometre or less, while 59.7 per cent have to travel 5 or more kilometres to reach a telephone facility. Overall, only 7.0 per cent of Kenyans travel one kilometre or less to reach the nearest post office, while a higher proportion (72.2%) has to cover 5 or more kilometres to access post office services. Nationally, close to a fifth of Kenyans have a bitumen road located one kilometre or less, while 65.8 per cent Kenyans can reach a tarmac road after travelling for 5 or more kilometres..

While 36.2 per cent communities concurred that corruption involving public servants was much better or better now than five years ago, 47.4 per cent felt it was worse or much worse. Nationally, 42.1 per cent

were of the opinion that police services in their communities were better or much better now compared to five years ago, while 39.9 per cent felt that police services were worse or much worse now than five years ago. In an effort to enhance security, a third of the communities (33.2%) introduced community policing, 19.8 per cent took no step, and 19.0 per cent relied on neighbourhood watch, while 13.6 per cent improved house security by adding iron bars, walls or fences.

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Acronyms and Abbreviations

ASAL - Arid and semi-arid lands
CBS - Central Bureau of Statistics
CPI - Consumer Price Index
DANIDA - Danish International Development Agency
DfID - Department for International Development
DSO - District Statistical Officer
E.A - Enumeration Area (Population Census)
ECD - Early Childhood Development
ERSWEC - Economic Recovery Strategy for Wealth and Employment Creation
EU - European Union
FGD - Focus Group Discussion
GAR - Gross Attendance Ratio
GDP - Gross Domestic Product
GoK - Government of Kenya
GPS - Global Positioning System
GTZ - German Agency for Technical Co-operation
HH - Household(s)
ITNs - Insecticide treated nets
KDHS - Kenya Demographic and Health Survey
KEPI - Kenya Expanded Programme of Immunisation
KIHBS - Kenya Integrated Household Budget Survey
MDGs - Millennium Development Goals
NAR - Net Attendance Ratio
NASSEP - National Sample Survey and Evaluation Programme
NCHS - National Centre for Health Statistics
NHSSP - National Health Sector Strategic Plan
NSS - National Statistical System
ORS - Oral Re-hydration Salts
PSUs - Primary Sampling Units
RAs - Research Assistants
SACCOs - Savings and Credit Cooperatives
SAM - Social Accounting Matrix
SNA - System of National Accounts
SPSS - Statistical Package for Social Sciences
SSU - Secondary Sampling Unit
TBAs - Traditional Birth Attendants
UHBS - Urban Household Budget Survey
UNDP - United Nations Development Programme
UPE - Universal Primary Education
USAID - United States Agency for International Development
WB - World Bank
WHO - World Health Organisation
WMS - Welfare Monitoring Survey

Concepts and Definitions

Age dependency:
The population dependent (those aged below 15 years and above 64 years) on the working-age population (15-64 years).

Cluster:
A Primary Sampling Unit (PSU) under the NASSEP IV sampling frame from which the CBS obtains nationally and sub-nationally representative household survey samples.

Crude immunisation coverage:
This is based on immunization information for children aged 0 to 60 months from both health cards and mothers memory. It includes all given doses irrespective of whether the antigen was correctly administered or not.

Diary account method:
This is a data collection approach where each surveyed household is left with expenditure schedules (diaries) where they record all daily purchases made and food items consumed, for a given period.

Gross Attendance Ratio (GAR):
The proportion of children attending a level of education irrespective of the age group for that level, expressed as a percentage of total number of children in the same age group.

Holding:
This is defined as all the land owned and/or operated by a household regardless of the ownership status of the land.

Household head:
The senior-most member who makes key decisions in the household and whose authority is acknowledged by other members.

Household:
A person or a group of people living in the same compound (fenced or unfenced), answerable to the same household head and sharing a common source of food and/or income. Domestic servants and other workers residing with the family members were included as household members.

Industry:
This is defined in terms of goods produced, or services offered by the economic unit or establishment in which the person works.

Literacy rate:
Adult literacy rate is the percentage of people aged 15 and above who can, with understanding/ability, read and write a short, simple statement in at least one or more language(s). However, this survey did not actually do any testing of respondents to confirm their actual ability to read and write.

Net Attendance Ratio (NAR):
The proportion of school age population attending school expressed as a percentage of the total population in that age bracket. For primary school the age is 6-13 years while for secondary school it is 14-17 years.

Adequate sanitation:
This is defined as reasonable and clean means of human and other household waste disposal.

Respondent:
Any member of the household who provides information to the interviewer. The head of the household, or any other adult contributor to the household income provided responses to sensitive issues such as incomes, transfers and major expenditures. Responses on other routine issues were provided by any adult respondent, provided he/she had accurate information.

Safe water:
Safe water supply includes treated or untreated but uncontaminated water sources such as springs, protected boreholes/wells and piped water.

Total non-agricultural income:
This is all income from non-agricultural activities excluding value of loans received by households.

Urban area:
This comprises urban centres whose population was estimated at 2,000 or higher during the 1999 Population and Housing Census.

Chapter 1 | Overview

1.0 Introduction

The Government of Kenya is committed to improving the welfare of all Kenyans through sound macroeconomic management and by providing access to quality public goods and services. Formulating, implementing and monitoring evidence-based economic policies and programmes aimed at promoting economic growth requires improved statistics and information. Recent increases in the demand for statistics are driven by the need to monitor the government's "Economic Recovery Strategy for Wealth and Employment Creation" (ERSWEC) and Millennium Development Goals (MDGs) among others. The Central Bureau of Statistics (CBS) has endeavoured to meet the increased demand for statistical data and information by implementing the CBS Strategic Plan (2003 - 2008). The Kenya Integrated Household Budget Survey (KIHBS) is the first major household survey to be implemented under this Plan.

1.1 Main objectives of the KIHBS

The overarching goal for conceptualising and implementing KIHBS 2005/06 was to collect a wide spectrum of socio-economic indicators required to measure, monitor and analyse the progress made in improving living standards in a single integrated household survey. Thus, the KIHBS aims at providing a key database to update various indicators and provide a baseline for measuring and monitoring progress through future surveys in the National Statistical System (NSS). To achieve this objective, CBS has set new standards of best practice by which KIHBS was designed as an integrated modular set of questionnaire instruments, which together provide a baseline database that is unprecedented in its level of detail, coverage and quality.

In addition to collecting an integrated set of socio-economic indicators, the KIHBS was designed to enable updating and strengthening of three vital aspects of the national statistical database: the Consumer Price Index (CPI), measures of living standards, poverty and inequality; and the System of National Accounts (SNA).

The Consumer Price Index (CPI)

The KIHBS design was tailored to enable updating and recalibration of the household budget expenditure weights used in the computation of the Consumer Price Index (CPI), which is used to monitor the rate of inflation in Kenya. It is also used to adjust various economic statistics such as the Gross Domestic Product (GDP) to allow comparisons over time by adjusting for changes in prices. The CPI is thus a vital component of the overall national statistical database.

A CPI basket is obtained by collecting household survey data on consumption expenditures. These data are used to compute average share of the budget that households spend on various goods and services. These expenditure budget shares are then used as the weights for calculating the CPI. According to the CBS Statistical Abstract 2005, purchases of food items accounted for just over 50 per cent of the expenditures made by low-income households. Consequently, food prices account for just over half of the CPI in Kenya. However, the current CPI is based on weights computed from the Urban Household Budget Survey (UHBS) which was conducted in 1993 and did not cover rural areas where 80 per cent of the Kenyan population resides.

Many changes have taken place since 1993 and some of these may have affected the completeness of the CPI. A case in point are food prices which have not changed at the same rate as other prices included in the CPI such as fuel and power, rent and housing, and transport and communication. As relative prices between different goods and services change, so do household consumption behaviour and the shares of expenditures on these different goods and services. Consequently, the weights used to compute the CPI become less representative. Another factor that necessitates regular updating of CPI weights is the emergence of new goods like mobile telephones and other electronic goods. Finally, in comparing urban and rural households, there is considerable variation in both prices and the choice of goods households spend their budget on. The KIHBS data will facilitate computation of a new CPI for urban and rural areas.

Measures of living standards, poverty and inequality.

Statistics on living standards, poverty and inequality cannot be calculated and monitored in the absence of household surveys such as KIHBS, which collect detailed data required on expenditure, income and accompanying indicators of well-being such as nutrition, education and health status of household members.

Prior to KIHBS, the most recent household survey that collected detailed expenditure data required for poverty measurement was the 1997 Welfare Monitoring Survey (WMS III). KIHBS will thus fill an existing data gap that spans almost a decade in addition to providing improved estimates of poverty. None of the WMS based poverty estimates – for 1992, 1994 and 1997, could be adequately adjusted for seasonality effects. Not only was the KIHBS data collected over a 12-month period, but also the sample design ensured that data was collected continuously in each and every district in Kenya. Additional improvements were incorporated in the questionnaire design by using a detailed list of expenditure items including non-food items, durable goods and house rents.

The System of National Accounts (SNA)

The System of National Accounts (SNA) is a framework to monitor overall macroeconomic performance and growth. The SNA is constructed to enable tracking of all key aspects of the Kenyan economy including the inputs and outputs in various economic sectors (such as agriculture, manufacturing and services), imports and exports, government expenditures and revenues, as well as private consumption and the household sector.

The KIHBS provides new benchmark estimates to update the SNA, especially the household sector. Key indicators that will be updated include household consumption expenditure, small-scale business outputs and intermediate consumption by households, agricultural inputs and outputs, and housing sector statistics such as rent. These updates will be documented in a separate report. This and other KIHBS information will also be used to update economic modelling tools such as the Input-Output Matrix and the Social Accounting Matrix (SAM), which are used to analyse the welfare impacts of economic policies and programmes.

1.2 Data interpretation

Great care has been taken to ensure that the data represents the facts on the ground. In the process of interpreting the data, some of the total counts may not agree. This may be explained by two key factors:

(i) The skipping pattern in the questionnaire, which changes the number of responses to some questions;

(ii) Some households that accepted to complete the questionnaire may have opted out during the interview period.

1.3 Overview of the KIHBS basic report

This report is organised into 11 Chapters. After this introductory chapter, Chapter 2 provides a detailed description of the KIHBS sample design and the organisation of the survey. Chapter 3 presents household characteristics observed in the KIHBS; Chapter 4 discusses the education characteristics of the population. Chapters 5 and 6 elucidate health characteristics of both adult population and; child health and nutrition respectively. Chapter 7 presents other household income and transfers to and from the households. Chapter 8 discusses the household enterprises, access to credit and shocks experienced by the households. Chapter 9 discusses the agriculture and livestock module, while Chapter 10 presents the household amenities for the populations. Lastly, Chapter 11 summarises the questionnaire responses from the community that were captured through Focus Group Discussions (FGD).

Chapter 2 Sampling Methodology and Survey Organisation

2.0 Introduction

Data collection for KIHBS 2005/06 was undertaken for a period of 12 months starting 16th May 2005. The Survey was conducted in 1,343 randomly selected clusters across all districts in Kenya and comprised 861 rural and 482 urban clusters. Following a listing exercise, 10 households were randomly selected with equal probability in each cluster resulting in a total sample size of 13,430 households.

The year-long survey was organised into 17 cycles of 21 days each, during which enumerators conducted household interviews in the clusters. Further, the districts were grouped into 22 zones that were logistically convenient for field teams to operate. Seasonal variation was captured by randomising visits to the selected clusters so that in each cycle at least one cluster was visited in each zone. The Survey instruments were organised in four questionnaires:

(1) A 21 module household questionnaire;
(2) 14-day household expenditure diaries to record consumption and purchases;
(3) A market price questionnaire and,
(4) A community questionnaire.

This chapter provides a detailed description of the KIHBS sample design, structure of the questionnaires as well as organisation and implementation of the survey.

2.1 Sample design and survey coverage

A total of 13,430 households were randomly selected to comprise the KIHBS sample, which was designed to generate representative statistics at the national, provincial and district levels. The sampling design involved a number of stages and challenges, which are elaborated in this section.

Cluster selection

In the first stage, 1,343 clusters were stratified by district (and by both urban and rural areas within each district). The objective was to make the total sample representative and descriptive of the unequal distribution of the population across districts. The allocation of the KIHBS sample by provinces, districts, rural and urban areas, is summarised in Table 2.1.

In the KIHBS sample, 10 households were randomly selected with equal probability in each cluster to give a total sample of 13,430 households allocated into 136 explicit strata: the urban and rural areas of all districts except Nairobi and Mombasa, which are entirely urban. However, in the six districts that contain municipalities, clusters in the urban sample were further stratified into six groups: five socio-economic classes in the municipality itself and other urban areas in the district. This ensured that different types of neighbourhoods and social classes within municipal areas are all represented in the sample. The total sample sizes in rural and urban areas were 8,610 and 4,820 households respectively.

The 1,343 KIHBS clusters are the Primary Sampling Units (PSUs) from the NASSEP IV sampling frame, which is designed to give nationally, and sub-nationally, representative household survey samples. The NASSEP IV sampling frame is composed of 1,800 clusters selected with probability proportional to size (pps) from a set of all Enumeration Areas (EA) used during the 1999 Population and Housing Census (a cluster is either an EA or an EA segment of about 100 households) The KIHBS clusters sampled in each district where selected with equal probability from the NASSEP IV frame. Therefore, the first stage consists of a de facto pps sub-sample of census EA segments. This sampling strategy produced an approximately self-weighted sample of households in each stratum.

With the basic sampling frame constructed, the next stage consisted of updating the NASSEP IV clusters through a cartographic and household listing exercise conducted in all urban and ASAL clusters as well as a portion of the rural clusters in which population was found to have changed significantly.

Computation of sampling weights

The third stage involved calculation of sampling selection probabilities of each KIHBS household, which are used to derive sampling weights needed to compute unbiased estimates and statistics presented in this report.

The probability of selecting a KIHBS household is the product of four factors:

(1) P1 is the probability of selecting the EA for the master sample among all the 1999 Population and Housing Census EA's;

(2) P2 is the probability of selecting the EA segment among all segments in the EA;

(3) P3 is the probability of selecting the cluster for the KIHBS, among all the clusters in the NASSEP IV master sample; and

(4) P4 the probability of selecting the household among all the households listed in the cluster. Since the EA's in the master sample were originally selected with probability proportional to size (pps) using the expected number of 100-household segments in the EA as a measure of size, the first factor is calculated as:

$$P_1 = \frac{\text{Number of EAs selected for the Master Sample in the stratum} \times \text{Size of the EA}}{\text{Total size of all EAs in a stratum}}$$

Table 2.1: **Allocation of the KIHBS households by provinces, districts and urban/rural areas**

Region	Rural	Urban	Total	Region	Rural	Urban	Total
1 Kenya	**8,610**	**4,820**	**13,430**	**6 Nyanza**	**1,440**	**700**	**2,140**
				601 Gucha	130	40	170
				602 Homa Bay	110	60	170
101 Nairobi	**0**	**700**	**700**	603 Kisii	100	80	180
				604 Kisumu	100	100	200
				605 Kuria	130	40	170
2 Central	**1,010**	**480**	**1,490**	606 Migori	130	60	190
201 Kiambu	170	100	270	607 Nyamira	120	60	180
202 Kirinyaga	130	60	190	608 Rachuonyo	130	40	170
203 Murang'a	130	40	170	609 Siaya	120	80	200
204 Nyandarua	150	40	190	610 Suba	130	40	170
205 Nyeri	150	100	250	611 Bondo	110	60	170
206 Thika	130	120	250	612 Nyando	130	40	170
207 Maragua	150	20	170				
				7 Rift Valley	**2,370**	**1,000**	**3,370**
3 Coast	**680**	**600**	**1,280**	701 Baringo	110	60	170
301 Kilifi	110	60	170	702 Bomet	110	60	170
302 Kwale	110	60	170	703 Keiyo	130	40	170
303 Lamu	130	40	170	704 Kajiado	100	80	180
304 Mombasa	0	260	260	705 Kericho	120	60	180
305 Taita Taveta	90	80	170	706 Koibatek	130	40	170
306 Tana River	150	20	170	707 Laikipia	110	60	170
307 Malindi	90	80	170	708 Marakwet	140	20	160
				709 Nakuru	230	140	370
4 Eastern	**1,840**	**580**	**2,410**	710 Nandi	130	60	190
401 Embu	90	80	170	711 Narok	130	40	170
402 Isiolo	130	40	170	712 Samburu	110	40	150
403 Kitui	140	40	180	713 Trans Mara	130	40	170
404 Makueni	180	40	220	714 Trans Nzoia	140	60	200
405 Machakos	160	100	260	715 Turkana	150	20	170
406 Marsabit	130	40	170	716 Uasin Gishu	90	120	210
407 Mbeere	150	20	170	717 West Pokot	150	20	170
408 Meru Central	120	80	200	718 Buret	130	40	170
409 Moyale	150	20	170				
410 Mwingi	150	20	170	**8 Western**	**960**	**560**	**1,520**
411 Meru North	140	60	200	801 Bungoma	130	120	250
412 Tharaka	150	20	170	802 Busia	90	80	170
413 Meru South	150	20	170	803 Mt. Elgon	130	40	170
				804 Kakamega	130	80	210
5 North Eastern	**310**	**200**	**510**	805 Lugari	110	60	170
501 Garissa	90	80	170	806 Teso	130	40	170
502 Mandera	110	60	170	807 Vihiga	130	60	190
503 Wajir	110	60	170	808 Butere/Mumias	110	80	190

Because the actual number of segments created during the master sample field operations may have been different from the expected number, the second factor is computed as:

$$P_2 = \frac{1}{\text{Number of segments actually created in an EA}}$$

Finally, the third and fourth factors are obtained by deriving:

$$P_3 = \frac{\text{Number of clusters selected for the KIHBS in the stratum}}{\text{Number of sample EAs in a stratum}},$$

and

$$P_4 = \frac{\text{Number of households visited by the KIHBS in acluster}}{\text{Total number of households in a cluster}}.$$

The probability of selecting the ith KIHBS household is therefore readily derived as the product of the four factors:

$$P_i = P_{i1}P_{i2}P_{i3}P_{i4}$$

The sampling weights (also called raising factors) used to compute unbiased estimates and indicators from the KIHBS are calculated simply as the inverse of these selection probabilities.

Sampling weights recalibration for non-response and population growth

Upon completion of fieldwork, two adjustments were made to the sampling weights. Firstly, some of the sampled households did not participate in the Survey, either because of failure to establish contact or explicit refusal to participate. This is a common feature of all household surveys and is called "unit non-response".

The KIHBS anticipated this would happen and during the sampling design phase, in addition to the 10 "original" households, another 5 "replacement" households were randomly selected in each KIHBS cluster. These were used as substitutes for original households that did not respond or were not available.

Overall the effective coverage and response rate was about 98 per cent. However, fourty of the sampled 13,430 households could not be interviewed because of either insecurity or inaccessibility of the clusters. This occurred only in four of the selected 1,343 KIHBS clusters; one in Marsabit District, one in Marakwet District and two in Samburu District. In these cases, the sampling weights were recalibrated to adjust for non-response. This involves multiplying the sampling weights of all households in these clusters (and, in the case of cluster unit non-response, all households in those districts) by a scaling-up factor. This factor is computed as the number of originally selected households in the cluster (i.e. 10), divided by the number of responding households.

Item non-response occurs when data on certain questions in the survey are not recorded or captured. This was virtually negligible (less than 1%) in the Survey because each household was visited at least 10 times and any data that was not completed earlier could be completed in the subsequent visits.

2.2 Survey design and logistics

The KIHBS data collection phase took place over a 12-month period that was organised into 17 cycles of 21 days each. During this period, enumerators conducted household interviews in the clusters. Since the sample consists of 1,343 clusters, data collection required hiring and training of 79 interviewers. To cover for eventualities (e.g., illness, unusually large clusters, etc) and to ensure that the fieldwork was not interrupted, a back-up team of a further 21 interviewers was hired to make a total of 100 trained KIHBS interviewers.

For logistical purposes, the 79 clusters were covered in each cycle by 44 field teams, each team headed by a Field Team Leader and supported by a data entry operator, an interviewer and a driver. Each team was equipped with materials including a vehicle, laptop, GPS unit and anthropometrics instruments. The Field Team Leader was responsible for supervising and ensuring the quality standards of data collected in his/her team. The typical work schedule of an interviewer during a cycle is shown in Figure 2.1.

Figure 2.1: **Schematic presentation of interviewer's work schedule in the cluster during a cycle**

Day	Household 1-5		Household 6-10	
1	Household Roster			
2	Recall of food consumption during the past 7 days			
3	Dairy day 1		Recall of food consumption during the past 7 days	
4	Dairy day 2	Visit 1	Dairy day 1	
5	Dairy day 3		Dairy day 2	Visit 1
6	Dairy day 4	Visit 2	Dairy day 3	
7	Dairy day 5		Dairy day 4	Visit 2
8	Dairy day 6	Visit 3	Dairy day 5	
9	Dairy day 7		Dairy day 6	Visit 3
10	Dairy day 8	Visit 4	Dairy day 7	
11	Dairy day 9		Dairy day 8	Visit 4
12	Dairy day 10	Visit 5	Dairy day 9	
13	Dairy day 11		Dairy day 10	Visit 5
14	Dairy day 12	Visit 6	Dairy day 11	
15	Dairy day 13		Dairy day 12	Visit 6
16	Dairy day 14	Visit 6	Dairy day 13	
17			Dairy day 14	Visit 6
18	Final visits			
19				
20	Slack			
21				

2.3 Quality control

CBS recognises that a survey as large and complex as the KIHBS, and which requires a large number of personnel is particularly prone to non-sampling errors. Therefore, to ensure and safeguard data quality, best-practice approaches and procedures were built-in during the design phase and implemented by a strong managerial team. Some of the key quality control and safeguard measures implemented by the KIHBS are described below.

Hiring and training

At the national level, the KIHBS was coordinated by a national management team that was appointed on diverse dates. This team was composed of two experienced technical managers from CBS, a logistics and administration manager and a project manager. The core team assumed full-time responsibility for the KIHBS project and coordinated all aspects of the survey. Having a strong and highly skilled core management team in place was one of the necessary conditions that greatly contributed to the successful design and implementation of the KIHBS.

Given the complexity of the survey questionnaires, training was taken as an extremely important aspect of survey preparations. The personnel selected to train interviewers underwent two intensive training workshops. The first workshop took place in November 2004 prior to the pilot survey while the second was conducted in February 2005. An intensive training and testing programme for the interviewers took place from March to April 2005. An additional two-day refresher-training course was held two days before the start of the KIHBS fieldwork on May 16, 2005.

Great care was taken in hiring the research assistants. These personnel were hired from the private sector after thorough screening. Minimum selection requirements included computer literacy and fluency in one or more of respective local languages and dialects. To the extent possible, interviewers were selected directly from the districts in which they would be assigned to collect data. This hiring and training strategy was complemented by translation of the household questionnaires into 12 different Kenyan languages. Together, these measures greatly facilitated the conducting of interviews in local languages and contributed to the high KIHBS response and completion rates.

Field supervision

In order to ensure quality control of the data collected, a team of CBS staff, designated as coordinators, visited the field teams once every cycle for at least six days. This helped to ensure the field teams were adhering to instructions they received during the training programme and contained in the KIHBS interviewer manual. It also contributed in building first-hand knowledge of the clusters and field collection conditions among the CBS staff, which is critical at the analysis stage. The CBS staff who contributed to this report are intimately familiar with the data.

The coordinators were also responsible for ensuring that focus group discussions were held with the assistance of the District Statistical Officers (DSOs); the latter were instrumental in ensuring that teams were clear on their cluster boundaries. They were also responsible for providing any required logistical support to the team on the ground.

Data entry in the field

All the KIHBS data was captured on specially programmed laptops in the field and data from each cluster was captured before the end of each cycle. Experience from many countries over the past 20 years has shown that the integration of computer-based quality controls and data entry in field operations brings about several benefits. Firstly, it significantly improves the quality of the information, because it permits correction of errors and inconsistencies while the interviewers responsible for collecting the data are still in the field. Besides being lengthy and time-consuming, ex-post office data entry and cleaning processes at best ensure the database is internally consistent, but this may not necessarily reflect realities actually observed on the ground.

Secondly, it can generate databases that are ready for tabulation and analysis in a timely fashion; the quick turn around from completing data collection activities to producing this report is a testimony of this. In fact, parts of the database may even be prepared as the survey is conducted (as was the case with the KIHBS), thus giving the survey managers the ability to effectively monitor field operations. Thirdly, an indirect advantage of integration is that it fosters the application of uniform criteria by all interviewers throughout the data collection period. The computer indeed became an incorruptible and tireless assistant of the KIHBS survey teams. All

completed questionnaires and electronic cluster data were sent to the headquarters either by courier or delivered by coordinators at the end of every cycle. At headquarters, one administrative team was responsible for receiving and dispatching questionnaires every cycle. A second team was charged with the data quality control of the field data entry operation. This was performed by manually entering data from a sample of returned questionnaires (specifically the first four cycles) to compare with the same data entered in the field. The field data entry operation was found to produce an extremely robust and high quality database.

2.4 Questionnaire design

The KIHBS instruments were organised in four questionnaires[1]:

(1) A household questionnaire;
(2) Household diaries to record consumption and purchases;
(3) A market price questionnaire and,
(4) A community questionnaire.

The household questionnaire

This questionnaire consists of 21 integrated modules designed to collect information on the following: demographics; education; health, fertility and mortality; labour; child health and anthropometry; housing; water, sanitation and energy use; food consumption and expenditures; expenditures on non-food items and durable goods; agricultural holdings, activities and outputs; livestock; household enterprises; transfers; income; credit; and recent shocks to household welfare. All modules were completed by the KIHBS interviewers through regular visits to sampled households during a three-week period.

Household diaries

Two types of diaries were given to the households. One diary was used to keep a record of goods and services purchased by the household while the other was used to record goods and services consumed by the household. These diaries and accompanying verbal instructions were given to the household during the 2nd or 3rd day of the cycle to be completed daily over a two-week period. Because some households were illiterate or had other problems in completing the diaries, interviewers visited households at least once every two days to ensure diaries were being filled and to provide assistance if required.

Community questionnaire

A community questionnaire was administered in each cluster to a small group of minimum five knowledgeable community members who were selected with the assistance of local administration. Administration of the questionnaire was the responsibility of the field team leader.

The community questionnaire was used to collect information about the community in which the sampled households reside. Such information included basic physical infrastructure, access to and quality of public services, economic activities, agriculture, community welfare, security and safety.

Market prices questionnaire

This questionnaire was administered by the Field Team Leader at a market place where the sampled households reported making regular purchases. This instrument was used to collect the prices of all goods and services available in the market for the purpose of standardising units and measures of commodities and purchases and also providing average valuation prices for consumption items.

Use of Global Positioning System (GPS)

One of the unique characteristics of KIHBS was the use of Global Positioning System (GPS) to capture the precise location of households within the cluster.

2.5 Data capture and validation

The volume of data collected from the KIHBS was massive and called for proper advance arrangements to avoid delays in data capture. Data capture is usually a tedious activity and if not strategically organised, it can cause delays in the final analysis and report writing. Consequently, laptops were purchased and assigned to all the 44 teams operating country-wide. Each team had a data entry operator whose assignment was to ensure that data was collected and simultaneously captured into the computer. A domesticated data capture program was developed by CBS data processing staff and piloted during the training of research assistants. Based on field data entry experience, the program

[1] Copies of the questionnaire can be downloaded from the CBS website (www.cbs.go.ke).

was refined and upgraded on a continuous basis. Completed questionnaires received from the field were stored in an exclusive survey room. These were organised in such a way that they could be easily accessible during the data cleaning process. Data captured on flash disks was transferred to three different computers. In addition, off-site back-up was also done at least once a week until all the data was assembled.

2.6 Data analysis

Data was captured using a stand-alone program created using Fox-pro software. The analysis was done using SPSS version 12, while the report writing was done in Microsoft Word and the tables were formatted using Microsoft Excel.

2.7 Survey limitations

- Training on Fund Management in the field for the research assistants was overlooked. This caused great difficulties especially when it came to surrendering fuel and other advances to the Team Leaders.

- The KIHBS survey was designed to provide district estimates. This implies that for certain variables, e.g. children per household, the estimates may not be very reliable as a result of the small sample especially for the district with only 17 clusters.

- The demand for constituency estimates was more pronounced midway into the KIHBS. Thus, for the same reason the constituency level estimates may be very biased except where the district is the same as the constituency.

- The use value of assets, rental value for owner occupier, and value of own consumption of goods and services, are all based on estimates given by the respondents. These values should be interpreted with caution.

- The literacy figures (ability to read and write) are based on the respondents self-reporting. No objective test was carried out to validate the responses given.

- Although a module has been included to collect data on livestock, it is not possible to provide the national estimates. No livestock census has been carried out in Kenya, and therefore livestock weights have not been developed.

Chapter 3 | Household Characteristics

3.0 Introduction

Information on household characteristics is important in planning for a country's development. It provides an indication of future resources required towards provision of goods and services to the population by the government.

This chapter presents basic demographic characteristics of household members based on Kenya Integrated Household Budget Survey (KIHBS) findings. The background characteristics such as age date of birth, place of residence, sex, household headship, marital status and living arrangement of children are discussed.

In the KIHBS, a household is defined as *a person or a group of persons living in the same compound (fenced or unfenced), who are answerable to the same household head and share a common source of food and/or income. The household head on the other hand is defined as the member who makes day-to-day decisions in the household and whose authority is acknowledged by other members.* The household was the unit of enumeration. All household members' characteristics were obtained on the first visit to the household.

3.1 Population by age and sex

Sex disaggregated data are important in identifying existing gender disparities and gaps. The analysis provides useful information that can be used for future planning and policy formulation. Disaggregated data not only provides a useful indication on progress made towards achieving the third Millennium Development Goal (MDG) on reduction of gender disparity and empowerment of women, but it also reveals imbalances between the sexes that may affect social and economic relationships of communities within a country.

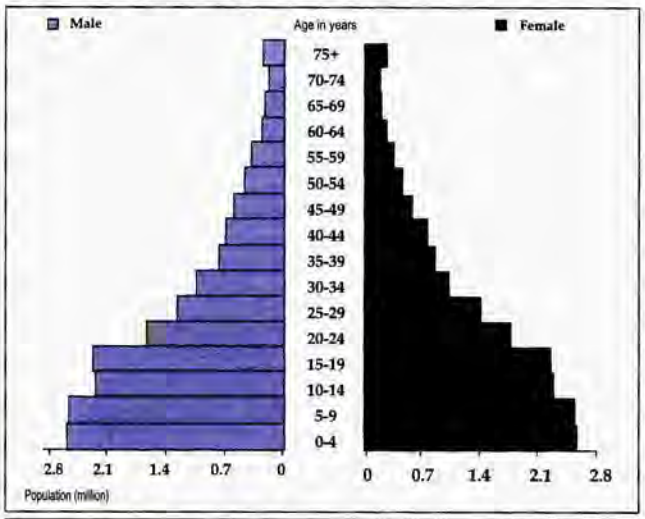
3.2 Population distribution

The distribution of population by sex and region is presented in Table 3.1. The distribution conforms to the expected pattern that indicates a slightly higher proportion of females (50.7%) than males (49.3%). This pattern of distribution is exhibited across all provinces with the exception of North Eastern and Rift Valley Provinces, which depart from the norm with the proportion of males being higher than that of females.

3. 3 Age-sex structure

Table 3.2 gives population distribution by sex and age. This breakdown is useful for the government in formulating policy and also for socio-economic development. The breakdown by age and sex is present graphically by the population pyramid, Figure 3.1.[2] The age-sex structure of a population is useful in calculating the sex ratio and age dependency ratio, among others.

Figure 3.1: **Population pyramid**



3.4 Sex ratio

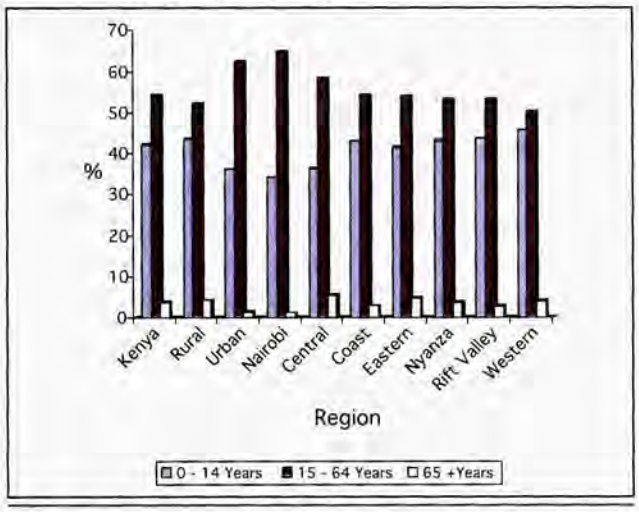
Sex ratio refers to the number of males for every 100 females in a population. This demographic measure illustrates the age-sex structure pattern in a population. On the basis of the KIHBS, Kenya's sex ratio stands at 97 males per 100 females as shown in Table 3.3. Kenya Demographic and Health Survey (KDHS) reported the same figure of 97, while the 1999 Population Census gave a sex ratio of 98, suggesting that the sex ratio has remained stable over the years.

[2] The shape of the 2005/2006 (KIHBS) pyramid is similar to the 1989 and 1999 censuses, and KDHS 2003. It has a broad base, which tapers off with increasing age.

At 97 males per 100 females, the rural sex ratio is significantly lower than the urban ratio of 99. This is expected because more males than females move from rural areas to urban centres to work or in search of jobs.

Figure 3.2 and Table 3.4 present the distribution of population by broad age groups and region. North Eastern Province has the highest proportion of population aged 0-14 years (53.2%). Except for Nairobi and Central Provinces, all other provinces have more than 40 per cent of their population in the 0-14 age group. Nairobi Province has the highest proportion aged 15-64. Central Province recorded the highest proportion of persons aged 65 and above, an indication of longevity of life in the province.

Figure 3.2: **Percentage distribution of population by broad age groups and region**



3.5 Age dependency

The proportion of population aged 0-14 years is 41.9 per cent, a decline from 44 per cent in 1999. The share of population aged 15-64 years is 54.2 per cent while that of the population aged 65 years and above stands at 3.6 per cent as shown in Table 3.4.

Data on population by these broad categories is important in calculating the age dependency ratio, which is defined as the proportion of population that is dependent on the working-age population. The age groups 0-14 and 65 years and above is taken to be the dependent population and is divided by the population aged 15-64 years to obtain the dependency ratio. Based on this definition, the dependency ratio estimated by KIHBS stands at 84, which is a decline from the ratio of 90 recorded in 1999.

3.6 Household composition

Household size

The survey collected information on all members of sampled households and visitors who had spent the previous night in the household. Table 3.5 presents the mean household size by region among other variables.

The mean size of Kenyan households is 5.1 members compared to 4.4 members recorded in the 1999 Population Census. Households in the rural areas recorded an average household size of 5.5 members compared to that of urban households of 4.0 members. The highest average household size of 6.0 members was recorded in North Eastern Province, while the lowest of 3.8 members was registered in Nairobi province. Districts with the highest average household size were Mt. Elgon (7.2 members) and Moyale (7.3 members). The lowest household size was observed in Murang'a district (3.9 %), followed by Nyeri and Thika Districts, each with an average household size of 4.1 members. On average, households with seven (7) or more members account for 26.7 per cent of all households. Moyale District had more than half of its households with seven (7) or more members.

Household headship

Table 3.6 shows the distribution of population by headship and region. At national level, for every ten (10) households, seven (7) are headed by males while three (3) are headed by females. Female-headed households were higher in rural areas at 30.9 per cent compared to 23.0 per cent in urban areas. However, the proportion of female-headed households indicates a downward trend from previous studies. Nairobi province recorded the lowest percentage of female-headed households while Nyanza Province registered the highest prevalence of 36.2 per cent.

In all districts except Samburu and Bondo, the majority of households were predominantly headed by males. Samburu District recorded 79.1 per cent households headed by females, followed by Bondo District (56.0%). Other districts with notably higher proportions of female-headed households were Suba (47.4%), Mwingi (45.2%), Lugari (42.2%) and Kitui (41.8%) districts. Siaya District, which recorded the highest proportion of female-headed households in the 1999 Population and Housing Census, now recorded a 60.2 per cent proportion of male-headed households.

The highest proportion of household heads is found in the 30-34 years age group at 14.0 per cent as presented in Table 3.8. Overall, 42.8 per cent of household heads are aged below 40 years, while 57.2 per cent are aged 40 years and above. For the rural-dwelling households, 30.6 per cent of their heads are aged over 54 years while for urban households; this age bracket comprises only 11.5 per cent.

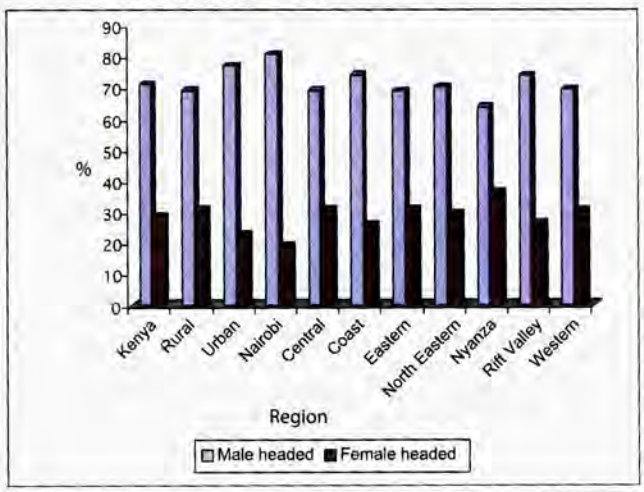
3.7 Marital status

Distribution of households by marital status is shown in Table 3.9. Nationally, 63.5 per cent of households heads are married into monogamous unions, with no variation between rural and urban households. The second most common marital status for household heads is that of widows/widowers with 14.7 per cent.

The KIHBS interviewers asked all respondents aged 10 years and above living in the household about their marital status. This is presented in Table 3.10. Data from the KIHBS indicates that 38.8 per cent of the population aged 18 years and above has never been married, while approximately 43 per cent are currently in a monogamous union.

Rift Valley Province recorded the highest percentage (40.8%) of the population that has never married followed by Western Province (39.6%). The highest percentage of monogamous unions was observed in Nairobi (47.4%). North Eastern Province has the highest (13.3%) proportion of polygamous marriages followed by Coast Province (8.7%). Nyanza Province recorded the highest (9.1%) proportion of widows/widowers. Divorce prevalence was highest in North Eastern Province (3.8%) and lowest in Nyanza Province (0.2%).

Figure 3.3: **Percentage distribution of population by sex of household head**



3.8 Orphanhood

Table 3.11 presents the distribution of children aged 0-14 years by living arrangements and survival status of parents and region.

At national level, 64 per cent of children live with both parents, while 20.5 per cent live with their mothers but not fathers, 2.4 per cent live with their fathers and not their mothers. About 6 per cent live with neither of the parents suggesting that they live with a "guardian".

Data on orphanhood show that 5 per cent have lost their fathers, 1.2 per cent have lost both parents ("double-orphans"). At provincial level, double orphanhood is higher in Nyanza Province where 3.2 per cent of children have lost both parents. The districts in Nyanza that contribute to most double orphanhood are Homa Bay (6.3%), Suba (8.3%), and Bondo (9.6%).

Table 3.1: **Percentage distribution of Population by Sex and Region**

Region	Male	Female	Total Count	Region	Male	Female	Total Count
Kenya	**49.3**	**50.7**	**35,514,542**	**Nyanza**	**47.8**	**52.2**	**5,051,562**
				Gucha	49.0	51.0	514,570
Rural	49.1	50.9	28,363,345	Homa Bay	46.3	53.7	307,296
Urban	49.8	50.2	7,151,197	Kisii	48.1	51.9	534,568
				Kisumu	48.7	51.3	650,846
Nairobi	**49.8**	**50.2**	**2,807,155**	Kuria	52.4	47.6	194,053
				Migori	45.9	54.1	568,593
Central	**47.5**	**52.5**	**4,377,915**	Nyamira	46.5	53.5	571,379
Kiambu	47.8	52.2	978,038	Rachuonyo	46.2	53.8	399,240
Kirinyaga	48.0	52.0	541,865	Siaya	49.1	50.9	552,509
Murang'a	44.6	55.4	367,386	Suba	48.2	51.8	162,577
Nyandarua	47.9	52.1	541,614	Bondo	46.9	53.1	252,431
Nyeri	47.1	52.9	757,361	Nyando	48.7	51.3	343,501
Thika	46.9	53.1	723,303				
Maragua	49.4	50.6	468,347	**Rift Valley**	**51.2**	**48.8**	**8,728,247**
				Baringo	50.2	49.8	377,416
Coast	**48.5**	**51.5**	**3,278,668**	Bomet	50.2	49.8	462,240
Kilifi	48.5	51.5	603,872	Keiyo	48.5	51.5	193,744
Kwale	50.0	50.0	735,141	Kajiado	50.3	49.7	486,700
Lamu	50.7	49.3	80,472	Kericho	56.2	43.8	477,983
Mombasa	48.2	51.8	890,596	Koibatek	51.3	48.7	186,691
Taita Taveta	48.0	52.0	306,935	Laikipia	53.8	46.2	423,588
Tana River	49.3	50.7	273,838	Marakwet	50.4	49.6	178,366
Malindi	45.8	54.2	387,814	Nakuru	53.1	46.9	1,331,206
				Nandi	50.6	49.4	770,953
Eastern	**49.3**	**50.7**	**5,821,635**	Narok	49.5	50.5	472,382
Embu	50.0	50.0	368,090	Samburu	49.7	50.3	199,219
Isiolo	51.0	49.0	113,698	Trans Mara	51.0	49.0	198,722
Kitui	45.7	54.3	644,013	Trans Nzoia	48.9	51.1	880,327
Makueni	50.7	49.3	990,023	Turkana	51.8	48.2	538,949
Machakos	48.6	51.4	1,201,853	Uasin Gishu	51.1	48.9	761,022
Marsabit	50.7	49.3	140,157	West Pokot	49.1	50.9	376,668
Mbeere	49.4	50.6	205,423	Buret	51.1	48.9	412,071
Meru Central	51.5	48.5	597,683				
Moyale	51.5	48.5	75,782	**Western**	**48.7**	**51.3**	**4,343,051**
Mwingi	47.2	52.8	382,782	Bungoma	50.1	49.9	1,188,441
Meru North	50.2	49.8	731,215	Busia	50.1	49.9	533,678
Tharaka	44.2	55.8	119,873	Mt. Elgon	50.7	49.3	225,493
Meru South	49.8	50.2	251,043	Kakamega	46.4	53.6	668,480
				Lugari	49.4	50.6	269,514
North Eastern	**51.4**	**48.6**	**1,106,309**	Teso	49.2	50.8	252,687
Garissa	50.9	49.1	398,676	Vihiga	46.3	53.7	618,792
Mandera	50.8	49.2	318,791	Butere/Mumias	48.1	51.9	585,967
Wajir	52.3	47.7	388,843				

Table 3.2: **Percentage distribution of Population by Age Group**

Age Group	Male	Female	Total	Total Count
0-4	7.3	7.2	14.6	5,177,183
5 - 9	7.3	7.2	14.5	5,149,903
10 - 14	6.4	6.5	12.9	4,565,977
15 - 19	6.5	6.4	12.9	4,573,740
20 - 24	4.6	5.0	9.6	3,420,709
25 - 29	3.6	4.0	7.5	2,680,337
30 - 34	2.9	2.9	5.8	2,074,495
35 - 39	2.1	2.5	4.6	1,635,667
40 - 44	1.9	2.2	4.1	1,468,079
45 - 49	1.6	1.7	3.3	1,186,322
50 - 54	1.3	1.3	2.6	909,215
55 - 59	1.1	1.0	2.1	747,202
60 - 64	0.7	0.8	1.5	548,539
65 - 69	0.6	0.6	1.3	445,604
70 - 74	0.5	0.4	0.9	317,408
75+	0.7	0.8	1.4	513,490
Total	**49.1**	**50.6**	**99.7**	**35,514,542**

Not stated accounts for 0.3 %

Table 3.3: **Percentage distribution of Population by Sex and Age group**

	Age group	Male	Female	Total Count	Sex Ratio
Kenya	Overall	49.3	50.7	35,514,542	97.1
	0-4	50.4	49.6	5,177,183	101.5
	5 - 9	50.2	49.8	5,149,903	100.7
	10 - 14	49.8	50.2	4,565,977	99.0
	15 - 19	50.4	49.6	4,573,740	101.5
	20 - 24	47.8	52.2	3,420,709	91.5
	25 - 29	47.3	52.7	2,680,337	89.6
	30 - 34	50.2	49.8	2,074,495	101.0
	35 - 39	46.4	53.6	1,635,667	86.6
	40 - 44	47.0	53.0	1,468,079	88.7
	45 - 49	49.3	50.7	1,186,322	97.2
	50 - 54	49.8	50.2	909,215	99.2
	55 - 59	50.9	49.1	747,202	103.7
	60 - 64	46.2	53.8	548,539	86.0
	65 - 69	48.7	51.3	445,604	94.8
	70 - 74	51.1	48.9	317,408	104.7
	75+	46.2	53.8	513,490	85.8
	Not Stated	50.6	49.4	100,672	-
Rural	Overall	49.1	50.9	28,363,345	96.6
	0-4	50.4	49.6	4,158,429	101.6
	5 - 9	50.5	49.5	4,305,158	102.0
	10 - 14	49.7	50.3	3,850,501	98.8
	15 - 19	51.2	48.8	3,803,361	104.9
	20 - 24	49.3	50.7	2,486,192	97.2
	25 - 29	46.9	53.1	1,849,924	88.3
	30 - 34	48.8	51.2	1,488,503	95.4
	35 - 39	44.3	55.7	1,190,389	79.4
	40 - 44	45.3	54.7	1,159,679	82.7
	45 - 49	46.0	54.0	932,798	85.2
	50 - 54	48.7	51.3	768,999	94.9
	55 - 59	49.6	50.4	629,091	98.4
	60 - 64	44.8	55.2	488,136	81.2
	65 - 69	47.2	52.8	405,661	89.6
	70 - 74	50.4	49.6	295,772	101.6
	75+	46.5	53.5	477,136	87.0
	Not Stated	51.6	48.4	73,617	-
Urban	Overall	49.8	50.2	7,151,197	99.3
	0-4	50.2	49.8	1,018,754	101.0
	5 - 9	48.5	51.5	844,745	94.3
	10 - 14	50.2	49.8	715,476	100.6
	15 - 19	46.3	53.7	770,380	86.2
	20 - 24	43.8	56.2	934,518	78.1
	25 - 29	48.1	51.9	830,413	92.6
	30 - 34	53.9	46.1	585,992	116.7
	35 - 39	52.2	47.8	445,278	109.2
	40 - 44	53.7	46.3	308,399	115.8
	45 - 49	61.4	38.6	253,524	159.1
	50 - 54	55.9	44.1	140,216	126.7
	55 - 59	57.8	42.2	118,111	137.2
	60 - 64	57.9	42.1	60,404	137.6
	65 - 69	63.0	37.0	39,943	170.3
	70 - 74	61.5	38.5	21,637	160.0
	75+	41.8	58.2	36,354	71.8
	Not Stated	48.0	52.0	27,055	-

Table 3.4: **Percentage distribution of Population by Broad age-group and Age Dependancy Ratio and region**

Region	Age-Group			Total Count	Age Dependancy Ratio
	0 - 14	15 - 64	65 +		
Kenya	**41.9**	**54.2**	**3.6**	**35,514,542**	**84.0**
Rural	43.4	52.2	4.2	28,363,345	91.2
Urban	36.1	62.2	1.4	7,151,197	60.2
Nairobi	**33.9**	**64.5**	**1.1**	**2,807,155**	**54.4**
Central	**36.1**	**58.3**	**5.4**	**4,377,915**	**71.3**
Kiambu	38.7	56.8	4.5	978,038	75.9
Kirinyaga	33.1	63.3	3.4	541,865	57.5
Murang'a	30.5	58.8	10.7	367,386	69.9
Nyandarua	40.6	53.9	5.4	541,614	85.4
Nyeri	33.1	61.6	4.9	757,361	61.6
Thika	38.4	57.4	4.2	723,303	74.3
Maragua	35.3	56.3	8.1	468,347	77.2
Coast	**42.8**	**54.2**	**2.9**	**3,278,668**	**84.5**
Kilifi	45.8	50.9	3.2	603,872	96.3
Kwale	46.4	50.5	3.2	735,141	98.2
Lamu	44.9	51.9	3.0	80,472	92.2
Mombasa	36.2	62.2	1.6	890,596	60.8
Taita Taveta	37.3	57.0	5.4	306,935	75.1
Tana River	49.1	47.1	3.7	273,838	112.0
Malindi	46.3	50.9	2.4	387,814	95.4
Eastern	**41.4**	**53.8**	**4.7**	**5,821,635**	**85.6**
Embu	31.3	63.1	5.5	368,090	58.3
Isiolo	47.0	49.8	3.1	113,698	100.7
Kitui	46.0	48.6	5.2	644,013	105.2
Makueni	41.9	53.2	4.8	990,023	87.8
Machakos	40.7	54.1	5.2	1,201,853	84.9
Marsabit	48.1	47.9	3.6	140,157	107.9
Mbeere	40.4	53.6	5.5	205,423	85.6
Meru Central	35.8	59.7	4.2	597,683	67.0
Moyale	47.6	47.6	4.7	75,782	109.7
Mwingi	45.0	51.1	3.6	382,782	95.1
Meru North	44.5	51.6	3.8	731,215	93.7
Tharaka	47.6	48.3	3.6	119,873	106.0
Meru South	33.4	60.8	5.6	251,043	64.2
North Eastern	**53.2**	**43.0**	**3.7**	**1,106,309**	**132.3**
Garissa	51.1	45.6	3.1	398,676	119.0
Mandera	55.1	41.3	3.4	318,791	141.7
Wajir	53.8	41.7	4.4	388,843	139.6
Nyanza	**43.0**	**53.1**	**3.8**	**5,051,562**	**88.0**
Gucha	38.4	58.0	3.6	514,570	72.4
Homa Bay	46.9	47.6	5.3	307,296	109.4
Kisii	45.0	51.3	3.7	534,568	95.1
Kisumu	37.8	60.0	1.9	650,846	66.3
Kuria	47.2	50.0	2.7	194,053	99.9
Migori	47.2	49.5	3.0	568,593	101.3
Nyamira	41.5	54.5	4.0	571,379	83.6
Rachuonyo	46.2	49.7	4.0	399,240	101.2
Siaya	43.0	52.0	5.0	552,509	92.4
Suba	43.0	52.3	4.6	162,577	90.9
Bondo	41.7	51.2	6.5	252,431	94.1
Nyando	42.7	53.8	3.4	343,501	85.7
Rift Valley	**43.6**	**53.2**	**2.7**	**8,728,247**	**86.9**
Baringo	43.2	52.7	2.3	377,416	86.4
Bomet	48.1	49.4	2.1	462,240	101.7
Keiyo	40.4	56.5	2.8	193,744	76.4
Kajiado	45.4	52.3	2.0	486,700	90.7
Kericho	45.4	53.3	1.2	477,983	87.4
Koibatek	42.1	53.5	4.3	186,691	86.6

Next page ►

Table 3.4: **Contd...**

Region	Age-Group			Total Count	Age Dependancy Ratio
	0 - 14	15 - 64	65 +		
Laikipia	39.2	56.4	4.1	423,588	76.9
Marakwet	47.5	49.0	3.6	178,366	104.2
Nakuru	40.2	56.7	2.3	1,331,206	75.0
Nandi	43.6	52.3	3.9	770,953	90.8
Narok	52.0	45.1	2.8	472,382	121.5
Samburu	52.3	41.8	3.4	199,219	133.2
Trans Mara	53.6	44.7	1.7	198,722	123.7
Trans Nzoia	38.3	56.1	3.3	880,327	74.2
Turkana	45.6	52.8	1.6	538,949	89.4
Uasin Gishu	38.3	58.9	2.9	761,022	69.9
West Pokot	48.3	48.5	2.8	376,668	105.4
Buret	45.5	52.8	1.7	412,071	89.5
Western	**45.7**	**50.0**	**4.1**	**4,343,051**	**99.4**
Bungoma	45.9	51.4	2.3	1,188,441	93.8
Busia	48.7	46.5	4.0	533,678	113.4
Mt. Elgon	49.0	48.4	2.6	225,493	106.5
Kakamega	45.3	50.0	4.7	668,480	100.1
Lugari	42.4	53.7	3.9	269,514	86.3
Teso	47.5	48.9	3.4	252,687	104.1
Vihiga	41.5	51.5	6.8	618,792	93.8
Butere/Mumias	46.6	48.3	5.0	585,967	106.9

"Not Stated' Accounts for 0.3%

Table 3.5: **Percentage distribution of Households by Household Size**

Region	Household Members				Total Count	Mean HH Size
	1-2	3-4	5-6	7+		
Kenya	**18.7**	**27.3**	**27.3**	**26.7**	**6,961,873**	**5.1**
Rural	14.5	24.9	29.5	31.1	5,194,146	5.5
Urban	31.0	34.7	20.7	13.6	1,767,727	4.0
Nairobi	**28.8**	**39.7**	**21.3**	**10.2**	**726,782**	**3.8**
Central	**22.8**	**31.8**	**28.8**	**16.7**	**990,283**	**4.4**
Kiambu	12.6	28.0	35.4	24.0	191,227	5.1
Kirinyaga	20.5	37.6	30.9	11.0	129,598	4.2
Murang'a	26.8	36.6	29.6	7.0	94,046	3.9
Nyandarua	21.6	25.8	30.9	21.7	114,535	4.7
Nyeri	27.9	36.2	22.0	14.0	185,123	4.1
Thika	30.1	29.2	23.1	17.6	174,949	4.1
Maragua	20.4	29.9	32.6	17.1	100,806	4.6
Coast	**22.5**	**23.8**	**22.0**	**31.7**	**591,892**	**5.5**
Kilifi	20.2	22.1	22.8	34.8	107,381	5.6
Kwale	10.9	18.9	22.3	47.9	107,145	6.9
Lamu	24.9	17.7	22.8	34.6	15,980	5.0
Mombasa	34.0	30.8	15.5	19.7	198,072	4.5
Taita Taveta	22.1	26.1	32.7	19.1	65,580	4.7
Tana River	7.5	18.6	29.4	44.4	41,043	6.7
Malindi	19.3	14.4	24.4	41.9	56,692	6.8
Eastern	**13.6**	**24.9**	**29.4**	**32.1**	**1,056,829**	**5.5**
Embu	16.6	37.2	27.7	18.5	76,580	4.8
Isiolo	10.5	18.9	31.3	39.3	19,236	6.0
Kitui	13.9	18.2	31.6	36.2	112,066	5.7
Makueni	8.3	18.9	31.6	41.2	158,604	6.2
Machakos	12.6	22.3	30.2	35.0	215,817	5.6
Marsabit	15.7	29.7	24.9	29.7	26,327	5.2
Mbeere	21.1	23.4	29.6	25.9	41,116	5.0
Meru Central	14.4	39.7	28.7	17.3	125,864	4.7
Moyale	2.6	17.8	22.6	57.0	10,395	7.3
Mwingi	12.8	16.3	27.9	43.0	63,579	6.0
Meru North	15.2	23.6	25.7	35.5	129,912	5.6
Tharaka	11.3	28.0	27.9	32.8	22,072	5.4
Meru South	21.7	29.4	32.2	16.7	55,261	4.5
North Eastern	**5.8**	**22.7**	**30.4**	**41.1**	**182,030**	**6.0**
Garissa	9.7	25.6	28.9	35.8	68,955	5.7
Mandera	5.4	21.3	27.7	45.6	49,368	6.4
Wajir	1.8	20.7	34.1	43.5	63,707	6.1
Nyanza	**17.1**	**28.0**	**30.6**	**24.3**	**1,009,661**	**5.0**
Gucha	15.9	25.7	31.5	26.9	98,277	5.2
Homa Bay	25.3	28.2	24.9	21.6	66,650	4.5
Kisii	11.1	25.9	45.1	17.9	102,557	5.2
Kisumu	13.4	28.9	27.9	29.8	121,392	5.4
Kuria	15.7	22.8	25.4	36.0	35,433	5.4
Migori	17.1	26.2	28.4	28.3	111,694	5.1
Nyamira	9.5	28.2	38.6	23.7	111,739	5.1
Rachuonyo	11.8	28.3	24.7	35.2	71,739	5.6
Siaya	24.1	30.4	28.7	16.8	125,268	4.4
Suba	20.1	31.2	29.7	19.0	34,196	4.8
Bondo	20.9	38.6	26.1	14.3	58,970	4.3
Nyando	26.3	22.6	25.5	25.6	71,747	4.8

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Table 3.5: **Contd...**

Region	Household Members				Total Count	Mean HH Size
	1 -2	3-4	5 - 6	7+		
Rift Valley	**17.9**	**25.1**	**27.0**	**30.1**	**1,649,522**	**5.3**
Baringo	13.2	15.4	26.5	44.9	61,186	6.2
Bomet	8.6	18.2	30.1	43.1	75,270	6.1
Keiyo	18.3	19.6	29.9	32.2	35,969	5.4
Kajiado	16.0	30.5	32.5	21.0	103,496	4.7
Kajiado	16.0	30.5	32.5	21.0	103,496	4.7
Kericho	26.7	28.7	27.3	17.2	113,557	4.2
Koibatek	19.6	20.6	23.8	35.9	33,350	5.6
Laikipia	24.5	33.9	24.1	17.5	96,075	4.4
Marakwet	18.3	20.2	26.7	34.8	33,082	5.4
Nakuru	26.7	32.7	25.3	15.4	304,990	4.3
Nandi	16.1	18.5	28.7	36.7	140,149	5.5
Narok	5.7	22.6	32.9	38.8	78,251	6.0
Samburu	6.2	20.9	30.6	42.4	33,141	6.0
Trans Mara	9.5	17.6	34.3	38.6	33,796	5.9
Trans Nzoia	11.6	24.7	21.4	42.3	133,524	6.6
Turkana	7.8	20.4	25.2	46.7	82,869	6.5
Uasin Gishu	22.2	23.1	24.7	30.0	147,167	5.2
West Pokot	9.7	28.3	32.1	29.9	68,601	5.5
Buret	20.6	18.7	24.0	36.7	75,050	5.5
Western	**14.9**	**21.0**	**27.8**	**36.2**	**754,875**	**5.7**
Bungoma	10.0	18.5	25.7	45.9	185,939	6.4
Busia	8.2	18.9	30.7	42.1	84,562	6.3
Mt. Elgon	2.8	24.0	23.4	49.7	31,228	7.2
Kakamega	20.8	26.1	23.8	29.3	130,139	5.1
Lugari	11.3	23.1	28.1	37.5	46,078	5.8
Teso	14.3	13.5	32.4	39.7	42,563	5.9
Vihiga	18.7	25.6	28.6	27.2	120,841	5.1
Butere/Mumias	22.4	17.3	32.5	27.9	113,526	5.2

Table 3.6: **Percentage distribution of Households by Sex of Household head and Region**

Region	Male	Female	Total Count	Region	Male	Female	Total Count
Kenya	**71.1**	**28.9**	**6,964,100**	**Nyanza**	**63.8**	**36.2**	**1,009,943**
				Gucha	69.2	30.8	98,277
Rural	69.1	30.9	5,194,861	Homa Bay	60.2	39.8	66,650
Urban	77.0	23.0	1,769,239	Kisii	60.5	39.5	102,557
				Kisumu	76.6	23.4	121,392
Nairobi	**80.8**	**19.2**	**728,294**	Kuria	76.9	23.1	35,715
				Migori	64.3	35.7	111,694
Central	**69.2**	**30.8**	**990,283**	Nyamira	68.3	31.7	111,739
Kiambu	73.4	26.6	191,227	Rachuonyo	57.8	42.2	71,739
Kirinyaga	81.0	19.0	129,598	Siaya	60.2	39.8	125,268
Murang'a	61.7	38.3	94,046	Suba	52.6	47.4	34,196
Nyandarua	65.4	34.6	114,535	Bondo	44.0	56.0	58,970
Nyeri	66.7	33.3	185,123	Nyando	61.8	38.2	71,747
Thika	67.4	32.6	174,949				
Maragua	65.0	35.0	100,806	**Rift Valley**	**73.7**	**26.3**	**1,649,522**
				Baringo	74.1	25.9	61,186
Coast	**74.1**	**25.9**	**591,892**	Bomet	77.2	22.8	75,270
Kilifi	67.4	32.6	107,381	Keiyo	71.7	28.3	35,969
Kwale	78.1	21.9	107,145	Kajiado	77.7	22.3	103,496
Lamu	76.6	23.4	15,980	Kericho	86.5	13.5	113,557
Mombasa	77.3	22.7	198,072	Koibatek	81.2	18.8	33,350
Taita Taveta	61.1	38.9	65,580	Laikipia	69.3	30.7	96,075
Tana River	82.6	17.4	41,043	Marakwet	74.6	25.4	33,082
Malindi	76.4	23.6	56,692	Nakuru	74.4	25.6	304,990
				Nandi	73.8	26.2	140,149
Eastern	**69.0**	**31.0**	**1,056,716**	Narok	81.3	18.7	78,251
Embu	78.5	21.5	76,580	Samburu	20.9	79.1	33,141
Isiolo	71.8	28.2	19,124	Trans Mara	89.2	10.8	33,796
Kitui	58.2	41.8	112,066	Trans Nzoia	64.5	35.5	133,524
Makueni	65.8	34.2	158,604	Turkana	48.5	51.5	82,869
Machakos	66.3	33.7	215,817	Uasin Gishu	82.1	17.9	147,167
Marsabit	67.6	32.4	26,327	West Pokot	70.3	29.7	68,601
Mbeere	75.8	24.2	41,116	Buret	84.6	15.4	75,050
Meru Central	74.7	25.3	125,864				
Moyale	68.7	31.3	10,395	**Western**	**69.4**	**30.6**	**754,875**
Mwingi	54.8	45.2	63,579	Bungoma	76.3	23.7	185,939
Meru North	77.4	22.6	129,912	Busia	69.4	30.6	84,562
Tharaka	69.8	30.2	22,072	Mt. Elgon	76.7	23.3	31,228
Meru South	75.0	25.0	55,261	Kakamega	70.5	29.5	130,139
				Lugari	57.8	42.2	46,078
North Eastern	**70.3**	**29.7**	**182,575**	Teso	66.5	33.5	42,563
Garissa	76.7	23.3	69,500	Vihiga	62.9	37.1	120,841
Mandera	73.0	27.0	49,368	Butere/Mumias	67.6	32.4	113,526
Wajir	61.2	38.8	63,707				

Table 3.7: **Percentage Distribution of Households by sex of household head and Age group***

	Age (years)	Male	Female	Total Count
Kenya	Overall	71.1	28.9	6,960,217
	0-14	23.7	76.3	216
	15 -19	70.1	29.9	41,528
	20 -24	67.9	32.1	311,911
	25 -29	75.9	24.1	782,771
	30 -34	79.0	21.0	973,352
	35 -39	73.2	26.8	868,383
	40 -44	72.6	27.4	839,589
	45 -49	72.7	27.3	742,814
	50 -54	68.3	31.7	606,642
	55 -59	69.7	30.3	507,924
	60 -64	63.1	36.9	378,787
	65 +	60.9	39.1	906,300
Rural	**Overall**	**69.1**	**30.9**	**5,194,034**
	15 -19	64.5	35.5	16,254
	20 -24	60.0	40.0	165,481
	25 -29	75.7	24.3	450,276
	30 -34	78.4	21.6	645,286
	35 -39	71.2	28.8	606,781
	40 -44	70.7	29.3	652,121
	45 -49	71.4	28.6	549,472
	50 -54	66.5	33.5	515,202
	55 -59	69.4	30.6	416,010
	60 -64	62.1	37.9	331,575
	65 +	60.3	39.7	842,670
Urban	**Overall**	**77.0**	**23.0**	**1,769,239**
	0-14	23.7	76.3	216
	15 -19	73.7	26.3	25,274
	20 -24	76.8	23.2	146,430
	25 -29	76.2	23.8	332,495
	30 -34	80.4	19.6	328,066
	35 -39	77.8	22.2	261,603
	40 -44	79.4	20.6	187,468
	45 -49	76.4	23.6	193,342
	50 -54	78.9	21.1	91,440
	55 -59	70.7	29.3	91,914
	60 -64	70.7	29.3	47,212
	65 +	68.3	31.7	63,630

* Age not stated accounts for descrepancy in number of households.

Table 3.8: **Percentage distribution of Household Heads by sex, and Age group**

	Age (years)	Male	Female	Total
Rural		72.5	79.8	74.6
Urban		27.5	20.2	25.4
Kenya	**Overall**	**4,949,922**	**2,010,295**	**6,960,217**
	0-14	0.0	0.0	0.0
	15 -19	0.6	0.6	0.6
	20 -24	4.3	5.0	4.5
	25 -29	12.0	9.4	11.2
	30 -34	15.5	10.1	14.0
	35 -39	12.8	11.6	12.5
	40 -44	12.3	11.4	12.1
	45 -49	10.9	10.1	10.7
	50 -54	8.4	9.6	8.7
	55 -59	7.1	7.7	7.3
	60 -64	4.8	6.9	5.4
	65 +	11.1	17.6	13.0
Rural	**Overall**	**3,589,946**	**1,604,088**	**5,194,034**
	15 -19	0.3	0.4	0.3
	20 -24	2.8	4.1	3.2
	25 -29	9.5	6.8	8.7
	30 -34	14.1	8.7	12.4
	35 -39	12.0	10.9	11.7
	40 -44	12.8	11.9	12.6
	45 -49	10.9	9.8	10.6
	50 -54	9.5	10.8	9.9
	55 -59	8.0	7.9	8.0
	60 -64	5.7	7.8	6.4
	65 +	14.2	20.8	16.2
Urban	**Overall**	**1,362,243**	**406,996**	**1,769,239**
	0-14	0.0	0.0	0.0
	15 -19	1.4	1.6	1.4
	20 -24	8.3	8.3	8.3
	25 -29	18.6	19.5	18.8
	30 -34	19.4	15.8	18.5
	35 -39	14.9	14.3	14.8
	40 -44	10.9	9.5	10.6
	45 -49	10.8	11.2	10.9
	50 -54	5.3	4.7	5.2
	55 -59	4.8	6.6	5.2
	60 -64	2.5	3.4	2.7
	65 +	3.2	5.0	3.6

Table 3.9: **Percentage distribution of Household Heads by Marital Status and Region**

Region	Monogamous	Polygamous	Living Together	Separated	Divorced	Widow or Widower	Never Married	Total Count
Kenya	**63.5**	**10.1**	**1.1**	**2.7**	**1.6**	**14.7**	**6.3**	**6,921,073**
Rural	63.6	11.7	0.4	2.6	1.3	17.3	3.1	5,164,467
Urban	63.3	5.3	3.1	3.2	2.4	7.0	15.8	1,756,606
Nairobi	**64.0**	**4.1**	**5.7**	**2.6**	**1.6**	**6.3**	**15.7**	**723,057**
Central	**68.4**	**2.0**	**0.5**	**4.4**	**1.1**	**15.9**	**7.6**	**988,789**
Kiambu	73.6	0.4		3.4	2.3	14.7	5.5	191,227
Kirinyaga	71.3	3.0	0.2	5.3	1.0	13.7	5.6	129,598
Murang'a	68.9	2.5		2.3	0.8	21.4	4.1	94,045
Nyandarua	64.6	1.9		2.4	1.6	17.0	12.5	114,535
Nyeri	68.9	1.0	2.7	1.6	0.6	14.9	10.2	185,123
Thika	61.9	3.1		10.4	0.5	13.5	10.6	174,197
Maragua	69.1	3.2		4.5	0.5	20.7	2.0	100,065
Coast	**58.7**	**12.8**	**0.3**	**3.1**	**4.3**	**14.4**	**6.4**	**587,648**
Kilifi	49.5	15.4	0.2	1.8	6.2	19.2	7.8	105,510
Kwale	63.2	15.4	0.4	4.9	2.6	12.3	1.3	107,145
Lamu	67.7	8.1	0.5		10.8	6.6	6.3	15,980
Mombasa	65.6	7.5	0.2	3.4	4.9	9.5	8.8	196,286
Taita Taveta	53.5	3.8		4.4	5.3	27.7	5.2	65,580
Tana River	56.2	23.1	0.8	1.4	0.9	17.2	0.5	41,043
Malindi	49.1	26.0		1.9	1.4	10.6	10.9	56,105
Eastern	**67.7**	**7.5**	**0.1**	**3.2**	**1.2**	**16.1**	**4.2**	**1,051,258**
Embu	71.9	8.5	0.5	3.1	0.2	11.3	4.4	76,415
Isiolo	54.9	14.1		3.5	9.1	14.4	4.0	18,937
Kitui	61.6	4.7		3.5	2.3	25.7	2.1	112,066
Makueni	70.3	6.9	0.2	1.1	1.0	17.3	3.2	157,660
Machakos	72.1	5.7	0.1	3.0	1.4	13.9	3.8	215,817
Marsabit	54.4	13.7		3.1	1.9	21.3	5.6	26,327
Mbeere	71.2	7.4		2.8	0.0	14.6	4.0	40,829
Meru Central	74.0	3.0		4.3	0.9	9.1	8.6	124,422
Moyale	61.0	24.5			3.3	10.7	0.5	10,395
Mwingi	60.6	8.7	0.7	3.3	2.7	19.5	4.6	63,072
Meru North	61.2	12.9	0.0	4.1	0.1	17.9	3.8	127,985
Tharaka	69.2	11.8	0.3	3.1	0.0	15.1	0.5	22,072
Meru South	68.1	6.4		5.0	0.0	16.7	3.8	55,261
North Eastern	**58.0**	**22.3**		**0.6**	**6.3**	**11.5**	**1.3**	**181,598**
Garissa	67.4	14.7		0.3	3.0	12.4	2.1	68,955
Mandera	66.0	15.3		0.9	6.3	11.1	0.4	48,935
Wajir	41.5	36.1		0.8	9.9	10.7	1.0	63,707
Nyanza	**56.6**	**15.4**	**0.3**	**1.4**	**0.2**	**23.6**	**2.5**	**1,006,136**
Gucha	58.5	19.6		1.0	0.0	18.6	2.3	98,277
Homa Bay	50.9	12.6		1.1		33.1	2.2	66,235
Kisii	68.6	9.0		1.9		17.9	2.6	102,557
Kisumu	68.9	12.1	0.4	0.4		14.2	4.1	120,464
Kuria	44.4	30.6		3.8	0.3	18.2	2.8	34,868
Migori	48.2	21.4		1.6	0.3	26.6	2.0	111,694
Nyamira	77.3	7.8		1.0		12.6	1.3	111,739
Rachuonyo	49.1	16.1	1.0	1.5		30.4	1.7	70,830
Siaya	52.0	16.0	0.1	1.6	0.2	27.0	3.2	125,268
Suba	41.8	20.6	4.1		0.1	31.8	1.5	34,196
Bondo	32.4	20.7	0.0	0.9		44.6	1.4	58,919
Nyando	51.2	13.4	0.3	2.5	2.2	27.0	3.4	71,091

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Table 3.9: **Contd...**

Region	Monogamous	Polygamous	Living Together	Separated	Divorced	Widow or Widower	Never Married	Total Count
Rift Valley	**64.5**	**11.2**	**1.3**	**2.7**	**1.6**	**10.9**	**7.9**	**1,638,666**
Baringo	55.5	26.5		1.5		12.9	3.6	61,186
Bomet	80.0	6.3	0.1		0.1	10.0	3.6	75,270
Keiyo	70.3	5.2		5.1	0.3	13.2	5.9	34,888
Kajiado	37.7	15.2	17.7	1.9	3.4	11.1	13.0	103,496
Kericho	78.9	1.5	0.6	3.9	3.5	6.1	5.5	113,557
Koibatek	64.0	10.4		2.8	1.5	15.0	6.3	33,172
Laikipia	71.0	3.9		3.7	1.1	11.8	8.6	96,075
Marakwet	71.5	10.0		4.6	0.8	10.3	2.9	32,814
Nakuru	67.1	4.8	0.4	3.8	2.3	7.9	13.8	302,881
Nandi	70.4	10.8		2.2		11.7	4.9	138,917
Narok	60.7	18.9		0.6	2.6	13.0	4.2	78,197
Samburu	65.8	7.1	0.6	4.2		19.8	2.4	32,952
Trans Mara	68.3	19.7		0.2	0.7	8.4	2.7	33,447
Trans Nzoia	56.5	14.7		4.4	1.3	13.9	9.1	129,796
Turkana	47.2	28.3	1.0		2.7	19.0	1.9	82,869
Uasin Gishu	67.6	5.8		4.4	0.8	7.4	14.0	146,419
West Pokot	44.3	36.9	0.6		2.7	13.0	2.4	68,601
Buret	82.4	4.8	0.1	0.8	0.0	9.7	2.2	74,130
Western	**63.1**	**15.5**	**0.1**	**2.1**	**1.2**	**16.5**	**1.6**	**743,920**
Bungoma	74.4	13.7		0.7	0.1	10.0	1.1	180,450
Busia	53.9	21.1		1.3		23.2	0.5	79,096
Mt. Elgon	65.0	22.0		1.5		11.0	0.5	31,228
Kakamega	64.5	11.5	0.1	3.5	3.5	15.1	1.8	130,139
Lugari	54.3	19.3		2.4	4.6	16.3	3.2	46,078
Teso	57.0	23.0	0.6	3.9		15.1	0.3	42,563
Vihiga	63.7	8.1		3.3	1.5	21.5	1.9	120,841
Butere/Mumias	54.5	20.8		1.2		20.9	2.7	113,526

Table 3.10: **Percentage distribution of Population (10 + years) by Marital Status and Region**

Region	Monogamous	Polygamous	Living Together	Separated	Divorced	Widow or Widower	Never Married	Total Count
Kenya	**43.1**	**6.1**	**0.8**	**2.1**	**0.9**	**6.2**	**38.8**	**20,520,807**
Rural	42.1	6.8	0.3	2.1	0.7	7.1	38.9	15,975,640
Urban	46.4	3.4	2.5	2.1	1.3	3.4	38.5	4,545,167
Nairobi	**47.4**	**3.0**	**4.7**	**1.8**	**0.9**	**2.7**	**36.6**	**1,842,190**
Central	**46.2**	**1.0**	**0.4**	**3.4**	**0.4**	**6.5**	**40.7**	**2,788,293**
Kiambu	47.3	0.1		2.6	0.7	5.5	42.0	599,784
Kirinyaga	51.9	0.7	0.1	3.4	0.3	5.6	37.2	361,530
Murang'a	45.4	1.6		2.6	0.3	8.3	40.7	255,467
Nyandarua	42.5	1.5		2.4	0.8	7.4	45.1	321,130
Nyeri	46.5	0.5	2.0	1.0	0.2	6.1	42.0	503,077
Thika	44.9	1.6		7.8	0.2	6.7	37.7	445,588
Maragua	43.5	2.1		4.3	0.2	7.6	39.5	301,717
Coast	**41.2**	**8.7**	**0.3**	**3.1**	**2.1**	**7.2**	**35.4**	**1,870,501**
Kilifi	35.5	12.3	0.1	3.0	2.9	9.3	34.8	326,997
Kwale	43.4	10.0	0.7	4.0	1.8	6.4	32.7	394,270
Lamu	47.2	5.1	0.4	0.2	5.5	3.6	37.1	44,186
Mombasa	45.9	4.1	0.5	3.5	2.4	4.7	37.4	567,822
Taita Taveta	40.9	1.9		1.8	2.1	13.7	36.5	191,519
Tana River	40.1	15.4	0.2	1.3	1.0	8.5	32.4	139,033
Malindi	32.5	15.4		3.4	0.4	6.3	36.8	206,674
Eastern	**43.8**	**3.9**	**0.1**	**2.3**	**0.8**	**7.3**	**39.8**	**3,402,825**
Embu	45.3	3.6	0.3	3.7	0.1	4.7	42.3	252,373
Isiolo	37.6	8.8		2.5	5.9	6.6	36.2	60,231
Kitui	44.3	2.3		2.5	1.4	11.9	36.9	346,223
Makueni	42.1	3.1	0.0	1.1	0.6	8.3	41.9	574,252
Machakos	47.1	2.7	0.0	2.3	1.3	7.5	37.4	711,707
Marsabit	43.7	7.8		1.9	0.9	10.0	33.8	72,182
Mbeere	46.2	4.2		1.5		6.7	40.5	121,462
Meru Central	45.5	2.4		2.0	0.3	3.2	43.6	382,254
Moyale	36.8	8.8		0.5	1.6	6.0	44.2	39,635
Mwingi	39.9	4.3	0.2	1.2	1.0	7.7	43.2	209,237
Meru North	39.9	7.2	0.0	2.7	0.0	6.6	39.0	404,437
Tharaka	47.1	8.0	0.2	1.7		7.5	34.3	62,200
Meru South	43.8	3.7		5.5		7.2	38.0	166,631
North Eastern	**43.5**	**13.3**		**0.5**	**3.8**	**6.5**	**32.0**	**516,323**
Garissa	51.4	7.0		0.1	2.9	5.8	32.4	194,268
Mandera	50.4	5.8		0.3	4.1	6.0	32.1	142,538
Wajir	29.4	26.0		1.0	4.6	7.6	31.4	179,518
Nyanza	**40.6**	**9.7**	**0.2**	**1.5**	**0.2**	**9.1**	**36.9**	**2,874,844**
Gucha	37.6	10.7		0.9	0.0	5.8	43.6	316,938
Homa Bay	43.1	10.1		0.9	0.1	15.3	28.9	162,471
Kisii	44.9	4.8		3.0	0.0	8.7	36.0	293,797
Kisumu	43.1	6.2	0.1	0.5		5.1	43.2	402,796
Kuria	34.5	21.1		1.9	0.1	6.7	32.6	102,209
Migori	39.0	16.4	0.2	0.8	0.7	10.2	31.3	298,582
Nyamira	50.1	4.2		2.0		4.6	37.4	334,157
Rachuonyo	33.9	11.3	0.7	1.2		11.0	40.5	214,265
Siaya	39.8	10.8	0.0	2.0	0.1	11.7	34.1	314,749
Suba	37.7	11.8	3.1	1.3	0.3	14.2	29.9	92,589
Bondo	29.1	14.7		0.4	0.4	18.0	34.4	145,620
Nyando	39.8	7.6	0.4	2.4	1.2	10.7	36.6	196,671

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Table 3.10: **Contd...**

Region	Monogamous	Polygamous	Living Together	Separated	Divorced	Widow or Widower	Never Married	Total Count
Rift Valley	**42.2**	**6.7**	**0.9**	**1.5**	**0.8**	**4.6**	**40.8**	**4,874,845**
Baringo	31.7	12.9		0.5		4.6	48.9	207,685
Bomet	48.7	2.0	0.0	0.4	0.0	3.2	43.5	238,266
Keiyo	40.5	3.5		1.8	0.3	5.5	47.4	114,946
Kajiado	32.5	10.7	13.2	1.3	1.6	5.8	33.8	264,355
Kericho	63.7	0.7	0.5	2.1	1.6	3.0	27.6	260,390
Koibatek	38.7	5.9		1.7	0.5	6.0	47.0	107,985
Laikipia	47.8	2.6		2.6	1.1	4.6	39.5	256,369
Marakwet	47.0	4.8		2.8	0.5	4.8	38.8	93,726
Nakuru	47.6	3.2	0.3	1.9	1.1	3.5	40.1	784,796
Nandi	46.3	3.7	0.1	1.2		4.8	42.1	433,718
Narok	42.1	14.0		1.2	1.2	7.5	33.9	226,626
Samburu	40.8	8.2	0.2	1.3		8.1	40.3	89,870
Trans Mara	50.8	15.1		0.3	0.6	3.7	28.5	92,280
Trans Nzoia	29.6	6.4		2.3	0.5	4.5	46.0	522,743
Turkana	30.3	18.3	0.9	2.5	2.9	8.2	36.4	293,362
Uasin Gishu	43.0	2.6		1.4	0.5	2.8	47.1	469,825
West Pokot	30.3	21.8	0.5		1.7	5.3	40.4	193,275
Buret	49.4	2.5	0.5	0.3		3.9	42.3	224,627
Western	**41.1**	**8.4**	**0.1**	**2.3**	**0.7**	**6.2**	**39.6**	**2,350,986**
Bungoma	43.0	6.0		0.8	0.3	3.4	45.1	639,171
Busia	35.3	12.3	0.2	2.7		7.5	40.1	269,883
Mt. Elgon	37.2	11.6		1.7		5.0	39.0	115,028
Kakamega	45.9	7.1	0.2	4.0	1.8	7.2	32.4	365,757
Lugari	32.5	9.0	0.2	1.8	1.8	5.4	47.0	155,258
Teso	38.9	12.6	0.4	3.5	0.5	5.7	36.8	132,307
Vihiga	44.5	3.3		3.1	0.9	7.7	39.1	360,963
Butere/Mumias	39.0	14.2		1.9		9.0	34.6	312,619

Table 3.11: **Percentage distribution of children (0-14 years) by Living Arrangement**

Region	Living with both Parents	Living with Mother only		Living with Father only		Living with Neither				Not Stated	Total Count
		Father alive	Father dead	Mother alive	Mother dead	Only Father alive	Only Mother alive	Both are alive	Both are Dead		
Kenya	**63.9**	**15.5**	**5.0**	**1.6**	**0.8**	**1.0**	**1.1**	**6.2**	**1.2**	**3.6**	**14,893,063**
Rural	63.1	15.8	5.1	1.6	0.7	1.1	1.1	6.5	1.3	3.6	12,314,088
Urban	67.6	13.8	4.2	1.8	1.6	0.7	1.1	4.6	1.0	3.6	2,577,638
Male	64.9	15.2	4.9	1.7	0.8	1.0	1.0	5.8	1.2	3.5	7,463,561
Female	62.9	15.8	5.1	1.5	0.8	1.0	1.2	6.6	1.3	3.7	7,429,503
Age											
0-4 years	68.8	19.3	2.4	0.8	0.2	0.4	0.3	3.7	0.1	4.0	5,177,183
5-9 years	63.6	14.3	5.4	2.1	0.9	1.0	1.2	6.9	1.2	3.3	5,149,903
10-14 years	58.7	12.5	7.5	2.1	1.3	1.7	2.0	8.2	2.5	3.5	4,565,977
Nairobi	**72.8**	**9.7**	**4.8**	**2.3**	**2.2**	**0.5**	**0.9**	**2.6**	**0.2**	**4.0**	**952,995**
Central	**58.6**	**19.2**	**4.1**	**0.8**	**0.4**	**0.7**	**0.1**	**5.7**	**1.2**	**9.1**	**1,582,466**
Kiambu	67.4	10.9	3.0	1.6	0.0	1.1	0.0	3.5	1.8	10.6	378,064
Kirinyaga	72.6	9.5	3.4	0.0	0.7	0.0	0.0	1.4	0.0	12.4	179,087
Murang'a	43.3	36.5	3.5	0.6	0.0	0.0	0.0	8.8	0.3	7.0	111,919
Nyandarua	58.1	24.8	3.4	0.3	0.2	0.2	0.0	7.4	1.6	4.0	219,805
Nyeri	51.9	25.6	5.9	0.0	0.4	0.7	0.3	5.8	2.3	7.0	250,502
Thika	54.1	19.1	5.3	0.4	0.7	0.7	0.0	8.0	0.6	11.1	277,714
Maragua	52.1	20.5	3.9	2.3	0.7	1.7	0.7	7.0	0.8	10.2	165,375
Coast	**65.8**	**18.2**	**4.2**	**1.6**	**0.6**	**1.2**	**0.8**	**5.7**	**0.7**	**1.2**	**1,404,713**
Kilifi	60.5	24.1	6.5	0.7	0.7	0.4	0.3	6.0	0.5	0.3	276,579
Kwale	66.2	16.7	4.8	2.8	0.3	1.0	0.4	5.7	0.5	1.7	340,871
Lamu	64.1	20.9	3.5	1.0	1.2	0.6	1.0	4.5	0.2	3.0	36,111
Mombasa	67.4	18.7	2.2	0.3	0.0	1.0	1.5	7.0	0.9	0.9	322,774
Taita Taveta	59.2	16.8	7.9	0.0	0.0	2.8	0.1	8.5	1.9	2.9	114,511
Tana River	73.6	6.7	4.1	3.5	2.7	3.1	0.8	4.2	0.5	0.7	134,467
Malindi	69.0	20.3	1.2	2.4	0.7	0.9	1.3	2.2	0.7	1.3	179,399
Eastern	**61.0**	**19.9**	**4.8**	**1.7**	**0.4**	**1.5**	**0.7**	**4.9**	**0.8**	**4.4**	**2,408,479**
Embu	62.7	20.4	2.6	4.7	0.0	2.1	0.0	3.1	0.3	4.0	115,169
Isiolo	62.9	14.7	8.0	2.1	1.2	0.7	0.8	5.8	1.6	2.1	53,467
Kitui	55.5	28.1	6.0	0.0	0.6	3.4	0.7	4.9	0.5	0.2	295,972
Makueni	59.4	21.3	3.6	0.6	0.1	0.6	1.1	4.6	1.2	7.6	414,931
Machakos	54.2	21.1	7.3	0.8	0.0	2.3	0.5	2.9	1.2	9.6	489,588
Marsabit	68.0	13.4	5.0	2.7	0.5	1.0	1.4	6.4	0.5	0.9	67,435
Mbeere	73.9	13.7	1.2	1.3	0.4	2.3	0.3	5.3	0.0	1.7	82,996
Meru Central	58.6	18.5	2.3	3.3	0.0	0.8	0.8	11.0	0.1	4.7	213,987
Moyale	61.6	17.6	5.6	2.6	1.4	0.9	1.5	6.0	2.3	0.7	36,069
Mwingi	54.5	29.6	6.7	1.5	0.5	1.4	1.0	3.6	0.7	0.5	172,263
Meru North	72.8	9.5	4.1	4.0	1.4	0.2	0.2	5.0	0.7	2.0	325,639
Tharaka	78.2	15.9	1.6	1.0	0.0	0.1	0.2	2.0	0.6	0.3	57,117
Meru South	68.2	18.9	2.8	2.0	0.3	0.3	0.4	5.3	0.0	1.8	83,846
North Eastern	**75.3**	**7.0**	**6.2**	**2.3**	**1.2**	**0.6**	**0.8**	**5.9**	**0.2**	**0.6**	**588,869**
Garissa	73.1	9.6	7.6	0.2	0.1	1.0	1.1	6.5	0.3	0.4	203,756
Mandera	79.7	4.9	6.1	1.3	1.7	0.1	0.8	3.6	0.1	1.6	175,788
Wajir	73.7	6.1	4.9	5.3	1.7	0.6	0.5	7.2	0.0	0.0	209,325
Nyanza	**55.3**	**17.9**	**8.2**	**1.2**	**1.4**	**1.5**	**2.4**	**6.5**	**3.2**	**2.4**	**2,170,058**
Gucha	59.5	21.8	3.0	1.3	0.9	0.0	1.5	7.2	0.3	4.5	197,632
Homa Bay	51.9	14.7	8.6	1.5	1.7	2.2	0.2	8.2	6.3	4.7	143,979
Kisii	50.6	32.4	3.2	0.2	0.0	0.1	1.0	7.2	0.3	4.9	240,771
Kisumu	66.3	10.5	5.2	0.0	4.3	0.9	2.2	4.0	4.1	2.6	246,193

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Table 3.11: **Contd...**

Region	Living with both Parents	Living with Mother only		Living with Father only		Living with Neither				Not Stated	Total Count
		Father alive	Father dead	Mother alive	Mother dead	Only Father alive	Only Mother alive	Both are alive	Both are Dead		
Kuria	77.6	10.1	2.5	1.3	0.0	2.0	0.4	4.4	0.5	1.3	91,556
Migori	59.0	10.7	9.1	1.7	1.9	1.3	5.3	6.5	2.6	1.8	268,363
Nyamira	57.0	27.5	5.0	2.8	1.2	1.8	0.3	3.2	0.0	1.2	237,222
Rachuonyo	49.8	12.3	16.7	1.4	0.7	1.5	5.5	6.3	4.4	1.5	184,586
Siaya	50.9	17.4	11.3	1.1	0.1	1.8	1.5	9.8	5.4	0.7	237,759
Suba	45.5	18.6	6.1	0.9	0.6	2.0	3.8	9.4	8.3	4.8	69,830
Bondo	37.0	17.2	16.2	0.3	1.7	6.0	4.4	6.8	9.6	0.9	105,335
Nyando	51.0	14.5	15.2	0.8	2.9	2.3	2.7	6.4	3.6	0.7	146,830
Rift Valley	**69.5**	**12.0**	**3.8**	**1.3**	**0.7**	**0.6**	**0.9**	**6.7**	**0.8**	**3.8**	**3,802,515**
Baringo	73.3	13.7	1.1	0.4	0.4	0.3	0.0	8.8	0.7	1.3	163,142
Bomet	73.2	9.2	3.6	0.0	1.5	0.0	0.0	3.8	0.3	8.2	222,478
Keiyo	69.8	15.5	2.4	0.9	2.5	0.0	0.3	7.7	0.3	0.8	78,236
Kajiado	67.6	4.9	7.9	1.7	1.0	0.4	2.7	5.3	1.1	7.4	220,828
Kericho	86.0	3.0	0.5	0.8	0.3	0.4	0.7	3.3	2.2	2.8	217,177
Koibatek	72.3	13.3	2.6	1.2	2.6	0.2	0.0	6.8	0.3	0.7	78,527
Laikipia	65.1	14.1	2.2	0.0	0.0	0.5	0.4	6.4	3.5	7.8	166,218
Marakwet	67.2	12.5	6.8	0.4	0.6	0.0	0.6	10.3	0.4	1.2	84,640
Nakuru	64.6	16.9	3.3	1.1	0.2	0.9	0.7	5.2	0.7	6.5	535,573
Nandi	65.7	18.1	2.4	0.3	0.4	1.3	0.6	6.6	0.5	4.0	335,888
Narok	73.7	8.4	6.1	1.7	0.1	0.9	0.4	8.3	0.2	0.3	245,692
Samburu	62.0	12.7	7.5	1.6	0.2	1.5	0.4	11.8	1.8	0.5	104,145
Trans Mara	88.9	4.2	1.3	0.9	0.1	0.0	1.3	3.1	0.0	0.2	106,442
Trans Nzoia	60.7	12.0	2.8	3.6	1.1	0.0	1.7	9.2	1.6	7.2	337,506
Turkana	67.1	14.2	7.3	1.5	0.8	1.3	1.0	6.1	0.4	0.3	245,587
Uasin Gishu	74.1	8.6	1.6	1.0	2.0	0.7	1.5	7.6	0.2	2.7	291,197
West Pokot	63.5	16.8	5.0	2.4	0.2	0.6	1.2	10.4	0.0	0.0	181,795
Buret	74.4	10.2	5.8	1.8	0.1	0.5	0.3	4.9	0.0	2.0	187,444
Western	**61.3**	**14.6**	**5.0**	**2.8**	**0.6**	**1.2**	**2.1**	**9.1**	**1.6**	**1.7**	**1,981,632**
Bungoma	70.3	10.3	6.5	3.5	0.7	0.6	0.7	6.2	0.8	0.5	545,374
Busia	64.8	10.1	2.5	0.1	0.3	2.4	2.7	10.7	3.9	2.5	260,146
Mt. Elgon	73.2	7.6	2.3	0.5	0.4	0.4	0.8	10.1	0.7	4.0	110,465
Kakamega	55.4	16.9	2.5	2.7	0.7	2.4	2.4	12.3	4.2	0.6	301,385
Lugari	41.6	28.1	4.3	3.6	0.2	2.3	2.6	14.5	1.8	1.0	114,256
Teso	70.6	10.0	8.5	2.8	0.9	0.3	0.5	6.3	0.2	0.0	120,024
Vihiga	48.1	21.2	6.1	2.6	0.4	1.3	6.3	9.4	0.8	3.8	256,633
Butere/Mumias	58.4	17.8	5.9	5.0	0.8	0.1	1.2	8.3	0.1	2.4	273,348

Table 3.12: **Percentage distribution of Population by Relationship to Head of the Household and Region**

Region	Head	Spouse	Son	Daughter	Father/ Mother	Sister/ Brother	Grand Child	Other relative	Servant live in	Other Non-relative	Total Count
Kenya	**19.6**	**12.5**	**26.8**	**24.1**	**0.6**	**1.4**	**8.2**	**5.2**	**1.3**	**0.3**	**35,514,542**
Rural	18.3	12.1	27.9	24.7	0.7	0.8	9.4	4.8	1.1	0.2	28,363,345
Urban	24.7	14.4	22.6	21.4	0.5	3.4	3.6	6.7		0.6	7,151,197
Nairobi	**25.9**	**15.8**	**21.8**	**20.9**	**0.5**	**4.5**	**2.1**	**5.8**	**2.1**	**0.6**	**2,807,155**
Central	**22.6**	**13.7**	**24.1**	**24.0**	**0.5**	**0.6**	**10.0**	**3.0**	**1.3**	**0.2**	**4,377,915**
Kiambu	19.6	14.2	26.9	24.7	0.3	0.9	8.6	3.9	0.9		978,038
Kirinyaga	23.9	17.1	22.2	24.3	0.1	1.1	6.7	3.4	1.1	0.0	541,865
Murang'a	25.6	13.5	23.1	23.7		0.7	10.6	1.5	1.1	0.2	367,386
Nyandarua	21.1	12.1	26.0	26.9	0.4	0.5	10.8	1.3	0.8		541,614
Nyeri	24.4	14.4	23.2	22.1	0.7		11.3	1.6	1.9	0.3	757,361
Thika	24.2	11.6	21.1	23.9	0.7	1.0	11.2	4.5	1.6	0.2	723,303
Maragua	21.5	13.2	25.2	22.1	0.8	0.1	11.2	3.5	1.6	0.9	468,347
Coast	**18.1**	**11.9**	**25.5**	**22.6**	**1.2**	**2.1**	**9.7**	**7.8**	**1.1**	**0.2**	**3,278,668**
Kilifi	17.8	10.8	27.6	23.4	0.8	2.0	9.9	6.5	1.3		603,872
Kwale	14.6	11.1	28.1	21.4	1.6	1.6	11.4	9.7	0.3	0.2	735,141
Lamu	19.9	12.5	28.7	26.0	0.9	0.5	5.6	5.5	0.5		80,472
Mombasa	22.2	13.4	20.6	20.2	0.8	3.7	8.5	8.6	1.8	0.2	890,596
Taita Taveta	21.4	10.4	24.3	21.0	1.7	0.9	12.5	5.9	1.3	0.6	306,935
Tana River	15.0	13.8	30.7	25.6	1.0	0.6	6.1	5.6	0.6	1.0	273,838
Malindi	14.6	11.4	25.2	27.3	1.5	1.6	10.0	7.5	0.8		387,814
Eastern	**18.2**	**11.5**	**27.8**	**24.2**	**1.0**	**0.9**	**10.3**	**4.5**	**1.4**	**0.2**	**5,821,635**
Embu	20.8	15.4	26.3	22.3	0.3	0.3	9.9	2.4	2.2	0.1	368,090
Isiolo	16.8	11.0	28.5	25.8	1.8	2.1	6.6	6.1	1.2	0.1	113,698
Kitui	17.4	9.1	25.2	25.2	1.7	1.3	13.6	5.2	1.0	0.2	644,013
Makueni	16.0	9.6	30.9	22.7	1.2	1.3	11.3	5.6	1.1	0.2	990,023
Machakos	18.0	11.0	25.4	21.8	1.1	0.5	14.7	5.7	1.7	0.1	1,201,853
Marsabit	18.8	12.3	30.4	23.9	2.0	2.8	5.1	3.6	1.2	0.0	140,157
Mbeere	20.0	13.4	29.2	26.6	1.4	0.4	4.7	2.3	2.0		205,423
Meru Central	21.1	14.5	26.4	22.6	0.4	0.5	9.1	3.2	2.1	0.1	597,683
Moyale	13.7	9.6	31.1	26.7	1.9	3.9	4.5	5.8	1.7	1.1	75,782
Mwingi	16.6	8.5	29.8	26.1	0.8	1.3	10.2	4.8	1.4	0.5	382,782
Meru North	17.8	12.6	30.6	28.3	0.8	0.4	5.4	3.2	0.9		731,215
Tharaka	18.4	12.5	27.5	33.6	2.0	0.3	2.6	1.8	1.4	0.0	119,873
Meru South	22.0	14.2	24.8	24.0	0.4	0.2	8.9	4.1	1.2	0.1	251,043
North Eastern	**16.5**	**12.8**	**33.2**	**28.2**	**1.1**	**1.1**	**3.8**	**3.1**	**0.2**	**0.0**	**1,106,309**
Garissa	17.4	13.4	32.4	27.1	0.4	1.2	4.3	3.4	0.5		398,676
Mandera	15.5	12.3	34.7	30.5	1.2	0.6	3.6	1.4	0.1	0.2	318,791
Wajir	16.4	12.6	32.7	27.5	1.7	1.5	3.3	4.2	0.1		388,843
Nyanza	**20.0**	**11.9**	**26.3**	**23.5**	**0.2**	**1.0**	**8.7**	**7.1**	**0.8**	**0.5**	**5,051,562**
Gucha	19.1	11.9	31.5	24.5		0.8	8.0	3.7	0.4	0.1	514,570
Homa Bay	21.7	11.8	23.7	22.5	0.8	1.4	7.8	9.4	0.4	0.6	307,296
Kisii	19.2	11.2	28.9	24.1	0.6	0.7	6.9	7.6	0.8	0.0	534,568
Kisumu	18.7	13.5	24.8	25.4	0.0	1.7	4.6	8.6	1.5	1.3	650,846
Kuria	18.4	12.6	33.2	24.3	0.4	0.4	5.7	4.0	0.9	0.2	194,053
Migori	19.6	12.6	23.9	23.8		0.8	9.9	8.5	0.6	0.3	568,593
Nyamira	19.6	12.3	26.1	27.7	0.4	0.8	8.0	3.9	1.0	0.1	571,379
Rachuonyo	18.0	11.0	27.5	24.8		0.9	9.4	7.9	0.2	0.3	399,240
Siaya	22.7	12.1	22.7	19.3	0.1	1.0	12.4	7.9	1.0	0.9	552,509
Suba	21.0	11.0	24.1	18.0	0.2	0.4	12.2	11.1	1.4	0.7	162,577
Bondo	23.4	9.7	24.6	19.0	0.3	0.9	13.1	7.6	0.7	0.7	252,431
Nyando	20.9	11.0	26.2	22.4		1.4	10.0	7.4	0.3	0.4	343,501

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Table 3.12: **Contd...**

Region	Head	Spouse	Son	Daughter	Father/ Mother	Sister/ Brother	Grand Child	Other relative	Servant live in	Other Non-relative	Total Count
Rift Valley	**18.9**	**12.5**	**28.8**	**24.9**	**0.6**	**1.5**	**6.3**	**4.6**	**1.6**	**0.3**	**8,728,247**
Baringo	16.2	11.0	32.6	27.6	0.7	0.8	6.1	3.5	1.5	0.1	377,416
Bomet	16.3	12.3	30.7	29.5	0.2	0.6	6.3	2.1	1.9	0.1	462,240
Keiyo	18.6	11.5	27.8	28.4	1.7	2.2	5.8	1.9	1.9	0.2	193,744
Kajiado	21.3	13.6	25.3	23.5	1.0	2.8	3.9	6.7	1.2	0.6	486,700
Kericho	23.8	15.3	31.0	21.2		1.4	3.2	3.3	0.7		477,983
Koibatek	17.9	12.2	31.0	26.6	0.7	0.8	6.6	3.2	1.0		186,691
Laikipia	22.7	12.9	29.2	20.5	0.2	0.3	8.7	3.3	1.9	0.3	423,588
Marakwet	18.5	11.3	30.0	27.6	0.4	1.2	7.7	2.2	1.0	0.2	178,366
Nandi	18.2	11.9	29.2	26.4	0.7	0.5	7.7	3.3	1.8	0.2	770,953
Nakuru	22.9	13.8	27.6	21.9	0.3	2.3	5.1	4.8	1.1	0.2	1,331,206
Narok	16.6	13.3	29.8	27.9	1.6	0.7	4.9	3.6	1.6	0.1	472,382
Samburu	16.6	11.0	31.2	25.3	0.8	0.8	7.8	4.9	1.1	0.5	199,219
Trans Mara	17.0	15.3	32.0	29.4	0.5	0.5	2.5	1.7	1.0		198,722
Trans Nzoia	15.2	10.1	26.6	25.4	1.0	2.2	10.5	6.0	2.5	0.5	880,327
Turkana	15.4	11.2	27.4	21.7	1.0	4.0	8.7	8.7	1.7	0.1	538,949
Uasin Gishu	19.3	12.6	27.6	25.3	0.3	1.4	4.6	6.0	2.0	0.9	761,022
West Pokot	18.2	11.7	30.8	27.1	0.8	0.4	5.1	3.9	2.0		376,668
Buret	18.2	12.2	30.1	26.5	0.4	0.9	5.8	4.3	1.6	0.0	412,071
Western	**17.4**	**11.7**	**27.6**	**25.0**	**0.3**	**0.3**	**11.1**	**5.2**	**0.9**	**0.5**	**4,343,051**
Bungoma	15.6	12.4	31.8	27.4	0.2	0.3	7.2	3.7	1.1	0.2	1,188,441
Busia	15.8	11.0	27.3	23.6	0.3	0.7	13.1	7.4	0.4	0.4	533,678
Mt. Elgon	13.8	12.2	32.2	26.3	0.7	0.9	7.5	5.7	0.4	0.2	225,493
Kakamega	19.5	12.5	24.2	23.8	0.4	0.1	13.9	4.9	0.6	0.1	668,480
Lugari	17.1	9.3	25.5	23.8	0.3	0.1	13.7	7.2	1.9	1.0	269,514
Teso	16.8	11.3	30.2	27.4	0.3	0.7	8.3	4.2	0.8		252,687
Vihiga	19.5	10.7	22.5	21.6	0.0	0.2	15.9	6.7	1.2	1.7	618,792
Butere/Mumias	19.4	12.4	26.5	25.4	0.5	0.3	10.5	4.3	0.7	0.1	585,967

Table 3.13: **Percentage distribution of Male-headed Households by Marital Status and Region**

Region	Monogamous	Polygamous	Living Together	Separated	Divorced	Widow or Widower	Never Married	Total Count
Kenya	**35.7**	**4.8**	**0.7**	**1.2**	**0.4**	**1.3**	**55.9**	**12,065,092**
Rural	33.7	5.3	0.3	1.3	0.4	1.4	57.8	9,473,253
Urban	43.3	3.1	2.1	0.8	0.5	1.0	49.2	2,591,839
Nairobi	**46.4**	**2.8**	**4.1**	**0.8**	**0.5**	**1.4**	**44.0**	**1,042,019**
Central	**40.7**	**0.9**	**0.3**	**2.0**	**0.1**	**1.3**	**54.7**	**1,530,809**
Kiambu	43.2	0.2		1.2	0.0	0.2	55.1	327,316
Kirinyaga	45.0	1.9		2.2	0.5	1.3	49.1	203,100
Murang'a	39.1	1.4		2.8	0.0	1.8	54.9	133,297
Nyandarua	33.3	1.1		1.2	0.3	0.6	63.5	191,923
Nyeri	42.2	0.3	1.9	0.1	0.0	1.0	54.5	265,856
Thika	43.0	0.7		3.5	0.0	3.0	49.8	240,696
Maragua	34.8	1.4		4.1	0.0	1.9	57.8	168,621
Coast	**34.8**	**6.2**	**0.2**	**1.0**	**0.9**	**1.5**	**55.4**	**1,092,825**
Kilifi	28.0	7.9	0.1		1.2	2.1	60.7	195,506
Kwale	33.9	6.0	0.5	2.3	1.4	2.0	53.9	246,918
Lamu	36.4	3.3	0.3		2.9	0.7	56.4	28,465
Mombasa	43.4	4.1	0.2	0.9	0.6	0.6	50.3	314,870
Taita Taveta	35.5	2.4		1.1	0.8	2.7	57.4	103,395
Tana River	29.7	10.7	0.4	0.4		1.9	56.9	87,573
Malindi	27.9	9.8		0.7	0.4	0.5	60.7	116,098
Eastern	**35.0**	**2.9**	**0.0**	**1.7**	**0.5**	**1.9**	**57.9**	**1,987,867**
Embu	40.3	2.6	0.2	2.8	0.1	1.4	52.6	141,026
Isiolo	29.3	5.9		1.4	3.0	1.2	59.3	37,858
Kitui	35.1	1.5		2.1	0.9	4.3	56.1	192,596
Makueni	29.9	2.2	0.1	1.7	0.8	1.7	63.7	349,591
Machakos	39.5	1.8		1.3	0.9	1.6	54.9	393,737
Marsabit	32.0	6.5		1.2	0.3	1.9	58.1	46,177
Mbeere	37.5	2.7		0.5	0.0	2.2	57.1	72,859
Meru Central	36.8	1.6		1.6	0.0	1.1	58.9	228,380
Moyale	24.2	7.9		0.5	0.3	1.4	65.6	26,025
Mwingi	29.4	4.1		0.5	0.3	1.4	64.3	121,510
Meru North	33.0	5.9		2.7	0.0	2.3	56.0	247,087
Tharaka	38.5	6.4	0.2	1.2	0.0	2.2	51.4	35,065
Meru South	38.3	2.5		2.4	0.0	1.9	54.9	95,956
North Eastern	**28.9**	**11.7**		**0.2**	**1.1**	**0.7**	**57.5**	**359,119**
Garissa	34.3	7.4		0.4	0.7	0.3	56.8	134,276
Mandera	33.8	8.9		0.1	0.6	0.3	56.3	93,389
Wajir	19.9	18.1		0.0	1.9	1.2	58.9	131,453
Nyanza	**33.6**	**7.4**	**0.2**	**0.8**	**0.0**	**1.3**	**56.6**	**1,639,474**
Gucha	31.1	8.4		0.5		1.8	58.1	179,801
Homa Bay	35.8	8.4		1.4		1.3	53.1	93,479
Kisii	36.0	3.8		1.0		0.8	58.4	161,026
Kisumu	38.4	4.7		0.3		0.7	55.8	218,720
Kuria	26.4	14.9		1.4		1.8	55.4	65,652
Migori	32.6	12.4	0.4	0.4	0.2	1.7	52.4	174,231
Nyamira	42.4	2.6		0.4		0.1	54.5	182,837
Rachuonyo	27.8	7.8	0.6	0.5		1.4	61.9	127,605
Siaya	31.9	8.5	0.0	1.5		1.9	56.2	182,941
Suba	31.1	7.4	2.6	1.0	0.4	3.4	54.1	53,724
Bondo	23.8	11.0			0.1	2.1	63.1	83,465
Nyando	32.5	5.8	0.5	2.4		1.1	57.7	115,995

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Table 3.13: **Contd...**

Region	Monogamous	Polygamous	Living Together	Separated	Divorced	Widow or Widower	Never Married	Total Count
Rift Valley	**33.7**	**5.5**	**0.8**	**0.9**	**0.4**	**0.9**	**57.9**	**3,032,516**
Baringo	24.5	10.2		0.7		1.5	63.1	124,323
Bomet	32.9	2.5	0.0	0.6		0.4	63.6	161,847
Keiyo	34.8	2.3		0.5	0.0	1.7	60.6	67,994
Kajiado	26.7	8.9	12.4	0.4	0.2	1.3	50.2	160,554
Kericho	54.7	1.0	0.4	2.5	0.2	0.6	40.6	167,420
Koibatek	31.6	4.7		0.8		3.1	59.8	66,907
Laikipia	36.5	1.7		1.1	0.9		59.7	164,299
Marakwet	35.9	5.1		1.6	0.4	1.5	55.6	59,676
Nakuru	38.9	2.5	0.2	0.9	0.1	0.8	56.5	498,827
Nandi	35.5	5.4	0.2	0.3		1.6	57.0	258,923
Narok	30.0	10.0		0.8	1.3	1.0	57.0	152,347
Samburu	23.8	11.9					64.3	60,628
Trans Mara	39.2	11.6				1.0	48.2	58,373
Trans Nzoia	26.1	4.7		2.3	0.3	0.7	65.9	284,832
Turkana	23.5	12.9	0.7		1.1	1.3	60.5	188,692
Uasin Gishu	34.6	2.0		1.0	0.7	0.6	61.1	293,484
West Pokot	22.6	15.3	0.4		0.9	0.6	60.2	122,605
Buret	43.1	2.8	0.0			0.7	53.3	140,786
Western	**32.7**	**6.0**	**0.0**	**1.5**	**0.5**	**1.1**	**58.3**	**1,380,463**
Bungoma	34.0	4.2		0.3		0.0	61.5	384,437
Busia	26.8	8.2		0.8		1.9	62.4	164,962
Mt. Elgon	30.1	8.3		1.4		0.5	59.6	68,089
Kakamega	39.7	5.6	0.1	3.8	1.9	0.6	48.3	202,034
Lugari	24.9	5.4		1.0	1.0	1.5	66.1	92,411
Teso	28.4	9.0	0.3	1.7	0.4	1.0	59.2	83,596
Vihiga	35.5	1.8		2.7	0.7	2.0	57.2	204,720
Butere/Mumias	31.4	10.8		0.7		1.9	55.1	180,215

Table 3.14: **Percentage distribution of Female-headed Households by Marital Status and Region**

Region	Monogamous	Polygamous	Living Together	Separated	Divorced	Widow or Widower	Never Married	Total Count
Kenya	**25.4**	**8.8**	**0.4**	**6.0**	**4.0**	**45.4**	**10.0**	**2,001,658**
Rural	27.2	10.0	0.2	4.5	2.9	50.6	4.6	1,596,470
Urban	18.4	3.7	1.2	11.7	8.5	24.9	31.7	405,187
Nairobi	**13.7**	**0.5**	**1.8**	**13.4**	**6.1**	**23.6**	**40.8**	**138,902**
Central	**25.6**	**2.0**	**0.2**	**9.8**	**3.3**	**46.5**	**12.5**	**304,420**
Kiambu	10.7			10.9	8.7	54.1	15.6	50,915
Kirinyaga	10.4		0.9	12.7	1.3	61.7	13.1	24,653
Murang'a	39.3	1.4		2.7	2.1	50.4	4.0	36,048
Nyandarua	25.4			4.7	4.6	46.5	18.8	39,648
Nyeri	36.2	1.8	0.8	4.5	1.9	40.9	13.8	61,573
Thika	18.6	6.5		24.7	1.7	34.6	14.0	56,267
Maragua	36.9	2.5		5.1	1.5	49.5	4.4	35,315
Coast	**12.8**	**7.1**	**0.1**	**9.7**	**12.0**	**49.1**	**9.3**	**153,205**
Kilifi	17.0	3.5		5.5	13.5	51.1	9.4	34,997
Kwale	12.0	16.1		14.1	4.2	51.7	1.8	23,421
Lamu	32.1	9.6	2.1		30.1	23.1	3.0	3,736
Mombasa	6.3	4.5		14.6	18.2	37.7	18.6	45,048
Taita Taveta	19.0			7.0	10.3	62.6	1.0	25,481
Tana River	1.2	1.7		8.2	4.9	84.0		7,138
Malindi	14.4	24.9		5.2	2.7	40.3	12.6	13,383
Eastern	**34.7**	**7.9**	**0.3**	**4.3**	**2.4**	**44.0**	**6.3**	**325,761**
Embu	11.5	17.5	1.7	4.4	1.1	52.2	11.8	16,280
Isiolo	9.1	12.9		9.7	23.9	44.5		5,400
Kitui	35.3	6.1		2.5	3.7	49.6	2.8	46,841
Makueni	44.1	8.5		0.8		44.4	2.2	54,300
Machakos	44.0	8.8	0.2	3.6	1.9	35.6	5.9	72,775
Marsabit	8.8	7.2		7.2	5.8	63.4	7.6	8,525
Mbeere	28.3	13.2		11.2		44.1	3.2	9,946
Meru Central	39.6			8.9	3.5	29.2	18.7	30,366
Moyale	35.6	19.8			10.4	34.2		3,257
Mwingi	34.4	4.5	1.5	5.0	4.8	40.9	8.9	28,234
Meru North	20.0	9.4	0.2	4.3	0.3	58.7	7.1	29,370
Tharaka	41.9	7.8	1.1	4.9		43.8	0.5	6,676
Meru South	22.1	8.3		8.9		55.9	4.8	13,792
North Eastern	**25.8**	**15.4**		**1.9**	**18.0**	**36.4**	**2.5**	**54,057**
Garissa	27.5	1.1		1.3	12.9	53.0	4.3	16,206
Mandera	35.9			2.9	22.1	39.1		13,129
Wajir	19.2	33.0		1.8	19.3	24.0	2.7	24,722
Nyanza	**23.6**	**11.7**	**0.3**	**1.7**	**0.6**	**60.4**	**1.6**	**364,729**
Gucha	36.0	13.8		0.3	0.1	49.4	0.4	30,270
Homa Bay	15.7	4.8				79.0	0.5	26,504
Kisii	39.2	7.9		4.7		45.1	3.1	40,475
Kisumu	17.8	18.8	1.5	1.7		54.6	5.4	28,399
Kuria	14.2	10.5		8.2	1.4	62.1	3.6	8,258
Migori	16.8	9.9		3.0	0.8	68.9	0.7	39,837
Nyamira	48.4	11.1		1.1		39.2	0.2	35,449
Rachuonyo	9.0	15.0	2.4	3.7		69.7	0.1	29,355
Siaya	24.1	11.3		0.0	0.6	61.0	3.0	49,820
Suba	16.2	20.0		0.0	0.3	62.8	0.7	16,205
Bondo	10.9	10.3		1.6		76.1	1.1	33,015
Nyando	15.6	12.6	0.0	0.0	5.7	66.1		27,143

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Table 3.14: **Contd...**

Region	Monogamous	Polygamous	Living Together	Separated	Divorced	Widow or Widower	Never Married	Total Count
Rift Valley	**27.7**	**8.9**	**0.7**	**6.2**	**4.7**	**37.7**	**14.2**	**431,358**
Baringo	29.8	24.0		0.2	0.0	40.0	5.9	15,821
Bomet	46.3	3.9	0.2	0.0	0.3	39.8	9.6	17,171
Keiyo	24.1	2.3		17.6	0.7	37.3	18.1	10,193
Kajiado	6.5	6.0	7.6	6.1	14.0	40.8	19.0	23,065
Kericho	10.7			1.5	25.6	38.2	24.0	15,311
Koibatek	8.3	5.0		9.2	8.0	52.6	17.0	6,280
Laikipia	35.3	2.8		8.4	3.4	38.2	11.8	29,538
Marakwet	31.2	3.0		18.6		36.2	11.0	8,122
Nakuru	26.2	2.3		10.3	8.4	28.3	24.5	78,108
Nandi	33.1	2.8		6.3		41.2	16.7	36,698
Narok	18.3	0.3		3.2	5.5	63.3	9.3	14,670
Samburu	63.9	1.8	0.8	5.3		25.1	3.1	26,042
Trans Mara	15.2	5.4		1.7	6.4	61.1	10.1	3,650
Trans Nzoia	23.7	16.4		4.5	3.7	37.3	14.4	46,690
Turkana	35.9	23.7	1.9		3.1	35.4		42,698
Uasin Gishu	10.2	9.6		14.6	0.2	37.1	28.3	26,273
West Pokot	18.4	35.1			3.6	39.9	3.0	20,362
Buret	20.9		0.4	5.6		67.4	5.8	10,666
Western	**26.0**	**18.4**	**0.1**	**3.2**	**1.5**	**49.4**	**1.4**	**229,227**
Bungoma	31.2	22.0		2.6	0.6	42.0	1.6	42,543
Busia	14.2	21.7		3.5		59.7	1.0	25,735
Mt. Elgon	19.3	29.6		3.7		47.4		7,272
Kakamega	28.6	12.9		3.0	2.0	51.2	2.2	38,380
Lugari	28.8	24.6		4.9	5.9	31.3	4.6	19,434
Teso	24.1	26.3	1.8	5.8		41.0	1.0	14,265
Vihiga	29.7	13.8		2.3	2.6	50.8	0.8	44,819
Butere/Mumias	21.4	14.9		3.2		60.2	0.4	36,780

Chapter 4 | Education Characteristics

4.0 Introduction

The Kenya Integrated Household Budget Survey (KIHBS) 2005/06 collected data on formal schooling and vocational training for all individuals in the household aged three years and above. Formal education is categorised into primary (Standards 1 to 8), secondary (Forms 1- 4 [3]) and tertiary schooling (vocational training and university education). As part of efforts to achieve the second Millennium Development Goal (MDG) on Universal Primary Education (UPE), the Government introduced the free primary education programme in 2003. The KIHBS data is therefore an important source of information to evaluate the impact of this programme on schooling levels.

Key educational indicators in this section include school attendance, highest grades completed, type of school attended and current adult literacy. Where feasible, these indicators are disaggregated by sex to facilitate gender analysis on educational issues. This information is crucial in formulating educational policies that are geared towards improving access to basic education particularly by poor households. In this survey, adult literacy was measured by asking respondents if they were able to read or write in at least one language. No writing or reading test was administered.

4.1 School attendance

Table 4.1 shows the percentage distribution of population aged 6-17 years by school attendance. Overall, 93.4 per cent of the population aged 6-17 years had attended school for at least one school term. The proportion of population in urban areas that had ever attended school was higher than that of rural areas. The results indicate no major disparity between the proportion of males and females who have ever attended school. All of the surveyed population aged 6-17 years in Kirinyaga District had attended school. Lower proportions of school attendance are observed in ASAL districts.

Table 4.2 gives the distribution of the population aged 6-17 years who never attended school. Results show that nationally, approximately 691,000 children of school going age (6-17 yrs) in the country have never attended school. This comprises about 6.2 per cent of the total population of children aged 6-17 yrs. More than a third of the population aged 6-17 years in North Eastern Province has never attended school. Various reasons were given by respondents for children not attending school. One reason given for children not being in school was that their guardians felt these children were too young despite having reached the recommended age of 6 years (12.6%). Twenty six per cent of the children in the 6 - 9 age group reported they are too young to attend school (see Table 4.3). Lack of money for school expenses was reported by 19.8 per cent of the children, which implies that there is a significant group of people who are not taking advantage of the free primary education programme[4]. The reasons for this situation are not clear, but incidental costs to schooling like school uniform and feeding are still a burden to some parents. Some 29.1 per cent of children reported that their parents did not let them go to school while 22.4 per cent reported that they had to work or help at home. About 9.9 per cent of school age children had never attended school because of ill health, either involving the child or a member of the family.

High proportions of failure to attend school due to family illness were observed in Suba, Migori and Turkana Districts at 53.2, 23.0 and 21.0 per cent respectively. High incidences of parents not taking children to school were observed in Moyale, Samburu and West Pokot Districts at 72.2, 70.9 and 67.9 per cent respectively. Large proportions of children failing to go to school because of working either for pay or at home were observed in the pastoral districts of Wajir, Kajiado, Samburu, Turkana and Moyale.

School attendance ratios

Table 4.4 shows the gross attendance ratio by type of school, sex and region. Gross Attendance Ratio (GAR) for primary school in this survey is defined as *the total number of primary school pupils, expressed as a percentage of the official school age (6-13 years) population. Similarly, GAR for secondary school is defined as the total number of secondary school students,*

[3] This applies to the 8-4-4 system of education. In the previous system of education, secondary school comprised 0-level (Forms 1-4) and A-level (Form 5-6).
[4] The Free Primary Education (FPE) was introduced by the Government in 2003.

expressed as a percentage of the official secondary school age (14-17 years) population. Gross primary and secondary school attendance rates are estimated at 117.0 and 40.0 respectively. The high primary school GAR is expected given the Free Primary Education (FPE) programme. Rural areas had higher attendance ratios in primary school than urban areas, while urban areas recorded higher attendance ratios in secondary school.

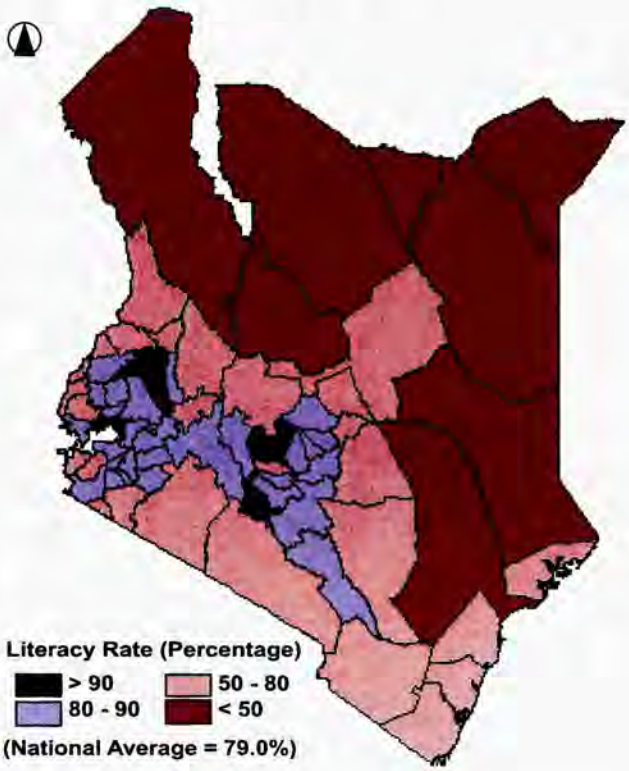
Eastern Province had the highest gross attendance ratio for primary, while Nairobi had the highest secondary school GAR. Secondary school attendance ratios show a high degree of disparity across districts and sex. Whereas males in Nyeri and Nairobi Districts have gross attendance ratios of over 80.0 in secondary school level, this ratio in Tana River and Turkana Districts is less than 6.0. Gross attendance ratio of females in secondary school is lowest in Mandera (1.2) and Samburu (2.6) Busia (2.1) Districts. The KIHBS results are comparable with the 1999 Population and Housing Census that reported a primary school GAR of 101.4, 103.0 and 99.8 per cent for Kenya, male and female respectively and GAR for secondary school of 29.3 (Kenya), 30.7(male) and 27.8 (female).

Table 4.5 gives the School Net Attendance Ratio (NAR) by schooling level, sex and region. NAR for primary school is defined as *the percentage of primary school age (6-13 years) population that is attending primary school, while NAR for secondary school is the percentage of secondary school age (14-17 years) population that is attending school.* Nationally, primary and secondary school NAR stood at 79.0 and 18.1, respectively. Secondary school NAR shows an improvement from the 12.5 reported by the 2003 Demographic and Health Survey (DHS). Females have a higher NAR than males in both primary and secondary school. Urban areas have higher NAR in both schooling levels compared to rural areas. Comparison by district and sex reveals that Kisii District has the highest secondary NAR for females (58.0), but not for males (19.7). On the other hand, Wajir, Mandera and Malindi Districts have the lowest secondary NAR of less than 2.0 for females. Majority of males in semi-arid and arid districts recorded lower NAR at secondary school level compared to those in non ASAL.

4.2 Literacy levels

The distribution of adult literacy by region is presented in Table 4.6. Adult literacy is defined as *the percentage of population aged 15 years and above who can both read and write a simple statement in at least one language* [5]. The proportion of the eligible population who can both read and write nationally stands at 79.0 per cent. Over 90.0 per cent of urban dwellers can both read and write compared to 75.7 per cent of the rural population.

Figure 4.1: **Adult literacy rates.**



There are notable variations in literacy levels between the sexes and provinces. Males are more literate than females in all provinces. Nyanza Province has the second highest literacy level of 91.9 per cent for males after Nairobi Province (96.6%). North Eastern Province has the lowest literacy level with only 28.2 per cent of population able to read and write. Only Nairobi and Kiambu Districts have over 90.0 per cent of males and females who can both read and write.

Mandera and Turkana Districts have the least (18.5% and 19.1%) ability to read and write. Among males in Mandera district, about one third could read and

[5] KIHBS did not administer any reading or writing test. The estimates are therefore based on self assessed ability to read or write.

write while for females in the same district, only six in 100 could read and write.

The distribution of population aged 15 - 24 years by ability to read and write is presented in Table 4.7. Although the younger population is expected to exhibit higher literacy rates, there are instances where the relatively older generation is more literate. Among the males, for example, the highest ability to read and write is exhibited by those males aged 23 years, while those aged 15 years and 16 years rank fourth and seventh, respectively. On the other hand, relatively younger females are more literate than older ones with over 90.0 per cent of females aged 15 and 16 years being able to read and write. Government efforts to narrow literacy gaps between males and females seem to be bearing fruit.

4.3 Type of school attended and level

Table 4.8 shows the distribution of students aged 6 - 17 years attending school by level and type of school. The results indicate that majority of students are attending government institutions. This scenario is exhibited across all schooling levels, except for those in professional and vocational training whereby private institutions absorb most of the students.

The percentage distribution of population who have ever attended school by highest schooling level completed is presented in Table 4.9. Nationally, 86.4 per cent of Kenyans have completed primary school, 25.0 per cent have completed secondary and only 1.2 per cent have completed university. There is a higher prevalence of students in urban areas completing a given schooling level compared to their rural counterparts. Similarly, male students have higher incidences of completion compared to females.

4.4 Pre-school education

The Ministry of Education's Early Childhood Development (ECD) programme targets young children aged 3-5 years. Information on pre-school enrolment of children of this age is presented in Table 4.10.

Nationally, 28.2 per cent of children in this target group are attending school. This is equivalent to about 549 thousand children attending pre-school out of the estimated 1.95 million children in this age group. The proportion of children attending school is higher in urban (45.5%) than in rural areas (24.3%). More than 58.0 per cent of children aged 3-5 years in Nairobi attend school. Suprisingly, 60.0 per cent of children in Turkana District attend pre-school.

Figure 4.2: **Impact of Free Primary Education**

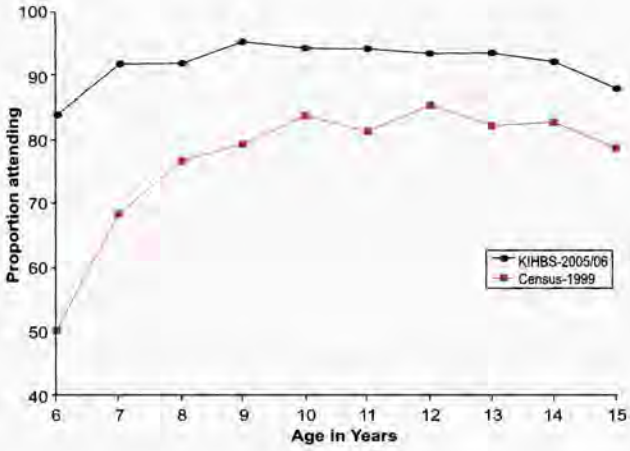


Table 4.1: **Percentage distribution of population (6-17 years) by School Attendance and Region**

Region	Ever Attended	Never Attended	Total Count	Region	Ever Attended	Never Attended	Total Count
Kenya	**93.4**	**6.2**	**11,215,740**	**Nyanza**	**97.4**	**2.2**	**1,643,579**
				Gucha	96.8	2.5	153,712
Rural	93.0	6.7	9,458,698	Homa Bay	97.8	0.6	97,262
Urban	95.6	3.5	1,757,042	Kisii	98.4	1.6	165,146
				Kisumu	96.5	2.2	198,978
Nairobi	**97.8**	**1.6**	**578,798**	Kuria	92.5	7.5	66,237
				Migori	97.9	2.1	180,378
Central	**98.9**	**0.9**	**1,291,503**	Nyamira	99.0	1.0	179,692
Kiambu	99.6	0.2	294,651	Rachuonyo	97.6	2.4	150,899
Kirinyaga	100.0	0.0	134,417	Siaya	96.1	3.0	193,629
Murang'a	99.4	0.6	103,279	Suba	98.7	1.3	49,630
Nyandarua	98.9	1.1	183,058	Bondo	98.1	1.9	90,401
Nyeri	99.5	0.5	223,775	Nyando	98.4	1.6	117,615
Thika	96.7	2.5	207,572				
Maragua	98.7	1.3	144,749	**Rift Valley**	**90.9**	**8.3**	**2,824,458**
				Baringo	86.4	12.5	130,394
Coast	**90.7**	**9.0**	**1,040,095**	Bomet	98.3	1.2	172,775
Kilifi	90.3	9.3	212,735	Keiyo	97.9	2.1	62,936
Kwale	95.2	4.8	236,278	Kajiado	82.7	17.3	141,776
Lamu	95.1	4.9	27,393	Kericho	98.1	1.9	125,696
Mombasa	93.3	6.0	221,475	Koibatek	97.2	2.8	65,463
Taita Taveta	97.3	2.7	102,484	Laikipia	95.3	3.7	138,526
Tana River	73.7	26.3	101,614	Marakwet	97.1	2.9	59,732
Malindi	86.3	13.0	138,116	Nakuru	98.0	1.7	367,023
				Nandi	97.7	2.2	275,768
Eastern	**96.0**	**3.8**	**1,899,072**	Narok	86.1	13.8	171,912
Embu	98.1	1.9	94,584	Samburu	74.7	25.1	78,094
Isiolo	85.3	13.8	38,826	Trans Mara	94.2	5.5	70,412
Kitui	99.7	0.3	225,372	Trans Nzoia	91.4	3.8	271,384
Makueni	97.4	2.4	346,980	Turkana	64.5	34.7	169,718
Machakos	98.8	1.2	378,901	Uasin Gishu	96.7	3.3	246,617
Marsabit	52.1	47.9	53,308	West Pokot	71.3	28.7	139,095
Mbeere	99.3	0.7	60,839	Buret	97.1	0.9	137,136
Meru Central	96.1	3.9	180,365				
Moyale	80.4	19.6	29,915	**Western**	**96.3**	**3.3**	**1,502,319**
Mwingi	97.1	2.2	138,518	Bungoma	95.9	2.8	431,740
Meru North	96.2	3.3	240,810	Busia	95.8	4.2	188,100
Tharaka	94.9	4.6	37,091	Mt. Elgon	97.6	2.4	75,434
Meru South	99.6	0.0	73,563	Kakamega	95.8	4.2	211,460
				Lugari	98.8	1.2	94,750
North Eastern	**56.3**	**42.4**	**435,916**	Teso	93.6	6.4	86,194
Garissa	59.5	40.5	159,505	Vihiga	97.0	3.0	202,050
Mandera	46.3	49.4	120,386	Butere/Mumias	96.7	3.3	212,591
Wajir	60.7	39.0	156,025				

Table 4.2: **Percentage distribution of population (6-17 years) who never attended school by Reason and Region**

Region	Too Young to Attend	No Money for School costs	Poor quality of Schools	Own Illness/ Disability	Family Illness/ Disability	Not interested, Lazy	Parents did not let me	Had to work or Help at home	School too Far	School Conflict with Beliefs	Other Reasons	Not Stated	Total Count
Kenya	**12.6**	**19.8**	**1.9**	**6.6**	**3.3**	**5.9**	**29.1**	**22.4**	**7.9**	**5.2**	**4.7**	**8.3**	**690,695**
Rural	12.5	17.5	1.9	6.1	3.5	6.3	30.4	23.0	8.4	5.6	5.0	8.8	629,198
Urban	12.8	42.9	1.5	12.6	1.4	1.9	16.0	16.6	2.4	0.7	1.4	4.0	61,498
Male	13.9	18.6	1.5	8.5	4.3	7.3	26.3	17.7	7.0	4.3	3.3	11.2	341,733
Female	11.3	20.9	2.3	4.8	2.3	4.4	32.0	27.1	8.7	6.1	6.0	5.6	348,962
Nairobi	**19.9**	**66.2**	**1.8**	**12.1**	**0.0**	**0.0**	**1.8**	**33.1**	**0.0**	**0.0**	**0.0**	**0.0**	**9,433**
Central	**20.5**	**36.0**	**0.0**	**36.7**	**0.0**	**0.0**	**3.0**	**0.0**	**0.0**	**0.0**	**3.8**	**0.0**	**11,652**
Kiambu	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	635
Kirinyaga	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Murang'a	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	655
Nyandarua	58.9	41.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,088
Nyeri	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,221
Thika	0.0	41.3	0.0	43.3	0.0	0.0	6.7	0.0	0.0	0.0	8.7	0.0	5,129
Maragua	27.1	0.0	0.0	72.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,923
Coast	**15.3**	**32.8**	**0.0**	**2.9**	**0.1**	**7.3**	**19.6**	**10.9**	**2.8**	**11.1**	**3.5**	**14.8**	**93,336**
Kilifi	17.7	36.1	0.0	5.1	0.0	11.4	0.0	0.0	5.1	0.0	0.0	24.5	19,858
Kwale	25.0	42.6	0.0	2.5	0.0	0.0	12.9	0.0	0.0	0.0	10.0	7.2	11,338
Lamu	21.7	7.8	0.0	7.6	0.0	6.7	18.1	9.0	0.0	0.0	22.3	6.7	1,351
Mombasa	4.8	81.7	0.0	0.0	0.0	0.0	13.4	0.0	0.0	0.0	0.0	0.0	13,277
Taita Taveta	0.0	21.8	0.0	12.3	0.0	0.0	65.9	0.0	0.0	0.0	0.0	0.0	2,810
Tana River	12.5	14.7	0.0	3.7	0.3	6.1	44.9	37.6	6.1	39.0	6.8	2.3	26,691
Malindi	20.4	17.3	0.0	0.0	0.0	15.9	5.4	0.0	0.0	0.0	0.0	41.1	18,013
Eastern	**14.0**	**15.2**	**4.5**	**14.2**	**0.5**	**4.2**	**18.1**	**17.5**	**13.3**	**0.1**	**1.3**	**9.9**	**72,185**
Embu	38.1	0.0	0.0	54.2	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	1,750
Isiolo	3.9	39.2	0.0	6.1	0.0	5.2	32.8	33.8	35.6	1.4	0.0	0.0	5,372
Kitui	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	596
Makueni	34.9	13.8	0.0	25.5	0.0	0.0	10.0	10.0	0.0	0.0	0.0	15.8	8,409
Machakos	0.0	27.1	0.0	53.5	0.0	19.4	0.0	0.0	0.0	0.0	0.0	0.0	4,504
Marsabit	7.1	10.2	0.0	1.3	1.3	3.8	18.4	24.3	28.4	0.0	0.2	5.8	25,526
Mbeere	58.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.7	447
Meru Central	13.5	32.9	32.9	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	7,007
Moyale	7.7	11.0	0.0	0.0	0.0	1.8	72.2	64.7	3.3	0.0	0.8	5.0	5,877
Mwingi	26.3	4.3	0.0	54.2	0.0	0.0	15.3	0.0	0.0	0.0	0.0	0.0	3,095

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Table 4.2: **Contd...**

Region	Too Young to Attend	No Money for School costs	Poor quality of Schools	Own Illness/ Disability	Family Illness/ Disability	Not interested, Lazy	Parents did not let me	Had to work or Help at home	School too Far	School Conflict with Beliefs	Other Reasons	Not Stated	Total Count
Meru North	14.1	8.9	12.2	0.0	0.0	8.9	12.2	0.0	0.0	0.0	8.9	34.9	7,882
Tharaka	50.8	5.9	0.0	10.0	0.0	0.0	4.1	0.0	14.3	0.0	7.7	7.1	1,720
Meru South*	-	-	-	-	-	-	-	-	-	-	-	-	-
North Eastern	**4.9**	**12.8**	**3.4**	**1.5**	**1.4**	**4.2**	**40.2**	**30.8**	**11.3**	**2.9**	**2.4**	**2.9**	**184,788**
Garissa	2.2	4.2	2.4	0.0	0.3	0.0	58.1	15.8	20.3	0.3	0.0	1.7	64,557
Mandera	5.3	12.8	5.3	1.0	3.3	3.9	26.5	26.6	5.5	8.5	5.5	3.6	59,447
Wajir	7.4	21.8	2.7	3.8	0.5	9.0	34.7	50.9	7.4	0.0	2.0	3.6	60,783
Nyanza	**39.6**	**11.7**	**0.8**	**20.2**	**5.5**	**0.3**	**1.5**	**2.5**	**0.0**	**0.0**	**1.3**	**17.1**	**35,563**
Gucha	53.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.4	3,812
Homa Bay	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	595
Kisii	48.1	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.1	2,597
Kisumu	8.7	0.0	6.9	84.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,353
Kuria	55.4	6.9	0.0	0.0	5.7	2.4	4.4	0.0	0.0	0.0	0.0	25.1	4,965
Migori	5.6	0.0	0.0	32.2	23.0	0.0	0.0	24.4	0.0	0.0	0.0	14.8	3,710
Nyamira	5.2	94.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,824
Rachuonyo	1.1	37.4	0.0	16.5	13.4	0.0	0.0	0.0	0.0	0.0	13.4	18.1	3,565
Siaya	98.9	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,810
Suba	0.0	46.8	0.0	39.4	53.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	643
Bondo	35.8	0.0	0.0	45.4	0.0	0.0	18.8	0.0	0.0	0.0	0.0	0.0	1,752
Nyando	17.8	18.9	0.0	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.2	1,936
Rift Valley	**8.9**	**14.9**	**1.2**	**6.8**	**6.6**	**8.4**	**39.0**	**30.4**	**9.1**	**8.6**	**8.0**	**8.9**	**233,731**
Baringo	6.8	9.3	0.0	2.0	0.0	35.7	52.7	7.6	10.3	0.0	12.1	13.7	16,281
Bomet	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,091
Keiyo	56.9	0.0	0.0	43.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,341
Kajiado	2.5	22.6	0.0	2.5	0.0	8.7	47.0	55.7	0.0	24.4	2.5	0.0	24,493
Kericho	0.0	0.0	0.0	44.9	0.0	0.0	12.2	0.0	0.0	0.0	0.0	42.9	2,369
Koibatek	30.8	40.4	0.0	10.1	0.0	0.0	9.3	0.0	0.0	0.0	0.0	9.4	1,826
Laikipia	11.2	38.8	0.0	0.0	0.0	41.8	0.0	0.0	0.0	0.0	0.0	8.2	5,124
Marakwet	42.7	0.0	0.0	0.0	0.0	0.0	1.4	16.8	0.0	0.0	0.0	40.5	1,737
Nakuru	6.7	25.3	0.0	47.9	1.4	0.0	0.0	18.6	0.0	0.0	0.0	18.6	6,377
Nandi	8.7	34.1	0.0	0.0	20.5	0.0	0.0	0.0	0.0	0.0	0.0	36.6	6,159
Narok	15.4	5.2	1.8	3.6	2.0	1.3	52.4	7.3	3.6	0.0	0.0	5.7	23,809
Samburu	3.1	4.3	0.0	2.1	2.1	10.5	70.9	76.8	1.0	0.0	0.0	7.3	19,585
Trans Mara	26.0	16.2	0.0	5.1	0.0	5.8	25.5	7.0	0.0	0.0	11.6	15.6	3,866

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Table 4.2: **Contd...**

Region	Too Young to Attend	No Money for School costs	Poor quality of Schools	Own Illness/ Disability	Family Illness/ Disability	Not interested, Lazy	Parents did not let me	Had to work or Help at home	School too Far	School Conflict with Beliefs	Other Reasons	Not Stated	Total Count
Trans Nzoia	34.5	0.0	9.0	8.3	0.0	0.0	7.4	0.0	5.0	0.0	0.0	35.8	10,413
Turkana	1.4	12.8	0.0	13.1	21.0	5.8	25.9	55.8	23.4	4.8	17.1	3.6	58,886
Uasin Gishu	36.2	12.2	0.0	0.0	11.4	36.6	0.0	0.0	0.0	0.0	0.0	15.0	8,185
West Pokot	3.2	22.5	2.2	0.0	0.0	1.1	67.9	12.1	10.5	28.1	14.0	6.0	39,953
Buret	47.2	0.0	52.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,235
Western	**28.2**	**43.9**	**0.4**	**3.1**	**4.6**	**6.5**	**6.9**	**0.0**	**0.0**	**0.0**	**7.9**	**8.6**	**50,008**
Bungoma	12.1	52.0	0.0	11.8	17.0	12.1	12.1	0.0	0.0	0.0	12.1	0.0	11,908
Busia	40.1	16.2	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	14.4	14.4	7,873
Mt. Elgon	57.6	0.0	10.7	0.0	0.0	13.8	8.1	0.0	0.0	0.0	0.0	9.8	1,821
Kakamega	49.4	40.8	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	9.8	0.0	8,794
Lugari	35.2	21.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	40.2	1,127
Teso	10.4	73.4	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	4.2	5.8	5,531
Vihiga	17.9	64.3	0.0	0.0	0.0	0.0	18.1	0.0	0.0	0.0	0.0	17.9	6,010
Butere/Mumias	30.0	39.7	0.0	2.3	0.0	0.0	11.3	0.0	0.0	0.0	4.5	16.8	6,944

* Did not respond

Table 4.3: **Percentage distribution of Population (6-17 years) who never attended school by Reason and Age group (yrs)**

	Too Young to Attend	No Money for School costs	Poor quality of Schools	Own Illness/ Disability	Family Illness/ Disability	Not interested, Lazy	Parents did not let me	Had to work or Help at home	School too Far	School Conflict with Beliefs	Other Reasons	Not Stated	Total Count
Kenya	**12.6**	**19.8**	**1.9**	**6.6**	**3.3**	**5.9**	**29.1**	**22.4**	**7.9**	**5.2**	**8.3**	**4.7**	**690,695**
Rural	12.5	17.5	1.9	6.1	3.5	6.3	30.4	23.0	8.4	5.6	8.8	5.0	629,198
Urban	12.8	42.9	1.5	12.6	1.4	1.9	16.0	16.6	2.4	0.7	4.0	1.4	61,498
Age group													
6 - 9	26.0	16.5	1.9	3.9	2.0	3.4	19.6	14.2	6.5	3.4	15.3	3.5	333,931
10 - 14	0.0	21.3	1.9	11.4	4.3	7.5	38.6	30.6	10.6	6.7	1.3	4.7	207,193
15 - 17	0.0	25.0	1.8	6.1	4.8	9.3	37.2	29.4	7.3	7.0	2.4	7.2	149,571

Table 4.4: **School Gross Attendance Ratio (GAR) by Sex and Region**

Region	Primary School				Secondary School			
	Male	Female	Total	Total Count	Male	Female	Total	Total Count
Kenya	**119.1**	**115.0**	**117.0**	**7,705,335**	**42.2**	**37.7**	**40.0**	**3,665,751**
Rural	120.5	116.0	118.3	6,495,689	39.3	35.4	37.4	3,085,574
Urban	111.4	109.4	110.4	1,209,646	57.5	49.9	53.7	580,178
Nairobi	**103.2**	**113.3**	**108.4**	**416,899**	**82.7**	**69.5**	**76.5**	**167,765**
Central	**119.7**	**120.8**	**120.2**	**849,203**	**55.5**	**50.4**	**52.5**	**454,842**
Kiambu	118.9	115.4	117.0	196,021	50.6	61.6	56.7	104,121
Kirinyaga	95.4	106.7	101.6	96,239	71.0	52.7	59.7	39,235
Murang'a	153.3	143.3	147.6	62,266	42.5	53.9	48.2	42,121
Nyandarua	120.3	129.4	124.6	126,543	47.0	50.7	49.1	56,516
Nyeri	117.5	117.9	117.7	140,459	94.9	47.7	65.1	84,908
Thika	118.5	121.3	119.9	134,788	36.3	38.8	37.8	72,784
Maragua	128.8	124.3	126.5	92,888	47.7	45.5	46.5	55,157
Coast	**117.6**	**104.5**	**111.0**	**720,996**	**25.4**	**20.4**	**22.9**	**343,491**
Kilifi	121.0	107.9	114.3	154,848	29.1	15.6	23.9	61,112
Kwale	137.2	97.7	116.8	163,773	30.0	17.1	24.5	76,337
Lamu	122.9	108.4	115.7	18,279	31.1	34.1	32.6	9,114
Mombasa	103.4	102.5	102.9	149,034	25.9	29.2	27.8	82,971
Taita Taveta	128.8	144.5	136.2	63,726	26.1	23.4	24.7	39,670
Tana River	91.8	71.5	82.0	75,367	5.3	8.8	7.1	27,870
Malindi	112.9	113.1	113.0	95,970	19.4	13.6	16.2	46,417
Eastern	**123.1**	**128.2**	**125.6**	**1,275,155**	**35.5**	**33.2**	**34.3**	**634,490**
Embu	137.8	138.8	138.4	63,788	50.4	59.7	54.7	31,070
Isiolo	100.4	96.8	98.5	28,062	29.7	16.9	23.3	11,067
Kitui	114.7	124.8	119.7	152,314	28.0	33.8	31.1	73,058
Makueni	128.7	143.9	135.5	220,350	43.6	33.8	38.9	127,471
Machakos	126.3	136.7	131.5	251,663	42.1	26.3	33.1	130,262
Marsabit	59.1	62.7	61.0	37,843	10.8	6.8	8.8	15,901
Mbeere	143.7	142.8	143.2	40,772	34.9	47.1	41.0	21,110
Meru Central	125.3	127.9	126.5	114,825	37.3	37.4	37.3	67,943
Moyale	101.2	89.3	95.4	20,791	34.4	25.0	30.3	9,261
Mwingi	132.3	114.1	122.8	97,460	21.6	29.9	25.1	41,304
Meru North	114.7	126.9	120.7	173,630	26.0	28.3	27.4	68,325
Tharaka	138.3	124.6	129.7	26,646	37.1	13.7	23.3	10,619
Meru South	142.6	129.9	136.0	47,012	26.7	73.4	48.1	27,099
North Eastern	**87.2**	**53.8**	**71.5**	**321,307**	**20.0**	**8.8**	**15.3**	**116,870**
Garissa	87.4	58.5	72.1	113,114	23.5	14.0	19.5	47,757
Mandera	81.5	43.4	62.5	89,041	15.1	1.2	9.3	32,241
Wajir	90.6	57.7	77.7	119,153	19.8	8.6	15.1	36,872
Nyanza	**132.2**	**117.6**	**124.7**	**1,119,020**	**46.3**	**46.3**	**46.3**	**549,220**
Gucha	138.8	139.6	139.2	101,873	80.0	90.8	85.1	53,592
Homa Bay	124.9	107.1	115.4	70,945	41.8	29.0	34.9	28,178
Kisii	120.5	103.3	112.3	118,161	48.9	137.4	71.7	48,646
Kisumu	132.1	117.8	124.7	128,579	47.5	40.2	43.8	70,399
Kuria	124.1	126.2	125.0	47,488	18.4	13.5	16.4	19,934
Migori	133.2	110.7	120.9	131,822	34.8	16.5	25.8	56,917
Nyamira	126.2	120.3	123.1	116,411	78.4	69.4	73.3	66,975
Rachuonyo	149.3	116.8	130.2	101,174	44.0	50.0	47.2	51,078
Siaya	131.7	119.0	125.2	130,632	23.7	22.1	23.0	63,126
Suba	141.2	123.2	132.6	33,536	29.5	20.7	25.8	16,824
Bondo	122.2	128.7	125.2	61,738	49.7	21.0	35.0	30,638
Nyando	147.0	112.9	130.4	76,661	33.4	23.4	29.2	42,915
Rift Valley	**115.1**	**110.9**	**113.0**	**1,974,913**	**41.0**	**37.2**	**39.2**	**902,811**
Baringo	146.4	146.0	146.2	82,527	35.1	36.9	36.1	48,381
Bomet	126.6	127.3	127.0	123,390	72.6	38.1	55.2	50,609
Keiyo	140.3	126.0	132.5	41,620	60.1	51.4	56.1	21,353

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Table 4.4: **Contd...**

Region	Primary School				Secondary School			
	Male	Female	Total	Total Count	Male	Female	Total	Total Count
Kajiado	83.6	97.7	91.2	110,961	39.6	22.1	30.5	34,090
Kericho	112.6	111.2	111.9	98,821	58.3	32.1	45.8	27,253
Koibatek	135.3	126.4	130.7	43,898	44.3	55.6	50.2	21,565
Laikipia	114.5	102.0	109.1	100,346	53.7	50.9	52.6	38,600
Marakwet	106.8	117.8	112.5	45,249	48.5	37.0	43.6	17,377
Nakuru	120.1	112.7	116.5	244,641	37.7	48.2	41.8	140,104
Nandi	125.1	124.4	124.8	190,869	35.9	37.5	36.8	88,513
Narok	91.6	70.5	82.0	135,815	33.2	26.4	30.0	44,391
Samburu	91.0	78.1	84.6	60,750	29.3	2.6	14.7	18,390
Trans Mara	84.4	102.0	92.6	54,588	19.6	14.7	17.0	17,912
Trans Nzoia	141.8	128.8	134.7	171,909	44.0	33.4	38.6	107,543
Turkana	87.5	55.8	72.3	122,883	5.8	5.1	5.5	48,004
Uasin Gishu	125.2	130.1	127.5	152,391	46.2	56.3	51.3	95,415
West Pokot	103.2	91.4	97.8	94,885	28.2	18.8	23.7	44,603
Buret	121.3	132.9	127.3	99,372	63.5	47.8	54.4	38,709
Western	**125.7**	**124.3**	**125.0**	**1,027,842**	**40.9**	**29.8**	**35.2**	**496,264**
Bungoma	127.6	132.7	130.2	292,568	59.2	30.8	44.3	140,234
Busia	129.4	106.5	118.6	136,102	16.8	31.5	22.7	59,008
Mt. Elgon	138.0	116.9	126.3	53,731	41.0	27.0	34.1	24,577
Kakamega	112.5	132.6	122.7	148,803	47.8	25.7	34.9	63,035
Lugari	136.8	139.7	138.3	56,107	32.8	24.4	28.0	39,704
Teso	133.5	128.4	131.1	59,603	49.3	27.1	36.9	27,571
Vihiga	136.5	111.4	122.9	138,408	28.6	46.0	36.3	70,603
Butere/Mumias	111.1	123.2	116.8	142,519	40.0	22.0	30.9	71,533

Table 4.5: **School Net Attendance Ratio (NAR) by Sex and Region**

Region	Primary School				Secondary School			
	Male	Female	Total	Total Count	Male	Female	Total	Total Count
Kenya	**78.0**	**80.2**	**79.0**	**7,705,335**	**17.0**	**19.2**	**18.1**	**3,665,751**
Rural	77.5	79.1	78.3	6,495,689	14.4	17.4	15.9	3,085,574
Urban	80.6	85.7	83.2	1,209,646	30.7	29.1	29.9	580,178
Nairobi	**86.1**	**91.7**	**89.0**	**416,899**	**40.6**	**38.5**	**39.6**	**167,765**
Central	**87.2**	**89.1**	**88.2**	**849,203**	**29.0**	**30.6**	**29.9**	**454,842**
Kiambu	83.6	93.4	88.9	196,021	26.3	40.2	34.0	104,121
Kirinyaga	78.5	81.1	79.9	96,239	28.7	27.8	28.1	39,235
Murang'a	98.1	97.1	97.5	62,266	17.7	21.1	19.4	42,121
Nyandarua	92.3	94.3	93.2	126,543	22.2	34.9	29.6	56,516
Nyeri	89.8	84.3	87.0	140,459	51.2	30.3	38.0	84,908
Thika	83.1	88.5	85.9	134,788	27.0	21.3	23.6	72,784
Maragua	90.3	84.3	87.2	92,888	24.9	30.1	27.6	55,157
Coast	**70.1**	**70.9**	**70.5**	**720,996**	**10.7**	**10.5**	**10.6**	**343,491**
Kilifi	70.0	74.4	72.3	154,848	17.0	7.6	13.4	61,112
Kwale	77.4	68.8	73.0	163,773	10.4	9.4	10.0	76,337
Lamu	79.8	80.0	79.9	18,279	13.9	22.4	18.1	9,114
Mombasa	60.5	74.0	67.5	149,034	14.2	17.3	16.0	82,971
Taita Taveta	83.1	88.2	85.5	63,726	8.5	13.2	11.1	39,670
Tana River	62.1	51.4	56.9	75,367	.	3.1	1.6	27,870
Malindi	68.4	66.0	67.2	95,970	2.0	1.7	1.8	46,417
Eastern	**82.5**	**86.9**	**84.7**	**1,275,155**	**13.2**	**16.9**	**15.1**	**634,490**
Embu	89.3	92.4	90.9	63,788	21.5	19.0	20.3	31,070
Isiolo	64.8	74.0	69.6	28,062	15.8	5.2	10.5	11,067
Kitui	75.1	85.0	80.1	152,314	13.4	14.8	14.1	73,058
Makueni	83.8	90.4	86.7	220,350	11.8	13.2	12.5	127,471
Machakos	86.4	92.1	89.3	251,663	18.2	19.6	19.0	130,262
Marsabit	45.8	45.8	45.8	37,843	5.4	6.8	6.1	15,901
Mbeere	89.0	94.4	91.9	40,772	19.5	12.8	16.2	21,110
Meru Central	88.9	89.4	89.1	114,825	16.2	31.5	23.4	67,943
Moyale	69.0	63.3	66.3	20,791	12.8	10.2	11.7	9,261
Mwingi	76.7	82.9	79.9	97,460	5.7	8.8	7.0	41,304
Meru North	87.2	88.3	87.7	173,630	4.0	13.3	9.8	68,325
Tharaka	82.5	78.0	79.7	26,646	9.6	-	3.9	10,619
Meru South	87.3	93.1	90.3	47,012	12.2	33.7	22.1	27,099
North Eastern	**57.6**	**40.3**	**49.5**	**321,307**	**8.6**	**4.4**	**6.8**	**116,870**
Garissa	57.4	44.5	50.6	113,114	12.6	9.3	11.2	47,757
Mandera	52.8	33.9	43.4	89,041	3.5	1.2	2.5	32,241
Wajir	60.8	40.8	52.9	119,153	7.9	0.8	4.9	36,872
Nyanza	**80.8**	**83.2**	**82.1**	**1,119,020**	**16.2**	**21.5**	**18.7**	**549,220**
Gucha	76.7	84.5	80.4	101,873	15.1	22.0	18.3	53,592
Homa Bay	77.7	76.1	76.9	70,945	7.9	14.3	11.3	28,178
Kisii	70.4	89.1	79.3	118,161	19.7	58.0	29.6	48,646
Kisumu	83.4	86.5	85.0	128,579	26.8	25.6	26.2	70,399
Kuria	68.2	78.8	72.8	47,488	9.8	4.5	7.6	19,934
Migori	83.8	77.1	80.2	131,822	8.5	6.8	7.7	56,917
Nyamira	87.3	85.9	86.5	116,411	27.2	43.9	36.8	66,975
Rachuonyo	86.1	83.9	84.8	101,174	14.8	27.6	21.7	51,078
Siaya	83.8	85.9	84.9	130,632	11.5	4.0	8.2	63,126
Suba	80.7	85.6	83.1	33,536	7.6	6.9	7.3	16,824
Bondo	83.7	88.9	86.1	61,738	16.2	10.3	13.2	30,638
Nyando	83.7	72.9	78.4	76,661	13.1	9.4	11.5	42,915
Rift Valley	**74.3**	**75.5**	**74.9**	**1,974,913**	**15.8**	**18.9**	**17.3**	**902,811**
Baringo	76.4	72.3	74.3	82,527	2.0	6.6	4.5	48,381
Bomet	84.9	92.3	88.5	123,390	14.1	24.0	19.1	50,609
Keiyo	77.1	85.9	81.9	41,620	20.7	10.2	15.9	21,353

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Table 4.5: **Contd...**

Region	Primary School				Secondary School			
	Male	Female	Total	Total Count	Male	Female	Total	Total Count
Kajiado	64.9	70.3	67.8	110,961	27.7	15.7	21.4	34,090
Kericho	80.7	83.5	82.0	98,821	14.9	3.2	9.3	27,253
Koibatek	83.8	86.8	85.4	43,898	11.8	25.6	19.1	21,565
Laikipia	90.7	79.2	85.8	100,346	27.0	32.9	29.3	38,600
Marakwet	73.3	81.0	77.3	45,249	29.1	11.1	21.4	17,377
Nakuru	80.0	87.9	83.8	244,641	22.6	29.1	25.1	140,104
Nandi	78.1	81.4	79.7	190,869	12.7	19.2	16.2	88,513
Narok	66.0	55.2	61.1	135,815	11.0	14.0	12.4	44,391
Samburu	61.5	52.4	57.0	60,750	7.1	.	3.2	18,390
Trans Mara	60.3	71.0	65.3	54,588	3.4	7.0	5.3	17,912
Trans Nzoia	74.9	73.9	74.3	171,909	9.7	17.2	13.5	107,543
Turkana	47.4	40.6	44.1	122,883	.	3.5	1.4	48,004
Uasin Gishu	81.1	89.0	84.8	152,391	23.8	32.6	28.2	95,415
West Pokot	59.6	52.3	56.3	94,885	8.5	10.5	9.5	44,603
Buret	83.9	86.9	85.5	99,372	26.7	20.6	23.2	38,709
Western	**78.2**	**83.1**	**80.7**	**1,027,842**	**13.9**	**11.2**	**12.6**	**496,264**
Bungoma	77.7	85.9	81.9	292,568	20.5	9.8	14.9	140,234
Busia	81.5	76.4	79.1	136,102	9.3	2.1	6.4	59,008
Mt. Elgon	70.7	77.7	74.6	53,731	2.3	4.8	3.6	24,577
Kakamega	81.8	83.4	82.6	148,803	15.2	13.8	14.4	63,035
Lugari	80.6	90.1	85.4	56,107	12.8	17.6	15.5	39,704
Teso	76.8	79.7	78.2	59,603	9.9	11.9	11.0	27,571
Vihiga	77.1	83.7	80.6	138,408	9.4	16.5	12.6	70,603
Butere/Mumias	75.7	83.0	79.2	142,519	16.0	10.9	13.4	71,533

Table 4.6: **Percentage distribution of Population (15+ years) by Ability to Read and Write, Sex and Region**

Region	Kenya			Male			Female			Total Count
	Can Read and Write	Can not Read and Write	Not Stated	Can Read and Write	Can not Read and Write	Not Stated	Can Read and Write	Can not Read and Write	Not Stated	
Kenya	**79.0**	**17.1**	**1.0**	**84.8**	**11.6**	**1.0**	**73.6**	**22.3**	**1.0**	**20,156,964**
Rural	75.7	20.3	1.0	82.2	14.0	1.1	69.6	26.3	0.9	15,726,951
Urban	90.8	5.7	1.1	93.6	3.5	0.9	88.1	7.9	1.4	4,430,013
Nairobi	**95.3**	**2.1**	**1.1**	**96.6**	**1.4**	**0.5**	**93.9**	**2.9**	**1.8**	**1,801,271**
Central	**86.2**	**10.8**	**0.4**	**91.2**	**6.1**	**0.3**	**81.7**	**15.0**	**0.5**	**2,754,217**
Kiambu	94.8	3.5	0.6	97.3	2.0	0.3	92.6	4.9	0.8	591,398
Kirinyaga	80.3	12.2	0.6	84.9	7.1	0.0	76.1	17.0	1.1	359,032
Murang'a	78.0	21.7	0.1	84.0	15.5	0.0	73.0	26.8	0.2	249,393
Nyandarua	83.8	12.1	0.2	89.3	6.3	0.5	78.8	17.3	0.0	320,603
Nyeri	91.3	7.6	0.0	95.2	4.1	0.0	87.9	10.6	0.0	497,959
Thika	82.8	14.2	0.5	90.9	6.8	0.5	75.9	20.4	0.5	442,219
Maragua	82.1	13.6	0.8	89.1	7.4	1.0	75.9	19.1	0.6	293,612
Coast	**70.4**	**25.8**	**0.7**	**82.1**	**14.5**	**0.8**	**59.9**	**36.1**	**0.5**	**1,820,737**
Kilifi	65.1	33.6	1.0	84.2	14.5	1.1	49.0	49.7	0.9	317,262
Kwale	64.2	31.9	0.5	80.2	16.0	0.6	48.5	47.5	0.5	392,328
Lamu	67.3	27.7	0.0	74.8	20.4	0.0	59.6	35.1	0.0	43,766
Mombasa	86.2	9.6	0.3	91.5	5.0	0.7	81.5	13.7	0.0	544,440
Taita Taveta	79.1	15.2	1.0	92.9	5.2	0.2	67.7	23.4	1.7	186,300
Tana River	33.7	59.5	0.1	40.2	51.8	0.0	27.6	66.7	0.3	136,827
Malindi	65.6	32.6	1.6	78.9	18.0	2.8	54.6	44.8	0.7	199,815
Eastern	**79.0**	**17.4**	**0.9**	**84.3**	**12.2**	**1.1**	**74.0**	**22.3**	**0.8**	**3,347,312**
Embu	87.2	10.0	0.0	91.2	5.5	0.0	83.3	14.5	0.0	250,958
Isiolo	52.7	44.8	1.0	62.5	35.1	1.1	42.1	55.3	0.9	59,751
Kitui	78.0	18.6	0.0	85.3	11.1	0.0	72.0	24.7	0.0	344,967
Makueni	84.9	12.1	1.4	92.3	5.1	1.2	77.7	19.0	1.5	565,225
Machakos	86.7	12.2	0.0	91.8	7.6	0.1	82.3	16.2	0.0	699,983
Marsabit	22.7	71.2	0.8	26.8	68.6	0.6	18.6	73.8	1.1	71,164
Mbeere	84.6	12.0	1.5	92.7	4.8	1.3	76.7	19.1	1.7	120,403
Meru Central	81.3	14.3	0.7	81.3	13.6	1.5	81.4	14.9	0.0	367,846
Moyale	40.7	56.6	0.6	50.7	46.0	1.2	30.2	67.9	0.0	39,053
Mwingi	75.4	20.2	1.3	85.6	10.7	1.8	66.2	28.8	0.8	208,054
Meru North	65.6	25.0	3.0	68.8	22.2	3.0	62.3	28.0	3.0	393,768
Tharaka	72.3	26.6	1.1	83.2	15.4	1.4	62.4	36.6	0.8	61,776
Meru South	88.2	9.7	1.5	93.5	4.2	2.0	83.2	15.1	1.0	164,364
North Eastern	**28.2**	**67.7**	**1.0**	**42.4**	**52.7**	**0.9**	**13.7**	**83.2**	**1.0**	**512,971**
Garissa	39.7	57.9	0.0	53.4	45.3	0.0	24.3	72.0	0.0	191,804
Mandera	18.5	71.6	3.5	31.0	55.0	3.3	6.1	87.9	3.7	141,650
Wajir	23.6	75.2	0.0	38.8	59.3	0.0	9.1	90.5	0.0	179,518
Nyanza	**84.5**	**12.6**	**0.8**	**91.9**	**5.8**	**0.8**	**77.9**	**18.6**	**0.9**	**2,824,316**
Gucha	82.7	13.1	0.9	90.0	5.7	0.9	75.6	20.2	0.8	315,185
Homa Bay	78.1	19.1	1.0	90.5	7.9	0.5	66.9	29.3	1.4	159,865
Kisii	87.8	11.3	0.1	93.6	6.2	0.2	82.8	15.8	0.1	284,521
Kisumu	91.1	4.0	1.7	95.6	1.6	1.4	87.1	6.2	2.1	402,049
Kuria	73.0	25.0	0.0	82.9	15.1	0.0	62.6	35.3	0.0	98,569
Migori	87.9	10.9	0.0	95.6	3.6	0.0	81.4	17.1	0.0	294,677
Nyamira	86.7	11.4	1.4	90.6	7.6	1.8	83.5	14.5	1.1	321,454
Rachuonyo	86.8	10.5	0.0	92.3	5.3	0.0	81.9	15.0	0.0	210,759
Siaya	78.2	18.5	1.4	89.2	8.5	1.5	68.7	27.2	1.4	313,691
Suba	79.0	18.1	0.5	90.0	6.5	0.6	69.4	28.0	0.5	90,097
Bondo	81.3	18.0	0.0	94.5	4.1	0.0	70.4	29.6	0.0	141,219
Nyando	83.2	10.3	1.1	90.4	4.6	0.9	76.9	15.4	1.2	192,229

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Table 4.6: **Contd...**

Region	Kenya			Male			Female			Total Count
	Can Read and Write	Can not Read and Write	Not Stated	Can Read and Write	Can not Read and Write	Not Stated	Can Read and Write	Can not Read and Write	Not Stated	
Rift Valley	**73.0**	**20.6**	**1.6**	**77.7**	**16.2**	**1.8**	**68.2**	**25.3**	**1.5**	**4,779,287**
Baringo	72.5	22.5	1.3	71.4	21.8	2.7	73.6	23.2	0.0	206,591
Bomet	83.2	11.8	2.3	89.1	6.3	2.6	77.4	17.3	2.0	238,081
Keiyo	81.7	9.2	1.3	85.5	7.3	1.0	78.0	11.1	1.6	112,760
Kajiado	70.5	26.1	0.0	75.5	21.3	0.0	65.2	31.1	0.0	258,991
Kericho	88.8	8.5	0.0	95.0	3.5	0.0	81.1	14.8	0.0	258,034
Koibatek	78.7	13.0	1.8	85.9	8.3	1.2	71.3	17.9	2.5	107,985
Laikipia	73.7	20.4	2.0	80.8	13.2	2.8	65.5	28.6	1.2	254,341
Marakwet	79.0	18.2	0.8	82.9	15.3	0.6	74.9	21.2	1.1	88,845
Nakuru	79.7	9.4	1.4	84.4	6.0	1.4	74.6	13.2	1.2	759,432
Nandi	81.3	13.1	1.0	82.0	11.7	1.0	80.6	14.4	0.9	429,049
Narok	53.7	41.3	0.0	57.3	35.7	0.1	50.2	46.6	0.0	221,031
Samburu	36.3	61.1	0.0	49.7	48.5	0.0	23.7	72.8	0.0	88,511
Trans Mara	61.9	29.6	0.9	70.6	21.0	1.0	53.4	38.0	0.8	90,331
Trans Nzoia	73.9	14.6	8.6	76.6	11.0	9.7	71.2	18.2	7.5	498,239
Turkana	19.1	77.3	0.2	29.3	67.3	0.3	7.9	88.3	0.2	292,714
Uasin Gishu	91.0	7.1	0.0	93.3	5.0	0.0	88.5	9.5	0.0	457,700
West Pokot	53.1	39.1	0.4	60.3	32.5	0.8	46.4	45.4	0.0	193,275
Buret	86.2	10.2	0.7	87.8	9.3	0.0	84.4	11.2	1.5	223,378
Western	**81.7**	**16.0**	**0.9**	**87.5**	**10.6**	**0.9**	**76.4**	**20.8**	**0.9**	**2,316,852**
Bungoma	85.8	10.4	2.1	89.8	7.3	2.1	82.0	13.3	2.2	637,348
Busia	74.6	23.7	0.0	85.6	14.1	0.0	64.5	32.4	0.1	263,638
Mt. Elgon	75.2	18.4	0.0	80.7	12.2	0.0	69.8	24.4	0.0	108,652
Kakamega	78.8	20.3	0.1	83.4	16.5	0.0	75.1	23.4	0.2	360,753
Lugari	90.2	9.1	0.2	92.8	6.7	0.0	87.7	11.4	0.4	152,024
Teso	76.0	19.7	3.3	84.2	11.4	3.2	68.1	27.5	3.4	128,614
Vihiga	84.2	14.6	0.7	89.5	9.0	0.8	79.4	19.6	0.6	357,237
Butere/Mumias	80.2	18.6	0.1	87.8	10.9	0.0	73.8	25.1	0.1	308,586

Table 4.7: **Percentage distribution of population (15-24 years) by Ability to Read and Write, Age and Sex**

	Kenya				Rural				Urban			
	Can Read and Write	Can not Read and Write	Not Specified	Total Count	Can Read and Write	Can not Read and Write	Not Specified	Total Count	Can Read and Write	Can not Read and Write	Not Specified	Total Count
Kenya												
15	91.2	6.2	1.1	1,001,272	90.7	6.8	1.1	874,820	95.3	2.3	1.0	126,452
16	90.0	7.3	1.0	881,153	90.8	7.3	0.7	739,288	85.5	7.4	2.9	141,865
17	90.9	6.3	0.7	851,928	91.0	6.6	0.7	705,683	90.0	4.8	0.6	146,244
18	89.4	8.0	1.1	952,555	88.2	9.0	1.0	776,407	94.8	3.3	1.7	176,148
19	90.1	6.6	1.1	802,180	89.0	7.6	1.1	644,182	94.4	2.8	1.2	157,998
20	87.7	8.7	1.4	779,847	87.3	9.7	1.4	586,038	88.9	6.0	1.7	193,808
21	90.4	6.3	1.2	722,063	89.2	7.6	1.3	539,800	93.9	2.6	0.8	182,263
22	86.3	9.7	2.2	691,968	83.3	12.5	2.3	522,665	95.3	1.2	1.9	169,303
23	88.0	7.8	2.3	680,853	87.1	9.1	1.7	468,808	90.2	4.8	3.6	212,046
24	86.8	7.8	2.2	475,762	85.2	10.3	2.2	326,307	90.5	2.4	2.4	149,455
Male												
15	90.5	6.5	1.1	520,766	89.6	7.3	1.2	450,729	96.5	1.6	1.0	70,036
16	89.8	8.1	1.1	446,554	90.9	7.5	0.8	377,385	84.2	11.5	2.7	69,170
17	92.3	3.8	1.0	409,126	92.0	4.4	1.1	341,757	93.8	0.8	0.7	67,369
18	90.0	7.8	0.6	489,767	89.1	8.6	0.5	411,303	94.7	3.9	1.0	78,464
19	90.5	6.3	1.6	405,474	90.2	6.7	1.7	342,928	92.0	3.9	0.7	62,546
20	88.7	7.9	1.6	384,512	88.8	8.0	1.6	309,968	88.3	7.8	1.9	74,545
21	90.7	6.0	1.2	365,578	90.0	6.5	1.1	284,823	93.2	4.5	1.6	80,755
22	86.9	9.7	1.7	317,177	84.8	11.7	1.8	254,397	95.3	1.5	1.0	62,780
23	92.6	4.3	1.6	304,927	91.5	5.9	1.4	202,668	94.9	1.1	1.9	102,258
24	86.3	7.2	2.9	232,202	85.2	10.1	2.9	156,825	88.7	1.1	2.8	75,377
Female												
15	92.0	5.9	1.0	480,507	91.8	6.2	1.0	424,091	93.9	3.1	0.9	56,416
16	90.1	6.4	1.0	434,598	90.8	7.0	0.6	361,903	86.8	3.5	3.0	72,696
17	89.6	8.5	0.4	442,801	90.1	8.5	0.4	363,926	86.9	8.2	0.5	78,875
18	88.7	8.1	1.7	462,788	87.1	9.5	1.5	365,104	94.8	2.8	2.3	97,684
19	89.7	6.9	0.6	396,706	87.7	8.5	0.3	301,254	96.0	2.0	1.4	95,453
20	86.8	9.5	1.2	395,334	85.7	11.5	1.1	276,071	89.4	4.9	1.5	119,264
21	90.1	6.6	1.1	356,485	88.4	8.8	1.5	254,977	94.4	1.2	0.2	101,508
22	85.7	9.8	2.6	374,791	81.9	13.3	2.7	268,268	95.3	1.0	2.5	106,523
23	84.3	10.6	2.9	375,927	83.7	11.5	1.9	266,140	85.9	8.3	5.1	109,787
24	87.4	8.4	1.6	243,560	85.2	10.4	1.5	169,482	92.2	3.8	2.0	74,078

Table 4.8: **Percentage distribution of Population aged 6-17 years by type of school and level attending**

Schooling Level	Government	Private	Community	Other	Not stated	Total Count
Pre School	67.0	26.3	6.4		0.2	806,730
Primary	89.9	9.7	0.3	0.0	0.1	8,342,398
Secondary	79.6	19.0	0.9		0.4	702,284
University	100.0					196
Training[1]	11.0	60.2	28.7			6,020
Not Stated	79.4	14.9			5.7	94,686

[1] *This includes professional and vocational training in colleges*

Table 4.9: **Percentage distribution of Population (3+ years) by Highest School level Completed**

	Pre School	Primary	Secondary	University	None	Other	Total Count
Kenya	**9.5**	**86.4**	**25.0**	**1.2**	**3.6**	**0.5**	**26,001,421**
Rural	9.8	85.9	20.0	0.5	3.9	0.4	20,279,654
Urban	8.4	88.2	42.4	3.4	2.4	0.9	5,721,767
Sex							
Male	9.4	86.6	26.7	1.6	3.5	0.5	13,278,704
Female	9.7	86.2	23.3	0.7	3.7	0.5	12,722,716
Age Group							
3 - 5	51.1	0.0	0.0		48.3	0.6	572,931
6 - 9	76.8	0.0	0.0		22.7	0.5	4,390,627
10 - 14	3.0	96.4	0.0	0.0	0.5	0.1	4,274,082
15 - 19		99.8	23.7		0.1	0.1	4,191,434
20 - 24	0.3	99.0	42.2	1.9	0.1	0.6	3,076,807
25 - 29	0.1	99.4	42.0	2.4	0.1	0.3	2,384,859
30 - 34	0.1	98.9	41.7	2.7		1.0	1,824,687
35 - 39	0.1	98.9	42.8	2.8	0.1	0.9	1,425,065
40 - 44	0.4	98.5	40.7	2.3	0.1	1.0	1,213,550
45 - 49	0.6	99.0	41.9	1.5	0.1	0.4	891,336
50 - 54	0.3	98.7	33.6	2.1	0.3	0.7	590,398
55 - 59	0.5	98.3	28.9	1.5	0.0	1.2	450,848
60 - 64	0.5	97.7	22.7	3.3	0.4	1.5	272,579
65 +	0.6	97.6	15.3	1.8	0.8	1.0	442,219

Table 4.10: **Proportion of Children (3-5 years) attending School by Region**

Region	Percent	Total Count	Region	Percent	Total Count
Kenya	**28.2**	**1,947,072**	**Nyanza**	**33.6**	**255,100**
Sex			Gucha	28.5	27,764
Male	26.3	968,089	Homa Bay	30.7	18,771
Female	30.1	978,983	Kisii	30.1	27,178
			Kisumu	22.6	25,020
Rural	24.3	1,587,952	Kuria	27.9	11,067
Urban	45.5	359,120	Migori	42.8	30,511
			Nyamira	37.8	29,230
Nairobi	**58.9**	**150,610**	Rachuonyo	56.3	14,736
			Siaya	25.4	29,048
Central	**39.1**	**188,145**	Suba	30.5	8,002
Kiambu	52.6	46,577	Bondo	47.8	11,779
Kirinyaga	45.4	20,713	Nyando	32.5	21,994
Murang'a	29.0	15,830			
Nyandarua	31.8	23,659	**Rift Valley**	**29.3**	**519,461**
Nyeri	37.6	28,413	Baringo	25.0	20,199
Thika	35.8	33,852	Bomet	25.1	23,708
Maragua	24.8	19,103	Keiyo	31.2	12,632
			Kajiado	45.7	31,263
Coast	**22.5**	**189,532**	Kericho	20.5	40,273
Kilifi	12.5	37,224	Koibatek	24.8	12,010
Kwale	21.6	48,547	Laikipia	31.5	15,236
Lamu	26.4	5,382	Marakwet	17.4	9,300
Mombasa	34.4	45,788	Nakuru	31.1	79,995
Taita Taveta	28.7	9,380	Nandi	14.9	47,820
Tana River	19.0	19,047	Narok	16.2	29,193
Malindi	16.6	24,165	Samburu	30.7	14,127
			Trans Mara	14.7	15,019
Eastern	**17.0**	**299,282**	Trans Nzoia	31.4	45,965
Embu	25.7	16,359	Turkana	60.0	36,624
Isiolo	31.8	8,254	Uasin Gishu	42.9	30,846
Kitui	18.2	36,835	West Pokot	23.3	25,406
Makueni	15.6	44,605	Buret	21.9	29,848
Machakos	17.6	70,131			
Marsabit	25.9	6,670	**Western**	**18.7**	**263,870**
Mbeere	22.1	9,562	Bungoma	15.5	78,468
Meru Central	9.8	27,342	Busia	27.8	35,819
Moyale	11.5	4,328	Mt. Elgon	16.7	17,266
Mwingi	22.2	24,237	Kakamega	17.4	40,444
Meru North	9.1	33,533	Lugari	39.0	12,875
Tharaka	6.1	8,610	Teso	13.8	17,666
Meru South	22.5	8,816	Vihiga	17.5	32,586
			Butere/Mumias	13.9	28,746
North Eastern	**8.6**	**81,071**			
Garissa	12.2	28,340			
Mandera	6.3	31,523			
Wajir	7.3	21,209			

Table 4.11: **Percentage distribution of Population (6-17 years) by School attendance**

	Ever Attended	Never Attended	Not Specified	Total Count
Kenya	**93.4**	**6.2**	**0.5**	**11,215,740**
Rural	93.0	6.7	0.4	9,458,698
Urban	95.6	3.5	0.9	1,757,042
Age group				
6 - 9	91.2	8.4	0.4	3,980,025
10 - 14	95.0	4.6	0.4	4,501,363
15 - 17	93.9	5.5	0.7	2,734,352

Table 4.12: **Percentage distribution of Children (6 - 17 years) who have ever attended school by Region**

Region	Currently in School	Not Currently in School	Not stated	Total Count	Region	Currently in School	Not Currently in School	Not stated	Total Count
Kenya	**95.0**	**4.8**	**0.1**	**10,471,793**	**Nyanza**	**95.6**	**4.2**	**0.2**	**1,600,960**
					Gucha	97.9	2.1	0.0	148,717
Rural	95.4	4.4	0.2	8,792,300	Homa Bay	93.8	6.2	0.0	95,127
Urban	93.0	7.0	0.0	1,679,493	Kisii	98.3	1.7	0.0	162,549
					Kisumu	93.4	6.1	0.5	192,049
Male	95.7	4.2	0.1	5,246,976	Kuria	95.8	4.2	0.0	61,272
Female	94.3	5.5	0.2	5,224,651	Migori	95.6	4.4	0.0	176,668
					Nyamira	96.5	2.0	1.4	177,868
Nairobi	96.0	4.0	0.0	566,127	Rachuonyo	96.9	3.1	0.0	147,334
					Siaya	92.4	7.6	0.0	186,062
Central	**93.4**	**6.5**	**0.1**	**1,277,551**	Suba	98.0	2.0	0.0	48,986
Kiambu	94.4	5.6	0.0	293,504	Bondo	95.5	4.5	0.0	88,649
Kirinyaga	94.7	4.5	0.8	134,417	Nyando	94.8	5.0	0.2	115,679
Murang'a	94.0	6.0	0.0	102,624					
Nyandarua	93.8	6.2	0.0	180,971	**Rift Valley**	**95.7**	**4.0**	**0.3**	**2,568,407**
Nyeri	92.8	7.2	0.0	222,555	Baringo	98.2	1.8	0.0	112,669
Thika	91.5	8.5	0.0	200,656	Bomet	96.0	4.0	0.0	169,771
Maragua	92.5	7.2	0.3	142,825	Keiyo	96.5	3.5	0.0	61,595
					Kajiado	93.8	6.2	0.0	117,283
Coast	**94.3**	**5.5**	**0.3**	**943,643**	Kericho	96.9	3.1	0.0	123,327
Kilifi	97.7	1.9	0.4	192,084	Koibatek	97.5	2.5	0.0	63,637
Kwale	95.1	4.9	0.0	224,940	Laikipia	95.5	4.2	0.3	132,085
Lamu	93.9	6.1	0.0	26,043	Marakwet	97.0	3.0	0.0	57,996
Mombasa	89.2	10.8	0.0	206,729	Nakuru	92.3	7.7	0.0	359,601
Taita Taveta	93.9	6.1	0.0	99,675	Nandi	97.5	2.5	0.0	269,466
Tana River	96.8	3.2	0.0	74,923	Narok	95.0	5.0	0.0	148,044
Malindi	95.0	3.7	1.3	119,249	Samburu	96.5	3.5	0.0	58,327
					Trans Mara	96.2	3.5	0.3	66,322
Eastern	**94.8**	**5.1**	**0.1**	**1,823,093**	Trans Nzoia	96.9	1.8	1.3	248,150
Embu	98.8	1.2	0.0	92,833	Turkana	95.3	4.4	0.3	109,443
Isiolo	89.5	10.5	0.0	33,129	Uasin Gishu	95.5	3.5	1.0	238,432
Kitui	96.5	3.5	0.0	224,775	West Pokot	94.4	5.6	0.0	99,142
Makueni	95.1	4.9	0.0	337,802	Buret	97.4	2.6	0.0	133,116
Machakos	94.7	5.3	0.0	374,397					
Marsabit	94.8	5.2	0.0	27,782	**Western**	**95.1**	**4.9**	**0.0**	**1,446,587**
Mbeere	94.4	5.6	0.0	60,392	Bungoma	97.0	3.0	0.0	414,108
Meru Central	91.0	8.6	0.5	173,358	Busia	93.8	6.2	0.0	180,228
Moyale	95.1	4.9	0.0	24,037	Mt. Elgon	97.7	2.3	0.0	73,613
Mwingi	96.8	3.2	0.0	134,475	Kakamega	95.6	4.4	0.0	202,666
Meru North	93.0	7.0	0.0	231,628	Lugari	92.0	8.0	0.0	93,624
Tharaka	95.7	3.0	1.3	35,197	Teso	97.9	2.1	0.0	80,663
Meru South	96.7	3.3	0.0	73,287	Vihiga	91.5	8.5	0.0	196,039
					Butere/Mumias	94.7	5.3	0.0	205,647
North Eastern	**95.4**	**4.6**	**0.0**	**245,425**					
Garissa	92.3	7.7	0.0	94,948					
Mandera	97.8	2.2	0.0	55,715					
Wajir	97.2	2.8	0.0	94,762					

Table 4.13: **Percentage distribution of Children (6 - 17 years) who ever attended school and not currently in school by Reason and Region**

Region	Too Young to Attend	No Money for School costs	Poor quality of Schools	Own Illness/ Disability	Family Illness/ Disability	Not interested, Lazy	Parents did not let me	Had to work or Help at home	School too Far	School Conflict with Beliefs	Other Reasons	Not Stated	Total Count
Kenya	**1.5**	**45.5**	**0.4**	**4.2**	**1.5**	**22.4**	**4.2**	**3.7**	**0.7**	**0.7**	**9.3**	**15.5**	**503,956**
Rural	1.4	40.6	0.4	4.4	1.2	24.8	4.1	2.7	0.8	0.6	9.5	17.4	386,403
Urban	2.0	61.7	0.3	3.5	2.4	14.4	4.6	7.1	0.6	1.1	8.6	9.2	117,553
Male	1.4	46.3	0.2	3.9	1.2	28.7	5.6	2.5	0.9	1.4	8.3	9.7	218,270
Female	1.6	44.9	0.5	4.4	1.6	17.6	3.2	4.7	0.6	0.2	10.1	20.0	285,686
Nairobi	**0.0**	**71.8**	**0.0**	**7.5**	**0.0**	**15.7**	**0.0**	**11.9**	**0.0**	**5.0**	**15.7**	**0.4**	**22,705**
Central	**0.0**	**45.0**	**0.0**	**0.8**	**0.4**	**21.6**	**2.0**	**0.0**	**0.0**	**0.0**	**15.6**	**15.8**	**82,959**
Kiambu	0.0	64.0	0.0	0.0	0.0	16.1	0.7	0.0	0.0	0.0	2.1	17.1	16,344
Kirinyaga	0.0	38.2	0.0	0.0	4.9	24.0	0.0	0.0	0.0	0.0	18.0	17.3	6,105
Murang'a	0.0	35.3	0.0	0.0	0.0	45.8	8.3	0.0	0.0	0.0	0.0	18.9	6,162
Nyandarua	0.0	42.3	0.0	0.0	0.0	27.9	0.0	0.0	0.0	0.0	22.3	4.3	11,168
Nyeri	0.0	46.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.4	30.9	15,948
Thika	0.0	31.2	0.0	0.0	0.0	29.6	6.0	0.0	0.0	0.0	24.0	9.1	16,998
Maragua	0.0	47.7	0.0	6.8	0.0	27.8	0.0	0.0	0.0	0.0	13.5	11.0	10,234
Coast	**3.3**	**50.0**	**0.0**	**7.4**	**3.6**	**20.3**	**7.1**	**9.7**	**0.0**	**0.5**	**1.2**	**17.0**	**51,526**
Kilifi	0.0	36.2	0.0	30.1	0.0	19.8	0.0	0.0	0.0	0.0	0.0	13.9	3,586
Kwale	0.0	45.4	0.0	12.6	0.0	24.4	0.0	0.0	0.0	0.0	0.0	17.5	11,097
Lamu	0.0	29.6	0.0	15.9	5.5	23.8	5.5	0.0	0.0	0.0	0.0	19.6	1,584
Mombasa	7.5	63.0	0.0	4.1	8.0	19.2	0.0	16.0	0.0	0.0	0.0	12.5	22,279
Taita Taveta	0.0	35.1	0.0	0.0	0.0	3.0	45.7	1.9	0.0	0.0	0.0	28.4	6,123
Tana River	0.0	57.3	0.0	6.7	0.0	11.2	33.2	32.0	0.0	11.8	0.0	22.5	2,404
Malindi	0.0	31.6	0.0	0.0	0.0	43.5	0.0	12.7	0.0	0.0	13.4	20.7	4,454
Eastern	**0.3**	**32.9**	**0.8**	**1.7**	**0.9**	**27.3**	**2.2**	**1.6**	**2.0**	**1.0**	**10.7**	**22.3**	**93,742**
Embu	0.0	39.1	0.0	60.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,141
Isiolo	0.0	35.6	0.0	5.6	0.0	37.3	18.5	21.4	29.6	0.0	0.0	0.0	3,473
Kitui	0.0	47.2	0.0	0.0	0.0	44.1	0.0	0.0	0.0	0.0	8.8	0.0	7,940
Makueni	0.0	33.3	4.4	3.5	0.0	28.6	0.0	1.1	0.0	0.0	19.4	10.7	16,459
Machakos	0.0	45.9	0.0	0.0	0.5	15.0	0.0	0.0	0.0	0.0	10.8	27.3	19,765
Marsabit	0.0	23.5	0.0	0.0	0.0	5.4	0.0	21.0	47.4	0.0	2.7	0.0	1,442
Mbeere	8.3	39.5	0.0	0.0	0.0	48.5	0.0	0.0	0.0	0.0	12.0	0.0	3,356
Meru Central	0.0	30.7	0.0	0.0	0.0	30.3	1.8	0.0	0.0	0.0	11.0	44.0	14,886
Moyale	3.1	34.6	0.0	7.4	0.0	31.5	14.4	19.5	13.2	0.0	12.8	7.8	1,182

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Table 4.13: **Contd...**

Region	Too Young to Attend	No Money for School costs	Poor quality of Schools	Own Illness/ Disability	Family Illness/ Disability	Not interested, Lazy	Parents did not let me	Had to work or Help at home	School too Far	School Conflict with Beliefs	Other Reasons	Not Stated	Total Count
Mwingi	0.0	27.3	0.0	0.0	0.0	23.9	0.0	0.0	0.0	0.0	33.2	7.7	4,357
Meru North	0.0	9.9	0.0	0.0	4.7	23.3	5.9	0.0	0.0	5.8	0.0	41.1	16,260
Tharaka	0.0	70.5	0.0	0.0	0.0	24.7	0.0	7.0	0.0	0.0	0.0	13.0	1,072
Meru South	0.0	26.5	0.0	0.0	0.0	57.9	0.0	0.0	0.0	0.0	15.5	0.0	2,411
North Eastern	**9.7**	**36.5**	**0.0**	**1.9**	**0.0**	**0.4**	**5.0**	**17.3**	**14.1**	**0.4**	**11.8**	**7.5**	**11,183**
Garissa	14.9	16.7	0.0	2.9	0.0	0.0	7.7	23.7	12.5	0.0	14.6	9.4	7,319
Mandera	0.0	23.8	0.0	0.0	0.0	3.8	0.0	16.2	0.0	3.8	15.8	11.5	1,244
Wajir	0.0	97.8	0.0	0.0	0.0	0.0	0.0	0.0	25.4	0.0	2.2	0.0	2,620
Nyanza	**0.6**	**42.4**	**0.2**	**8.0**	**0.5**	**26.0**	**3.1**	**1.8**	**0.0**	**0.0**	**9.6**	**17.0**	**67,098**
Gucha	0.0	53.0	0.0	0.0	0.0	65.7	28.4	0.0	0.0	0.0	0.0	0.0	3,135
Homa Bay	3.4	41.4	0.0	11.5	0.0	17.3	0.0	0.0	0.0	0.0	0.0	29.8	5,910
Kisii	0.0	14.7	5.4	0.0	0.0	37.7	0.0	0.0	0.0	0.0	0.0	50.6	2,764
Kisumu	0.0	54.2	0.0	0.0	0.0	6.3	0.0	0.0	0.0	0.0	17.9	21.6	11,649
Kuria	4.6	41.3	0.0	0.0	0.0	69.5	0.0	31.6	0.0	0.0	0.0	0.0	2,576
Migori	0.0	31.8	0.0	3.4	3.4	42.1	0.0	0.0	0.0	0.0	0.0	22.7	7,855
Nyamira	0.0	60.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	15.8	3,601
Rachuonyo	0.0	48.3	0.0	0.9	0.0	28.5	0.0	1.3	0.0	0.0	1.3	24.8	4,629
Siaya	0.4	40.6	0.0	5.8	0.4	28.4	8.3	0.4	0.0	0.0	25.3	8.3	14,210
Suba	0.0	82.1	0.0	0.0	0.0	0.0	0.0	19.8	0.0	0.0	0.0	17.9	976
Bondo	0.0	57.2	0.0	2.3	0.0	27.2	0.0	1.6	0.0	0.0	0.0	10.0	3,970
Nyando	0.0	13.9	0.0	59.5	0.0	18.2	0.0	0.0	0.0	0.0	0.0	8.5	5,824
Rift Valley	**2.1**	**47.2**	**0.9**	**2.9**	**1.9**	**24.0**	**7.7**	**4.9**	**0.0**	**0.9**	**10.8**	**11.2**	**103,747**
Baringo	3.5	47.2	0.0	8.6	0.0	0.0	15.9	24.9	0.0	0.0	0.0	0.0	2,016
Bomet	0.0	41.9	0.0	11.3	0.0	40.8	0.0	0.0	0.0	0.0	0.0	19.6	6,717
Keiyo	0.0	45.3	8.9	17.4	0.0	35.6	0.0	0.0	0.0	0.0	1.7	0.0	2,140
Kajiado	0.0	76.7	0.0	0.0	0.0	8.5	8.5	8.5	0.0	8.5	14.6	0.0	7,265
Kericho	10.9	45.2	0.0	0.0	0.0	27.8	10.9	0.0	0.0	0.0	8.7	7.4	3,876
Koibatek	9.2	24.2	11.4	0.0	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	1,578
Laikipia	9.3	24.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.1	16.7	5,519
Marakwet	0.0	33.0	0.0	15.2	0.0	38.3	0.0	1.4	0.0	0.0	13.6	0.0	1,756
Nakuru	2.6	73.0	0.0	0.0	0.0	10.7	8.7	0.0	0.0	0.0	7.6	0.0	27,681
Nandi	0.0	39.2	0.0	0.0	8.1	57.4	15.7	0.0	0.0	0.0	0.0	20.3	6,679
Narok	0.0	21.1	0.0	0.0	0.0	53.9	0.0	19.5	0.0	0.0	0.0	10.9	7,412
Samburu	11.1	19.9	0.0	0.0	0.0	65.1	27.6	45.6	0.0	0.0	0.0	0.0	2,054

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Table 4.13: **Contd...**

Region	Too Young to Attend	No Money for School costs	Poor quality of Schools	Own Illness/ Disability	Family Illness/ Disability	Not interested, Lazy	Parents did not let me	Had to work or Help at home	School too Far	School Conflict with Beliefs	Other Reasons	Not Stated	Total Count
Trans Mara	0.0	40.4	0.0	1.9	0.0	58.9	0.0	0.0	0.0	0.0	0.0	8.6	2,290
Trans zoia	0.0	40.5	0.0	0.0	17.0	18.2	0.0	0.0	0.0	0.0	0.0	24.4	4,527
Turkana	0.0	54.7	0.0	5.7	12.6	0.0	15.1	31.1	0.0	0.0	15.4	26.2	4,839
Uasin Gishu	1.3	19.5	0.0	12.9	0.0	14.7	14.7	0.0	0.0	0.0	17.5	25.8	8,385
West Pokot	0.0	27.4	11.0	0.0	0.0	22.3	12.0	0.0	0.0	5.8	15.6	39.5	5,593
Buret	0.0	35.0	0.0	0.0	0.0	34.1	0.0	0.0	0.0	0.0	30.9	0.0	3,421
Western	**2.8**	**53.3**	**0.0**	**6.7**	**2.9**	**18.4**	**4.7**	**2.0**	**0.3**	**0.4**	**1.0**	**16.2**	**70,996**
Bungoma	0.0	37.6	0.0	8.3	0.0	19.2	0.0	0.0	0.0	0.0	0.0	41.4	12,577
Busia	0.0	45.7	0.0	0.0	0.0	30.0	10.1	0.0	0.0	0.0	0.0	14.2	11,176
Mt. Elgon	17.9	53.3	0.0	15.0	0.0	16.7	0.0	0.0	0.0	0.0	15.0	2.8	1,700
Kakamega	8.0	19.7	0.0	18.0	14.4	36.4	10.7	12.7	2.0	0.0	0.0	8.4	8,988
Lugari	0.0	61.0	0.0	0.0	0.0	21.9	0.0	0.5	0.0	0.0	6.4	11.3	7,460
Teso	0.0	75.4	0.0	0.0	0.0	14.2	0.0	15.4	0.0	18.0	0.0	0.0	1,663
Vihiga	5.6	61.6	0.0	10.2	0.0	5.7	5.6	0.0	0.0	0.0	0.0	17.5	16,611
Butere/Mumias	0.0	85.7	0.0	1.5	6.7	8.5	2.9	0.0	0.0	0.0	0.0	1.4	10,820

Table 4.14: **Percentage distribution of Population (6 + years) by School attendance and Region**

Region	Ever Attended	Never Attended	Not Stated	Total Count	Region	Ever Attended	Never Attended	Not Stated	Total Count
Kenya	**86.1**	**13.2**	**0.7**	**28,638,352**	**Nyanza**	**91.0**	**8.4**	**0.5**	**4,044,940**
					Gucha	88.8	10.3	0.9	426,511
Rural	84.3	15.0	0.7	22,865,859	Homa Bay	89.3	9.5	1.2	239,796
Urban	93.4	5.8	0.8	5,772,493	Kisii	93.1	6.9	0.0	409,617
					Kisumu	95.2	3.6	1.2	542,125
Nairobi	**97.0**	**2.2**	**0.8**	**2,265,497**	Kuria	83.4	16.6	0.0	149,555
					Migori	93.6	6.4	0.0	432,124
Central	**93.0**	**6.7**	**0.3**	**3,703,657**	Nyamira	91.6	8.0	0.3	453,581
Kiambu	95.1	4.3	0.6	814,056	Rachuonyo	92.1	7.9	0.0	325,088
Kirinyaga	92.7	7.3	0.0	461,521	Siaya	86.4	12.2	1.3	456,810
Murang'a	87.6	12.4	0.0	322,969	Suba	88.7	11.3	0.0	126,683
Nyandarua	91.8	8.0	0.2	460,259	Bondo	91.1	8.9	0.0	206,617
Nyeri	94.4	5.6	0.0	652,682	Nyando	91.2	8.6	0.2	276,434
Thika	92.3	7.1	0.6	596,409					
Maragua	93.2	6.3	0.5	395,762	**Rift Valley**	**82.9**	**16.0**	**1.1**	**6,929,171**
					Baringo	80.3	18.9	0.8	301,345
Coast	**77.5**	**22.1**	**0.5**	**2,621,956**	Bomet	92.1	6.4	1.5	373,866
Kilifi	73.4	26.0	0.6	489,179	Keiyo	91.5	7.9	0.6	159,877
Kwale	74.8	24.8	0.4	570,766	Kajiado	75.3	24.7	0.0	377,950
Lamu	79.0	21.0	0.0	64,547	Kericho	93.7	6.3	0.0	362,089
Mombasa	88.6	11.2	0.2	714,260	Koibatek	88.3	11.5	0.2	158,028
Taita Taveta	86.1	13.2	0.7	260,285	Laikipia	83.6	15.5	0.9	360,300
Tana River	54.6	45.4	0.0	218,101	Marakwet	87.7	11.8	0.5	136,958
Malindi	71.7	27.0	1.3	304,819	Nakuru	92.0	7.1	0.9	1,026,795
					Nandi	91.1	8.7	0.2	636,837
Eastern	**87.0**	**12.4**	**0.6**	**4,782,597**	Narok	72.1	27.9	0.0	361,889
Embu	91.8	8.2	0.0	324,069	Samburu	53.5	46.4	0.1	151,948
Isiolo	67.8	31.5	0.8	90,201	Trans Mara	83.8	15.8	0.4	147,278
Kitui	88.0	12.0	0.0	515,804	Trans Nzoia	84.8	8.6	6.6	688,274
Makueni	90.3	8.8	0.9	825,312	Turkana	38.9	60.5	0.5	425,091
Machakos	91.3	8.7	0.0	982,476	Uasin Gishu	93.9	6.1	0.0	630,940
Marsabit	35.3	64.6	0.1	112,840	West Pokot	61.1	38.7	0.2	297,517
Mbeere	90.1	8.8	1.1	167,133	Buret	94.2	4.7	1.1	332,192
Meru Central	91.2	8.4	0.3	493,979					
Moyale	56.7	43.0	0.3	61,777	**Western**	**90.2**	**9.1**	**0.7**	**3,426,161**
Mwingi	85.5	13.6	0.9	314,814	Bungoma	92.3	5.8	1.9	950,460
Meru North	82.4	15.5	2.1	583,913	Busia	89.7	10.3	0.0	407,337
Tharaka	83.0	16.1	0.9	91,983	Mt. Elgon	92.2	7.7	0.0	166,701
Meru South	92.8	6.7	0.5	218,296	Kakamega	87.2	12.8	0.0	526,323
					Lugari	94.4	5.4	0.1	217,681
North Eastern	**36.8**	**62.2**	**1.1**	**864,372**	Teso	87.9	11.1	1.0	194,621
Garissa	40.4	59.6	0.0	318,999	Vihiga	90.2	9.2	0.5	500,109
Mandera	30.4	65.9	3.7	237,674	Butere/Mumias	88.3	11.7	0.0	462,929
Wajir	38.0	61.9	0.2	307,700					

Table 4.15: **Percentage distribution of Population (6+ years) by School Attendance and Age group**

	Ever Attended	Never Attended	Not Stated	Total Count
Kenya	**86.1**	**13.2**	**0.7**	**28,638,352**
Rural	84.3	15.0	0.7	22,865,859
Urban	93.4	5.8	0.8	5,772,493
Age group (yrs)				
6 - 9	91.2	8.4	0.4	3,980,025
10 - 14	95.0	4.6	0.4	4,501,363
15 - 19	93.4	5.8	0.8	4,489,087
20 - 24	91.8	6.7	1.4	3,350,493
25 - 29	91.3	7.8	0.9	2,612,619
30 - 34	89.4	9.9	0.7	2,041,967
35 - 39	88.5	11.0	0.5	1,610,298
40 - 44	83.8	15.9	0.2	1,447,565
45 - 49	76.2	23.0	0.8	1,169,735
50 - 54	65.7	33.7	0.6	898,333
55 - 59	61.1	38.2	0.7	737,509
60 - 64	50.1	49.5	0.3	543,769
65 +	35.2	64.0	0.7	1,255,589

Table 4.16: **Percentage distribution of Population (6+ years) who never attended school by Reason and Age group**

Region	Too Young to Attend	No Money for School costs	Poor quality of Schools	Own Illness/ Disability	Family Illness/ Disability	Not interested, Lazy	Parents did not let me	Had to work or Help at home	School too Far	School Conflict with Beliefs	Other Reasons	Total Count
Kenya	**2.3**	**20.7**	**1.5**	**3.1**	**2.2**	**7.4**	**48.6**	**20.8**	**5.6**	**9.9**	**5.3**	**3,768,911**
Rural	2.3	19.4	1.5	3.0	2.3	7.4	49.4	21.1	5.9	10.3	5.5	3,435,236
Urban	2.4	34.0	1.7	3.8	1.2	8.1	40.5	16.8	2.9	6.3	3.9	333,675
Age group												
6 - 9	26.0	16.5	1.9	3.9	2.0	3.4	19.6	14.2	6.5	3.4	3.5	333,931
10 - 14	-	21.3	1.9	11.4	4.3	7.5	38.6	30.6	10.6	6.7	4.7	207,193
15 - 19	-	25.6	1.4	6.7	4.1	11.3	38.1	27.6	7.1	7.8	5.5	261,702
20 - 24	-	27.4	1.6	6.8	4.9	9.8	41.7	27.9	4.7	8.2	6.2	225,874
25 - 29	-	21.1	0.8	3.8	4.0	5.3	49.0	32.0	5.5	10.2	5.9	202,953
30 - 34	-	24.3	1.5	4.4	1.0	9.3	52.1	28.1	5.6	10.2	3.1	202,361
35 - 39	-	23.2	1.1	2.4	1.9	7.7	56.2	25.5	5.7	12.0	3.1	177,335
40 - 44	-	26.5	1.4	3.1	2.1	5.2	55.6	19.5	5.2	12.0	3.7	230,664
45 - 49	-	25.3	1.1	2.0	2.6	6.1	55.9	20.6	3.6	12.4	3.3	268,841
50 - 54	-	27.8	1.7	2.2	1.6	5.7	51.1	16.0	4.2	10.5	4.5	302,891
55 - 59	-	19.2	0.8	0.7	2.2	6.1	58.4	15.5	3.8	12.7	5.5	281,680
60 - 64	-	17.6	1.9	-	1.4	6.7	58.4	19.2	4.3	8.7	6.3	269,413
65+	-	12.8	1.6	0.6	0.7	9.6	53.8	15.5	6.0	11.8	7.9	804,075

Table 4.17: **Percentage distribution of Population (6+ years) who never attended school by Reason and Region**

Region	Too Young to Attend	No Money for School costs	Poor quality of Schools	Own Illness/ Disability	Family Illness/ Disability	Not interested, Lazy	Parents did not let me	Had to work or Help at home	School too Far	School Conflict with Beliefs	Not Stated	Other Reasons	Total Count
Kenya	**2.3**	**20.7**	**1.5**	**3.1**	**2.2**	**7.4**	**48.6**	**20.8**	**5.6**	**9.9**	**2.0**	**5.3**	**3,768,911**
Rural	2.3	19.4	1.5	3.0	2.3	7.4	49.4	21.1	5.9	10.3	2.1	5.5	3,435,236
Urban	2.4	34.0	1.7	3.8	1.2	8.1	40.5	16.8	2.9	6.3	1.4	3.9	333,675
Male	3.6	23.3	1.6	4.5	2.9	9.6	39.4	22.2	6.9	8.7	3.4	4.8	1,333,781
Female	1.6	19.3	1.4	2.3	1.8	6.2	53.7	19.9	4.9	10.5	1.3	5.6	2,435,131
Nairobi	**3.8**	**42.3**	**3.3**	**4.7**	**0.0**	**17.5**	**35.7**	**10.3**	**4.0**	**14.0**	**0.0**	**5.5**	**49,763**
Central	**1.0**	**19.8**	**2.0**	**4.4**	**0.0**	**2.2**	**57.2**	**9.5**	**1.5**	**3.8**	**0.9**	**3.5**	**249,831**
Kiambu	1.8	15.2	7.8	2.3	0.0	0.0	66.7	11.3	0.0	0.0	0.0	0.4	35,070
Kirinyaga	0.0	21.5	0.0	0.0	0.0	0.0	69.1	13.8	2.5	0.0	0.0	5.4	33,812
Murang'a	0.0	8.7	1.6	7.7	0.0	2.4	73.4	6.8	0.0	5.3	3.1	0.3	39,997
Nyandarua	3.3	8.9	0.0	4.3	0.0	4.1	49.4	8.2	7.6	9.0	2.5	6.6	36,912
Nyeri	0.0	28.3	0.0	0.0	0.0	0.6	48.0	10.9	0.0	8.2	0.0	3.9	36,838
Thika	0.0	38.0	1.4	7.5	0.0	3.0	35.8	9.1	0.0	2.2	0.0	5.3	42,366
Maragua	2.1	14.3	3.6	9.2	0.0	6.4	62.8	5.9	0.0	0.0	0.0	2.1	24,835
Coast	**2.5**	**31.4**	**0.3**	**1.3**	**0.1**	**4.9**	**50.7**	**12.6**	**2.7**	**15.0**	**3.1**	**1.7**	**578,202**
Kilifi	2.8	37.8	0.2	0.8	0.0	3.1	48.8	12.9	4.8	7.4	6.2	0.3	127,052
Kwale	2.0	32.7	0.0	2.0	0.0	3.6	57.7	1.7	0.0	4.0	0.6	1.5	141,818
Lamu	2.2	8.3	0.0	0.8	0.0	11.3	30.0	5.8	6.5	29.1	0.7	7.3	13,580
Mombasa	0.8	56.7	0.8	1.1	0.0	8.4	28.3	1.6	1.1	2.3	0.0	5.2	80,177
Taita Taveta	0.0	8.0	0.0	1.0	0.0	4.7	92.5	1.6	0.0	0.2	0.0	0.0	34,341
Tana River	3.4	9.1	0.6	2.4	0.1	5.2	61.5	42.3	7.6	56.5	0.8	2.1	98,997
Malindi	4.5	34.8	0.0	0.0	0.3	5.1	36.2	11.7	0.0	12.0	9.9	0.0	82,238
Eastern	**1.7**	**16.1**	**2.1**	**3.4**	**0.9**	**7.3**	**43.2**	**13.2**	**7.7**	**7.1**	**1.5**	**9.4**	**593,448**
Embu	2.5	28.9	0.0	6.6	9.3	0.5	46.7	0.0	0.0	16.6	0.0	0.0	26,563
Isiolo	0.7	20.2	0.4	1.2	0.7	2.1	58.0	36.2	42.5	6.5	0.2	2.4	28,406
Kitui	0.0	5.7	4.3	1.9	0.0	6.1	45.1	4.1	7.8	24.6	0.0	4.1	61,789
Makueni	4.1	20.6	1.2	5.9	0.0	13.2	39.8	13.2	5.3	1.2	1.8	12.4	72,288
Machakos	0.0	19.4	0.0	5.3	0.0	12.4	52.5	7.9	8.0	0.8	0.0	4.7	85,837
Marsabit	2.5	5.7	0.0	0.5	0.5	3.4	33.2	35.5	14.0	2.9	2.0	0.1	72,887
Mbeere	1.8	21.5	2.7	0.0	3.5	0.0	37.5	3.7	0.0	24.7	1.3	15.7	14,741
Meru Central	2.3	20.6	5.5	9.4	0.0	7.0	34.7	0.0	0.0	4.8	4.8	18.3	41,702
Moyale	1.7	3.5	0.0	0.2	0.2	0.7	75.9	77.7	17.1	1.4	1.3	0.5	26,570

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Table 4.17: **Contd...**

Region	Too Young to Attend	No Money for School costs	Poor quality of Schools	Own Illness/ Disability	Family Illness/ Disability	Not interested, Lazy	Parents did not let me	Had to work or Help at home	School too Far	School Conflict with Beliefs	Not Stated	Other Reasons	Total Count
Mwingi	1.9	4.3	3.6	7.5	3.7	9.4	44.9	0.0	4.5	23.7	1.0	0.7	42,856
Meru North	1.2	24.7	4.7	0.0	0.0	6.8	36.3	0.0	0.0	0.0	3.0	24.8	90,365
Tharaka	5.9	10.7	1.9	2.3	0.0	9.7	37.5	6.5	6.5	7.0	0.8	21.8	14,783
Meru South	0.0	31.1	2.0	2.0	0.0	7.9	26.3	10.1	4.1	0.0	0.0	23.2	14,663
North Eastern	**1.7**	**9.5**	**2.5**	**1.4**	**1.1**	**5.2**	**53.6**	**36.8**	**5.9**	**3.7**	**1.6**	**1.2**	**537,343**
Garissa	0.7	4.4	2.4	0.5	0.6	0.4	68.1	16.4	9.2	2.1	1.7	0.1	190,211
Mandera	2.0	8.0	4.3	0.8	2.5	3.7	34.5	32.3	3.6	10.2	2.0	2.8	156,691
Wajir	2.3	15.7	1.1	2.6	0.6	11.2	54.8	61.0	4.5	0.0	1.1	0.9	190,442
Nyanza	**4.1**	**20.7**	**2.2**	**4.8**	**2.4**	**14.2**	**46.2**	**12.5**	**3.2**	**10.3**	**2.1**	**2.1**	**341,287**
Gucha	4.7	14.2	4.0	0.0	6.0	26.1	50.8	38.4	2.5	18.8	4.0	0.0	43,866
Homa Bay	2.6	20.4	0.0	3.7	0.0	34.9	30.5	2.4	1.8	2.2	0.0	8.4	22,825
Kisii	4.4	30.0	0.0	1.4	4.3	7.4	58.3	2.6	2.6	1.0	4.4	0.0	28,275
Kisumu	1.9	1.6	1.5	18.9	0.0	2.6	65.1	3.2	2.3	0.0	0.0	5.5	19,460
Kuria	11.1	6.4	5.2	0.0	2.1	25.3	29.1	32.1	6.6	24.7	5.0	0.5	24,794
Migori	0.8	21.7	0.0	9.6	3.1	16.2	29.9	3.3	0.0	2.6	2.0	11.0	27,706
Nyamira	0.3	25.3	0.0	7.5	2.1	3.5	46.7	6.5	5.2	10.0	0.0	0.0	36,471
Rachuonyo	0.2	12.7	14.4	6.3	1.9	13.5	50.3	6.3	1.9	0.0	2.5	1.9	25,554
Siaya	10.3	32.5	0.1	1.2	2.2	3.6	47.7	14.0	4.8	22.5	0.0	0.0	55,811
Suba	0.0	31.9	0.0	3.5	2.4	15.0	62.0	5.2	5.9	0.0	0.0	0.0	14,350
Bondo	3.4	10.8	0.0	10.5	0.0	15.0	36.6	14.1	3.8	15.6	0.0	0.0	18,419
Nyando	1.5	26.3	1.6	5.4	0.9	16.6	49.0	0.0	0.0	0.0	7.7	2.5	23,757
Rift Valley	**1.9**	**14.4**	**1.2**	**4.1**	**4.3**	**8.1**	**51.3**	**30.3**	**8.8**	**14.1**	**2.4**	**7.9**	**1,107,906**
Baringo	1.9	10.8	1.9	1.2	1.2	31.0	56.4	15.5	18.0	2.0	5.3	11.8	57,087
Bomet	4.4	9.9	4.7	0.0	0.0	4.6	45.0	27.7	2.7	0.0	0.0	5.5	23,892
Keiyo	6.0	7.0	2.6	6.9	0.0	8.1	46.8	8.9	0.2	7.8	1.4	1.5	12,693
Kajiado	0.6	14.1	0.0	0.9	0.0	5.1	52.5	49.5	2.0	56.5	0.0	0.7	93,388
Kericho	0.0	7.9	0.0	4.7	0.0	3.3	51.3	31.1	0.0	0.0	4.5	3.5	22,734
Koibatek	3.1	15.0	4.1	1.0	2.2	8.1	37.9	6.8	5.3	22.8	0.9	0.0	18,154
Laikipia	1.0	9.2	0.0	0.0	0.0	13.9	58.5	10.9	4.5	0.0	3.0	2.1	55,784
Marakwet	4.6	8.7	0.0	0.0	6.6	9.1	45.7	29.1	12.4	1.7	4.4	0.0	16,122
Nakuru	0.6	40.4	2.6	9.1	0.5	0.0	24.0	23.0	0.0	3.9	1.6	2.6	72,580
Nandi	1.0	12.7	2.5	2.5	6.2	21.9	43.5	7.9	9.3	1.9	4.1	8.1	55,373
Narok	3.6	2.1	3.0	1.3	0.5	3.0	75.4	8.2	1.7	5.0	1.3	2.1	100,977
Samburu	0.9	3.2	0.4	0.8	0.9	7.2	83.9	86.0	0.6	4.5	2.0	0.8	70,482
Trans Mara	4.3	5.2	1.8	0.9	0.0	4.0	70.7	9.5	1.9	5.7	2.6	1.9	23,207

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Table 4.17: **Contd...**

Region	Too Young to Attend	No Money for School costs	Poor quality of Schools	Own Illness/ Disability	Family Illness/ Disability	Not interested, Lazy	Parents did not let me	Had to work or Help at home	School too Far	School Conflict with Beliefs	Not Stated	Other Reasons	Total Count
Trans Nzoia	6.1	20.6	1.6	2.9	0.8	10.0	42.3	2.3	3.5	0.0	7.3	4.4	59,084
Turkana	0.3	18.9	0.1	10.9	14.9	4.0	31.0	54.9	23.5	9.0	1.9	21.1	257,291
Uasin Gishu	7.7	12.6	0.0	2.7	2.4	25.6	31.4	24.6	3.2	4.1	3.2	0.4	38,249
West Pokot	1.1	13.6	1.1	0.0	0.0	1.5	79.2	7.4	6.5	51.1	2.1	9.3	115,225
Buret	3.7	17.6	4.2	4.2	3.6	29.1	66.5	5.2	2.9	3.0	0.0	0.0	15,585
Western	**4.5**	**48.4**	**0.3**	**1.9**	**5.0**	**9.3**	**34.8**	**8.3**	**1.1**	**5.2**	**1.8**	**7.2**	**311,131**
Bungoma	2.6	43.9	0.0	6.3	6.9	13.6	45.4	12.5	0.0	4.2	0.0	7.3	54,951
Busia	7.5	25.2	0.0	0.0	0.0	18.2	39.8	3.8	0.0	0.0	2.7	11.2	42,151
Mt. Elgon	8.1	17.0	1.5	0.0	4.5	14.6	51.1	5.1	2.8	1.7	1.4	2.3	12,901
Kakamega	6.4	58.4	0.0	0.3	13.1	5.1	20.6	5.9	4.2	0.0	1.9	4.9	67,455
Lugari	3.4	39.6	0.0	8.7	4.7	2.8	42.3	18.8	0.0	2.4	3.8	3.8	11,816
Teso	2.7	53.2	0.0	3.8	2.7	7.9	27.3	14.1	1.2	22.4	1.5	3.2	21,608
Vihiga	2.3	56.6	1.6	0.2	2.4	6.0	40.8	4.2	0.0	5.2	2.3	12.7	46,244
Butere/Mumias	3.9	58.9	0.0	0.6	0.0	6.5	30.1	10.3	0.0	11.1	2.2	5.4	54,005

Table 4.18: **Percentage distribution of Population (6+ years) who ever attended school and not currently in school by Reason and Region**

Region	Too Young to Attend	No Money for School costs	Poor quality of Schools	Own Illness/ Disability	Family Illness/ Disability	Not interested, Lazy	Parents did not let me	Had to work or Help at home	School too Far	School Conflict with Beliefs	Completed School	Other Reasons	Total Count
Kenya	**0.02**	**53.1**	**1.1**	**2.2**	**1.3**	**11.2**	**4.5**	**4.3**	**0.4**	**0.8**	**22.8**	**7.9**	**12,984,430**
Rural	0.01	53.1	1.2	2.7	1.4	12.9	5.3	3.5	0.5	1.0	18.7	8.6	9,536,850
Urban	0.03	53.0	0.7	1.0	1.0	6.5	2.5	6.6	0.2	0.2	34.0	5.8	3,447,581
Male	0.02	54.3	1.1	1.8	1.2	11.7	3.3	4.7	0.6	0.5	25.2	5.2	6,597,126
Female	0.01	51.8	1.0	2.7	1.4	10.7	5.9	3.9	0.3	1.1	20.3	10.7	6,387,305
Nairobi	**0.00**	**52.0**	**0.3**	**1.0**	**0.9**	**4.9**	**2.5**	**11.9**	**0.2**	**0.1**	**38.7**	**4.7**	**1,490,342**
Central	**0.00**	**45.3**	**1.5**	**1.4**	**0.8**	**12.3**	**2.8**	**2.0**	**0.3**	**0.4**	**28.5**	**7.2**	**2,080,961**
Kiambu	0.00	39.4	2.0	1.2	1.0	9.4	2.6	3.4	0.0	0.5	40.8	1.9	466,682
Kirinyaga	0.00	52.7	0.4	1.7	1.4	7.0	4.8	2.7	0.3	0.0	22.7	12.2	278,345
Murang'a	0.00	39.0	1.7	1.8	0.5	19.5	4.1	1.3	0.0	0.3	24.7	11.0	166,587
Nyandarua	0.00	51.3	0.4	0.6	0.7	15.1	1.3	1.3	1.3	1.0	22.5	6.4	235,843
Nyeri	0.00	44.9	2.3	0.7	0.9	8.5	1.5	1.4	0.4	0.4	33.4	7.7	373,721
Thika	0.00	50.6	2.1	2.9	0.3	12.0	4.2	1.4	0.0	0.1	24.2	5.1	342,161
Maragua	0.00	39.4	0.5	1.2	0.9	23.9	1.7	1.5	0.6	0.0	17.4	13.1	217,622
Coast	**0.08**	**62.5**	**0.4**	**2.0**	**0.9**	**9.6**	**6.3**	**3.7**	**0.5**	**1.1**	**18.4**	**7.1**	**1,022,606**
Kilifi	0.00	53.2	1.7	2.4	0.0	4.4	1.1	2.0	0.8	0.0	39.5	1.4	143,714
Kwale	0.00	70.1	0.0	3.0	0.3	12.2	2.4	0.0	0.0	1.8	7.9	7.5	185,931
Lamu	0.00	36.5	0.3	5.4	1.5	23.0	2.4	3.0	0.5	1.9	16.2	10.0	23,649
Mombasa	0.18	65.4	0.1	0.8	0.9	9.0	2.4	2.2	0.2	0.0	18.4	8.7	417,385
Taita Taveta	0.00	67.0	0.0	4.2	2.0	9.9	29.6	4.2	0.1	0.1	6.3	8.4	121,063
Tana River	0.00	43.9	2.0	2.2	3.0	11.3	24.2	47.1	3.2	14.6	15.4	11.8	41,417
Malindi	0.00	57.6	0.7	1.1	0.5	11.4	2.7	0.6	1.5	1.6	25.2	3.4	89,448
Eastern	**0.00**	**52.8**	**1.4**	**2.2**	**1.4**	**14.8**	**3.8**	**2.4**	**0.5**	**0.3**	**17.4**	**8.8**	**2,158,287**
Embu	0.00	45.2	0.1	4.5	2.1	20.9	3.5	1.0	0.0	0.7	26.0	1.1	184,374
Isiolo	0.00	58.2	1.1	2.2	0.9	14.5	9.1	18.2	10.3	0.0	17.2	4.1	27,441
Kitui	0.00	48.1	2.8	3.8	1.2	16.4	4.7	4.4	0.5	0.0	17.5	3.7	210,876
Makueni	0.00	65.7	1.3	3.5	1.2	14.6	2.1	1.9	0.2	0.2	13.1	3.2	368,826
Machakos	0.00	55.7	0.4	0.6	1.8	12.8	3.0	3.1	0.0	0.0	18.7	12.2	486,750
Marsabit	0.00	34.5	3.7	6.1	0.4	6.0	4.8	10.9	6.7	0.0	28.9	2.5	11,945
Mbeere	0.00	54.9	0.0	0.7	2.3	14.0	6.0	1.0	0.0	0.8	21.1	2.7	80,745
Meru Central	0.00	47.2	3.2	1.4	0.9	12.7	3.4	0.6	0.0	0.0	17.6	17.1	268,656
Moyale	0.00	29.6	0.0	5.4	2.5	19.5	12.1	32.1	3.0	0.4	26.3	6.4	9,498

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Table 4.18: **Contd...**

Region	Too Young to Attend	No Money for School costs	Poor quality of Schools	Own Illness/ Disability	Family Illness/ Disability	Not interested, Lazy	Parents did not let me	Had to work or Help at home	School too Far	School Conflict with Beliefs	Completed School	Other Reasons	Total Count
Mwingi	0.00	51.4	1.1	2.4	0.7	12.6	3.1	3.0	0.0	0.7	21.1	5.8	118,013
Meru North	0.00	40.3	2.7	1.6	1.3	17.8	6.7	0.8	1.5	0.5	10.1	18.3	236,404
Tharaka	0.00	57.9	1.8	0.8	2.0	13.8	11.0	4.8	1.2	0.0	9.9	9.4	36,898
Meru South	0.00	58.5	0.5	1.2	0.9	13.8	2.1	0.5	1.7	0.9	19.6	3.8	117,862
North Eastern	**1.45**	**34.0**	**4.2**	**0.6**	**0.1**	**4.7**	**2.5**	**9.7**	**5.8**	**0.5**	**44.1**	**3.2**	**63,097**
Garissa	2.77	26.1	3.8	0.6	0.0	5.2	2.9	11.0	5.0	0.0	45.3	4.3	33,095
Mandera	0.00	22.6	3.1	1.5	0.0	9.2	3.6	8.8	0.0	2.5	43.8	3.4	13,049
Wajir	0.00	58.2	5.6	0.0	0.5	0.2	0.8	7.8	11.8	0.0	41.9	0.7	16,952
Nyanza	**0.00**	**55.5**	**0.9**	**4.1**	**1.5**	**12.9**	**3.9**	**5.8**	**0.4**	**0.8**	**18.2**	**7.7**	**1,848,416**
Gucha	0.00	51.5	1.0	6.1	3.2	29.7	4.8	36.2	0.5	1.8	12.7	2.9	179,977
Homa Bay	0.00	55.8	0.0	5.9	1.5	12.2	1.0	1.0	0.7	0.2	9.1	16.6	110,593
Kisii	0.00	44.4	1.0	3.2	1.3	6.8	1.6	0.3	0.7	0.0	29.7	13.3	195,334
Kisumu	0.00	57.5	0.8	1.3	1.2	12.0	3.1	0.8	0.3	0.0	22.2	8.4	271,906
Kuria	0.00	48.3	2.6	2.3	1.3	30.4	9.2	31.9	2.1	7.7	7.4	1.5	55,938
Migori	0.00	57.5	0.4	2.2	0.5	12.8	2.6	1.3	0.0	0.0	14.8	12.1	214,376
Nyamira	0.00	40.5	0.4	3.4	1.0	4.2	4.3	1.5	0.4	1.0	40.4	4.2	205,975
Rachuonyo	0.00	55.1	1.0	5.3	1.0	17.2	2.8	1.5	0.4	0.0	12.0	9.0	129,876
Siaya	0.00	70.2	1.9	7.3	1.9	8.6	7.1	2.5	0.1	1.1	12.2	2.1	204,098
Suba	0.00	67.9	0.4	6.3	0.0	12.9	4.0	2.6	1.2	0.0	9.2	6.0	59,192
Bondo	0.00	67.1	1.7	4.4	3.4	8.4	5.9	4.2	0.0	1.7	10.2	5.5	94,712
Nyando	0.00	60.8	0.8	4.7	1.2	13.7	3.5	1.0	0.0	0.5	8.6	7.7	126,439
Rift Valley	**0.01**	**49.2**	**1.7**	**1.9**	**1.3**	**12.2**	**6.2**	**4.0**	**0.7**	**0.9**	**23.8**	**9.3**	**2,842,161**
Baringo	0.08	52.5	3.5	0.8	1.5	8.9	14.3	5.7	3.4	0.9	10.8	17.5	88,877
Bomet	0.00	37.5	0.0	0.8	2.5	15.1	2.3	4.2	1.6	1.8	20.0	16.6	159,260
Keiyo	0.00	31.6	4.8	3.5	0.9	17.5	3.3	2.5	0.0	0.0	31.5	8.6	74,027
Kajiado	0.00	53.0	1.4	2.5	0.5	9.1	4.2	12.4	0.0	3.3	28.0	7.3	166,072
Kericho	0.00	53.8	0.6	3.6	0.4	10.3	4.0	2.1	1.2	0.0	15.5	11.0	200,877
Koibatek	0.22	38.4	2.3	0.9	1.0	20.7	4.3	2.3	1.0	0.7	24.4	7.5	65,525
Laikipia	0.00	53.0	4.2	1.3	0.4	6.8	3.2	2.1	0.2	0.0	27.2	10.3	164,105
Marakwet	0.00	39.0	0.0	3.1	2.3	12.4	6.6	7.7	1.0	0.0	22.4	10.4	54,373
Nakuru	0.00	61.5	0.9	0.5	0.9	7.3	1.6	1.3	0.1	0.1	24.7	2.4	565,673
Nandi	0.00	44.1	4.2	2.1	1.4	26.0	12.3	2.5	0.9	0.0	19.6	9.9	271,257
Narok	0.00	35.2	0.3	4.7	0.8	15.2	8.9	6.3	0.0	2.5	19.6	12.8	104,710
Samburu	0.00	35.9	0.0	5.3	1.2	19.7	24.5	32.8	2.5	2.3	34.0	5.6	19,756

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Table 4.18: **Contd...**

Region	Too Young to Attend	No Money for School costs	Poor quality of Schools	Own Illness/ Disability	Family Illness/ Disability	Not interested, Lazy	Parents did not let me	Had to work or Help at home	School too Far	School Conflict with Beliefs	Completed School	Other Reasons	Total Count
Trans Mara	0.00	36.3	0.4	1.8	0.4	15.7	17.1	13.1	0.4	3.8	7.3	13.5	53,556
Trans Nzoia	0.00	48.6	1.5	2.5	2.7	5.6	5.2	0.2	0.0	0.1	29.9	8.7	269,625
Turkana	0.00	62.7	0.0	7.3	4.3	5.8	8.7	16.7	2.6	0.0	33.4	8.5	48,311
Uasin Gishu	0.03	42.8	0.6	1.5	1.2	11.1	4.9	3.7	0.7	0.2	28.1	13.1	315,277
West Pokot	0.00	42.5	1.8	1.6	3.7	11.4	31.1	8.5	0.0	14.1	19.8	20.3	66,896
Buret	0.00	55.1	2.7	1.8	0.4	22.3	7.3	4.0	1.6	0.0	24.7	5.8	153,986
Western	**0.00**	**64.2**	**0.2**	**3.1**	**2.4**	**8.1**	**6.5**	**1.8**	**0.1**	**2.3**	**12.4**	**9.0**	**1,478,560**
Bungoma	0.00	59.3	0.0	2.5	2.8	8.1	8.8	0.8	0.0	5.1	20.9	6.8	384,317
Busia	0.00	73.5	0.0	2.8	0.8	7.2	5.1	1.0	0.0	1.3	4.1	11.5	175,406
Mt. Elgon	0.00	55.9	0.7	4.1	3.8	9.9	3.5	0.7	0.2	0.0	17.9	10.0	64,662
Kakamega	0.00	62.6	0.3	5.2	3.2	10.3	4.2	2.7	0.2	0.1	9.6	10.3	237,921
Lugari	0.00	59.6	0.0	1.8	4.2	14.7	3.1	1.9	0.5	0.5	7.6	15.5	107,369
Teso	0.00	66.6	0.9	2.4	5.3	6.1	10.2	5.0	0.0	6.7	13.1	5.2	74,176
Vihiga	0.00	68.7	0.0	3.1	1.1	4.7	5.2	1.9	0.0	1.1	14.1	6.2	238,317
Butere/Mumias	0.00	66.4	0.2	3.0	1.1	6.8	8.8	2.3	0.0	1.8	4.7	10.2	196,392

* More than one response per question.

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Table 4.19: **Percentage distribution of Population (6+ years) who ever attended school and not currently in school by Reason and Age group**

Region	Too Young to Attend	No Money for School costs	Poor quality of Schools	Own Illness/ Disability	Family Illness/ Disability	Not interested, Lazy	Parents did not let me	Had to work or Help at home	School too Far	School Conflict with Beliefs	Completed School	Other Reasons	Total Count
Kenya	**0.0**	**53.1**	**1.1**	**2.2**	**1.3**	**11.2**	**4.5**	**4.3**	**0.4**	**0.8**	**22.8**	**7.9**	**12,984,430**
Rural	0.0	53.1	1.2	2.7	1.4	12.9	5.3	3.5	0.5	1.0	18.7	8.6	9,536,850
Urban	0.0	53.0	0.7	1.0	1.0	6.5	2.5	6.6	0.2	0.2	34.0	5.8	3,447,581
Age group													
6 - 9	6.7	38.5	2.0	11.0	3.3	8.6	8.7	3.4	3.8	0.0	0.0	16.6	29,974
10 - 14	-	36.2	0.0	9.9	4.1	25.7	7.6	10.3	1.4	0.4	4.3	16.0	70,423
15 - 19	-	50.1	0.4	2.9	1.1	19.2	2.9	2.7	0.4	0.7	15.1	12.4	1,162,756
20 - 24	-	54.0	1.2	2.5	1.1	14.1	1.9	3.0	0.1	0.5	21.1	8.2	2,418,032
25 - 29	-	54.6	1.2	2.2	1.1	11.3	2.2	3.3	0.1	0.4	25.5	7.6	2,275,090
30 - 34	-	54.2	1.1	2.0	1.6	10.6	3.3	4.5	0.3	0.7	25.1	7.2	1,796,593
35 - 39	-	52.2	0.7	2.4	1.2	9.8	4.5	4.1	0.1	0.6	27.1	7.2	1,401,645
40 - 44	-	53.3	1.3	1.9	1.6	7.7	5.4	5.4	0.3	1.0	25.0	7.4	1,201,217
45 - 49	-	54.5	1.0	1.5	1.1	7.7	7.5	5.8	0.6	1.3	24.1	6.0	880,322
50 - 54	-	52.6	1.7	1.8	2.1	6.7	9.9	5.8	1.1	1.0	22.3	6.5	585,625
55 - 59	-	56.7	1.2	1.7	1.7	6.7	10.0	7.0	0.6	0.8	21.6	5.0	448,973
60 - 64	-	51.5	1.4	1.2	0.9	8.4	9.9	8.2	1.4	1.0	20.5	6.9	272,579
65+	-	44.6	1.6	2.2	1.0	8.2	15.8	7.7	3.5	3.7	14.1	8.8	441,203

Table 4.20: **Percentage distribution population (15 yrs and above) by ability to Read and Region**

Region	Can Read	Can not Read	Not Stated	Total Count	Region	Can Read	Can not Read	Not Stated	Total Count
Kenya	**81.0**	**17.7**	**1.3**	**20,156,964**	**Nyanza**	**86.0**	**13.1**	**0.8**	**2,824,316**
					Gucha	83.8	15.3	0.9	315,185
Rural	77.9	20.9	1.3	15,726,951	Homa Bay	78.6	20.4	1.0	159,865
Urban	92.1	6.5	1.4	4,430,013	Kisii	88.5	11.3	0.1	284,521
					Kisumu	94.0	4.2	1.7	402,049
Nairobi	**95.9**	**2.5**	**1.6**	**1,801,271**	Kuria	73.2	26.8	0.0	98,569
					Migori	88.6	11.4	0.0	294,677
Central	**88.2**	**11.4**	**0.4**	**2,754,217**	Nyamira	87.2	11.4	1.4	321,454
Kiambu	95.6	3.8	0.7	591,398	Rachuonyo	89.1	10.9	0.0	210,759
Kirinyaga	86.2	13.2	0.6	359,032	Siaya	80.0	18.5	1.4	313,691
Murang'a	78.2	21.7	0.1	249,393	Suba	81.4	18.1	0.5	90,097
Nyandarua	86.3	13.5	0.2	320,603	Bondo	82.0	18.0	0.0	141,219
Nyeri	92.3	7.7	0.0	497,959	Nyando	87.6	11.3	1.1	192,229
Thika	84.6	14.9	0.5	442,219					
Maragua	85.1	14.1	0.8	293,612	**Rift Valley**	**76.8**	**21.0**	**2.1**	**4,779,287**
					Baringo	73.2	25.5	1.3	206,591
Coast	**71.4**	**27.7**	**0.9**	**1,820,737**	Bomet	85.9	11.8	2.3	238,081
Kilifi	65.4	33.6	1.0	317,262	Keiyo	83.8	9.2	7.0	112,760
Kwale	64.2	35.3	0.5	392,328	Kajiado	71.6	26.5	1.9	258,991
Lamu	69.9	28.2	1.9	43,766	Kericho	91.5	8.5	0.0	258,034
Mombasa	86.3	13.3	0.4	544,440	Koibatek	80.7	13.0	6.3	107,985
Taita Taveta	82.1	15.2	2.7	186,300	Laikipia	77.1	20.9	2.0	254,341
Tana River	40.4	59.5	0.1	136,827	Marakwet	80.7	18.4	0.8	88,845
Malindi	65.6	32.7	1.6	199,815	Nakuru	88.9	9.7	1.4	759,432
					Nandi	85.9	13.1	1.0	429,049
Eastern	**80.3**	**18.0**	**1.7**	**3,347,312**	Narok	58.4	41.6	0.0	221,031
Embu	88.9	11.1	0.0	250,958	Samburu	37.3	62.4	0.3	88,511
Isiolo	54.1	45.0	1.0	59,751	Trans Mara	69.5	29.6	0.9	90,331
Kitui	79.1	19.7	1.1	344,967	Trans Nzoia	76.8	14.6	8.6	498,239
Makueni	86.3	12.3	1.4	565,225	Turkana	21.9	77.9	0.2	292,714
Machakos	87.0	13.0	0.0	699,983	Uasin Gishu	92.6	7.4	0.0	457,700
Marsabit	27.7	71.5	0.8	71,164	West Pokot	56.9	39.1	3.9	193,275
Mbeere	86.0	12.6	1.5	120,403	Buret	88.2	11.1	0.7	223,378
Meru Central	83.0	14.6	2.3	367,846					
Moyale	42.0	56.6	1.4	39,053	**Western**	**82.8**	**16.2**	**1.0**	**2,316,852**
Mwingi	76.4	20.7	2.9	208,054	Bungoma	87.1	10.7	2.2	637,348
Meru North	68.6	25.8	5.6	393,768	Busia	75.9	24.1	0.0	263,638
Tharaka	72.3	26.7	1.1	61,776	Mt. Elgon	81.2	18.8	0.0	108,652
Meru South	88.4	10.1	1.5	164,364	Kakamega	79.1	20.6	0.2	360,753
					Lugari	90.4	9.4	0.2	152,024
North Eastern	**30.3**	**68.7**	**1.0**	**512,971**	Teso	77.0	19.7	3.3	128,614
Garissa	42.1	57.9	0.0	191,804	Vihiga	84.7	14.6	0.7	357,237
Mandera	22.0	74.5	3.5	141,650	Butere/Mumias	81.3	18.6	0.1	308,586
Wajir	24.4	75.6	0.0	179,518					

Table 4.21: **Percentage distribution of population (15 + years and) by Ability to Write and Region**

Region	Can Write	Can not Write	Not Stated	Total Count	Region	Can Write	Can not Write	Not Stated	Total Count
Kenya	**79.7**	**19.2**	**1.0**	**20,156,964**	**Nyanza**	**85.0**	**14.1**	**0.8**	**2,824,316**
					Gucha	85.0	14.2	0.9	315,185
Rural	76.3	22.6	1.0	15,726,951	Homa Bay	79.4	19.6	1.0	159,865
Urban	91.7	7.1	1.1	4,430,013	Kisii	87.8	12.0	0.1	284,521
					Kisumu	91.3	6.9	1.7	402,049
Nairobi	**95.6**	**3.2**	**1.1**	**1,801,271**	Kuria	74.8	25.2	0.0	98,569
					Migori	88.4	11.6	0.0	294,677
Central	**86.8**	**12.8**	**0.4**	**2,754,217**	Nyamira	86.7	11.8	1.4	321,454
Kiambu	95.2	4.2	0.6	591,398	Rachuonyo	87.2	12.8	0.0	210,759
Kirinyaga	81.3	18.1	0.6	359,032	Siaya	78.2	20.4	1.4	313,691
Murang'a	78.0	21.9	0.1	249,393	Suba	79.0	20.5	0.5	90,097
Nyandarua	85.2	14.6	0.2	320,603	Bondo	81.3	18.7	0.0	141,219
Nyeri	91.4	8.6	0.0	497,959	Nyando	84.2	14.7	1.1	192,229
Thika	83.5	16.0	0.5	442,219					
Maragua	82.7	16.4	1.0	293,612	**Rift Valley**	**73.4**	**24.8**	**1.8**	**4,779,287**
					Baringo	73.0	23.2	3.8	206,591
Coast	**72.3**	**27.0**	**0.7**	**1,820,737**	Bomet	83.2	14.5	2.3	238,081
Kilifi	65.2	33.8	1.0	317,262	Keiyo	83.2	15.3	1.5	112,760
Kwale	67.6	31.9	0.5	392,328	Kajiado	72.0	28.0	0.0	258,991
Lamu	69.8	30.2	0.0	43,766	Kericho	88.8	11.2	0.0	258,034
Mombasa	89.9	9.7	0.3	544,440	Koibatek	80.5	17.7	1.8	107,985
Taita Taveta	79.1	19.9	1.0	186,300	Laikipia	74.1	23.8	2.0	254,341
Tana River	33.7	66.1	0.1	136,827	Marakwet	79.2	20.0	0.8	88,845
Malindi	65.8	32.6	1.6	199,815	Nakuru	80.1	18.6	1.4	759,432
					Nandi	81.3	17.7	1.0	429,049
Eastern	**80.1**	**18.9**	**1.0**	**3,347,312**	Narok	54.0	46.0	0.0	221,031
Embu	88.2	11.8	0.0	250,958	Samburu	37.8	62.2	0.0	88,511
Isiolo	52.9	46.1	1.0	59,751	Trans Mara	61.9	37.2	0.9	90,331
Kitui	79.9	20.1	0.0	344,967	Trans Nzoia	73.9	17.5	8.6	498,239
Makueni	85.1	13.5	1.4	565,225	Turkana	19.6	80.1	0.2	292,714
Machakos	87.6	12.4	0.0	699,983	Uasin Gishu	91.3	8.7	0.0	457,700
Marsabit	22.9	74.6	2.5	71,164	West Pokot	53.1	46.5	0.4	193,275
Mbeere	85.2	13.3	1.5	120,403	Buret	87.1	12.2	0.7	223,378
Meru Central	83.3	16.0	0.7	367,846					
Moyale	41.4	58.0	0.6	39,053	**Western**	**81.9**	**17.2**	**0.9**	**2,316,852**
Mwingi	77.4	21.3	1.3	208,054	Bungoma	86.1	11.7	2.1	637,348
Meru North	67.4	29.6	3.0	393,768	Busia	75.0	24.9	0.1	263,638
Tharaka	72.4	26.6	1.1	61,776	Mt. Elgon	75.6	24.4	0.0	108,652
Meru South	88.6	9.9	1.5	164,364	Kakamega	79.2	20.7	0.1	360,753
					Lugari	90.4	9.4	0.2	152,024
North Eastern	**29.2**	**69.8**	**1.0**	**512,971**	Teso	76.0	20.7	3.3	128,614
Garissa	39.7	60.3	0.0	191,804	Vihiga	84.2	15.1	0.7	357,237
Mandera	21.4	75.1	3.6	141,650	Butere/Mumias	80.2	19.7	0.1	308,586
Wajir	24.1	75.9	0.0	179,518					

Table 4.22: **Percentage distribution of Population (6-17 years) by type of school attending and Region**

Region	Government	Private	Community	Other	Not stated	Total Count
Kenya	**87.1**	**11.8**	**0.8**	**0.0**	**0.2**	**9,952,313**
Rural	90.7	8.2	0.8	0.0	0.2	8,391,007
Urban	67.9	31.1	0.7		0.3	1,561,307
Nairobi	**54.8**	**44.5**	**0.7**			**543,422**
Central	**87.0**	**11.7**	**1.0**		**0.3**	**1,193,162**
Kiambu	83.5	15.8			0.7	277,160
Kirinyaga	90.9	9.1				127,295
Murang'a	92.6	6.8	0.5			96,462
Nyandarua	91.4	6.7	1.9			169,802
Nyeri	85.7	12.8	1.6			206,606
Thika	79.4	17.2	2.8		0.6	183,658
Maragua	93.6	6.4				132,178
Coast	**86.1**	**11.5**	**1.9**		**0.5**	**889,717**
Kilifi	91.4	7.7			0.9	187,645
Kwale	92.6	4.9	2.4			213,843
Lamu	86.8	4.5	8.7			24,459
Mombasa	63.8	33.6	1.4		1.2	184,450
Taita Taveta	91.4	3.6	5.0			93,552
Tana River	89.6	7.1	2.9		0.3	72,520
Malindi	94.5	5.3			0.2	113,249
Eastern	**93.2**	**6.0**	**0.7**	**0.0**	**0.1**	**1,728,099**
Embu	83.0	17.0				91,693
Isiolo	84.9	14.7	0.4			29,657
Kitui	98.7	0.4	0.9			216,835
Makueni	98.3	0.8	0.9			321,343
Machakos	91.7	7.6	0.7			354,632
Marsabit	82.5	16.6	1.0			26,340
Mbeere	89.4	9.8	0.4	0.3		57,036
Meru Central	84.1	14.7	0.7		0.6	157,674
Moyale	90.1	9.6	0.2			22,856
Mwingi	96.7	3.3				130,119
Meru North	93.9	4.6	1.5			215,369
Tharaka	99.1	0.9				33,671
Meru South	94.5	5.5				70,875
North Eastern	**94.9**	**4.3**	**0.8**			**234,242**
Garissa	91.1	7.2	1.7			87,628
Mandera	98.3	0.9	0.9			54,471
Wajir	96.5	3.5				92,142
Nyanza	**87.1**	**12.4**	**0.4**		**0.1**	**1,529,981**
Gucha	79.0	21.0				145,582
Homa Bay	94.4	5.0			0.6	89,216
Kisii	76.6	23.4	0.1			159,735
Kisumu	90.0	9.4	0.6			179,357
Kuria	92.9	6.9	0.2			58,696
Migori	86.3	12.3	1.4			168,813
Nyamira	74.9	25.1				171,693
Rachuonyo	90.5	9.2			0.3	142,705
Siaya	97.6	2.4				171,852
Suba	85.6	14.4				48,011
Bondo	93.8	3.5	2.7			84,679
Nyando	94.8	5.0			0.2	109,642

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Table 4.22: **Contd...**

Region	Government	Private	Community	Other	Not stated	Total Count
Rift Valley	**87.5**	**11.2**	**1.1**		**0.2**	**2,458,098**
Baringo	94.3	2.4	3.3			110,653
Bomet	93.4	6.6				163,054
Keiyo	92.3	5.0	2.7			59,455
Kajiado	71.6	19.9	8.3		0.3	110,018
Kericho	82.3	15.4			2.3	119,451
Koibatek	92.8	5.5	1.6		0.2	62,059
Laikipia	80.7	17.2	1.8		0.3	126,146
Marakwet	93.4	6.6				56,240
Nakuru	84.7	14.2	0.7		0.4	331,920
Nandi	93.5	6.2	0.3			262,788
Narok	90.2	9.2	0.6			140,632
Samburu	93.1	5.1	1.8			56,273
Trans Mara	92.9	6.8	0.3			63,808
Trans Nzoia	84.3	15.7				240,403
Turkana	81.3	17.3	1.4			104,291
Uasin Gishu	86.2	13.3	0.5			227,663
West Pokot	92.5	6.6	0.9			93,550
Buret	89.0	11.0				129,695
Western	**91.1**	**8.2**	**0.2**		**0.5**	**1,375,592**
Bungoma	87.5	11.1	0.4		1.0	401,531
Busia	93.5	6.5				169,051
Mt. Elgon	91.9	7.1	0.9			71,913
Kakamega	92.6	6.5			1.0	193,678
Lugari	92.4	7.2			0.5	86,164
Teso	92.7	7.1			0.2	79,000
Vihiga	91.9	7.6			0.4	179,429
Butere/Mumias	92.6	7.4				194,827

Table 4.23: **Percentage distribution of Population (6+ years) by type of school attending and Region**

Region	Government	Private	Community	Other	Not stated	Total Count
Kenya	**85.9**	**13.0**	**0.9**	**0.0**	**0.3**	**11,652,502**
Rural	90.0	8.9	0.9	0.0	0.3	9,716,570
Urban	65.2	33.6	0.8		0.3	1,935,932
		0.0				
Nairobi	**49.7**	**48.9**	**1.2**		**0.2**	**705,748**
Central	**86.0**	**12.7**	**1.1**		**0.2**	**1,359,869**
Kiambu	81.8	17.1	0.4		0.7	307,596
Kirinyaga	88.3	11.7				148,348
Murang'a	89.4	10.1	0.5			116,066
Nyandarua	90.1	8.2	1.7			186,775
Nyeri	86.1	12.2	1.8			242,123
Thika	79.2	17.8	2.5		0.5	208,175
Maragua	94.1	5.9				150,788
Coast	**85.8**	**12.0**	**1.7**		**0.5**	**1,003,666**
Kilifi	91.8	7.2			1.0	214,723
Kwale	93.1	4.7	2.2			240,886
Lamu	86.6	5.7	7.8			27,319
Mombasa	63.5	34.2	1.2		1.1	213,039
Taita Taveta	90.6	4.8	4.5			102,975
Tana River	89.1	7.8	2.8		0.4	77,510
Malindi	93.3	6.4			0.3	127,215
Eastern	**91.5**	**7.5**	**0.9**	**0.0**	**0.1**	**1,998,708**
Embu	84.3	15.7				113,132
Isiolo	82.6	17.0	0.4			33,677
Kitui	97.2	2.1	0.8			243,139
Makueni	96.6	2.6	0.8			376,463
Machakos	89.3	9.7	1.0			409,564
Marsabit	81.5	17.0	0.9		0.6	28,101
Mbeere	86.5	12.3	0.9	0.3		69,882
Meru Central	81.8	16.1	1.6		0.5	181,192
Moyale	90.5	9.3	0.2			25,524
Mwingi	95.9	4.1				150,824
Meru North	92.7	5.6	1.7			244,908
Tharaka	98.4	1.6				38,948
Meru South	91.4	8.6				83,356
North Eastern	**94.7**	**4.5**	**0.8**			**254,771**
Garissa	91.3	7.2	1.6			95,693
Mandera	97.6	1.6	0.8			59,252
Wajir	96.4	3.6				99,826
Nyanza	**86.8**	**12.5**	**0.5**		**0.2**	**1,827,472**
Gucha	82.9	17.1				198,760
Homa Bay	93.1	5.6			1.2	103,452
Kisii	76.7	23.2	0.0			185,959
Kisumu	87.2	12.4	0.4			242,756
Kuria	92.5	7.3	0.2			68,822
Migori	86.4	12.0	1.6			190,042
Nyamira	75.9	22.9	0.6		0.7	205,286
Rachuonyo	90.6	9.1			0.3	169,659
Siaya	96.6	3.4			0.0	190,701
Suba	84.7	15.3				53,142
Bondo	93.1	3.7	3.3			93,486
Nyando	93.7	5.7	0.4		0.2	125,407

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Table 4.23: **Contd...**

Region	Government	Private	Community	Other	Not stated	Total Count
Rift Valley	**86.8**	**11.9**	**1.0**		**0.3**	**2,890,200**
Baringo	93.6	3.9	2.4			152,996
Bómet	93.0	6.5			0.5	185,234
Keiyo	91.2	5.8	3.0		0.0	72,275
Kajiado	72.0	20.1	7.7		0.3	118,490
Kericho	83.1	14.2			2.7	138,477
Koibatek	91.0	7.4	1.5		0.2	73,438
Laikipia	81.1	17.0	1.7		0.3	136,848
Marakwet	91.4	8.6				65,298
Nakuru	83.9	14.9	0.9		0.3	377,243
Nandi	92.0	7.7	0.3			307,111
Narok	89.1	10.0	0.9			156,091
Samburu	93.4	5.0	1.6			61,528
Trans Mara	91.4	8.3	0.3			69,425
Trans Nzoia	82.7	17.3				309,293
Turkana	83.0	15.8	1.3			116,576
Uasin Gishu	83.4	15.6	0.6		0.4	276,174
West Pokot	92.8	6.4	0.7			114,864
Buret	89.4	10.6				158,842
Western	**90.4**	**8.8**	**0.2**		**0.6**	**1,612,069**
Bungoma	87.9	10.7	0.3		1.0	492,282
Busia	93.6	6.4				189,557
Mt. Elgon	92.1	7.1	0.8			89,111
Kakamega	90.7	7.7	0.3		1.3	220,947
Lugari	91.9	7.3			0.8	98,170
Teso	92.2	7.4			0.4	96,597
Vihiga	90.0	9.6			0.4	213,029
Butere/Mumias	91.1	8.9				212,376

Table 4.24: Percentage distribution of Population (6+ years) by type of school and level attending

Schooling Level	Government	Private	Community	Other	Not stated	Total Count
Pre School	67.2	26.1	6.3		0.4	816,049
Primary	90.3	9.3	0.2	0.0	0.1	8,829,291
Secondary	81.1	17.4	1.0		0.5	1,461,816
University	78.5	21.2			0.3	119,636
Training[1]	38.3	56.8	4.1		0.7	295,892
Not Stated	72.9	22.0			5.1	129,819

[1] This includes professional and vocational training in colleges

Table 4.25: Percentage distribution of Population (3+ years) by Highest School level reached and Region

Region	Pre School	Primary	Secondary	University	None	Other	Total Count
Kenya	**9.5**	**86.4**	**25.0**	**1.2**	**3.6**	**0.5**	**26,001,421**
Rural	9.8	85.9	20.0	0.5	3.9	0.4	20,279,654
Urban	8.4	88.2	42.4	3.4	2.4	0.9	5,721,767
Male	9.4	86.6	26.7	1.6	3.5	0.5	13,278,704
Female	9.7	86.2	23.3	0.7	3.7	0.5	12,722,716
Nairobi	**7.2**	**88.5**	**49.4**	**5.2**	**3.1**	**1.2**	**2,350,073**
Central	**6.2**	**90.3**	**30.0**	**0.9**	**3.3**	**0.2**	**3,621,120**
Kiambu	5.8	87.8	34.2	0.7	6.2	0.2	823,778
Kirinyaga	5.6	91.8	30.4	1.5	2.5	0.1	448,670
Murang'a	2.5	92.8	25.2	1.7	4.6		295,300
Nyandarua	7.3	89.6	23.5	0.1	3.0	0.1	444,906
Nyeri	7.2	90.5	37.3	0.9	1.9	0.4	648,112
Thika	6.7	90.7	30.5	1.2	2.5	0.1	578,285
Maragua	6.4	92.3	18.7	0.6	1.1	0.3	382,068
Coast	**13.3**	**82.4**	**19.2**	**0.7**	**3.6**	**0.8**	**2,130,673**
Kilifi	15.1	79.4	14.1	1.0	5.4	0.1	368,649
Kwale	15.6	78.5	13.6		4.8	1.1	453,828
Lamu	8.9	82.1	14.6	0.2	8.7	0.2	53,650
Mombasa	12.0	86.2	30.4	1.1	0.4	1.4	671,495
Taita Taveta	10.7	89.3	19.1	0.7			231,673
Tana River	10.9	70.3	7.3	0.1	17.4	1.3	125,186
Malindi	14.2	83.2	12.5	0.7	2.5	0.1	226,191
Eastern	**8.1**	**88.5**	**18.3**	**0.5**	**2.9**	**0.6**	**4,315,935**
Embu	5.4	91.8	24.0	0.7	2.5	0.3	306,220
Isiolo	18.4	76.8	12.7	0.2	1.4	3.4	65,387
Kitui	13.1	82.3	11.2	0.3	4.5	0.1	476,224
Makueni	6.0	89.1	16.9	0.3	3.1	1.8	772,090
Machakos	6.4	90.4	24.4	0.4	2.8	0.4	929,743
Marsabit	15.4	73.4	13.1	0.9	10.3	0.9	43,869
Mbeere	8.0	90.0	15.2	0.9	1.7	0.3	155,748
Meru Central	5.9	93.3	26.4	1.2	0.9		461,927
Moyale	19.1	77.2	10.6		1.5	2.1	36,540
Mwingi	10.5	86.1	11.6	0.1	3.4		279,246
Meru North	8.9	88.0	9.5	0.2	3.0		499,104
Tharaka	14.1	81.3	11.4	0.2	3.8	0.8	80,947
Meru South	6.9	90.4	24.5	0.7	2.2	0.5	208,890
North Eastern	**23.5**	**71.0**	**12.1**	**0.7**	**4.4**	**1.1**	**339,979**
Garissa	22.8	72.6	15.3	1.0	2.0	2.6	137,645
Mandera	27.8	72.0	9.1	0.7		0.2	77,046
Wajir	21.6	68.6	10.4	0.4	9.7		125,289
Nyanza	**9.9**	**86.1**	**24.3**	**1.0**	**3.7**	**0.2**	**3,906,113**
Gucha	8.9	87.5	26.8	0.6	3.0	0.6	395,200
Homa Bay	13.0	84.1	18.6	0.6	2.9		228,881
Kisii	10.9	84.8	31.1	0.2	4.2	0.2	402,818
Kisumu	8.2	89.6	38.0	3.1	2.0	0.3	541,781
Kuria	12.6	80.5	9.3	0.6	5.5	1.3	131,957
Migori	11.5	84.2	18.7	1.0	4.3	0.1	435,398
Nyamira	10.4	87.9	36.4	1.3	1.7		440,181
Rachuonyo	10.1	83.8	17.2	0.7	5.8	0.3	324,121
Siaya	8.6	86.7	15.2	0.4	4.4	0.3	419,496
Suba	11.0	85.0	12.2	0.2	4.1		119,814
Bondo	8.0	88.0	19.2	0.5	4.0	0.0	199,267
Nyando	9.4	85.1	17.2	0.3	5.5		267,199

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Table 4.25: Contd...

Region	Pre School	Primary	Secondary	University	None	Other	Total Count
Rift Valley	**10.8**	**84.6**	**23.0**	**0.8**	**4.1**	**0.5**	**6,099,989**
Baringo	8.4	85.8	19.8	0.8	5.0	0.8	257,220
Bomet	8.4	87.6	20.1	0.5	4.0	0.0	363,611
Keiyo	6.9	88.1	23.0	0.8	5.0	0.0	153,760
Kajiado	11.4	76.8	23.1	2.9	7.1	4.8	308,254
Kericho	9.7	84.7	23.0	0.4	5.3	0.3	363,022
Koibatek	11.6	86.0	23.3	0.1	2.4		146,049
Laikipia	8.3	89.6	28.7	0.6	2.1		313,726
Marakwet	15.3	84.1	20.7	0.3	0.6		125,538
Nakuru	9.8	86.5	25.3	0.9	3.2	0.5	1,007,233
Nandi	14.8	84.5	18.3	0.4	0.5	0.2	607,229
Narok	9.0	82.7	17.6		8.1	0.2	275,054
Samburu	16.7	66.9	6.5		16.3		90,029
Trans Mara	12.3	80.3	8.1	0.1	7.4		129,562
Trans Nzoia	6.2	87.5	28.2	1.2	6.1	0.2	614,372
Turkana	32.0	59.7	9.6	0.6	7.2	1.1	200,426
Uasin Gishu	9.6	89.1	32.2	0.8	1.1	0.1	619,853
West Pokot	8.6	80.2			11.2		196,588
Buret	12.1	86.6	25.3	1.1	1.1	0.2	328,464
Western	**10.1**	**85.8**	**20.3**	**0.8**	**3.9**	**0.3**	**3,237,539**
Bungoma	10.7	85.6	25.3	0.5	3.3	0.4	925,928
Busia	12.1	84.0	14.5	0.1	3.9		388,724
Mt. Elgon	9.7	83.0	19.3	0.1	7.3		162,519
Kakamega	10.0	87.0	17.8	1.6	2.7	0.2	475,276
Lugari	7.7	87.4	23.9	3.0	3.6	1.3	217,721
Teso	11.6	85.9	15.7	0.4	2.4	0.1	178,190
Vihiga	9.0	87.7	24.4	1.3	3.2	0.1	461,752
Butere/Mumias	8.9	84.5	13.3	0.2	6.5		427,429

Table 4.26: **Proportion of Children (3-5 years) attending school by Sex and Region**

Region	Male	Female	Total Count	Region	Male	Female	Total Count
Kenya	**26.3**	**30.1**	**1,947,072**	**Nyanza**	**32.7**	**34.5**	**255,100**
				Gucha	34.0	24.6	27,764
Rural	23.1	25.7	1,587,952	Homa Bay	34.2	26.7	18,771
Urban	42.6	47.8	359,120	Kisii	44.0	2.2	27,178
				Kisumu	19.5	24.6	25,020
Nairobi	**55.8**	**61.8**	**150,610**	Kuria	29.3	26.4	11,067
				Migori	41.9	43.5	30,511
Central	**35.4**	**42.4**	**188,145**	Nyamira	26.7	52.5	29,230
Kiambu	42.0	62.3	46,577	Rachuonyo	57.5	55.0	14,736
Kirinyaga	66.9	31.3	20,713	Siaya	22.4	30.5	29,048
Murang'a	24.5	33.8	15,830	Suba	35.6	26.7	8,002
Nyandarua	43.4	20.0	23,659	Bondo	37.1	62.8	11,779
Nyeri	22.2	49.0	28,413	Nyando	20.4	47.6	21,994
Thika	31.6	39.6	33,852				
Maragua	16.1	34.0	19,103	**Rift Valley**	**29.2**	**29.4**	**519,462**
				Baringo	10.3	44.2	20,199
Coast	22.1	22.8	189,532	Bomet	22.9	28.2	23,708
Kilifi	13.8	11.0	37,224	Keiyo	34.0	29.5	12,632
Kwale	22.4	20.8	48,547	Kajiado	54.7	36.0	31,263
Lamu	30.7	20.3	5,382	Kericho	28.6	6.8	40,273
Mombasa	19.3	41.4	45,788	Koibatek	16.2	37.0	12,010
Taita Taveta	57.1	0.0	9,380	Laikipia	42.3	19.8	15,236
Tana River	25.1	14.1	19,047	Marakwet	15.2	20.8	9,300
Malindi	19.2	15.2	24,165	Nakuru	29.8	32.4	79,995
				Nandi	10.9	19.2	47,820
Eastern	**11.6**	**22.6**	**299,282**	Narok	28.4	8.1	29,193
Embu	23.5	29.5	16,359	Samburu	24.6	38.5	14,127
Isiolo	37.9	24.0	8,254	Trans Mara	13.6	16.3	15,019
Kitui	4.3	30.6	36,835	Trans Nzoia	35.3	28.4	45,965
Makueni	7.0	23.1	44,605	Turkana	62.2	57.9	36,624
Machakos	13.1	22.6	70,131	Uasin Gishu	42.3	43.3	30,846
Marsabit	20.6	36.8	6,670	West Pokot	19.0	26.5	25,406
Mbeere	29.6	11.4	9,562	Buret	17.7	27.3	29,848
Meru Central	3.9	14.9	27,342				
Moyale	10.2	12.6	4,328	**Western**	**17.4**	**19.8**	**263,870**
Mwingi	13.2	29.3	24,237	Bungoma	14.7	16.5	78,468
Meru North	6.7	12.1	33,533	Busia	19.1	35.7	35,819
Tharaka	3.2	10.1	8,610	Mt. Elgon	19.2	13.2	17,266
Meru South	10.4	33.0	8,816	Kakamega	14.7	19.8	40,444
				Lugari	36.8	40.9	12,875
North Eastern	**9.0**	**8.2**	**81,071**	Teso	18.5	9.5	17,666
Garissa	10.2	14.6	28,340	Vihiga	12.9	21.1	32,586
Mandera	6.7	5.6	31,523	Butere/Mumias	21.9	7.2	28,746
Wajir	12.4	4.0	21,209				

Chapter 5 | Health Characteristics

5.0 Introduction

This chapter presents key indicators on the health situation of the Kenyan population. The information collected includes morbidity by sex and region, chronic illnesses, use of bed nets and disabilities. The KIHBS also collected detailed information about health status of children, whose information was provided by their mothers or guardians.

The health information collected will assist the government and other service providers to target the sections of the Kenyan population with health problems and also to measure Kenya's progress in achieving health targets set in the Second National Health Sector Strategic Plan (NHSSP II -2005-2010)[6] and the Millennium Development Goals.

5.1 Morbidity patterns

The KIHBS collected detailed information on illnesses experienced by household members over the last four weeks. Table 5.1 presents the distribution of population who were sick by sex. Overall, 27.4 per cent of the survey population reported that they had suffered from some kind of illness during the reference period. The prevalence of illness is relatively higher (30.1%) for females than for males (24.7%). Morbidity patterns show that there is no significant difference between rural and urban areas.

Regional patterns show that the proportion of individuals who were ill is considerably above the national average in Western Province (39.5%) and in Nyanza Province (36.9%), while being below average in Coast Province (19.1%), Central Province (20.4%) and Rift Valley (22.8%). The overall trend of high morbidity in Western and Nyanza Provinces is in line with previous analyses of the household Welfare Monitoring Survey II[7].

Table 5.2 displays the distribution of sick population by type of illness. Malaria is the most commonly mentioned sickness, with 41.4 per cent of the sick population having suffered from malaria over the past month. The highest proportion of malaria-related illnesses is found in Nyanza Province (52.3%). It is an endemic disease in this region and this also contributes to the overall high levels of morbidity in the province. Central Province shows the lowest share of malaria-related sickness, with only 27.1 per cent of the sick population having suffered from it.

Other illnesses commonly reported by the Kenyan population are respiratory infections - flu/common cold (15.1%) and stomach ache (5.3%).

5.2 Diagnosis of illnesses

Diagnosis is an important phase in disease management as incorrect diagnosis leads to improper medication. Whereas improper medication may worsen the health condition of a patient, medical authorities are concerned about improper drug usage since it leads to drug resistance. Respondents who reported to have been sick during the four weeks prior to the survey were asked about who diagnosed the illness they suffered from.

Table 5.3 presents data on who diagnosed illness for the people who were sick over the previous four weeks. Nationally, self-diagnosis was the leading form of diagnosis at 36.1 per cent followed by diagnosis at a hospital at 23.7 per cent. About 22.5 per cent of illnesses were diagnosed by a medical worker at other health facility, while 16.2 per cent of the illnesses were diagnosed by self or other household members who had no medical training. Overall, only 46.2 per cent of illnesses were diagnosed by medical personnel, while the rest (53.8%) were diagnosed by individuals with no formal medical training.

It is evident from the Table 5.3 that the sick in rural areas (36.9%) prefer self-diagnosis compared with those in urban (34.1%). At provincial level, self-diagnosis is lowest in Central Province (30.9%) and highest in Western (45.8%) and Nyanza (39.6%) Provinces where, as has been mentioned above, there is high prevalence of morbidity. It is worth noting that districts with over half of the sick self-diagnosing their ailments are found in the two provinces. The districts are Homa Bay (61.2%), Migori (50.7%), Kakamega (59.6%), Lugari (53.7%) and Busia (53.5%).

[6] See the Ministry of Health's Second National Health Sector Strategic Plan (2005-2010): Reversing the Trends (Nairobi: Government Printer, 2005).
[7] See the Ministry of Planning and National Development's Welfare Monitoring Survey II: Basic Report 1994 (Nairobi: Central Bureau of Statistics, 1996).

Table 5.4 presents the distribution of population who where sick four weeks prior to the survey by type of health provider visited for advice or treatment. Overall, over half (52.2%) visited public health facilities (referral hospital, provincial/district hospitals, health centres and dispensaries). The data show that 19.9 per cent and 13.4 per cent visited dispensaries and health centres respectively, the first point of contacts for the sick in rural areas. It is worth noting that in rural areas, sick people (10.4%) visit kiosks to purchase off the counter drugs for self-medication.

Regionally, 46.6 per cent of the sick in Nairobi visited private health facilities (private hospitals/ dispensaries and clinics). In Coast (25.6%), Eastern (21.7%), and North Eastern (25.8%) Provinces the proportion of the population visiting dispensaries tend to be higher than the national average, while in Nyanza (20.5%) and Western (22.4%) Provinces, pharmacist/chemist are the most preferred providers. At district level, in Makueni, Bondo, Trans Nzoia, and Mt Elgon Districts about half of the population sought health care from the pharmacists/ chemists and kiosks.

The foregoing analyses show that there is a higher incidence of self-diagnosis and visiting of kiosks to purchase medicines, especially in rural areas (10%) than in the urban (4%) areas. This is attributable to the proliferation of pharmacy shops and the common tendency by people to visit a hospital only when faced with a serious illness. The cost of consultation and medication in private health facilities, time required to access treatment, and quality of this treatment all combine to discourage people from visiting trained medical personnel.

5.3 Use of mosquito bed nets

The Government is committed to control the prevention of malaria and to develop several intervention measures to reduce malaria related morbidity. One of the measures is vector control by use of insecticide treated mosquito nets. When used by all or most members of the households, the nets may reduce malaria transmission.

Table 5.5 provides information on the percentage distribution of the population who slept under a bed net by region. Overall, 26.9 per cent of the population sleeps under a bed net to protect against mosquitoes. The proportion of population sleeping under a net is highest in Nyanza (45.1%) and Coast (40.4%) Provinces. Despite the fact that the burden of malaria is greater in rural areas, the use of nets is higher in urban areas (44.4%) than in rural areas (22.5%).

At regional level, the districts with more than half of population sleeping under a bed net are Kisumu (63.0%), Nyando (61.2%), Lamu (51.3%) and Mombasa (50.6%) Districts. It is also worth noting that population sleeping under bed nets in the malaria endemic areas in Coast (40.4%) and Nyanza (45.1%) Provinces, is generally higher than the national average. Nairobi has high proportion of individuals sleeping under net (38.0%) although there is low burden of malaria.

Table 5.6 presents information on children below five years sleeping under mosquito bed nets (treated and untreated). Overall, 34.5 per cent of children under 5 years slept under untreated bed net, while 24.2 per cent slept under insecticide treated nets (ITNs) the night prior to the survey. Comparison with the 2003 KDHS data show that there is considerable increase in the proportion of children sleeping under treated (5% vs 24%) and untreated (14% vs 34%) bed nets. At provincial level, over half of the children in the malaria endemic Coast and Nyanza Provinces sleep under bed nets. The KIHBS data also show that use of ITN has increased considerably in the two provinces since KDHS 2003; from 7 per cent to 18 per cent in Nyanza Province and 7 per cent to 30 per cent in Coast Province.

5.4 Health status of young children

Delivery care

The provision of safe delivery is a key objective in the protection of the life of the mother and the child. Pregnancy and the newborn is one of the key areas under the Kenya Essential Package for Health (KEPH), which integrates all health programmes into a single package focusing on improving health at different stages of life. The life cycle cohort at pregnancy and delivery aims at improving the chances of good delivery, and a well-performed delivery putting the baby in optimal state for survival. This section presents the findings in areas of importance to child health namely the place of birth, assistance during delivery and childhood vaccinations.

Place of birth

In the KIHBS, women were asked the place where children aged 5 years and below were delivered. Table 5.7 shows that 53.9 per cent of the children in the country are delivered at home and 39.1 per cent in a health facility (Hospitals, health centre, dispensary/clinics). The information show that children in rural areas (60.8%) are twice as more likely to be born at home compared with urban children (25.7%). The proportion of children born at home is lower in Nairobi (21.6%) and Central Province (27%) and substantially high in North Eastern (86.1%) and Western (70.8%) Provinces. At district level, over 80 per cent of children, predominantly in the ASAL districts of Wajir Turkana, Samburu, Marsabit, Moyale, Marakwet, West Pokot, Kitui, Makueni, Kilifi and Malindi are born at home.

Nationally, the proportion of children born at home has not changed since the 1994 Household Welfare Monitoring Survey. Deliveries at home have remained at over 50 per cent.

Assistance at delivery

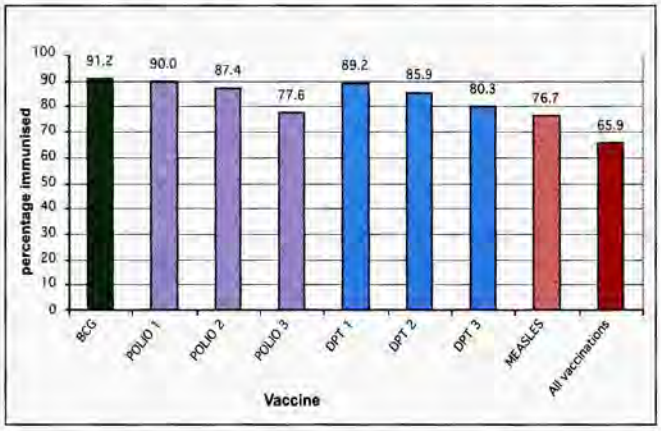
Table 5.8 presents the distribution of children by persons assisting delivery, by place of residence and district. Overall, 39 per cent of children are delivered by trained medical personnel, and 39.1 per cent by traditional birth attendants (TBAs) - 27.4 per cent by untrained TBA and 11.7per cent by trained TBA. TBAs continue to play an important role in assisting delivery especially in rural areas where about 44.4 per cent of children are delivered by them compared with 17.9 in urban areas. At provincial level, the proportion of children delivered by trained TBAs is highest in Western Province (29.4%). Analysis of district level data shows that deliveries supervised by trained TBA tend to be higher in Mt Elgon (59.3%), Trans Nzoia (40.5%), Machakos (37%), Butere/Mumias (33.4%) and Bungoma (33.3%), Busia (32.4%), Makueni (28%) and Migori (27.8%).

Immunisation

KIHBS captured data for children under 5 years to assess the impact of Kenya Expanded Programme of Immunisation (KEPI). The KEPI objective is to ensure that children are immunised against tuberculosis, polio, tetanus, hepatitis B and Haemophilus influenza and measles. KEPI adapted WHO vaccination guidelines which stipulates that children are considered fully immunised when they have received one dose of BCG, given at birth or first contact with a health facility to protect against tuberculosis, three doses each of DPT/hepatitis B/ Influenza to protect against diphtheria, pertussis, tetanus Hepatitis B and Haemophilus influenza and polio and one dose of measles. The data on immunisation was captured from vaccination cards (health cards) by the interviewers and from recall from the mother where cards were not available.

Table 5.9 presents the distribution of children by type of immunisations given. The analysis of the data focuses on children 12-23 months old since they should have been fully immunised in this age group. Overall, 64.2 per cent of the children had vaccination cards. According to the information from mothers' recall and health cards, 91.2 per cent of the children 12-23 months have received BCG, 90.0 per cent polio 1 and 89.2 per cent had received the first dose of DPT-Heb B-Hib 1. Data shows that there is coverage decline for the second doses for all the antigens (Figure 5.1).

Figure 5.1: **Immunisation Rates of Children Aged 12-23 Months**



Overall, at national level, 65.9 per cent of the children are considered fully immunised. Provincial level estimates show that Central Province had the highest proportion of fully immunised children (82.7 %), and lowest in North Eastern Province (20.6 %). At district level, over 90 per cent of children in Nyeri, Nyandarua, Mombasa, Embu, Machakos, Teso and Busia Districts were reportedly fully immunised. Mandera District had the lowest proportion of children (7.6 %) reportedly fully immunised.

Diarrhoea

Diarrhoea is a major cause of morbidity and mortality among young children. Poor hygiene and poor environmental sanitation (such as poor faecal

disposal) contribute to the spread of diarrhoeal diseases. To effectively deal with dehydration caused by diarrhoea, households are advised to give children re-hydration therapy with either commercially packaged oral re-hydration salts (ORS), home made fluids (such as soup), fruit juice or water.

Table 5.10 shows the prevalence of diarrhoea among children below 5 years by district. Overall, 10.7 per cent of the children had diarrhoea two weeks prior to the survey. There is no significant difference in terms of sex or residence in rural or urban areas with regards to diarrhoea. Prevalence of diarrhoea increases with age, peaking at 6-11 months (19.3%) and then decline to (4.9%) in the age 48-59 months. Central Province has considerably lower prevalence (5.2%) and higher in Nyanza Province (18%). At district level, high prevalence was observed in Nyando (35%), Isiolo (29.1%) and Suba (27.7%) Districts.

The treatment given for recent episodes of diarrhoea is given in Table 5.11. The results indicate that children suffering from diarrhoea are universally given some fluid and food with 30 per cent given ORS. Table 5.12 shows that porridge (46.7%) and water (14.3%) are the most preferred fluid given to children suffering from diarrhoea.

5.5 Disability

Disability patterns

The most widespread types of handicap are lameness (25.7%) followed by mental disabilities (18.4%). However, the occurrence of specific handicaps varies significantly across regions. Lameness is much more common in Western Province (32.2% of the disabled), compared to Nairobi (20.4%) or Central Province (12.2%). The occurrence of mental disabilities is relatively high in Central Province (45.8% of the disabled) and Coast Province (40.1%) as opposed to Western Province (6.9%). However, the latter variations might not only reflect genuine differences of the underlying populations, but also spatial variations of medical diagnosis.

Table 5.1: **Percentage Distribution of Population by Incidence of Sickness in the last four weeks**

Region	Morbidity			Total Count	Region	Morbidity			Total Count
	ALL	Male	Female			ALL	Male	Female	
National	**27.4**	**24.7**	**30.1**	**35,018,630**	**Nyanza**	**36.9**	**33.5**	**39.9**	**4,939,508**
					Gucha	22.5	18.8	26.0	500,690
Rural	27.8	25.0	30.5	27,979,296	Homa Bay	41.4	37.9	44.4	298,311
Urban	26.1	23.7	28.5	7,039,334	Kisii	25.1	22.7	27.4	515,436
					Kisumu	42.4	42.8	42.1	637,543
Nairobi	**25.3**	**22.8**	**27.9**	**2,710,609**	Kuria	20.0	18.4	21.8	188,592
					Migori	37.0	33.1	40.4	562,266
Central	**20.4**	**17.8**	**22.8**	**4,297,366**	Nyamira	27.5	22.9	31.6	550,733
Kiambu	20.3	18.3	22.2	949,489	Rachuonyo	50.7	47.6	53.4	392,169
Kirinyaga	23.5	19.0	27.8	533,227	Siaya	45.4	40.8	49.8	546,257
Murang'a	27.5	23.4	30.8	360,968	Suba	48.1	43.5	52.3	159,963
Nyandarua	11.5	9.4	13.4	540,359	Bondo	40.2	38.0	42.0	246,597
Nyeri	15.0	12.4	17.4	746,110	Nyando	48.4	42.1	54.4	340,951
Thika	24.6	23.1	25.9	711,510					
Maragua	24.4	22.0	26.7	455,703	**Rift Valley**	**22.8**	**20.4**	**25.3**	**8,441,579**
					Baringo	38.0	35.7	40.3	363,745
Coast	**19.1**	**15.8**	**22.2**	**3,179,089**	Bomet	13.9	10.4	17.3	455,833
Kilifi	13.3	9.9	16.5	594,701	Keiyo	19.1	21.1	17.3	182,114
Kwale	22.5	20.5	24.5	725,408	Kajiado	30.6	29.1	32.0	474,170
Lamu	21.1	22.2	19.8	79,567	Kericho	17.8	17.2	18.5	469,851
Mombasa	20.1	16.6	23.3	834,957	Koibatek	19.6	16.9	22.4	185,543
Taita Taveta	27.2	19.2	34.7	298,163	Laikipia	17.3	16.1	18.7	418,867
Tana River	19.6	15.7	23.5	268,558	Marakwet	19.8	15.8	24.0	176,622
Malindi	12.3	9.9	14.3	377,734	Nakuru	19.1	16.4	22.2	1,277,129
					Nandi	24.1	19.2	29.1	756,271
Eastern	**30.3**	**28.1**	**32.4**	**5,689,583**	Narok	10.5	10.2	10.8	460,781
Embu	25.7	23.7	27.6	365,399	Samburu	28.5	22.7	34.1	195,856
Isiolo	27.9	25.8	30.1	107,654	Trans Mara	13.6	12.6	14.7	192,462
Kitui	26.8	21.8	31.0	638,662	Trans Nzoia	32.5	29.2	35.6	772,958
Makueni	33.3	30.6	36.2	970,802	Turkana	44.8	41.6	48.2	536,850
Machakos	36.5	36.8	36.2	1,183,712	Uasin Gishu	17.5	17.1	17.9	747,685
Marsabit	21.4	21.5	21.3	129,092	West Pokot	15.1	13.3	16.7	376,668
Mbeere	27.5	25.5	29.4	202,591	Buret	20.1	17.0	23.4	398,173
Meru Central	30.7	28.1	33.5	573,079					
Moyale	17.2	15.5	19.0	74,321	**Western**	**39.5**	**36.8**	**42.0**	**4,236,161**
Mwingi	21.6	19.3	23.8	380,023	Bungoma	33.8	31.6	36.1	1,172,127
Meru North	30.6	27.3	33.9	699,188	Busia	53.6	52.1	55.1	511,633
Tharaka	22.1	19.8	23.8	118,478	Mt. Elgon	35.0	34.3	35.7	216,875
Meru South	32.8	29.3	36.3	246,583	Kakamega	37.9	35.7	39.8	642,057
					Lugari	28.2	25.6	30.7	264,864
North Eastern	**16.2**	**14.0**	**18.5**	**1,093,542**	Teso	37.0	33.6	40.3	245,144
Garissa	18.9	15.5	22.4	397,768	Vihiga	44.3	41.9	46.5	605,504
Mandera	12.6	11.5	13.8	306,932	Butere/Mumias	43.0	37.6	48.0	577,956
Wajir	16.3	14.4	18.3	388,843					

Table 5.2: **Percentage distribution of Population Sick or Injured by Type of sickness, Sex and Region**

Region/Sex	Fever/ Malaria	Diarrhoea	Stomach Ache	Vomiting	Respiratory		Flu	Asthma	Headache	Skin Problem	Dental problems	Eye Problem	Ear, Nose, Throat	Back-ache	Heart Problem	Blood Pressure	Pain When Passing Urine	Diabetes	Mental Disorder	TB	Burn	Fracture	Wound	Pregn-ancy Related	Unspecified Long Term Illness	HIV/ AIDS	Typhoid	Other	Total Count
					Upper (Sinuses)	Lower (Chest/ Lung)																							
Kenya	**41.4**	**2.6**	**5.3**	**0.6**	**1.1**	**4.8**	**15.1**	**1.2**	**5.4**	**1.3**	**1.6**	**1.4**	**1.4**	**2.1**	**0.3**	**0.6**	**0.0**	**0.3**	**0.4**	**0.3**	**0.2**	**0.7**	**2.3**	**0.3**	**0.7**	**0.1**	**1.1**	**7.3**	**9,497,872**
Rural	41.0	2.6	5.5	0.6	1.0	4.9	14.3	1.1	5.9	1.3	1.5	1.5	1.3	2.3	0.3	0.6	0.0	0.3	0.4	0.3	0.1	0.7	2.4	0.3	0.8	0.1	1.0	7.7	7,691,896
Urban	42.9	2.2	4.6	0.3	1.5	4.5	18.3	1.4	3.4	1.5	1.8	1.1	1.9	1.1	0.3	1.0	0.0	0.4	0.3	0.4	0.4	0.8	1.7	0.5	0.4	0.1	1.4	5.7	1,797,220
Male	42.9	2.8	5.2	0.5	1.3	4.4	16.1	1.1	4.4	1.4	1.3	1.7	1.3	1.4	0.2	0.4	0.1	0.3	0.5	0.3	0.2	0.8	2.8	0.0	0.4	0.0	0.9	7.2	4,217,426
Female	40.2	2.4	5.5	0.7	1.0	5.2	14.1	1.3	6.2	1.3	1.8	1.2	1.4	2.6	0.4	0.8	0.0	0.3	0.3	0.3	0.2	0.6	1.9	0.6	0.9	0.1	1.2	7.4	5,272,234
Nairobi	**37.7**	**1.1**	**4.1**	**0.0**	**1.9**	**6.4**	**23.3**	**2.0**	**2.3**	**1.9**	**2.7**	**1.3**	**2.5**	**0.7**	**0.6**	**0.7**	**0.0**	**0.4**	**0.5**	**0.0**	**0.8**	**0.8**	**1.0**	**0.0**	**0.3**	**0.0**	**1.4**	**5.5**	**690,306**
Central	**27.1**	**1.1**	**3.3**	**0.6**	**0.5**	**6.6**	**20.3**	**1.0**	**3.4**	**1.4**	**1.5**	**2.1**	**3.5**	**4.2**	**0.1**	**1.9**	**0.1**	**1.1**	**1.3**	**0.7**	**0.4**	**1.2**	**5.3**	**0.2**	**1.0**	**0.2**	**0.9**	**8.9**	**879,767**
Kiambu	18.6	2.1	1.8	0.0	0.7	9.0	35.3	0.3	3.6	0.0	1.6	2.0	3.1	1.5	0.0	2.0	0.0	0.0	1.3	1.7	0.0	1.0	2.7	0.1	0.6	0.0	0.9	9.8	194,267
Kirinyaga	43.2	0.0	2.7	1.6	0.0	4.9	7.1	0.7	2.4	0.0	2.0	2.6	8.7	5.9	0.0	0.5	0.5	0.0	2.8	0.0	0.7	1.3	3.7	0.6	0.0	0.6	0.0	7.5	125,560
Murang'a	34.0	2.1	0.0	0.6	0.0	5.2	15.0	1.6	1.7	3.6	0.6	3.2	2.4	6.2	0.0	2.0	0.0	0.7	0.0	0.0	0.0	0.6	4.6	0.0	0.0	1.2	0.5	14.3	99,243
Nyandarua	14.4	1.4	3.8	0.0	1.2	5.9	23.1	2.3	1.5	2.2	0.0	4.9	6.2	6.4	1.4	2.0	0.0	2.4	3.4	0.8	0.0	1.8	1.6	0.8	3.0	0.0	2.6	6.8	62,023
Nyeri	13.4	0.0	1.2	1.5	0.0	3.7	28.9	1.3	1.7	3.4	0.0	2.3	2.8	1.0	0.0	3.6	0.0	4.8	1.2	0.0	1.5	2.2	13.0	0.0	1.9	0.0	1.2	9.6	112,142
Thika	27.4	1.4	6.1	0.6	1.2	7.6	17.9	0.4	5.0	1.7	2.8	1.2	1.6	5.5	0.0	1.3	0.0	1.0	1.1	0.9	0.7	0.6	4.4	0.0	1.8	0.0	1.4	6.5	175,230
Maragua	38.2	0.2	6.8	0.0	0.2	7.2	7.8	1.6	6.0	0.8	2.3	0.6	1.4	5.0	0.0	2.5	0.0	0.7	0.0	0.7	0.0	1.5	8.1	0.0	0.0	0.0	0.4	8.2	111,303
Coast	**46.5**	**3.5**	**4.6**	**0.4**	**0.4**	**6.3**	**12.0**	**2.3**	**2.2**	**0.7**	**1.2**	**1.3**	**0.7**	**1.3**	**0.2**	**2.0**	**0.0**	**0.6**	**0.9**	**0.6**	**0.0**	**0.9**	**1.8**	**0.9**	**1.2**	**0.0**	**0.8**	**6.5**	**607,457**
Kilifi	46.7	6.1	7.4	0.0	0.4	8.2	4.3	1.9	0.4	0.0	0.0	3.4	0.7	1.3	1.0	1.3	0.0	1.3	3.9	1.2	0.2	0.0	1.4	2.7	1.0	0.0	1.6	3.7	79,039
Kwale	37.7	4.6	3.1	0.6	0.2	4.8	16.4	2.4	2.0	1.0	2.5	1.7	0.2	1.7	0.0	0.5	0.0	0.6	0.9	1.4	0.0	0.8	4.5	0.0	0.4	0.0	0.5	11.0	163,492
Lamu	63.3	3.8	9.7	0.0	0.5	3.6	0.5	1.4	3.4	1.0	1.0	0.7	1.0	1.1	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.1	2.1	1.3	0.7	0.0	0.0	4.3	16,756
Mombasa	48.0	2.3	5.2	0.0	0.7	3.3	18.7	1.3	0.8	0.9	1.2	0.0	0.3	1.1	0.0	3.8	0.0	0.8	0.0	0.0	0.0	1.3	0.2	1.7	0.0	0.0	0.9	7.5	167,897
Taita Taveta	48.8	1.0	4.3	0.8	0.2	5.9	8.0	5.4	7.2	0.7	0.6	0.6	0.4	0.8	0.8	3.2	0.0	0.1	0.0	0.0	0.0	0.8	0.7	0.2	5.3	0.0	1.2	3.2	81,129
Tana River	63.3	5.4	3.6	0.3	0.3	3.7	5.1	1.9	2.0	0.0	0.5	1.3	0.0	2.4	0.0	0.6	0.2	0.0	1.5	0.8	0.0	0.5	1.1	0.4	2.2	0.0	0.0	3.0	52,705
Malindi	43.0	2.3	3.4	1.8	1.0	23.5	4.3	1.5	1.8	0.9	0.8	2.2	4.9	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.5	0.7	0.0	0.6	0.0	1.2	1.6	46,439
Eastern	**44.4**	**2.7**	**6.3**	**0.5**	**1.7**	**5.7**	**9.4**	**0.8**	**5.4**	**0.9**	**2.0**	**1.0**	**1.0**	**2.2**	**0.1**	**0.5**	**0.0**	**0.1**	**0.5**	**0.1**	**0.3**	**1.0**	**3.0**	**0.3**	**0.6**	**0.0**	**1.7**	**7.9**	**1,725,900**
Embu	41.2	3.0	2.9	1.5	0.0	13.4	1.4	0.0	5.4	0.1	2.4	1.7	0.0	2.1	0.9	0.0	0.0	0.2	0.7	0.0	1.4	1.1	4.5	0.0	0.0	0.1	0.4	15.7	93,840
Isiolo	33.7	8.3	7.8	3.0	0.4	5.2	17.5	3.2	1.6	0.7	1.1	1.3	2.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.3	0.4	0.1	1.3	0.0	1.8	7.0	30,205
Kitui	53.3	3.2	3.0	0.0	1.4	5.9	2.9	3.5	6.3	0.9	2.0	0.1	1.0	2.2	0.4	0.0	0.0	0.0	1.6	0.0	0.0	0.3	3.4	0.0	0.7	0.0	1.1	6.9	171,203
Makueni	51.1	2.5	5.0	0.1	1.1	2.2	12.7	0.2	4.6	1.0	1.9	0.9	1.1	1.2	0.0	0.7	0.1	0.0	0.4	0.0	0.0	0.6	3.0	0.0	0.8	0.0	1.7	7.3	323,756
Machakos	40.9	3.1	5.2	0.3	2.4	3.1	15.9	0.8	4.4	0.7	2.4	0.5	1.2	2.6	0.0	0.8	0.0	0.0	0.7	0.2	0.1	1.0	3.5	0.3	1.1	0.0	2.1	6.5	431,462
Marsabit	44.8	2.7	3.6	0.0	0.0	5.3	19.1	1.3	3.7	2.3	0.0	4.5	1.2	2.7	0.0	0.9	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.5	1.4	0.0	0.0	3.9	28,961
Mbeere	37.5	6.4	3.6	0.0	0.0	10.4	5.0	0.0	6.5	0.5	2.3	1.0	0.5	3.1	0.0	0.4	0.0	0.0	0.0	0.0	1.2	1.0	7.1	0.0	0.0	0.0	1.8	11.6	55,738
Meru Central	48.8	0.0	6.9	0.0	1.7	10.6	5.3	0.6	2.0	0.0	1.1	0.9	0.7	1.2	0.0	1.0	0.0	0.0	0.1	0.7	0.8	1.8	2.5	0.0	0.1	0.0	3.4	9.7	174,971
Moyale	42.0	9.5	10.0	1.7	1.3	2.7	0.8	2.0	7.5	1.4	0.4	2.7	1.1	3.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.4	1.1	0.6	1.6	0.0	0.0	8.6	12,801
Mwingi	44.9	3.5	6.9	1.0	0.0	8.1	5.3	0.0	5.0	1.8	2.6	2.1	0.5	2.0	0.0	0.0	0.0	0.6	0.0	0.2	0.4	1.4	1.4	0.0	0.5	0.0	1.4	10.5	82,254
Meru North	37.7	2.3	13.7	1.1	3.4	4.6	6.7	0.1	9.2	1.2	1.8	1.2	1.1	2.3	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.8	2.8	1.2	0.3	0.0	0.4	7.4	213,619
Tharaka	33.8	1.7	4.9	2.4	2.0	7.5	3.5	0.0	13.1	2.9	3.6	2.4	5.3	3.4	0.6	0.8	0.0	0.0	0.0	0.0	0.0	3.0	2.2	0.7	0.5	0.0	1.2	4.5	26,136
Meru South	41.8	1.2	8.1	0.0	2.5	10.9	5.2	0.0	9.2	1.6	1.0	2.0	1.0	4.7	0.0	0.5	0.0	0.0	0.0	0.0	0.0	1.6	0.3	0.0	0.2	0.0	2.9	5.3	80,954

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Table 5.2: **Contd...**

Region/Sex	Fever/ Malaria	Diarrhoea	Stomach Ache	Vomiting	Respiratory		Flu	Asthma	Headache	Skin Problem	Dental problems	Eye Problem	Ear, Nose, Throat	Back-ache	Heart Problem	Blood Pressure	Pain When Passing Urine	Diabetes	Mental Disorder	TB	Burn	Fracture	Wound	Pregn-ancy Related	Unspecified Long Term Illness	HIV/ AIDS	Typhoid	Other	Total Count
					Upper (Sinuses)	Lower (Chest/ Lung)																							
N. Eastern	**47.0**	**5.2**	**6.7**	**2.6**	**2.4**	**2.9**	**5.0**	**0.6**	**5.1**	**2.1**	**2.2**	**2.8**	**1.0**	**2.4**	**1.5**	**0.6**	**0.4**	**0.2**	**1.0**	**0.8**	**0.0**	**0.2**	**0.3**	**1.9**	**0.9**	**0.0**	**1.5**	**2.9**	**177,011**
Garissa	46.6	2.7	6.6	1.8	5.2	0.7	3.7	0.7	6.7	2.2	3.7	4.4	0.3	1.9	1.2	0.3	0.0	0.0	1.4	1.1	0.0	0.0	0.6	1.9	0.7	0.0	1.4	4.0	75,101
Mandera	35.2	8.9	9.8	8.3	0.9	3.5	3.9	1.2	4.6	5.5	2.6	1.7	2.2	0.0	1.7	1.0	0.1	0.9	1.9	1.2	0.0	1.1	0.0	0.0	0.9	0.0	0.1	2.7	38,769
Wajir	54.8	5.8	4.8	0.0	0.1	5.1	7.2	0.0	3.5	0.1	0.1	1.6	1.0	4.3	1.7	0.7	0.9	0.0	0.0	0.1	0.0	0.0	0.1	3.1	1.1	0.0	2.3	1.5	63,141
Nyanza	**52.3**	**2.7**	**4.5**	**0.6**	**0.7**	**2.6**	**7.1**	**1.6**	**5.6**	**1.9**	**1.4**	**1.3**	**0.8**	**1.6**	**0.2**	**0.3**	**0.0**	**0.3**	**0.2**	**0.5**	**0.1**	**0.6**	**2.2**	**0.3**	**0.8**	**0.1**	**0.5**	**9.3**	**1,820,970**
Gucha	41.6	2.3	7.0	0.5	0.5	4.4	18.9	3.9	3.5	2.1	0.1	2.6	2.3	1.7	0.0	0.1	0.0	1.6	0.9	0.0	0.0	0.6	0.0	1.3	0.8	0.0	0.0	3.2	112,456
Homa Bay	59.2	1.9	2.6	0.0	0.1	2.0	2.0	1.5	4.1	1.4	2.4	0.9	0.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.1	0.3	0.9	0.0	0.1	14.4	123,536
Kisii	55.4	4.1	2.0	0.0	0.0	1.7	17.5	1.7	2.3	1.7	0.6	2.4	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.6	7.1	130,310
Kisumu	48.1	2.8	3.9	1.3	1.1	2.6	7.3	1.0	8.2	1.0	0.5	1.0	0.4	0.9	0.0	0.2	0.0	0.0	0.0	1.1	0.0	0.8	2.6	0.3	0.1	0.5	1.9	11.7	269,719
Kuria	58.0	1.4	4.7	0.8	0.9	2.4	4.5	0.0	5.7	3.4	2.2	0.2	1.2	2.6	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	5.4	0.1	3.7	0.0	0.0	2.0	37,754
Migori	63.9	3.2	3.8	1.1	0.0	0.7	1.0	0.5	0.8	2.5	2.3	1.4	0.4	2.1	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.7	1.8	0.8	0.9	0.0	0.1	11.5	208,050
Nyamira	38.9	7.5	2.6	0.0	0.0	0.0	28.1	1.7	4.6	1.4	2.4	1.4	1.4	0.5	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	1.7	0.0	0.1	6.5	151,574
Rachuonyo	60.1	1.4	3.3	0.4	0.9	6.5	1.3	0.6	4.9	0.5	1.4	0.9	1.5	2.1	0.6	0.2	0.0	0.6	0.5	0.3	0.0	0.0	1.0	0.2	0.0	0.0	0.1	10.6	198,857
Siaya	50.6	0.7	8.4	0.7	1.9	2.9	2.2	2.9	5.6	3.6	1.9	0.0	0.5	1.3	0.3	1.7	0.0	0.0	0.0	1.4	0.5	1.1	3.9	0.0	1.1	0.0	0.6	6.3	247,791
Suba	52.2	1.9	3.8	0.5	0.8	2.0	2.2	0.6	7.8	4.1	1.6	2.6	0.3	3.7	0.5	0.1	0.0	0.4	0.7	0.0	0.0	0.0	1.0	0.1	2.5	0.4	1.2	8.8	76,867
Bondo	64.1	2.9	2.4	0.1	0.4	0.4	2.8	2.0	4.9	1.2	1.5	2.9	0.5	2.6	0.3	0.0	0.0	0.1	0.0	1.4	0.0	0.3	1.7	0.0	0.6	0.0	0.1	6.8	99,018
Nyando	41.4	2.1	6.7	0.9	0.2	3.8	3.0	1.7	14.2	1.6	0.0	1.5	0.4	1.0	0.7	0.0	0.0	0.1	0.3	0.0	0.0	1.0	4.8	0.0	0.4	0.0	0.5	13.5	165,038
Rift Valley	**36.7**	**2.5**	**5.1**	**0.7**	**1.5**	**5.6**	**22.4**	**0.9**	**5.4**	**1.1**	**1.3**	**1.7**	**1.9**	**2.2**	**0.3**	**0.4**	**0.0**	**0.2**	**0.2**	**0.3**	**0.2**	**0.5**	**1.5**	**0.4**	**0.7**	**0.1**	**1.4**	**4.9**	**1,923,864**
Baringo	14.1	1.9	4.7	0.8	0.9	3.5	50.5	0.5	4.4	2.8	1.4	0.3	2.1	2.4	0.0	0.0	0.2	0.0	0.1	0.0	0.3	0.2	3.0	0.2	0.0	0.0	0.0	5.8	137,149
Bomet	35.5	0.0	1.1	0.0	0.1	1.1	33.1	0.6	6.0	6.6	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.8	0.0	0.0	1.4	8.0	63,167
Keiyo	9.4	1.2	3.5	2.0	6.4	9.3	29.4	3.5	5.9	0.8	0.7	1.9	4.3	5.0	1.7	0.0	0.0	0.6	0.6	0.0	0.0	2.9	2.4	0.0	1.7	0.0	2.1	4.7	34,850
Kajiado	12.3	2.7	6.1	0.0	1.2	6.3	36.1	0.0	8.2	0.3	1.8	5.1	1.2	3.4	0.6	0.8	0.0	0.1	0.4	1.0	0.2	1.0	1.1	2.0	1.5	0.2	0.9	3.6	145,572
Kericho	51.6	3.0	3.9	0.0	1.9	1.7	14.3	0.0	5.5	0.0	2.1	2.1	3.2	0.2	0.0	0.2	0.0	0.0	1.8	0.0	0.0	0.6	1.0	0.0	0.0	0.0	0.7	6.1	83,472
Koibatek	18.1	2.4	5.1	0.5	8.0	13.2	28.8	0.6	6.5	0.5	0.0	0.5	2.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.2	0.0	1.6	0.0	1.8	2.7	36,362
Laikipia	14.9	2.5	4.8	2.8	0.7	5.0	32.2	2.3	0.4	1.2	4.8	2.8	4.1	2.1	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.6	2.1	2.0	0.0	0.0	6.5	7.4	72,410
Nandi	50.9	3.6	2.5	1.1	0.0	6.4	13.5	1.1	4.7	0.1	2.0	0.3	1.3	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	3.1	0.0	0.4	0.1	2.0	3.9	182,428
Marakwet	22.3	2.2	5.3	0.0	2.5	3.0	30.4	0.7	8.0	0.7	2.1	0.9	3.6	7.1	0.7	0.9	0.0	0.0	0.0	0.0	1.5	1.7				5.0	1.6		35,020
Nakuru	30.1	3.1	6.5	0.7		6.8	26.1	1.1	3.8	1.1	1.2	1.1	2.4	3.2	0.6	1.6	0.0	0.0	0.2	0.0	0.3		2.3		0.7		1.2	5.9	244,359
Narok	49.5	4.8	4.1	0.8	0.8	5.4	2.4	0.0	6.4	0.0	1.6	0.0	4.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.5	16.5	48,174
Samburu	37.1	2.1	3.3	1.0	0.4	7.5	22.1	4.5	6.4	2.8	0.0	3.3	1.5	1.7	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.8	1.5	0.3	1.1	0.0	0.0	1.6	55,724
Trans Mara	67.4	3.6	1.8	0.2	2.0	3.5	3.1	0.0	3.8	0.0	1.3	1.1	1.5	0.0	1.3	0.0	0.2	0.0	0.0	0.0	0.2	0.8	1.3	1.7	1.4	0.0	0.2	2.9	26,232
Trans Nzoia	34.8	2.8	5.3	0.7	5.4	4.1	22.8	0.3	9.9	1.0	0.3	2.0	0.5	0.2	0.0	0.1	0.0	0.0	0.0	0.2	0.3	0.1	0.0	0.0	1.3	0.0	0.7	7.2	250,944
Turkana	55.4	2.9	6.0	1.1	0.5	12.3	4.7	0.8	4.0	0.5	1.4	1.5	1.4	4.1	0.2	0.0	0.0	0.0	0.0	0.6	0.0	0.1	0.7	0.2	0.0	0.0	0.3	1.5	240,427
Uasin Gishu	43.4	0.1	9.5	0.1	0.8	1.0	18.9	0.9	3.3	2.4	0.7	0.7	2.9	2.0	0.0	0.8	0.0	1.1	0.0	0.2	0.8	2.3	0.0	0.0	0.8	0.9	3.9	2.5	130,902
West Pokot	60.4	2.0	3.3	0.0	0.0	1.7	11.5	1.5	4.5	0.0	0.0	0.0	0.6	1.9	0.0	0.0	0.3	0.0	0.4	2.0	0.0	0.8	1.3	0.0	3.9	0.0	1.2	2.8	56,691
Buret	42.7	2.9	3.3	0.0	0.6	2.1	24.6	0.1	4.6	0.0	1.6	3.6	2.1	1.2	0.7	0.6	0.0	0.6	0.6	0.7	0.0	0.0	0.7	0.0	1.5	0.0	0.0	5.3	79,980

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Table 5.2: **Contd...**

Region/Sex	Fever/ Malaria	Diarrhoea	Stomach Ache	Vomiting	Respiratory		Flu	Asthma	Headache	Skin Problem	Dental problems	Eye Problem	Ear, Nose, Throat	Back-ache	Heart Problem	Blood Pressure	Pain When Passing Urine	Diabetes	Mental Disorder	TB	Burn	Fracture	Wound	Pregn-ancy Related	Unspecified Long Term Illness	HIV/ AIDS	Typhoid	Other	Total Count
					Upper (Sinuses)	Lower (Chest/ Lung)																							
Western	**38.2**	**3.0**	**7.4**	**0.7**	**0.8**	**3.6**	**17.1**	**1.0**	**8.7**	**1.2**	**1.2**	**1.2**	**0.5**	**2.1**	**0.7**	**0.3**	**0.0**	**0.2**	**0.1**	**0.1**	**0.0**	**0.6**	**1.9**	**0.2**	**0.4**	**0.1**	**0.8**	**7.9**	**1,672,596**
Bungoma	38.3	2.7	8.9	1.4	0.1	4.6	14.5	0.6	7.6	1.7	0.8	1.1	1.0	2.7	0.0	0.4	0.0	0.0	0.0	0.3	0.0	0.9	2.0	0.1	0.1	0.0	1.5	8.7	395,911
Busia	43.5	1.6	6.4	0.0	0.8	1.8	16.6	0.2	7.3	0.4	1.4	1.0	0.5	1.5	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.5	0.0	0.0	1.3	11.4	274,482
Mt. Elgon	33.9	2.6	6.6	1.4	6.8	4.3	14.9	0.3	17.3	0.6	0.4	2.2	0.8	2.4	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.8	0.0	0.7	0.0	0.5	2.9	75,903
Kakamega	42.2	2.9	4.2	0.0	0.0	5.5	21.8	1.7	5.9	2.2	1.4	0.8	0.1	1.3	2.3	0.4	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.1	0.0	0.0	0.3	6.2	244,231
Lugari	31.2	3.6	4.6	1.2	1.1	1.1	29.9	0.7	12.5	0.9	1.5	0.8	0.1	0.6	0.8	0.7	0.6	0.7	0.0	0.1	0.1	2.3	1.2	0.0	0.0	0.7	0.0	3.3	74,568
Teso	40.8	3.1	10.7	1.5	0.4	1.4	13.7	0.4	9.0	1.4	1.5	1.4	0.9	1.6	1.0	0.0	0.0	0.0	0.0	0.0	0.3	1.3	2.1	0.8	0.7	0.7	0.3	5.3	90,593
Vihiga	33.4	5.4	7.6	0.3	1.1	2.0	19.3	2.9	9.4	1.6	1.4	1.6	0.2	1.5	0.0	0.0	0.0	0.3	0.3	0.1	0.0	0.6	2.9	0.1	1.2	0.0	0.7	6.3	268,532
Butere/ Mumias	35.8	2.3	8.9	0.7	0.6	5.2	12.8	0.5	9.8	0.3	1.5	1.3	0.8	3.7	0.7	0.1	0.0	0.5	0.6	0.0	0.0	0.4	2.3	0.0	1.0	0.0	0.0	10.3	248,376

Table 5.3: **Percentage distribution of Population by who diagnosed the Illness.**

Region	Medical Worker at Hospital	Medical Worker at other health facility	Tradititonal Healer	Non Household member	Household member	Self	Herbalist	Faith healer	others	Total Count
Kenya	**23.7**	**22.5**	**0.3**	**0.5**	**16.2**	**36.1**	**0.4**	**0.0**	**0.2**	**17,366**
Rural	19.6	24.4	0.3	0.6	17.6	36.9	0.4	0.0	0.2	12,388
Urban	34.0	17.9	0.2	0.3	12.7	34.1	0.3	0.1	0.4	4,978
Nairobi	**35.0**	**17.8**		**0.4**	**10.0**	**36.1**	**0.4**		**0.4**	**512**
Central	**39.9**	**16.0**	**0.1**	**0.3**	**12.3**	**30.9**	**0.4**			**1,217**
Kiambu	28.8	4.6			24.6	41.7	0.4			240
Kirinyaga	69.8	14.2		1.2	1.2	11.8	1.8			169
Murang'a	36.6	39.6	0.6		5.5	17.1	0.6			164
Nyandarua	60.2	10.2		1.0	5.1	23.5				98
Nyeri	54.7	15.6			4.7	25.0				128
Thika	24.7	21.7			12.3	41.3				235
Maragua	28.4	7.7		0.5	21.9	41.5				183
Coast	**26.5**	**25.8**	**0.1**	**0.7**	**13.0**	**33.3**	**0.3**	**0.1**	**0.2**	**1,291**
Kilifi	23.4	55.6			0.8	18.5			1.6	124
Kwale	42.1	15.4			12.7	29.4	0.4			228
Lamu	12.4	42.2			15.7	29.2	0.5			185
Mombasa	43.3	16.4	0.5	0.5	10.9	27.9			0.5	201
Taita Taveta	17.3	19.3			14.9	48.5				202
Tana River	21.2	5.9		1.8	25.2	45.0	0.5	0.5		222
Malindi	19.4	51.2		3.1	0.8	24.8	0.8			129
Eastern	**21.6**	**32.0**	**0.4**	**0.3**	**13.1**	**32.1**	**0.2**	**0.1**	**0.1**	**3,354**
Embu	23.0	43.9			3.6	29.6				196
Isiolo	25.5	17.5	1.1		32.7	23.3				275
Kitui	18.1	35.8	0.4		14.4	30.9			0.4	243
Makueni	15.2	18.8		0.5	20.5	44.3	0.5		0.2	420
Machakos	20.8	16.4			15.2	47.2	0.5			409
Marsabit	19.4	9.7			26.1	44.2	0.6			165
Mbeere	24.8	34.3			5.7	34.8			0.4	230
Meru Central	27.0	45.2	1.3	0.9	3.0	22.6				230
Moyale	19.2	42.8	1.9	0.5	12.5	20.2	1.4	1.0	0.5	208
Mwingi	15.0	39.7	0.5		9.8	34.6		0.5		214
Meru North	22.0	43.6		0.3	7.6	26.5				291
Tharaka	29.8	37.7		1.4	5.6	25.6				215
Meru South	25.6	48.4	0.8		6.2	19.0				258
North Eastern	**51.1**	**15.6**	**1.0**	**4.1**	**8.9**	**18.5**	**0.6**		**0.2**	**493**
Garissa	63.2	10.4			6.0	20.3				182
Mandera	35.8	20.1	3.7	14.2	11.9	11.2	2.2		0.7	134
Wajir	50.3	17.5		0.6	9.6	22.0				177
Nyanza	**20.6**	**20.2**	**0.2**	**0.3**	**18.5**	**39.6**	**0.5**	**0.1**	**0.0**	**3,613**
Gucha	26.2	9.3			16.4	47.0	1.1			183
Homa Bay	13.0	7.5			17.9	61.2	0.3			307
Kisii	21.2	26.5			23.3	29.1				189
Kisumu	31.8	23.5	0.5	0.3	13.6	30.2				374
Kuria	26.7	17.1			21.4	34.2	0.5			187
Migori	9.6	13.6		0.3	24.9	50.7	0.6		0.3	345
Nyamira	27.4	23.6		0.5	18.3	30.3				208
Rachuonyo	13.2	33.2	0.2	0.2	19.1	33.4	0.7			425
Siaya	16.6	16.1	0.3	1.1	21.7	44.0	0.3			373
Suba	10.9	29.4	0.3	0.8	20.7	36.5	1.1	0.3		367
Bondo	14.3	22.1			21.3	42.3				272
Nyando	41.5	14.6	0.8		7.6	34.2	1.0	0.3		383
Rift Valley	**22.6**	**24.8**	**0.4**	**0.6**	**17.5**	**33.1**	**0.4**	**0.1**	**0.6**	**3,745**
Baringo	14.9	12.0		0.6	25.7	45.6			1.2	342

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Table 5.3: **Contd...**

Region	Medical Worker at Hospital	Medical Worker at other health facility	Traditional Healer	Non Household member	Household member	Self	Herbalist	Faith healer	others	Total Count
Bomet	17.2	25.0			15.5	42.2				116
Keiyo	30.5	22.5	0.7	1.3	12.6	31.8	0.7			151
Kajiado	8.7	11.7		0.9	29.1	48.3			1.3	230
Kericho	22.9	26.1	0.6	0.6	19.7	29.9				157
Koibatek	22.9	32.6	0.6		9.7	33.1	0.6		0.6	175
Laikipia	56.8	11.9		0.8	2.5	28.0				118
Marakwet	29.7	41.1	1.3	1.3	7.0	19.0			0.6	158
Nakuru	28.4	31.4		0.4	10.3	27.3	0.7		1.5	271
Nandi	30.3	36.5	0.8	0.8	7.9	22.4		0.4	0.8	241
Narok	13.7	48.4			16.8	21.1				95
Samburu	8.0	0.8		0.8	31.2	58.8	0.4			250
Trans Mara	19.7	37.7			17.2	18.9	1.6		4.9	122
Trans Nzoia	17.0	25.0			26.1	31.0	0.5	0.3		364
Turkana	22.3	10.4	0.2	0.7	21.5	44.5	0.4			452
Uasin Gishu	32.2	48.3			5.2	14.4				174
West Porkot	33.6	31.4	3.6	2.2	11.7	15.3	2.2			137
Buret	25.5	45.3	0.5		12.0	16.1	0.5			192
Western	**17.3**	**15.4**	**0.1**	**0.5**	**20.2**	**45.8**	**0.3**		**0.3**	**3,141**
Bungoma	13.9	15.6	0.2	1.0	25.8	43.0	0.2		0.2	488
Busia	11.3	20.4			14.4	53.5	0.2		0.2	452
Mt. Elgon	16.9	25.0	0.5	0.5	22.5	34.1	0.5			408
Kakamega	13.3	9.3		0.8	16.1	59.6	0.3		0.6	354
Lugari	14.7	13.0		0.3	17.6	53.7			0.7	307
Teso	16.4	23.3		1.2	28.2	30.0	0.3		0.6	347
Vihiga	26.5	5.4		0.3	18.1	49.2	0.5			392
Butere/Mumias	26.2	10.2			18.3	44.8	0.5			393

Table 5.4: **Percentage distribution of Population who were Sick by type of Health Practitioner Consulted and Region**

Region	Referral Hospital	District Provincial hospital	Public Dispensary	Public Health Centre	Private dispensary hospital	Private clinic	Traditional Healer	Missionary hosp./disp	Pharmacy/ chemist	Kiosk	Faith Healer	Herbalist Count	Other	Total
Kenya	**2.0**	**16.9**	**19.9**	**13.4**	**10.6**	**9.9**	**0.2**	**3.7**	**12.9**	**8.6**	**0.1**	**1.2**	**0.6**	**12,146**
Rural	1.6	12.1	25.2	14.9	9	8.5	0.2	3.7	12.3	10.4	0.1	1.4	0.6	8,569
Urban	2.9	28.2	7	10	14.6	13.4	0.2	3.4	14.5	4.1	0.3	0.9	0.5	3,577
Nairobi	**7.9**	**3.3**	**13**	**5.1**	**23.8**	**22.8**		**8.4**	**14.1**	**0.8**			**0.8**	**369**
Central	**2.9**	**20.3**	**19.8**	**14.3**	**12.8**	**8.9**		**5.3**	**10.6**	**4.5**		**0.4**	**0.2**	**965**
Kiambu	3.4	12.7	10.8	13.7	17.2	12.7		8.8	18.1	1		1.5		204
Kirinyaga	2.0	27.0	31.6	10.5	10.5	4.6		2.0	9.2	2.6				152
Murang'a	6.4	17.1	25.7	24.3	10.7	5.0			7.9	1.4		0.7	0.7	140
Nyandarua	1.5	29.9	23.9	9	11.9	13.4		6.0	4.5					67
Nyeri	1.0	41.6	10.9	21.8	8.9	7.9		1.0	3	4.0				101
Thika	4.2	13.7	8.3	10.1	17.3	11.3		7.7	14.3	12.5			0.6	168
Maragua		15.0	33.1	11.3	9.0	7.5		9.0	7.5	7.5				133
Coast	**3.1**	**15.1**	**25.6**	**15.4**	**10.7**	**16.7**	**0.3**	**1.6**	**4**	**5.2**	**0.8**	**0.9**	**0.6**	**896**
Kilifi	2.4	20	15.3	23.5	2.4	28.2		1.2	5.9	1.2				85
Kwale	2.9	17.6	26.5	27.2	4.4	15.4		2.9		2.2			0.7	136
Lamu	2.8	16.2	21.8	29.6	23.9	0.7	0.7	0.7		1.4		2.1		142
Mombasa	7.1	5	9.2	8.5	19.9	37.6	0.7		7.8	2.1		1.4	0.7	141
Taita Taveta	0.6	17.8	21.5	5.5	8.0	13.5			10.4	20.9		0.6	1.2	163
Tana River	4.5	11.3	45.1	11.3	9.0	5.3	0.8	6.0	0.8		5.3	0.8		133
Malindi	1.0	20.8	42.7	3.1	1.0	22.9			2.1	4.2		1.0	1.0	96
Eastern	**1.1**	**17.8**	**21.7**	**9.8**	**10.7**	**11.6**	**0.3**	**4.8**	**8.6**	**12.2**	**0.1**	**0.8**	**0.6**	**2,641**
Embu	1.9	26.1	26.1	3.7	13.7	9.9		4.3	5.6	8.1			0.6	161
Isiolo	2.5	24.4	19.3	19.3	12.2	5.1	1.0	1.5	5.6	6.1	0.5	1.5	1	197
Kitui		23.1	28	12.1	14.8	3.8				17			1.1	182
Makueni	1.4	6	19.7	4.3	4.6	10.8		1.4	22.5	26.2		1.1	2	351
Machakos	0.6	11.2	12.1	3.1	3.7	19.0		3.4	21.2	22.7		1.9	0.9	321
Marsabit		34.2	22.8		2.5	16.5	2.5	19		2.5				79
Mbeere	5	23.5	30.7	12.3	7.3	7.8		1.7		10.6		1.1		179
Meru Central	0.5	17.9	22.2	14.5	7.7	9.7		17.9	5.3	4.3				207
Moyale	1.2	13	51.6	5.6	3.7	1.9	1.2	5	10.6	1.9	0.6	3.1	0.6	161
Mwingi		19.6	13.7	27.5	13.7	4.6	0.7		2	18.3				153
Meru North	0.4	10.2	17	11.4	15.2	23.5		14	1.5	6.4			0.4	264
Tharaka		20.8	13.7	5.4	23.8	20.8		0.6	6	8.9				168
Meru South	0.9	28	19.7	11.5	19.7	9.2			6.9	4.1				218
North Eastern	**5.7**	**28.3**	**25.8**	**13.5**	**9.7**	**9.7**	**0.3**	**0.3**	**1.6**	**4.7**	**0.3**			**318**
Garissa	7.8	15.6	25.8	29.7	3.9	15.6			1.6					128
Mandera	13	40.7	22.2	3.7	3.7	7.4	1.9		5.6		1.9			54
Wajir	0.7	35.3	27.2	2.2	17.6	5.1		0.7		11				136
Nyanza	**1.3**	**16.9**	**15.8**	**16.2**	**9.5**	**7.9**	**0.2**	**1.6**	**20.5**	**7.8**	**0.1**	**1.9**	**0.4**	**2,544**
Gucha	0.7	11.0	24	11	5.5	18.5		0.7	18.5	6.2		4.1		146
Homa Bay	2.7	33.1	8.8	16.9	13.5	12.2	0.7	2.0	4.1	2.0		0.7	3.4	148
Kisii		27.1	10.3	7.1	7.7	11.0		2.6	23.2	9.7		1.3		155
Kisumu	4.6	15.4	16.8	7.1	15.7	1.8		0.4	27.1	7.5		3.2	0.4	280
Kuria	2.7	21.3	17.3	13.3	10	8.7	1.3	0.7	12	10		2.7		150
Migori		22.7	13	31.4	8.6	15.1	0.5	5.9	1.6			1.1		185
Nyamira	0.6	15.8	26.1	15.8	7.3	6.7		1.2	19.4	7.3				165
Rachuonyo	0.3	18.6	18.3	17.9	15.9	5.5		0.7	5.9	16.6		0.3		290
Siaya		20.6	10.1	14.4	8.3	5.4	0.4	1.1	32.5	4.7		2.5		277
Suba	1.1	16.3	16.3	33.1	6.2	11.8			10.1	0.6	1.1	2.2	1.1	178
Bondo	0.4	12.4	22.1	1.6	5.2	8.4		0.4	41.4	6.0		2.0		249
Nyando	1.6	3.1	10	24.9	6.9	2.5		3.7	29.9	14.6	0.3	2.2	0.3	321
Rift Valley	**2.1**	**15.1**	**25.5**	**13.4**	**10.9**	**6.5**	**0.1**	**5.3**	**9**	**9.4**	**0.1**	**1.9**	**0.6**	**2,723**
Baringo	1.0	12.9	24.8	23.8	13.4	3.0			8.9	5.9		5.4	1.0	202
Bomet		2.9	34.6	7.7	19.2	1		5.8	4.8	22.1		1.9		104

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Table 5.4: **Contd...**

Region	Referral Hospital	District Provincial hospital	Public Dispensary	Public Health Centre	Private dispensary hospital	Private clinic	Traditional Healer	Missionary hosp./disp	Pharmacy/ chemist	Kiosk	Faith Healer	Herbalist Count	Other	Total
Keiyo	1.8	34.8	33.0	9.8	7.1	5.4	0.9		1.8	3.6		1.8		112
Kajiado	4.6	6.9	6.9	18.3	4	12		9.1	14.3	18.9		1.7	3.4	175
Kericho		20.6	22.1	5.3	26.7	5.3		1.5	5.3	13				131
Koibatek	2.3	23.8	35.4	9.2	10.8	2.3		1.5	6.9	6.2		1.5		130
Laikipia	0.9	18.3	32.1	4.6	10.1	5.5		2.8	10.1	15.6				109
Marakwet	2.5	4.9	21.3	27	9.0	6.6	0.8	26.2	1.6					122
Nakuru	0.5	9.3	19.1	17.7	13	11.6		1.4	12.6	13.5		1.4		215
Nandi	2.1	35.1	33.5	2.1	6.7	4.6			5.2	9.8	0.5	0.5		194
Narok	1.4	6.8	11	6.8	9.6	32.9		19.2	12.3					73
Samburu		6.4	30.6	20.8	6.9	1.2		12.1	0.6	12.1		8.7	0.6	173
Trans Mara		21.8	29.9	8	6.9	21.8		1.1	5.7			2.3	2.3	87
Trans Nzoia	0.8	14.3	9.5	6.7	8.3	5.2			31.7	21.4	0.4	1.2	0.4	252
Turkana		13.6	37.7	20	15	2.3		10		0.5			0.9	220
Uasin Gishu	18.7	9.3	25.3	16.7	12	6.7		5.3	5.3				0.7	150
West Porkot	2	21.2	18.2	23.2	4	5.1	1	5.1	10.1	3		7.1		99
Buret	0.6	13.7	38.3	6.3	12	4.6	0.6	4.6	9.7	9.1		0.6		175
Western	**0.8**	**17.9**	**11.6**	**15.2**	**7.9**	**10.2**	**0.4**	**2.1**	**22.4**	**9.1**		**1.1**	**1.2**	**1,690**
Bungoma	0.5	30.4	12.3	14.7	12.3	5.9	0.5	3.9	11.3	6.4		0.5	1.5	204
Busia	1.8	27.3	8.5	35.2	11.5	5.5		7.9	1.2	0.6		0.6		165
Mt. Elgon	1.3	8.8	7.1	14.2	8.8	5.8	0.4	0.8	30.8	20.8		1.3		240
Kakamega	0.5	15.6	11.3	9.0	5.7	8.5	0.5	0.9	42.5	4.7		0.9		212
Lugari	0.6	34.1	7.5	6.9	9.2	8.1			27.2	5.8			0.6	173
Teso	1.8	20	21.3	16.9	1.3	12.4	0.4	0.9	18.2	6.2		0.4		225
Vihiga	0.4	11.5	7.5	17.7	6.2	13.7	1.3	1.3	21.2	13.7		3.5	1.8	226
Butere/Mumias	0.0	4.9	15.5	10.6	9.4	18.8		2.4	22	10.2		1.2	4.9	245

Other health practitioner consulted account for 0.6 % of National total

Table 5.5: **Proportion of Population who slept under a bed net by district**

Region	Slept Under a Bed Net	Total Count	Region	Slept Under a Bed Net	Total Count
Kenya	**26.9**	**35,018,630**	**Nyanza**	**45.1**	**4,939,508**
			Gucha	36.6	500,690
Rural	22.5	27,977,098	Homa Bay	39.1	298,311
Urban	44.4	7,037,997	Kisii	39.1	515,436
			Kisumu	63.0	637,543
Nairobi	**38.0**	**2,710,609**	Kuria	42.5	188,592
			Migori	39.3	562,266
Central	**12.7**	**4,297,366**	Nyamira	40.9	550,733
Kiambu	6.7	949,489	Rachuonyo	40.1	392,169
Kirinyaga	30.0	533,227	Siaya	45.0	546,257
Murang'a	7.9	360,968	Suba	39.2	159,963
Nyandarua	1.7	540,359	Bondo	50.3	246,597
Nyeri	5.7	746,110	Nyando	61.2	340,951
Thika	24.9	711,510			
Maragua	14.3	455,703	**Rift Valley**	**19.2**	**8,441,579**
			Baringo	26.0	363,745
Coast	**40.4**	**3,179,089**	Bomet	33.0	455,833
Kilifi	40.8	594,701	Keiyo	6.2	182,114
Kwale	32.1	725,408	Kajiado	30.4	474,170
Lamu	51.3	79,567	Kericho	33.8	469,851
Mombasa	50.6	834,957	Koibatek	20.5	185,543
Taita Taveta	30.8	298,163	Laikipia	12.3	418,867
Tana River	45.1	268,558	Marakwet	8.8	176,622
Malindi	34.9	377,734	Nakuru	9.8	1,277,129
			Nandi	18.9	756,271
Eastern	**21.4**	**5,689,583**	Narok	4.9	460,781
Embu	17.2	365,399	Samburu	3.2	195,856
Isiolo	42.6	107,654	Trans Mara	32.2	192,462
Kitui	11.2	638,662	Trans Nzoia	23.0	772,958
Makueni	10.8	970,802	Turkana	6.0	536,850
Machakos	31.7	1,183,712	Uasin Gishu	33.6	747,685
Marsabit	2.0	129,092	West Pokot	15.9	376,668
Mbeere	30.0	202,591	Buret	18.8	398,173
Meru Central	22.8	573,079			
Moyale	26.7	74,321	**Western**	**29.8**	**4,236,161**
Mwingi	16.0	380,023	Bungoma	31.0	1,172,127
Meru North	20.7	699,188	Busia	41.2	511,633
Tharaka	41.3	118,478	Mt. Elgon	10.7	216,875
Meru South	36.4	246,583	Kakamega	24.0	642,057
			Lugari	27.9	264,864
North Eastern	**21.8**	**1,093,542**	Teso	39.7	245,144
Garissa	38.4	397,768	Vihiga	28.5	605,504
Mandera	4.6	306,932	Butere/Mumias	29.1	577,956
Wajir	18.3	388,843			

Table 5.6: **Proportion of Children (0 -59 Months) who Slept under a Bed Net by Region**

Region / Sex	Untreated	Treated	Total Count	Region	Untreated	Treated	Total Count
National	**34.5**	**24.2**	**5,136,214**	**North Eastern**	**23.5**	**5.1**	**180,449**
				Garissa	35.1	12.3	61,699
Rural	30.8	21.6	4,129,900	Mandera	5.4	0.7	62,509
Urban	49.7	34.9	1,006,314	Wajir	30.9	2.0	56,241
Male	35.3	24.8	2,566,825	**Nyanza**	**55.3**	**44.6**	**722,874**
Female	33.7	23.5	2,569,389	Gucha	47.2	37.9	60,828
				Homa Bay	48.3	39.8	46,998
0 - 5 Months	42.8	29.7	678,290	Kisii	45.1	40.4	83,844
6 - 11 Months	37.4	27.6	403,477	Kisumu	67.4	56.9	78,761
12 - 23 Months	36.9	26.6	1,006,733	Kuria	51.3	40.1	33,420
24 - 35 Months	35.0	22.9	1,061,387	Migori	53.9	36.5	101,070
36 - 47 Months	30.1	21.7	1,040,786	Nyamira	54.2	50.8	85,678
48 - 59 Months	28.9	20.3	945,542	Rachuonyo	53.0	35.5	49,725
				Siaya	55.5	43.8	73,600
Nairobi	**41.8**	**26.6**	**376,324**	Suba	48.2	43.4	24,827
				Bondo	71.3	52.2	31,520
Central	**20.0**	**10.2**	**473,732**	Nyando	71.4	59.1	52,605
Kiambu	13.3	4.5	108,910				
Kirinyaga	47.4	27.3	62,395	**Rift Valley**	**24.1**	**18.6**	**1,239,281**
Murang'a	16.0	11.8	29,665	Baringo	34.0	28.0	52,637
Nyandarua	1.6	1.6	58,314	Bomet	33.9	33.8	57,980
Nyeri	11.3	7.0	69,956	Keiyo	12.9	9.8	26,978
Thika	31.5	14.6	92,479	Kajiado	34.3	24.3	80,682
Maragua	15.0	6.8	52,013	Kericho	34.9	33.8	79,382
				Koibatek	29.9	21.1	22,844
Coast	**51.8**	**30.4**	**457,388**	Laikipia	17.3	9.1	46,615
Kilifi	59.3	30.1	82,715	Marakwet	8.7	6.3	23,956
Kwale	43.6	25.2	126,339	Nakuru	14.5	8.8	190,758
Lamu	53.2	29.5	12,088	Nandi	31.2	29.4	100,411
Mombasa	60.1	46.0	106,287	Narok	3.1	2.3	78,011
Taita Taveta	51.7	26.5	30,560	Samburu	3.4	1.1	32,154
Tana River	49.4	15.0	43,459	Trans Mara	45.3	29.7	37,710
Malindi	44.8	27.5	55,940	Trans Nzoia	25.7	20.6	103,911
				Turkana	7.7	1.2	86,194
Eastern	**28.1**	**17.8**	**769,812**	Uasin Gishu	41.8	27.6	100,193
Embu	32.7	21.6	36,022	West Pokot	32.1	26.5	58,240
Isiolo	50.0	25.3	18,472	Buret	20.1	18.1	60,625
Kitui	14.7	9.1	105,310				
Makueni	17.6	11.2	121,481	**Western**	**38.6**	**31.6**	**676,222**
Machakos	34.8	18.2	169,629	Bungoma	43.3	35.0	176,386
Marsabit	4.7	0.0	19,002	Busia	42.1	28.4	84,385
Mbeere	46.0	32.2	28,786	Mt. Elgon	14.9	13.6	41,113
Meru Central	27.9	20.6	67,252	Kakamega	34.7	28.8	108,702
Moyale	45.5	13.6	10,404	Lugari	35.7	31.9	37,431
Mwingi	19.9	11.7	58,169	Teso	54.4	45.7	43,019
Meru North	27.2	22.9	92,765	Vihiga	29.3	27.5	92,395
Tharaka	57.7	42.1	18,484	Butere/Mumias	44.3	36.4	92,790
Meru South	59.8	43.9	24,036				

Table 5.7: **Percentage distribution of Children (Under five) by Place of delivery**

Region	Hospital	Health Centre	Dispensary / Clinic	Maternity Home	At Home	Other	Do not Know	Total Count
Kenya	**27.0**	**6.3**	**2.8**	**3.0**	**53.9**	**1.1**	**5.4**	**5,136,214**
Rural	23.5	5.6	2.3	1.2	60.8	1.2	5.0	4,129,900
Urban	41.2	9.3	4.9	10.8	25.7	0.7	7.1	1,006,314
Male	27.6	6.2	3.1	3.4	53.9	1.0	4.7	2,566,825
Female	26.4	6.5	2.6	2.7	54.0	1.3	6.1	2,569,389
Nairobi	**30.0**	**13.5**	**7.9**	**25.6**	**21.6**	**0.0**	**0.9**	**376,324**
Central	**59.5**	**8.1**	**1.3**	**2.9**	**27.0**	**0.3**	**0.7**	**473,732**
Kiambu	73.3	5.3	1.0	2.3	17.3	0.0	0.0	108,910
Kirinyaga	72.0	11.7	2.0	2.0	12.4	0.0	0.0	62,395
Murang'a	39.3	10.4	0.4	0.4	49.4	0.0	0.0	29,665
Nyandarua	43.4	17.2	3.8	1.8	33.8	0.0	0.0	58,314
Nyeri	70.2	11.2	0.4	3.8	12.5	0.0	1.9	69,956
Thika	49.9	3.2	0.5	4.7	38.4	1.2	2.0	92,479
Maragua	47.9	2.7	1.5	3.2	43.9	0.8	0.0	52,013
Coast	**22.6**	**5.4**	**3.1**	**0.6**	**67.1**	**0.9**	**0.3**	**457,388**
Kilifi	12.8	3.0	0.0	0.0	84.2	0.0	0.0	82,715
Kwale	13.2	4.2	3.6	0.3	77.2	1.3	0.0	126,339
Lamu	28.1	3.9	0.1	0.0	67.9	0.0	0.0	12,088
Mombasa	44.1	10.4	8.6	1.1	34.1	1.7	0.0	106,287
Taita Taveta	36.0	9.1	1.5	0.0	53.4	0.0	0.0	30,560
Tana River	19.5	1.8	0.0	2.4	75.9	0.0	0.4	43,459
Malindi	11.3	3.4	0.0	0.0	82.1	1.2	2.1	55,940
Eastern	**30.1**	**3.7**	**1.3**	**2.5**	**58.9**	**1.5**	**0.7**	**769,812**
Embu	67.6	7.9	5.1	0.3	18.6	0.0	0.5	36,022
Isiolo	25.1	2.3	1.6	0.0	68.7	0.4	1.1	18,472
Kitui	13.4	4.6	0.0	0.0	80.8	0.0	0.0	105,310
Makueni	9.7	1.7	1.9	1.1	83.6	1.3	0.6	121,481
Machakos	19.2	0.1	1.9	8.0	66.4	3.2	0.0	169,629
Marsabit	12.0	0.9	1.6	1.8	82.0	0.0	0.0	19,002
Mbeere	29.8	7.2	1.8	0.0	58.7	1.9	0.6	28,786
Meru Central	68.6	4.9	0.0	1.8	16.8	1.6	1.6	67,252
Moyale	19.4	0.0	0.0	0.0	80.6	0.0	0.0	10,404
Mwingi	26.9	8.8	1.3	0.0	61.6	1.4	0.0	58,169
Meru North	55.0	4.0	0.0	3.3	32.4	1.0	3.4	92,765
Tharaka	20.8	4.3	4.7	0.0	64.8	4.5	0.9	18,484
Meru South	63.1	11.3	0.0	0.0	20.5	2.4	0.0	24,036
North Eastern	**10.2**	**0.6**	**0.7**	**0.2**	**86.1**	**0.2**	**2.0**	**180,449**
Garissa	22.3	0.0	0.0	0.3	77.0	0.0	0.0	61,699
Mandera	4.6	1.0	1.8	0.0	86.4	0.6	5.7	62,509
Wajir	3.1	0.7	0.1	0.3	95.8	0.0	0.0	56,241
Nyanza	**28.3**	**11.0**	**6.8**	**0.6**	**49.7**	**2.2**	**1.3**	**722,874**
Gucha	25.2	13.2	16.0	0.0	38.0	0.0	7.4	60,828
Homa Bay	28.4	9.1	8.6	0.0	52.7	0.0	1.2	46,998
Kisii	27.6	15.9	16.6	1.0	38.0	0.0	0.9	83,844
Kisumu	40.6	9.1	0.0	1.1	45.9	0.9	2.4	78,761
Kuria	19.3	8.6	5.6	0.0	65.8	0.6	0.0	33,420
Migori	12.5	10.7	7.3	1.2	56.5	10.9	0.5	101,070
Nyamira	39.7	12.1	9.6	1.0	36.8	0.0	0.9	85,678
Rachuonyo	22.1	9.3	0.0	0.1	68.6	0.0	0.0	49,725
Siaya	29.8	15.5	1.6	0.3	51.2	1.7	0.0	73,600
Suba	34.2	11.7	1.4	0.0	50.7	0.9	1.0	24,827
Bondo	42.3	1.4	3.5	1.8	49.4	0.5	1.0	31,520
Nyando	24.9	6.3	2.0	0.0	61.7	4.0	0.0	52,605

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Table 5.7: **Contd...**

Region	Hospital	Health Centre	Dispensary / Clinic	Maternity Home	At Home	Other	Do not Know	Total Count
Rift Valley	**25.1**	**5.2**	**2.1**	**1.2**	**65.2**	**0.7**	**0.2**	**1,239,281**
Baringo	17.9	19.7	1.2	0.0	58.0	1.7	0.0	52,637
Bomet	20.0	4.6	0.9	0.0	72.0	2.4	0.0	57,980
Keiyo	42.6	12.7	1.1	1.1	42.6	0.0	0.0	26,978
Kajiado	23.8	9.7	1.8	6.0	58.7	0.0	0.0	80,682
Kericho	42.5	2.9	3.0	0.0	48.0	1.7	0.0	79,382
Koibatek	29.4	2.2	0.0	2.9	65.5	0.0	0.0	22,844
Laikipia	29.0	10.2	3.8	0.0	57.0	0.0	0.0	46,615
Marakwet	13.1	3.4	1.2	0.0	82.3	0.0	0.0	23,956
Nakuru	45.8	5.7	0.4	1.9	44.7	1.5	0.0	190,758
Nandi	21.8	3.2	3.2	0.0	71.6	0.0	0.0	100,411
Narok	19.6	1.6	2.7	2.1	72.2	1.3	0.0	78,011
Samburu	7.4	8.4	2.1	0.7	80.9	0.6	0.0	32,154
Trans Mara	9.2	0.2	4.6	0.0	84.8	0.6	0.0	37,710
Trans Nzoia	19.1	2.3	1.5	0.3	74.0	1.0	1.7	103,911
Turkana	4.5	1.4	1.9	0.0	92.3	0.0	0.0	86,194
Uasin Gishu	21.3	4.7	4.4	3.4	65.0	0.0	1.2	100,193
West Pokot	13.0	1.2	0.7	0.0	85.1	0.0	0.0	58,240
Buret	30.9	7.3	4.5	0.0	57.3	0.0	0.0	60,625
Western	**18.1**	**5.6**	**1.4**	**0.6**	**70.8**	**2.3**	**1.2**	**676,222**
Bungoma	14.8	1.6	0.1	1.9	75.6	2.6	3.4	176,386
Busia	12.0	16.2	2.7	0.2	68.0	0.6	0.0	84,385
Mt. Elgon	13.9	4.9	1.4	0.0	78.4	1.1	0.0	41,113
Kakamega	26.7	4.4	2.7	0.0	61.0	4.9	0.0	108,702
Lugari	21.7	2.6	4.8	0.0	65.1	4.6	1.2	37,431
Teso	12.7	8.8	0.4	0.6	76.4	0.4	0.0	43,019
Vihiga	25.4	3.0	0.9	0.0	69.8	0.1	0.8	92,395
Butere/Mumias	15.1	7.5	0.8	0.0	72.6	2.8	1.2	92,790

Table 5.8: **Percentage distribution of Children (0-59 Months) by Assistance during Delivery**

Region / Sex	Doctor	Midwife/ Nurse	TBA*	Trained TBA	Self	Other	Do not Know	Total Count
Kenya	**10.5**	**28.5**	**27.4**	**11.7**	**7.3**	**8.4**	**5.1**	**5,136,214**
Rural	7.7	25.0	31.6	12.8	8.2	9.0	4.7	4,129,900
Urban	21.8	43.0	10.6	7.3	3.5	6.0	6.9	1,006,314
Male	11.3	28.5	27.5	11.3	7.5	8.7	4.4	2,566,825
Female	9.6	28.6	27.4	12.1	7.1	8.1	5.8	2,569,389
Nairobi	**26.5**	**45.4**	**11.0**	**8.8**	**4.1**	**2.7**	**0.9**	**376,324**
Central	**17.9**	**53.6**	**7.0**	**3.1**	**7.1**	**10.2**	**0.2**	**473,732**
Kiambu	12.2	68.2	3.1	0.0	8.7	6.2	0.0	108,910
Kirinyaga	18.8	68.8	10.4	0.0	0.0	2.0	0.0	62,395
Murang'a	28.7	24.1	15.6	6.6	8.0	17.0	0.0	29,665
Nyandarua	16.0	50.2	16.9	5.1	9.8	2.0	0.0	58,314
Nyeri	20.8	64.7	6.9	0.0	5.7	0.0	0.0	69,956
Thika	20.1	38.2	3.5	6.4	8.0	21.1	1.0	92,479
Maragua	16.4	37.6	1.3	6.9	8.9	27.6	0.0	52,013
Coast	**5.9**	**26.6**	**41.1**	**5.7**	**4.1**	**16.5**	**0.2**	**457,388**
Kilifi	4.5	10.7	72.8	3.5	4.3	4.4	0.0	82,715
Kwale	3.0	18.6	42.0	9.5	9.1	17.8	0.0	126,339
Lamu	5.3	24.4	39.3	24.7	2.2	4.2	0.0	12,088
Mombasa	13.2	54.2	8.2	4.3	0.0	20.1	0.0	106,287
Taita Taveta	6.6	43.0	3.2	2.5	5.2	39.6	0.0	30,560
Tana River	1.0	22.2	70.0	5.6	0.8	0.0	0.4	43,459
Malindi	4.7	10.4	53.1	0.3	2.6	27.4	1.5	55,940
Eastern	**14.5**	**23.6**	**31.7**	**15.7**	**5.4**	**6.6**	**0.5**	**769,812**
Embu	20.9	62.5	8.3	0.0	4.1	3.9	0.0	36,022
Isiolo	0.0	28.4	48.4	7.6	9.0	3.3	1.1	18,472
Kitui	6.7	11.5	66.2	3.6	5.6	5.2	0.0	105,310
Makueni	5.8	12.6	30.1	28.0	9.8	13.7	0.0	121,481
Machakos	11.4	18.4	21.4	37.0	4.4	3.5	0.0	169,629
Marsabit	2.2	12.2	58.7	21.7	1.8	1.6	0.0	19,002
Mbeere	11.8	27.0	17.1	27.4	7.5	8.6	0.6	28,786
Meru Central	53.1	20.2	12.4	2.1	1.1	3.2	0.0	67,252
Moyale	15.6	2.0	72.2	9.6	0.6	0.0	0.0	10,404
Mwingi	8.2	26.1	52.1	0.0	7.0	6.6	0.0	58,169
Meru North	23.4	38.8	19.7	4.0	4.5	5.1	3.4	92,765
Tharaka	3.2	26.6	36.7	0.7	9.5	23.2	0.1	18,484
Meru South	9.6	64.8	10.3	1.7	0.0	10.9	0.0	24,036
North Eastern	**1.6**	**10.7**	**79.0**	**3.2**	**2.3**	**1.1**	**2.0**	**180,449**
Garissa	3.0	19.2	76.0	1.4	0.0	0.0	0.0	61,699
Mandera	1.6	8.2	74.1	7.3	2.8	0.3	5.7	62,509
Wajir	0.1	4.1	87.7	0.8	4.2	3.1	0.0	56,241
Nyanza	**8.9**	**36.9**	**25.6**	**14.2**	**7.3**	**5.3**	**1.0**	**722,874**
Gucha	0.1	47.1	26.6	15.8	3.0	0.0	7.4	60,828
Homa Bay	5.7	33.7	28.1	19.4	8.3	4.7	0.0	46,998
Kisii	9.3	51.0	11.3	3.5	4.1	20.0	0.0	83,844
Kisumu	23.8	25.8	19.6	15.7	8.7	0.0	2.4	78,761
Kuria	2.0	28.4	35.2	20.1	13.5	0.8	0.0	33,420
Migori	5.3	31.2	23.1	27.8	11.5	0.8	0.0	101,070
Nyamira	10.5	45.9	24.8	9.1	4.2	4.6	0.9	85,678
Rachuonyo	6.7	21.6	43.7	14.7	6.5	5.5	0.0	49,725
Siaya	11.8	39.4	18.4	8.6	13.7	6.5	0.0	73,600
Suba	8.8	49.0	28.2	5.1	6.7	1.2	0.0	24,827
Bondo	9.8	39.3	16.7	24.3	3.5	5.5	0.0	31,520
Nyando	4.7	27.3	50.6	6.4	1.3	8.6	0.0	52,605

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Table 5.8: **Contd...**

Region / Sex	Doctor	Midwife/ Nurse	TBA*	Trained TBA	Self	Other	Do not Know	Total Count
Rift Valley	**8.4**	**27.1**	**36.8**	**8.0**	**7.3**	**11.7**	**0.1**	**1,239,281**
Baringo	14.0	25.2	53.2	6.0	0.0	0.0	0.0	52,637
Bomet	9.3	12.6	36.2	0.0	0.0	41.9	0.0	57,980
Keiyo	11.5	43.1	43.3	2.1	0.0	0.0	0.0	26,978
Kajiado	9.3	32.0	53.1	3.6	2.0	0.0	0.0	80,682
Kericho	16.2	30.8	31.3	3.0	0.8	15.9	0.0	79,382
Koibatek	2.8	33.6	42.6	4.1	0.9	16.0	0.0	22,844
Laikipia	6.3	36.7	43.8	3.3	9.0	0.8	0.0	46,615
Marakwet	3.9	13.8	78.1	2.1	0.0	2.1	0.0	23,956
Nakuru	18.6	33.8	1.9	2.6	13.0	28.4	0.0	190,758
Nandi	5.5	45.5	26.7	10.6	2.0	9.5	0.0	100,411
Narok	3.0	22.9	45.4	13.1	0.9	14.1	0.0	78,011
Samburu	5.1	14.1	44.1	5.4	6.6	24.6	0.0	32,154
Trans Mara	0.5	11.3	45.4	11.7	10.0	20.5	0.0	37,710
Trans Nzoia	10.0	12.4	23.7	40.5	9.1	2.6	1.2	103,911
Turkana	0.0	7.7	48.9	0.3	43.1	0.0	0.0	86,194
Uasin Gishu	1.0	33.2	54.0	6.4	1.9	2.3	0.0	100,193
West Pokot	0.0	14.9	69.6	10.1	0.9	4.5	0.0	58,240
Buret	10.4	45.1	32.5	0.9	1.6	9.4	0.0	60,625
Western	**6.5**	**17.2**	**17.8**	**29.4**	**17.5**	**9.4**	**0.3**	**676,222**
Bungoma	5.1	10.4	16.9	33.3	24.3	6.5	0.6	176,386
Busia	5.2	18.2	18.4	32.4	18.5	1.5	0.0	84,385
Mt. Elgon	5.1	9.7	16.8	59.3	6.1	0.9	0.0	41,113
Kakamega	9.2	25.5	26.3	14.6	14.8	9.2	0.0	108,702
Lugari	12.4	17.0	20.0	22.6	18.7	8.2	0.0	37,431
Teso	3.6	20.0	20.3	24.9	19.7	10.8	0.0	43,019
Vihiga	9.8	18.4	7.9	24.0	18.8	19.4	0.9	92,395
Butere/Mumias	3.7	20.1	16.9	33.4	8.8	15.6	0.0	92,790

*TBA- Traditional Birth Attendant

Table 5.9: **Immunisation Rates of Children (12 -23 Months)**

Region / Sex	Vaccination Card	BCG	POLIO B	POLIO 1	POLIO 2	POLIO 3	DPT 1	DPT 2	DPT 3 3	MEASLES	All vacci-nations	Total Count
Kenya	**64.2**	**91.2**	**75.5**	**90.0**	**87.4**	**77.6**	**89.2**	**85.9**	**80.3**	**76.7**	**65.9**	**1,006,733**
Rural	64.6	91.3	73.8	89.7	86.7	77.6	89.3	85.6	79.3	74.7	64.8	808,212
Urban	62.5	91.1	82.6	91.0	90.4	77.4	89.0	87.2	84.2	84.9	70.2	198,520
Male	66.5	91.0	76.2	90.1	87.6	78.1	89.0	85.4	80.7	77.3	67.5	518,188
Female	61.6	91.5	74.8	89.8	87.2	77.0	89.5	86.5	79.8	76.1	64.1	488,545
Nairobi	**63.0**	**97.6**	**95.3**	**95.3**	**97.3**	**72.6**	**92.7**	**90.6**	**88.3**	**88.0**	**67.4**	**68,782**
Central	**69.9**	**95.9**	**92.5**	**92.9**	**91.3**	**92.1**	**94.3**	**94.4**	**93.7**	**91.7**	**82.7**	**87,528**
Kiambu	48.7	100.0	100.0	90.8	90.8	90.8	100.0	100.0	100.0	100.0	90.8	26,142
Kirinyaga	86.9	100.0	94.8	100.0	92.8	98.5	100.0	92.8	100.0	85.2	83.7	14,721
Murang'a	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	61.9	61.9	3,833
Nyandarua	55.6	100.0	82.2	100.0	100.0	93.6	100.0	100.0	93.6	93.6	93.6	8,184
Nyeri	79.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	9,202
Thika	78.8	85.7	85.7	85.7	79.5	81.8	78.7	85.7	78.8	85.7	61.7	16,878
Maragua	77.1	86.5	77.9	83.6	92.3	92.3	83.6	83.6	83.6	92.3	77.9	8,567
Coast	**65.2**	**96.1**	**68.0**	**95.4**	**92.7**	**85.8**	**92.5**	**90.6**	**88.6**	**82.0**	**75.5**	**89,406**
Kilifi	57.3	90.9	58.4	89.0	84.3	76.5	81.2	76.5	76.5	45.6	45.6	16,117
Kwale	78.0	100.0	61.5	100.0	100.0	92.2	94.3	100.0	96.7	93.8	83.1	22,660
Lamu	82.6	100.0	78.6	94.2	88.4	74.0	94.2	88.4	81.4	82.0	73.4	2,462
Mombasa	60.5	96.5	81.1	96.5	96.2	90.1	96.5	96.2	96.2	96.2	90.1	21,923
Taita Taveta	65.8	100.0	75.5	89.4	88.0	82.6	88.0	76.4	76.4	84.9	70.9	5,813
Tana River	39.0	96.5	92.8	92.8	89.8	89.8	93.5	91.3	82.9	85.1	82.9	7,263
Malindi	71.3	92.4	50.3	97.6	89.1	80.5	97.6	89.1	87.0	79.4	72.8	13,170
Eastern	**73.4**	**94.3**	**69.8**	**91.5**	**86.7**	**80.4**	**93.3**	**87.4**	**82.2**	**75.8**	**67.3**	**153,807**
Embu	67.9	100.0	92.4	100.0	100.0	100.0	100.0	100.0	100.0	91.2	91.2	6,826
Isiolo	57.4	96.3	69.7	91.2	80.4	62.3	96.3	83.3	83.3	70.2	45.2	3,588
Kitui	64.2	91.0	71.9	91.1	86.5	75.0	93.4	87.0	79.6	69.9	58.5	25,300
Makueni	80.5	94.6	50.2	94.6	94.6	86.7	94.6	94.6	93.9	82.5	75.2	33,607
Machakos	70.3	100.0	77.1	100.0	94.9	94.1	100.0	94.9	94.9	89.8	89.8	23,887
Marsabit	64.8	89.8	44.8	85.9	81.4	76.0	86.3	77.9	69.0	85.9	63.6	3,828
Mbeere	65.0	96.5	74.9	96.5	96.5	92.8	96.5	91.6	88.7	96.5	85.0	5,344
Meru Central	81.1	100.0	81.8	100.0	100.0	98.8	87.5	89.8	89.8	85.3	62.6	8,761
Moyale	79.4	94.0	78.7	91.6	91.6	89.8	91.6	91.6	91.6	67.8	66.0	2,350
Mwingi	70.3	88.1	75.2	84.3	82.5	72.0	90.4	82.5	72.0	74.4	65.3	12,429
Meru North	77.5	94.2	79.0	78.3	56.6	51.8	88.7	67.7	47.4	42.2	31.7	19,040
Tharaka	96.4	92.5	52.4	80.6	76.2	65.4	88.2	75.9	72.7	53.5	48.9	3,805
Meru South	78.3	81.9	78.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	5,043
North Eastern	**15.1**	**58.7**	**42.5**	**57.2**	**58.1**	**28.9**	**59.3**	**44.6**	**29.4**	**58.0**	**20.6**	**31,779**
Garissa	28.7	65.8	50.4	57.4	62.1	34.9	65.8	57.4	40.0	62.1	21.8	11,338
Mandera	10.3	30.9	21.2	27.3	24.5	10.3	33.1	16.3	14.8	33.1	7.6	9,524
Wajir	5.2	75.5	53.0	83.1	83.1	38.9	75.5	55.9	31.0	75.5	30.6	10,917
Nyanza	**69.7**	**91.5**	**80.0**	**90.2**	**85.7**	**74.6**	**86.3**	**82.9**	**73.3**	**64.6**	**55.8**	**163,212**
Gucha	74.6	79.6	55.2	92.2	85.8	74.8	70.6	66.1	66.1	56.8	35.1	13,990
Homa Bay	60.8	100.0	87.1	94.8	86.6	81.9	86.6	86.6	81.9	81.9	81.9	11,407
Kisii	67.2	100.0	94.7	100.0	94.9	84.6	94.4	94.4	86.2	65.8	62.6	24,520
Kisumu	96.2	80.5	84.4	100.0	96.2	92.5	84.3	96.2	73.3	81.8	34.6	13,271
Kuria	70.1	86.8	40.0	86.2	80.0	77.3	81.3	85.4	73.8	62.5	51.6	6,406
Migori	57.9	81.8	73.3	70.1	66.9	51.9	80.8	68.0	50.2	36.4	35.4	24,607
Nyamira	61.6	100.0	100.0	100.0	100.0	94.6	100.0	95.0	95.0	86.9	86.5	23,273
Rachuonyo	62.8	86.5	53.0	68.7	56.0	34.6	64.9	52.1	33.5	40.1	28.7	9,147
Siaya	83.4	96.1	96.1	89.4	84.8	72.1	89.4	84.8	83.8	65.9	60.7	14,281
Suba	56.2	86.7	74.6	77.9	64.0	42.5	66.2	56.4	44.5	50.4	33.0	5,193

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Table 5.9: **Contd...**

Region / Sex	Vaccination Card	BCG	POLIO B	POLIO 1	POLIO 2	POLIO 3	DPT 1	DPT 2	DPT 3 3	MEASLES	All vacci-nations	Total Count
Bondo	46.9	86.3	73.5	86.3	86.3	60.9	86.3	86.3	62.1	69.1	57.9	4,493
Nyando	90.0	100.0	70.8	100.0	100.0	85.5	97.7	97.7	85.5	72.6	72.6	12,626
Rift Valley	**64.7**	**94.0**	**77.7**	**93.5**	**91.5**	**80.2**	**93.3**	**90.5**	**84.3**	**80.2**	**67.1**	**249,115**
Baringo	82.9	96.7	92.6	96.7	96.7	96.7	96.7	96.7	96.7	78.4	78.4	9,699
Bomet	58.9	100.0	90.9	99.6	99.6	93.1	100.0	92.1	91.7	99.2	85.2	11,555
Keiyo	40.0	100.0	100.0	100.0	100.0	84.2	100.0	100.0	100.0	95.2	79.4	4,012
Kajiado	72.8	96.5	73.8	93.0	89.1	75.0	89.1	93.0	89.1	77.9	71.6	17,091
Kericho	86.0	98.0	91.5	93.5	93.5	87.0	98.0	98.0	94.4	98.0	87.0	14,645
Koibatek	84.7	95.8	95.8	95.8	95.8	91.5	95.8	91.5	91.5	95.8	91.5	4,292
Laikipia	49.4	100.0	86.4	94.6	100.0	90.3	95.6	95.6	91.2	76.9	71.6	9,578
Marakwet	68.1	94.7	79.7	100.0	94.7	74.0	100.0	89.4	79.3	84.0	68.7	5,033
Nakuru	70.7	90.6	77.9	94.1	91.2	86.4	95.3	86.1	86.6	78.9	70.5	46,289
Nandi	70.2	96.2	96.2	94.2	95.2	63.4	96.2	95.2	87.4	77.0	58.0	14,317
Narok	69.3	100.0	58.3	100.0	97.6	69.2	98.4	98.4	81.3	76.2	46.4	19,695
Samburu	80.6	96.8	90.4	96.8	93.4	93.4	96.8	96.8	93.4	89.6	89.6	5,902
Trans Mara	79.5	90.6	43.0	100.0	89.6	66.8	100.0	86.6	71.5	53.8	42.5	6,692
Trans Nzoia	48.9	89.9	66.7	90.8	88.5	78.3	87.7	85.4	81.5	77.1	60.7	27,931
Turkana	74.0	83.8	62.0	74.2	74.2	74.2	74.2	74.2	65.7	42.0	38.4	9,396
Uasin Gishu	51.7	96.5	77.7	92.3	92.3	80.5	96.5	96.0	80.3	86.4	69.6	24,809
West Pokot	17.4	72.6	59.3	73.4	59.0	42.0	60.9	59.0	38.8	75.2	35.2	9,077
Buret	70.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.2	90.4	89.5	9,104
Western	**63.2**	**93.6**	**75.1**	**93.9**	**91.2**	**83.2**	**93.3**	**90.3**	**84.1**	**82.4**	**75.8**	**143,384**
Bungoma	50.5	85.3	88.2	89.2	88.4	87.7	92.5	88.6	83.2	79.9	77.9	32,825
Busia	98.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	13,526
Mt. Elgon	42.3	88.7	42.0	95.6	84.3	72.4	84.7	84.7	75.2	62.0	59.2	7,931
Kakamega	65.2	89.0	58.0	83.9	77.8	70.3	89.0	81.1	77.4	72.1	59.9	25,873
Lugari	75.3	100.0	78.9	100.0	100.0	96.0	100.0	100.0	99.6	83.8	83.3	8,857
Teso	67.4	96.5	88.7	97.3	97.3	93.1	96.5	96.5	96.5	96.3	90.3	9,387
Vihiga	56.8	100.0	74.4	99.2	99.2	80.2	100.0	95.8	89.3	87.4	80.2	22,258
Butere/Mumias	65.3	99.3	66.6	99.3	94.3	79.4	88.4	88.4	71.1	83.8	69.7	22,727

Table 5.10: **Proportion of Children (0-59 months) who suffered from Diarrhoea**

Region / Sex	Percent	Total Count	Region	Percent	Total Count
Kenya	**10.7**	**5,136,214**	**North Eastern**	**6.5**	**180,449**
			Garissa	2.1	61,699
Rural	11.0	4,129,900	Mandera	7.6	62,509
Urban	9.6	1,006,314	Wajir	10.2	56,241
Male	10.7	2,566,825	**Nyanza**	**18.0**	**722,874**
Female	10.7	2,569,389	Gucha	9.8	60,828
			Homa Bay	19.4	46,998
0 - 5 Months	8.6	678,290	Kisii	11.9	83,844
6 - 11 Months	19.3	403,477	Kisumu	15.9	78,761
12 - 23 Months	18.3	1,006,733	Kuria	8.2	33,420
24 - 35 Months	10.3	1,061,387	Migori	21.9	101,070
36 - 47 Months	7.2	1,040,786	Nyamira	18.6	85,678
48 - 59 Months	4.9	945,542	Rachuonyo	18.5	49,725
			Siaya	15.2	73,600
Nairobi	**8.1**	**376,324**	Suba	27.7	24,827
			Bondo	18.6	31,520
Central	5.2	473,732	Nyando	35.0	52,605
Kiambu	4.0	108,910			
Kirinyaga	0.0	62,395	**Rift Valley**	**10.0**	**1,239,281**
Murang'a	0.8	29,665	Baringo	19.3	52,637
Nyandarua	8.1	58,314	Bomet	5.6	57,980
Nyeri	0.0	69,956	Keiyo	5.2	26,978
Thika	8.3	92,479	Kajiado	5.9	80,682
Maragua	14.7	52,013	Kericho	10.9	79,382
			Koibatek	7.1	22,844
Coast	**9.0**	**457,388**	Laikipia	0.9	46,615
Kilifi	10.5	82,715	Marakwet	11.6	23,956
Kwale	9.9	126,339	Nakuru	17.8	190,758
Lamu	12.6	12,088	Nandi	10.9	100,411
Mombasa	2.1	106,287	Narok	8.7	78,011
Taita Taveta	15.3	30,560	Samburu	9.8	32,154
Tana River	8.8	43,459	Trans Mara	10.8	37,710
Malindi	13.6	55,940	Trans Nzoia	15.3	103,911
			Turkana	0.0	86,194
Eastern	**12.6**	**769,812**	Uasin Gishu	6.4	100,193
Embu	13.8	36,022	West Pokot	7.2	58,240
Isiolo	29.1	18,472	Buret	9.4	60,625
Kitui	11.2	105,310			
Makueni	18.0	121,481	**Western**	**13.7**	**676,222**
Machakos	15.8	169,629	Bungoma	12.5	176,386
Marsabit	6.7	19,002	Busia	3.9	84,385
Mbeere	11.3	28,786	Mt. Elgon	12.0	41,113
Meru Central	3.4	67,252	Kakamega	13.8	108,702
Moyale	16.3	10,404	Lugari	7.2	37,431
Mwingi	6.1	58,169	Teso	12.8	43,019
Meru North	10.8	92,765	Vihiga	20.1	92,395
Tharaka	11.4	18,484	Butere/Mumias	22.0	92,790
Meru South	9.0	24,036			

Table 5.11: **Percentage distribution of Children (0 -59 Months) by type of Food given during Diarrhoea**

Region / Sex / Age	Nothing	Semi - Solid* Food	Other Semi-Solid Food	Fruits	Other	Total Count
Kenya	**27.1**	**6.5**	**51.8**	**8.4**	**6.2**	**551,604**
Rural	27.3	6.4	52.5	7.5	6.2	455,475
Urban	26.3	6.8	48.7	12.5	5.7	96,129
Male	25.8	5.4	51.3	10.3	7.1	275,501
Female	28.5	7.6	52.4	6.4	5.2	276,103
0 - 5 Months	64.7	1.3	19.6	8.1	6.3	58,469
6 - 11 Months	26.6	3.6	60.5	3.7	5.5	77,950
12 - 23 Months	22.4	6.3	58.1	7.8	5.4	184,486
24 - 35 Months	22.7	9.1	54.8	7.3	6.1	109,666
36 - 47 Months	19.4	10.0	46.7	17.5	6.3	75,140
48 - 59 Months	22.4	6.9	54.7	6.1	10.0	45,893
Nairobi	**18.8**	**15.0**	**53.0**	**13.3**	**0.0**	**30,304**
Central	**45.5**	**0.0**	**41.4**	**13.1**	**0.0**	**24,607**
Kiambu	97.1	0.0	2.9	0.0	0.0	4,343
Murang'a	0.0	0.0	100.0	0.0	0.0	242
Nyandarua	50.6	0.0	19.3	30.2	0.0	4,706
Thika	30.3	0.0	46.3	23.5	0.0	7,687
Maragua	29.9	0.0	70.1	0.0	0.0	7,628
Coast	**18.8**	**2.0**	**59.4**	**9.3**	**10.5**	**41,104**
Kilifi	12.4	0.0	54.9	26.9	5.7	8,664
Kwale	16.0	0.0	72.3	0.0	11.7	12,493
Lamu	34.9	8.0	51.4	0.0	5.7	1,525
Mombasa	0.0	0.0	0.0	0.0	100.0	2,277
Taita Taveta	46.2	0.0	53.8	0.0	0.0	4,688
Tana River	36.1	0.0	56.4	7.4	0.0	3,828
Malindi	7.3	9.2	67.8	15.8	0.0	7,627
Eastern	**22.1**	**2.0**	**62.4**	**6.4**	**7.1**	**97,193**
Embu	30.4	18.6	47.3	0.0	3.6	4,954
Isiolo	50.4	5.2	30.8	13.6	0.0	5,369
Kitui	13.8	0.0	77.4	0.0	8.8	11,825
Makueni	17.6	0.0	62.5	5.3	14.6	21,899
Machakos	15.7	0.4	71.6	12.3	0.0	26,841
Marsabit	58.5	26.8	0.0	14.7	0.0	1,267
Mbeere	43.4	6.0	50.6	0.0	0.0	3,249
Meru Central	0.0	0.0	83.7	16.3	0.0	2,256
Moyale	53.7	0.0	46.3	0.0	0.0	1,691
Mwingi	20.7	0.0	66.4	0.0	12.9	3,521
Meru North	30.3	0.0	49.5	0.0	20.2	10,046
Tharaka	35.8	4.9	59.4	0.0	0.0	2,104
Meru South	0.0	0.0	80.1	19.9	0.0	2,173
North Eastern	**78.4**	**3.9**	**14.3**	**0.0**	**3.4**	**11,759**
Garissa	32.3	35.3	16.2	0.0	16.2	1,298
Mandera	91.9	0.0	4.2	0.0	3.9	4,746
Wajir	77.7	0.0	22.3	0.0	0.0	5,716
Nyanza	**31.1**	**6.7**	**47.9**	**8.7**	**5.6**	**129,953**
Gucha	24.2	9.8	49.8	16.2	0.0	5,978
Homa Bay	31.6	0.0	56.6	10.0	1.9	9,138
Kisii	38.8	6.8	54.4	0.0	0.0	9,991
Kisumu	49.8	3.5	23.9	16.8	6.0	12,496
Kuria	47.5	2.9	41.0	4.4	4.3	2,740
Migori	30.0	0.4	66.7	0.0	2.9	22,127
Nyamira	0.6	32.1	62.5	4.8	0.0	15,934
Rachuonyo	15.2	7.7	62.0	0.4	14.7	9,179
Siaya	25.0	7.2	39.6	27.6	0.7	11,193

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Table 5.11: **Contd...**

Region / Sex / Age	Nothing	Semi - Solid* Food	Other Semi-Solid Food	Fruits	Other	Total Count
Suba	10.5	3.6	32.1	6.4	47.4	6,885
Bondo	26.4	0.0	57.7	15.9	0.0	5,875
Nyando	62.7	0.0	22.1	10.5	4.7	18,416
Rift Valley	**32.2**	**2.0**	**51.9**	**9.6**	**4.3**	**124,058**
Baringo	32.2	0.0	27.7	18.6	21.4	10,144
Bomet	64.2	0.0	21.9	0.0	13.9	3,228
Keiyo	54.0	0.0	30.7	15.3	0.0	1,397
Kajiado	36.8	0.0	59.5	3.7	0.0	4,769
Kericho	3.3	0.0	37.8	58.9	0.0	8,653
Koibatek	11.1	0.0	65.9	23.0	0.0	1,611
Laikipia	0.0	0.0	100.0	0.0	0.0	437
Marakwet	50.2	0.0	40.3	9.6	0.0	2,785
Nakuru	37.5	0.0	52.4	6.7	3.5	33,904
Nandi	30.9	1.3	56.0	9.2	2.6	10,948
Narok	13.3	27.5	47.4	0.0	11.9	6,804
Samburu	28.7	0.0	65.3	6.0	0.0	3,147
Trans Mara	60.9	0.0	34.2	0.0	4.9	4,074
Trans Nzoia	38.8	0.0	57.7	2.4	1.1	15,863
Uasin Gishu	19.3	0.0	79.0	1.7	0.0	6,378
West Pokot	19.8	0.0	80.2	0.0	0.0	4,217
Buret	28.9	9.0	62.1	0.0	0.0	5,699
Western	**15.1**	**18.1**	**50.1**	**6.1**	**10.6**	**92,627**
Bungoma	19.7	12.1	43.2	12.9	12.0	22,117
Busia	21.9	3.0	15.3	29.9	29.9	3,294
Mt. Elgon	22.5	9.6	61.6	5.7	0.5	4,948
Kakamega	15.6	4.2	57.7	0.0	22.5	14,979
Lugari	36.4	29.4	34.2	0.0	0.0	2,699
Teso	17.1	20.9	38.2	0.0	23.9	5,527
Vihiga	5.8	30.1	64.1	0.0	0.0	18,614
Butere/Mumias	11.9	26.0	47.5	7.4	7.3	20,450

***Semi-Solid Food** = Commercial Infant/Food/Formula/Yorghut

Table 5.12: **Percentage distribution of Children (0 -59 Months) by type of Fluid given during Diarrhoea and Region**

Region / Sex / Age	Nothing	Breast Milk	Porridge	Water Alone	Milk other than Breast	Other	Not Specified	Total Count
Kenya	**8.0**	**12.9**	**46.7**	**14.3**	**13.0**	**5.0**	**0.1**	**551,604**
Rural	7.7	11.9	49.1	12.2	14.3	4.6	0.2	455,475
Urban	9.2	17.5	35.1	24.5	7.0	6.7	0.0	96,129
Male	6.5	13.4	44.2	16.9	12.8	5.9	0.3	275,501
Female	9.5	12.4	49.1	11.8	13.2	4.0	0.0	276,103
0 - 5 Months	9.0	43.5	20.9	4.7	18.5	3.4	0.0	58,469
6 - 11 Months	4.3	15.3	51.5	5.8	20.1	3.1	0.0	77,950
12 - 23 Months	3.7	16.7	47.5	16.4	10.2	5.3	0.3	184,486
24 - 35 Months	11.5	2.0	48.5	15.8	14.4	7.8	0.0	109,666
36 - 47 Months	13.9	0.8	47.8	27.0	6.8	3.2	0.4	75,140
48 - 59 Months	12.2	0.0	61.6	8.9	12.3	5.0	0.0	45,893
Nairobi	**14.2**	**25.1**	**28.8**	**26.0**	**5.9**	**0.0**	**0.0**	**30,304**
Central	**31.7**	**7.4**	**13.5**	**38.5**	**7.1**	**1.8**	**0.0**	**24,607**
Kiambu	97.1	0.0	2.9	0.0	0.0	0.0	0.0	4,343
Murang'a	0.0	0.0	100.0	0.0	0.0	0.0	0.0	242
Nyandarua	19.3	0.0	10.7	70.0	0.0	0.0	0.0	4,706
Thika	16.6	13.6	13.6	37.2	13.2	5.8	0.0	7,687
Maragua	18.3	10.1	18.4	43.6	9.6	0.0	0.0	7,628
Coast	**1.9**	**8.2**	**71.9**	**3.3**	**7.9**	**5.5**	**1.2**	**41,104**
Kilifi	1.9	0.0	86.0	0.0	6.3	0.0	5.7	8,664
Kwale	0.0	10.4	75.1	5.5	9.1	0.0	0.0	12,493
Lamu	0.0	6.6	43.6	18.5	17.5	13.7	0.0	1,525
Mombasa	0.0	0.0	77.3	0.0	0.0	22.7	0.0	2,277
Taita Taveta	13.2	13.2	38.2	2.5	0.0	33.0	0.0	4,688
Tana River	0.0	30.8	36.4	7.4	25.4	0.0	0.0	3,828
Malindi	0.0	2.3	93.2	0.0	4.6	0.0	0.0	7,627
Eastern	**5.4**	**19.7**	**40.9**	**15.6**	**12.6**	**5.8**	**0.0**	**97,193**
Embu	0.0	25.7	26.4	21.6	22.7	3.6	0.0	4,954
Isiolo	13.9	12.2	23.2	17.1	22.0	11.7	0.0	5,369
Kitui	7.7	11.8	69.4	0.0	11.2	0.0	0.0	11,825
Makueni	6.0	25.2	38.8	26.6	3.3	0.0	0.0	21,899
Machakos	0.0	31.9	38.5	17.3	7.8	4.4	0.0	26,841
Marsabit	0.0	20.3	0.0	79.7	0.0	0.0	0.0	1,267
Mbeere	17.2	14.4	39.7	0.0	8.0	20.7	0.0	3,249
Meru Central	0.0	0.0	16.3	0.0	41.9	41.9	0.0	2,256
Moyale	5.0	41.4	12.3	13.9	27.3	0.0	0.0	1,691
Mwingi	0.0	9.5	66.1	0.0	11.5	12.9	0.0	3,521
Meru North	10.1	0.0	37.7	9.4	35.9	7.0	0.0	10,046
Tharaka	27.4	0.0	29.4	10.7	5.8	26.7	0.0	2,104
Meru South	0.0	0.0	73.3	13.7	0.0	13.0	0.0	2,173
North Eastern	**32.7**	**23.5**	**6.6**	**18.9**	**16.5**	**1.8**	**0.0**	**11,759**
Garissa	16.2	51.5	0.0	16.1	0.0	16.2	0.0	1,298
Mandera	59.9	0.0	4.2	23.8	12.2	0.0	0.0	4,746
Wajir	13.9	36.7	10.1	15.4	23.9	0.0	0.0	5,716
Nyanza	**6.1**	**13.6**	**50.5**	**10.0**	**15.1**	**4.5**	**0.2**	**129,953**
Gucha	9.3	0.0	24.7	14.9	34.9	16.2	0.0	5,978
Homa Bay	0.0	22.8	54.6	0.0	19.8	2.9	0.0	9,138
Kisii	6.8	9.9	54.9	25.5	2.9	0.0	0.0	9,991
Kisumu	18.3	12.4	48.1	7.7	7.1	4.0	2.4	12,496
Kuria	56.4	15.1	28.5	0.0	0.0	0.0	0.0	2,740
Migori	0.0	13.5	67.3	5.3	7.5	6.5	0.0	22,127
Nyamira	7.2	19.4	49.9	12.3	11.2	0.0	0.0	15,934
Rachuonyo	1.3	20.0	53.7	0.4	19.3	5.2	0.0	9,179
Siaya	0.0	10.4	53.9	0.0	35.7	0.0	0.0	11,193

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Table 5.12: **Contd...**

Region / Sex / Age	Nothing	Breast Milk	Porridge	Water Alone	Milk other than Breast	Other	Not Specified	Total Count
Suba	0.0	3.6	61.1	3.2	10.9	21.1	0.0	6,885
Bondo	0.0	8.7	76.2	15.1	0.0	0.0	0.0	5,875
Nyando	8.8	14.9	23.8	23.3	25.1	4.1	0.0	18,416
Rift Valley	**9.2**	**10.5**	**37.8**	**19.7**	**15.7**	**7.1**	**0.0**	**124,058**
Baringo	14.5	3.5	38.6	9.3	21.0	13.0	0.0	10,144
Bomet	35.9	28.3	21.9	0.0	13.9	0.0	0.0	3,228
Keiyo	24.0	0.0	60.6	0.0	15.3	0.0	0.0	1,397
Kajiado	0.0	12.3	0.0	75.4	12.3	0.0	0.0	4,769
Kericho	0.0	0.0	19.8	46.4	33.7	0.0	0.0	8,653
Koibatek	11.1	0.0	21.5	10.5	56.8	0.0	0.0	1,611
Laikipia	0.0	100.0	0.0	0.0	0.0	0.0	0.0	437
Marakwet	0.0	0.0	15.1	19.3	65.6	0.0	0.0	2,785
Nakuru	0.0	17.0	46.1	29.8	0.0	7.1	0.0	33,904
Nandi	27.3	11.5	39.1	1.3	19.4	1.3	0.0	10,948
Narok	11.9	14.3	15.8	9.5	17.9	30.6	0.0	6,804
Samburu	0.0	19.2	41.4	6.0	23.9	9.6	0.0	3,147
Trans Mara	10.4	19.4	49.7	0.0	18.9	1.5	0.0	4,074
Trans Nzoia	21.8	5.7	48.9	5.7	10.3	7.6	0.0	15,863
Turkana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uasin Gishu	0.0	0.0	62.7	0.0	18.0	19.3	0.0	6,378
West Pokot	0.0	0.0	37.6	18.1	44.3	0.0	0.0	4,217
Buret	10.3	8.5	21.7	42.8	16.7	0.0	0.0	5,699
Western	**2.9**	**6.2**	**67.8**	**6.0**	**12.6**	**4.6**	**0.0**	**92,627**
Bungoma	0.0	0.0	80.3	0.9	17.8	0.9	0.0	22,117
Busia	18.2	5.9	38.0	0.0	35.4	2.7	0.0	3,294
Mt. Elgon	15.6	5.1	54.6	9.3	6.3	9.3	0.0	4,948
Kakamega	8.6	4.8	49.8	9.5	10.5	16.8	0.0	14,979
Lugari	0.0	20.7	46.2	10.5	12.0	10.5	0.0	2,699
Teso	0.0	0.0	58.6	9.2	26.4	5.9	0.0	5,527
Vihiga	0.0	3.9	79.1	11.5	5.0	0.4	0.0	18,614
Butere/Mumias	0.0	16.0	70.2	2.7	9.5	1.6	0.0	20,450

Semi-Solid Food=Commercial Infant/Food/Formula/Yorghut

Table 5.13: **Percentage distribution of Population by type of Disability and Region**

Region / Sex	Missing		Lame	Blind	Deaf	Dumb	Mental	Paralyzed	Other	Total Count
	Hand	Foot								
Kenya	**1.9**	**2.3**	**25.7**	**7.8**	**5.9**	**9.0**	**18.4**	**10.0**	**31.5**	**402,578**
Rural	1.7	1.8	26.1	8.4	5.8	9.7	17.3	10.4	31.7	344,033
Urban	3.2	5.0	21.9	4.4	6.8	4.7	22.8	7.0	31.4	57,152
Male	2.9	2.7	27.3	9.8	5.8	7.0	18.7	10.6	28.1	219,551
Female	0.7	1.8	23.4	5.4	6.2	11.4	17.3	9.1	35.9	181,634
Nairobi	**0.0**	**12.6**	**20.4**	**0.0**	**17.5**	**7.6**	**29.6**	**1.1**	**18.9**	**14,936**
Central	**1.9**	**1.5**	**12.2**	**5.4**	**10.5**	**14.5**	**45.8**	**9.5**	**9.6**	**25,897**
Kiambu	0.0	0.0	0.0	0.0	0.0	0.0	69.5	30.5	0.0	2,508
Kirinyaga	0.0	0.0	4.2	0.0	0.0	0.0	66.4	33.6	0.0	2,523
Murang'a	0.0	0.0	0.0	0.0	11.1	34.0	25.4	16.7	12.8	5,135
Nyandarua	21.2	0.0	28.7	0.0	27.9	0.0	22.2	0.0	0.0	2,370
Nyeri	0.0	16.1	41.2	16.1	25.1	9.8	32.9	0.0	0.0	2,393
Thika	0.0	0.0	0.0	13.4	0.0	0.0	71.1	0.0	15.5	7,592
Maragua	0.0	0.0	41.5	0.0	26.3	52.6	12.6	0.0	19.6	3,377
Coast	**0.6**	**3.1**	**22.2**	**13.9**	**5.4**	**10.9**	**40.1**	**13.0**	**13.6**	**28,848**
Kilifi	0.0	0.0	23.0	25.7	16.0	10.0	41.3	0.0	0.0	4,961
Kwale	0.0	9.1	14.6	7.4	0.0	19.9	50.5	6.4	19.5	8,503
Lamu	0.0	0.0	0.0	0.0	0.0	26.1	8.6	2.9	65.3	525
Mombasa	0.0	0.0	9.3	24.5	0.0	1.0	16.8	25.8	22.6	5,413
Taita Taveta	0.0	3.7	15.4	0.0	0.0	13.3	83.1	20.4	5.9	3,710
Tana River	0.0	0.0	42.9	21.2	16.2	7.3	32.6	9.2	8.1	3,700
Malindi	8.5	0.0	65.8	0.0	8.5	0.0	0.0	34.2	8.5	2,036
Eastern	**0.5**	**1.1**	**23.2**	**9.0**	**2.5**	**11.1**	**15.2**	**11.5**	**44.8**	**75,298**
Embu	0.0	0.0	58.2	0.0	0.0	0.0	0.0	0.0	41.8	4,426
Isiolo	13.9	3.3	32.6	38.6	12.9	0.0	0.0	2.0	19.8	2,154
Kitui	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Makueni	0.0	0.0	16.7	31.5	4.7	9.2	19.7	10.9	30.5	15,475
Machakos	0.0	0.0	12.6	0.0	0.0	10.3	18.8	18.0	58.9	23,460
Marsabit	0.0	10.9	17.1	12.3	17.6	12.3	13.7	29.8	11.0	2,767
Mbeere	0.0	0.0	47.7	0.0	0.0	10.3	10.3	8.4	42.0	1,862
Meru Central	0.0	0.0	45.0	0.0	0.0	17.6	18.6	6.0	42.7	12,650
Moyale	5.0	6.7	14.2	0.0	21.8	3.2	6.7	9.9	35.7	1,164
Mwingi	0.0	9.3	11.0	17.2	0.0	36.4	17.7	19.4	7.6	4,403
Meru North	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	5,282
Tharaka	0.0	0.0	0.0	0.0	29.3	29.3	41.4	0.0	29.3	420
Meru South	0.0	0.0	76.8	0.0	0.0	0.0	0.0	0.0	23.2	1,234
North Eastern	**0.8**	**8.4**	**34.4**	**8.3**	**11.1**	**14.2**	**16.4**	**13.7**	**9.2**	**14,484**
Garissa	0.0	37.1	0.0	0.0	0.0	0.0	11.3	11.3	51.6	1,864
Mandera	0.0	1.4	8.9	14.0	25.9	11.8	29.6	9.2	10.9	3,344
Wajir	1.3	5.2	50.5	8.0	8.0	17.8	12.7	15.8	0.0	9,277
Nyanza	**3.7**	**2.1**	**24.0**	**6.1**	**6.8**	**7.1**	**13.3**	**8.5**	**35.3**	**79,717**
Gucha	0.0	8.4	0.0	16.1	9.1	8.4	28.2	12.6	17.2	7,566
Homa Bay	0.0	0.0	28.3	5.9	5.7	3.7	12.3	17.6	36.1	8,539
Kisii	0.0	0.0	32.8	0.0	14.1	0.0	0.0	4.9	48.1	2,062
Kisumu	6.4	0.0	29.8	0.0	0.0	3.5	21.8	0.0	45.5	14,443
Kuria	4.4	0.0	32.0	0.0	0.0	3.5	25.0	4.3	34.3	2,703
Migori	6.3	8.4	28.9	1.6	4.8	3.5	5.1	17.8	29.2	12,657
Nyamira	0.0	0.0	21.1	0.0	50.2	3.5	0.0	0.0	0.0	4,727
Rachuonyo	0.0	0.0	32.7	9.1	0.0	3.5	13.5	0.0	46.4	6,447
Siaya	0.0	0.0	50.4	0.0	0.0	3.5	44.6	0.0	5.0	1,243
Suba	5.8	0.0	5.1	5.8	11.4	3.5	8.7	7.2	61.7	8,711
Bondo	0.0	0.0	15.6	36.7	0.0	3.5	7.1	12.4	28.2	5,036
Nyando	10.8	0.0	40.4	0.0	0.0	3.5	7.1	10.7	31.0	5,583

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Table 5.13: **Contd...**

Region / Sex	Missing		Lame	Blind	Deaf	Dumb	Mental	Paralyzed	Other	Total Count
	Hand	Foot								
Rift Valley	**1.7**	**2.4**	**28.6**	**6.2**	**4.6**	**6.0**	**18.2**	**14.9**	**31.4**	**92,612**
Baringo	13.6	0.0	31.6	0.0	1.2	1.2	8.4	60.1	13.6	5,213
Bomet	0.0	0.0	32.7	15.4	12.5	12.5	21.9	0.4	17.8	4,244
Keiyo	0.0	0.0	53.0	0.0	0.0	0.0	30.2	16.7	0.0	1,110
Kajiado	0.0	0.0	26.9	19.0	0.0	0.0	27.6	0.0	45.5	3,250
Kericho	0.0	0.0	0.0	4.8	0.0	0.0	0.0	21.7	73.6	3,056
Koibatek	0.0	14.2	28.0	13.1	0.0	14.2	28.5	30.5	0.0	1,299
Laikipia	0.0	0.0	45.2	0.0	0.0	54.8	0.0	0.0	0.0	1,826
Marakwet	0.0	0.0	22.2	0.0	51.6	0.0	15.5	10.7	10.7	2,490
Nakuru	0.4	0.0	55.0	0.0	0.0	8.4	33.6	12.7	15.7	21,598
Nandi	0.0	9.1	25.7	7.0	9.1	0.0	0.0	0.0	49.1	11,531
Narok	7.6	0.8	9.7	0.0	16.9	31.0	25.6	32.2	7.2	5,736
Samburu	11.6	10.0	31.6	22.0	10.3	7.3	7.1	0.0	0.0	2,575
Trans Mara	0.0	0.0	15.5	8.8	0.0	0.0	18.7	33.2	32.6	2,250
Trans Nzoia	0.0	0.0	0.0	11.3	0.0	0.0	20.5	0.0	68.2	8,252
Turkana	0.0	0.0	0.0	35.5	7.8	0.0	0.0	92.2	0.0	1,733
Uasin Gishu	0.0	0.0	18.6	0.0	0.0	0.0	27.3	7.2	58.1	9,282
West Pokot	0.0	14.0	29.5	21.1	0.0	0.0	0.0	30.9	12.6	4,874
Buret	0.0	0.0	22.8	0.0	0.0	0.0	0.0	0.0	77.2	2,294
Western	**2.7**	**0.0**	**32.2**	**10.3**	**5.3**	**9.4**	**6.9**	**3.8**	**36.0**	**70,786**
Bungoma	13.4	0.0	51.6	0.0	0.0	22.7	11.7	0.0	21.5	12,066
Busia	0.0	0.0	16.1	0.0	1.1	51.4	0.0	22.9	32.5	4,308
Mt. Elgon	0.0	0.0	22.8	0.0	27.5	0.0	22.7	0.0	27.0	1,104
Kakamega	0.0	0.0	40.6	14.9	0.0	0.0	0.0	1.4	43.1	8,969
Lugari	7.1	0.0	41.7	9.2	0.0	0.0	17.2	7.3	17.5	3,920
Teso	0.0	0.0	10.9	34.9	11.1	6.5	13.6	0.0	29.4	2,347
Vihiga	0.0	0.0	30.2	19.7	12.7	1.1	8.0	0.0	26.9	23,491
Butere/Mumias	0.0	0.0	20.6	1.1	1.0	9.1	2.1	9.1	66.1	14,580

** Note__ The percentages will not add up to 100 due to multiple responses

Table 5.14: **Percentage distribution of People who were Sick by number of work-days lost**

Region / Sex	Days					Total Count
	1 - 2	3 - 4	5 -6	7 - 14	> 14	
Kenya	**29.4**	**27.1**	**9.9**	**29.0**	**4.5**	**2,061,439**
Rural	27.5	26.7	10.3	30.7	4.7	1,727,991
Urban	38.9	29.4	7.8	20.4	3.5	333,449
Male	29.1	28.0	10.3	29.1	3.4	939,528
Female	29.6	26.4	9.6	28.9	5.5	1,120,367
Nairobi	**47.6**	**24.3**	**12.7**	**12.9**	**2.6**	**83,746**
Central	**28.3**	**19.8**	**10.5**	**36.4**	**5.0**	**126,334**
Kiambu	23.5	26.8	8.2	41.5	-	22,476
Kirinyaga	26.9	17.2	15.1	38.2	2.6	29,209
Murang'a	16.0	8.4	25.2	44.8	5.6	20,453
Nyandarua	8.0	24.0	7.7	52.2	8.0	6,319
Nyeri	46.2	21.8	-	13.3	18.7	11,796
Thika	32.9	15.7	8.2	43.2	-	16,391
Maragua	40.8	28.4	-	22.1	8.7	19,691
Coast	**32.3**	**38.2**	**5.8**	**19.4**	**4.3**	**118,967**
Kilifi	41.0	21.4	8.4	3.5	25.6	8,423
Kwale	40.7	33.8	4.1	21.5	-	25,112
Lamu	18.7	34.2	5.8	37.3	4.0	5,451
Mombasa	24.7	56.0	4.3	15.0	-	43,417
Taita Taveta	16.5	25.0	5.4	34.0	19.2	11,972
Tana River	46.6	24.1	7.9	19.6	1.8	22,087
Malindi	29.3	26.8	24.7	19.2	-	2,505
Eastern	**26.0**	**21.8**	**12.1**	**35.4**	**4.7**	**416,406**
Embu	28.1	24.4	7.5	36.7	3.3	25,267
Isiolo	23.5	39.9	2.0	31.5	3.2	4,084
Kitui	61.3	18.2	10.5	10.1	-	41,206
Makueni	17.5	19.6	25.8	33.8	3.4	91,866
Machakos	21.1	13.7	13.9	46.8	4.4	91,342
Marsabit	21.0	18.8	16.0	37.5	6.8	4,051
Mbeere	34.1	14.8	12.1	35.8	3.2	14,084
Meru Central	23.0	31.6	-	38.9	6.4	55,130
Moyale	20.4	28.5	14.0	31.4	5.6	2,718
Mwingi	37.8	38.6	1.7	21.3	0.7	19,384
Meru North	12.8	25.7	4.5	45.0	12.0	54,256
Tharaka	59.6	14.3	8.1	12.7	5.3	3,662
Meru South	46.8	22.6	18.8	8.9	2.9	9,356
North Eastern	**44.0**	**22.6**	**6.5**	**13.8**	**13.1**	**28,981**
Garissa	32.1	44.7	12.1	11.1	-	6,137
Mandera	35.6	39.2	1.6	23.6	-	5,806
Wajir	51.1	9.1	6.1	11.5	22.3	17,038
Nyanza	**31.5**	**29.4**	**6.4**	**28.8**	**3.9**	**574,711**
Gucha	20.0	29.7	11.0	29.4	9.9	39,862
Homa Bay	27.2	30.7	8.5	30.0	3.6	47,018
Kisii	38.4	19.2	9.5	30.6	2.4	52,727
Kisumu	47.4	32.1	2.5	15.1	2.9	68,674
Kuria	24.8	23.0	11.8	33.3	7.1	15,466
Migori	22.8	42.2	2.3	28.5	4.1	68,307
Nyamira	11.8	30.0	22.9	34.4	0.8	40,324
Rachuonyo	33.2	27.4	4.9	30.9	3.6	59,679
Siaya	33.7	19.1	2.6	38.1	6.4	68,519
Suba	26.0	29.3	7.0	36.4	1.2	24,019
Bondo	35.3	29.7	3.6	26.3	5.2	40,707
Nyando	39.6	36.0	2.6	21.3	0.5	49,410

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Table 5.14: **Contd...**

Region / Sex	Days					Total Count
	1 - 2	3 - 4	5 -6	7 - 14	> 14	
Rift Valley	**21.7**	**29.1**	**13.5**	**30.5**	**5.2**	**418,797**
Baringo	57.2	20.6	7.0	15.2	-	11,757
Bomet	18.2	34.6	16.2	27.8	3.1	13,059
Keiyo	32.9	-	24.7	42.4	-	1,265
Kajiado	36.6	21.8	29.2	12.4	-	6,206
Kericho	25.8	48.9	12.0	10.5	2.8	15,087
Koibatek	18.8	13.9	20.2	31.1	16.0	4,709
Laikipia	36.3	11.7	-	47.8	4.1	7,942
Marakwet	32.7	25.6	-	34.0	7.8	5,422
Nakuru	24.7	14.6	10.5	44.2	6.1	46,458
Nandi	16.3	30.7	16.4	35.0	1.6	62,688
Narok	19.1	43.2	6.7	31.0	-	11,866
Samburu	67.8	17.6	4.8	8.7	1.1	17,469
Trans Mara	20.0	39.2	18.1	20.3	2.4	8,084
Trans Nzoia	26.3	21.2	17.8	28.6	6.1	36,901
Turkana	8.4	37.9	14.3	32.5	6.9	103,567
Uasin Gishu	21.8	32.5	7.9	35.0	2.8	26,538
West Pokot	19.3	25.7	16.0	25.1	14.0	19,308
Buret	20.9	24.7	19.6	23.5	11.4	20,472
Western	**33.6**	**27.4**	**9.6**	**25.3**	**4.2**	**293,498**
Bungoma	29.2	36.3	12.2	19.4	2.9	51,942
Busia	36.9	29.1	11.6	22.4	-	55,855
Mt. Elgon	18.2	17.5	11.3	45.5	7.5	14,059
Kakamega	35.4	21.6	8.5	29.5	4.9	58,256
Lugari	47.1	20.8	8.9	22.9	0.3	12,535
Teso	42.5	13.8	2.3	39.1	2.4	15,253
Vihiga	40.7	23.1	4.9	24.7	6.6	44,577
Butere/Mumias	22.5	36.8	12.3	20.1	8.4	41,022

Chapter 6 | Child Nutrition

6.0 Introduction

The reduction of hunger and achievement of food and nutrition security is one of the primary development goals for Kenya. The Governments' Economic Recovery Strategy for Wealth and Employment Creation (ERSWEC) recognises the role of human capital and puts emphasis on good nutritional status as critical in enhancing human development and overall productivity in Kenya. In this regard, monitoring of nutritional status provides information on the progress made towards the targets set by the Economic Recovery Strategy (ERS) and the Millennium Development Goals (MDGs)

The KIHBS captured data on infant and young children feeding patterns, health and anthropometrical measures for children aged 6-59 months, and used it to derive nutritional status. The anthropometrical measurements taken by the interviewers included recumbent length (measured while lying down) for children below the age of 24 months and standing height for children above 24 months. Weight was measured using portable scales with reading capability of up to 25kg with 100 grams measurements.

6.1 Nutritional Status

The assessment of the nutritional status is based on the concept that in a well-nourished population, the distributions of children's weight and height at a given age will follow a predictable statistical distribution. The World Health Organisation (WHO) and National Centre for Health Statistics (NCHS) reference population is used to facilitate analysis of any given population over time or to compare subgroups within a population. The reference population growth standards have been used to calculate the nutritional status indices for the Kenyan population.

Three indices, Height for Age, Weight for Age and Weight for Height are used to assess the nutritional well-being of children which also reflects the economic and social well-being of the population. Nutritional status is determined from the extent to which the indices deviate from the median WHO/ NCHS reference population growth standards. A child falling below minus two standard deviations (-2 SD) from the median of the reference population in terms of the three indices is classified as malnourished, while those below minus three standard deviations (-3 SD) are severely malnourished. In the WHO/ NCHS reference population, 2.14 per cent and 0.1 per cent fall below -2SD and -3SD respectively.

Stunting (HAZ)

Height for age index measures linear growth. A child falling below minus two standard deviations from the median of the reference population in terms of height-for-age is considered short for his/ her age or stunted (chronic malnutrition). If the child is below minus three standard deviations (-3 SD) from the median of the reference population, the child is considered severely stunted. Stunting results from inadequate nutrition over long period, poor care practices and may also be due to recurrent and chronic illness.

Table 6.1 presents the nutritional status of children as measured by Stunting (chronic malnutrition) by residence, sex, age groups and region. National level estimates show that 34.7 per cent of children are chronically undernourished. The data also shows that children in rural areas (36.7%) are stunted compared with urban areas (25.2%). A comparison of the national level stunting estimates from KIHBS data and the Household Welfare Monitoring Survey II 1994 (33.6%) and KDHS 2003 (30.3%) suggest chronic malnutrition among children below 5 years have not shown any significant improvement in the last decade. These children are failing to reach their full growth potential, which is indicative of long-term deprivation.

At provincial level, estimates show that Eastern (42.6%) and Coast (36.0%) Provinces have higher proportion of stunted children, while Nairobi (27.8%) and Central (30.0%) Provinces have lower proportions compared with the national level estimate.

Wasting (WHZ)

Weight-for-height describes current nutritional status. A child who is below minus two standard deviations (-2 SD) from the median of the reference population weight-for-height is considered to have low weight for his/her height, or wasted (acute malnutrition).

Acute malnutrition results from acute or recent inadequate food intake or recent episodes of illness causing weight loss. As with stunting, wasting is considered severe if the child is more than minus three standard deviations below (-3SD) the median of the reference population.

Table 6.1 shows the proportion of acutely under-nourished children. At national level, 6.1 per cent of children are acutely undernourished (wasted) and 1.2 per cent severely wasted. High proportions of acute under-nutrition at the time of the survey were observed in North Eastern Province (17.6 per cent moderate and 6.2 per cent severe). The high prevalence in the northern part of the country reflects the nutritional outcome due to the drought that devastated the region since 2004.

A comparison of trends in acute malnutrition in previous surveys - Household Welfare Monitoring Survey 1994 (25.4%), KDHS 2003 (26.5%) - show that North Eastern Province contributes to most of the acute malnutrition in the country. In these surveys, the national estimates show that the proportion of acutely malnourished children stood at about 6 per cent indicating that the estimates of North Eastern Province are about 4 times higher than national estimates.

Underweight (WAZ)

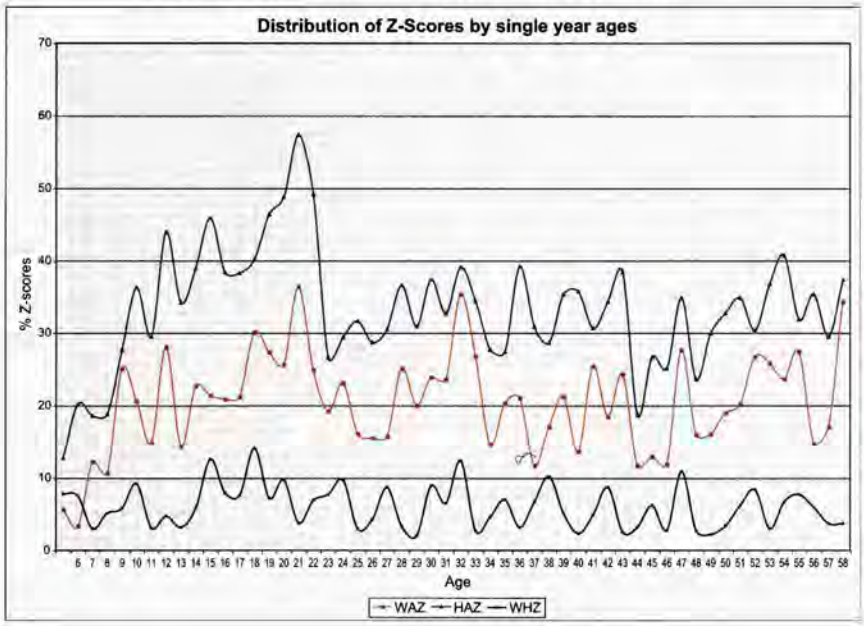
Weight-for-age is a composite index of weight-for-height and height for-age and, thus, does not distinguish between acute malnutrition (wasting) and chronic malnutrition (stunting). A child can be underweight for his /she age because he/she is stunted, because he/she is wasted, or because he/she is wasted and stunted.

As presented in Table 6.1, the proportion of underweight children was estimated at 20.9 per cent, with 4.2 per cent being severely underweight. The proportion of underweight children reflects both conditions of chronic and acute under-nutrition and confirms the extent of nutritional problems. However, the proportion of underweight children has declined from 22.5 per cent in 1997 (WMS) to 20 .9 per cent in 2005.

At provincial level, North Eastern and Eastern Provinces have the highest proportions of underweight children (31.3% and 30.3% respectively), while Central and Nairobi Provinces have the lowest proportions of 13.8 per cent and 11.7 per cent repectively.

Figure 6.1 suggests that the deterioration of nutritional status appears to become a problem at an early age among children in Kenya. According to the KIHBS data, the period between 6 months and 21 months is a vulnerable period for children. The steady rise in stunting among children from 3 months to 23 months is a pattern that has been previously observed in the Kenya Demographic and Health Surveys. Programmes targeting infants aged 3 months and 21 months should, therefore, be enhanced in order to reverse this trend.

Figure 6.1: **Nutritional Status of Children under 5 years by single ages and Z-Score Deviations from the reference population**



6.2 Infant feeding patterns

The patterns of infant feeding and trends provide information for assessing the determinants of child nutritional status. Breastfeeding patterns and the age at which the child receives foods to supplement breast milk influences child growth and development and thus affect the child's risk of exposure to illnesses. Exclusive breastfeeding for the first 4 to 6 months of an infant's life generally enhances nutritional and health status because breast milk is uncontaminated and contains all nutrients needed by children. Early introduction of food (supplementation), especially in unhygienic conditions, can result in infections, while delayed or poor supplementation on the other hand inhibits normal growth especially if the supplements are of poor nutritional value.

Table 6.2 shows the distribution of children who were ever breastfed. Overall, 93.8 per cent of all children born in the last 5 years have been breastfed for some period of time. Breastfeeding is nearly universal in all provinces with over 98 per cent of children having been breastfed in most provinces.

Data on exclusive breastfeeding is presented in Table 6.3. The information shows that exclusive breastfeeding for 4 to 6 months is not common. The mean duration of exclusive breastfeeding is 3.1 months. There is no significant difference between the mean duration for urban and rural areas. With the observed mean duration of breastfeeding, it is evident that supplementation of breast milk starts too early in the country.

As seen in Table 6.4, porridge is the most commonly used first supplement (33.7%) followed by milk (26.4%) and water (13.5%). The proportion of children given porridge as a first supplement is higher in Coast Province (62.2%), while children in North Eastern Province are more likely to be given milk (63.8%) other than breast milk.

Table 6.1: **Proportion of Children (6 - 59 months) who are severely or moderately Malnourished**

Region / Sex / Age	Under weight		Stunting		Wasting		Total
	2 SD	3 SD	2 SD	3 SD	2 SD	3 SD	Count
Kenya	**20.9**	**4.2**	**34.7**	**14.7**	**6.3**	**1.2**	**3,687,372**
Rural	22.6	4.6	36.7	16.0	6.5	1.3	3,036,477
Urban	13.1	2.7	25.2	8.8	5.1	0.9	650,895
Male	22.5	4.8	37.9	16.3	6.7	1.5	1,865,302
Female	19.2	3.6	31.5	13.0	5.8	0.9	1,822,070
6 - 11 Months	13.3	2.9	22.4	7.2	6.4	1.4	364,893
12 - 23 Months	24.0	5.0	44.4	20.1	7.4	1.7	829,672
24 - 35 Months	22.0	5.3	33.2	14.6	6.1	1.3	857,339
36 - 47 Months	18.9	3.7	34.1	13.7	5.7	0.9	895,855
48 - 59 Months	22.2	3.5	32.2	13.6	5.9	0.9	739,613
Nairobi	**11.7**	**2.5**	**27.8**	**10.9**	**4.1**	**1.0**	**245,799**
Central	**13.8**	**2.5**	**30.0**	**12.5**	**2.3**	**0.6**	**387,461**
Kiambu	12.7	3.8	25.3	15.3	2.0	1.3	89,033
Kirinyaga	11.0	0.2	21.7	5.2	3.0	2.5	49,523
Murang'a	16.4	2.4	35.4	11.2	0.0	0.0	24,281
Nyandarua	9.8	1.1	37.3	18.3	1.4	0.0	46,257
Nyeri	8.6	2.7	39.1	24.2	2.0	0.0	54,451
Thika	16.6	3.1	24.7	2.9	1.9	0.0	81,375
Maragua	24.0	2.6	37.1	13.4	5.3	0.0	42,542
Coast	**23.1**	**5.6**	**36.0**	**16.8**	**6.9**	**0.4**	**338,283**
Kilifi	27.9	7.1	50.4	26.4	6.6	0.3	64,459
Kwale	20.3	3.7	24.7	10.4	8.2	0.4	93,327
Lamu	24.4	2.5	34.6	12.3	5.2	2.1	9,789
Mombasa	12.1	4.0	18.9	4.7	5.6	0.0	73,767
Taita Taveta	23.7	3.5	41.9	17.6	0.6	0.6	20,553
Tana River	40.0	15.0	40.3	21.7	14.8	1.2	30,309
Malindi	28.2	5.3	61.0	32.9	4.5	0.4	46,079
Eastern	**30.3**	**6.7**	**42.6**	**17.4**	**8.1**	**1.8**	**604,044**
Embu	5.6	1.9	21.6	8.0	0.7	0.0	32,343
Isiolo	32.9	7.2	18.6	6.1	20.8	2.7	13,385
Kitui	39.0	10.3	48.1	21.2	15.8	3.7	78,864
Makueni	31.1	7.2	56.1	23.0	3.6	0.5	111,467
Machakos	31.8	4.0	42.1	12.7	5.4	2.2	135,362
Marsabit	32.3	11.9	32.9	20.1	15.3	3.1	8,321
Mbeere	21.2	4.9	24.5	11.8	3.6	1.8	23,327
Meru Central	31.6	6.8	42.0	22.0	3.7	0.0	38,739
Moyale	30.1	5.7	32.6	10.5	6.6	0.5	9,303
Mwingi	46.6	10.7	32.7	17.7	25.7	7.1	46,698
Meru North	22.8	7.7	46.7	20.8	7.5	0.1	68,803
Tharaka	28.4	7.5	50.3	22.8	1.0	1.0	16,843
Meru South	16.5	3.2	33.7	8.6	4.0	0.0	20,590
North Eastern	**31.3**	**6.5**	**44.4**	**29.0**	**17.6**	**6.2**	**97,262**
Garissa	26.8	2.6	38.6	27.3	8.8	0.6	33,062
Mandera	41.2	11.0	31.8	18.6	32.8	14.8	33,142
Wajir	25.5	5.9	64.1	41.9	10.7	3.1	31,058
Nyanza	**17.8**	**4.1**	**36.2**	**13.5**	**7.3**	**1.4**	**556,987**
Gucha	20.7	3.3	35.6	8.6	13.1	3.1	46,917
Homa Bay	19.3	6.9	36.9	17.4	10.9	4.0	36,923
Kisii	14.6	3.5	38.3	14.3	1.5	0.0	72,974
Kisumu	18.6	4.0	18.6	5.5	16.3	3.1	63,256
Kuria	27.5	5.1	28.8	13.3	18.7	9.2	25,429
Migori	21.6	1.9	33.4	8.6	5.8	0.0	60,161

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Table 6.1: **Contd...**

Region / Sex	Under weight		Stunting		Wasting		Total
	2 SD	3 SD	2 SD	3 SD	2 SD	3 SD	Count
Nyamira	21.1	6.0	44.5	16.9	0.9	0.0	71,779
Rachuonyo	11.9	4.0	46.7	29.0	7.2	0.0	36,897
Siaya	14.9	2.6	53.7	18.4	2.8	0.0	58,193
Suba	18.0	8.6	35.7	9.6	6.8	0.4	17,612
Bondo	9.1	4.3	28.9	12.9	0.2	0.0	26,644
Nyando	15.5	2.5	23.6	9.6	10.9	1.1	40,203
Rift Valley	**20.4**	**3.3**	**32.1**	**13.0**	**6.8**	**1.1**	**917,010**
Baringo	29.9	4.8	42.4	13.6	10.1	5.1	29,249
Bomet	14.5	3.1	34.7	11.8	5.2	0.0	47,916
Keiyo	22.0	4.2	35.2	15.2	5.6	1.0	24,429
Kajiado	19.4	3.7	26.0	7.7	6.5	0.0	50,250
Kericho	22.0	0.7	37.9	15.7	1.3	1.1	62,242
Koibatek	16.7	3.9	33.9	16.3	6.2	0.0	20,094
Laikipia	14.6	3.4	21.7	8.0	11.0	2.3	37,474
Marakwet	20.0	1.1	27.1	13.9	0.0	0.0	19,328
Nakuru	16.8	0.5	42.9	13.1	0.7	0.0	132,589
Nandi	22.1	4.0	21.4	9.0	15.7	3.6	79,224
Narok	22.2	2.5	24.5	9.9	11.6	0.5	66,692
Samburu	44.0	9.6	37.1	17.0	14.3	0.8	25,977
Trans Mara	30.1	3.1	36.9	18.4	5.7	0.0	26,480
Trans Nzoia	14.1	4.8	30.5	12.0	6.2	0.3	67,364
Turkana	34.5	9.3	33.0	16.4	14.2	1.9	57,486
Uasin Gishu	12.2	2.9	19.3	10.8	2.3	0.2	76,177
West Pokot	17.1	2.0	40.8	22.2	4.8	1.0	45,125
Buret	20.0	3.3	35.4	14.0	8.1	3.2	48,915
Western	**20.2**	**4.0**	**32.7**	**15.2**	**3.7**	**0.8**	**540,526**
Bungoma	23.7	4.0	28.0	9.4	5.1	0.8	153,028
Busia	18.3	5.8	43.5	23.4	1.0	0.0	58,807
Mt. Elgon	25.6	3.8	41.8	16.2	12.6	0.9	26,984
Kakamega	16.5	4.1	38.0	17.0	1.8	0.8	85,388
Lugari	4.7	0.0	22.2	7.1	0.2	0.1	32,149
Teso	22.5	2.5	18.9	10.4	6.1	1.0	33,826
Vihiga	18.7	4.5	25.8	20.9	2.2	0.0	70,783
Butere/Mumias	23.7	4.2	41.3	18.2	4.0	2.1	79,560

Table 6.2: **Proportion of Children under 5 years who have ever breastfed by Region**

Region / Sex	Percent	Total Count	Region	Percent	Total Count
Kenya	**93.8**	**5,136,214**	**Nyanza**	**98.5**	**722,874**
			Gucha	92.6	60,828
Rural	94.4	4,129,900	Homa Bay	100.0	46,998
Urban	91.5	1,006,314	Kisii	99.1	83,844
			Kisumu	97.6	78,761
Male	94.6	2,566,825	Kuria	99.3	33,420
Female	93.1	2,569,389	Migori	99.7	101,070
			Nyamira	98.1	85,678
Nairobi	**97.0**	**376,324**	Rachuonyo	98.7	49,725
			Siaya	100.0	73,600
Central	**98.9**	**473,732**	Suba	99.0	24,827
Kiambu	99.2	108,910	Bondo	100.0	31,520
Kirinyaga	100.0	62,395	Nyando	98.9	52,605
Murang'a	100.0	29,665			
Nyandarua	99.2	58,314	**Rift Valley**	**99.1**	**1,239,281**
Nyeri	98.1	69,956	Baringo	97.9	52,637
Thika	97.1	92,479	Bomet	100.0	57,980
Maragua	100.0	52,013	Keiyo	100.0	26,978
			Kajiado	97.8	80,682
Coast	**99.2**	**457,388**	Kericho	97.5	79,382
Kilifi	98.1	82,715	Koibatek	96.6	22,844
Kwale	99.1	126,339	Laikipia	100.0	46,615
Lamu	100.0	12,088	Marakwet	98.3	23,956
Mombasa	100.0	106,287	Nakuru	98.9	190,758
Taita Taveta	100.0	30,560	Nandi	99.6	100,411
Tana River	99.6	43,459	Narok	99.5	78,011
Malindi	98.5	55,940	Samburu	100.0	32,154
			Trans Mara	99.4	37,710
Eastern	**97.7**	**769,812**	Trans Nzoia	98.8	103,911
Embu	99.1	36,022	Turkana	100.0	86,194
Isiolo	95.6	18,472	Uasin Gishu	98.8	100,193
Kitui	98.6	105,310	West Pokot	100.0	58,240
Makueni	99.3	121,481	Buret	100.0	60,625
Machakos	98.1	169,629			
Marsabit	98.2	19,002	**Western**	**98.5**	**676,222**
Mbeere	99.4	28,786	Bungoma	97.9	176,386
Meru Central	93.0	67,252	Busia	96.8	84,385
Moyale	98.5	10,404	Mt. Elgon	98.6	41,113
Mwingi	98.6	58,169	Kakamega	99.2	108,702
Meru North	95.5	92,765	Lugari	99.3	37,431
Tharaka	99.9	18,484	Teso	99.2	43,019
Meru South	97.4	24,036	Vihiga	98.3	92,395
			Butere/Mumias	99.6	92,790
North Eastern	**96.8**	**180,449**			
Garissa	98.9	61,699			
Mandera	92.0	62,509			
Wajir	100.0	56,241			

Table 6.3: **Mean Length of Exclusive Breastfeeding by Region**

Region / Sex	Mean	Total Count	Region	Mean	Total Count
Kenya	**3.1**	**3,064,523**	**Nyanza**	**2.5**	**481,473**
			Gucha	2.0	33,064
Rural	3.1	2,464,014	Homa Bay	3.1	31,239
Urban	3.0	600,509	Kisii	2.2	56,865
			Kisumu	1.9	57,830
Male	3.0	1,553,336	Kuria	2.7	23,058
Female	3.1	1,511,187	Migori	2.4	73,011
			Nyamira	1.8	57,686
Nairobi	**2.8**	**224,183**	Rachuonyo	1.4	33,866
			Siaya	4.7	46,877
Central	**2.6**	**295,083**	Suba	2.4	16,831
Kiambu	2.6	69,171	Bondo	2.7	20,379
Kirinyaga	3.2	43,460	Nyando	2.9	30,767
Murang'a	1.7	14,483			
Nyandarua	3.5	36,076	**Rift Valley**	**3.2**	**778,215**
Nyeri	3.0	40,433	Baringo	2.1	31,983
Thika	2.0	58,865	Bomet	2.0	35,185
Maragua	1.8	32,594	Keiyo	2.5	14,866
			Kajiado	3.7	56,296
Coast	**3.2**	**274,523**	Kericho	1.6	51,607
Kilifi	3.4	45,718	Koibatek	3.7	10,772
Kwale	3.5	78,539	Laikipia	4.0	31,379
Lamu	0.2	7,193	Marakwet	2.1	15,759
Mombasa	4.1	64,462	Nakuru	2.9	116,722
Taita Taveta	1.6	21,791	Nandi	5.1	56,878
Tana River	1.1	25,213	Narok	2.2	52,215
Malindi	3.7	31,606	Samburu	3.5	19,262
			Trans Mara	1.4	24,380
Eastern	**2.4**	**475,824**	Trans Nzoia	3.9	58,064
Embu	2.9	20,730	Turkana	5.3	55,492
Isiolo	2.5	10,361	Uasin Gishu	2.7	79,516
Kitui	2.8	68,666	West Pokot	2.1	34,874
Makueni	2.2	81,783	Buret	4.5	32,966
Machakos	1.1	99,005			
Marsabit	3.6	13,610	**Western**	**4.3**	**423,995**
Mbeere	3.9	18,363	Bungoma	5.8	102,498
Meru Central	2.4	38,624	Busia	5.2	50,096
Moyale	2.2	6,182	Mt. Elgon	4.9	24,382
Mwingi	3.3	36,724	Kakamega	3.3	70,355
Meru North	2.4	57,315	Lugari	3.6	24,716
Tharaka	4.2	10,161	Teso	3.9	26,468
Meru North	2.3	14,301	Vihiga	2.7	59,110
			Butere/Mumias	4.1	66,371
North Eastern	**4.0**	**111,227**			
Garissa	0.4	39,160			
Mandera	7.1	35,377			
Wajir	4.3	36,691			

Table 6.4: **Percentage distribution of Children (0 -59 Months) by First Supplement and Region**

Region / Sex / Age	Milk other than breast Formula	Commercial Infant Food	Porridge	Fortified Porridge	Semi-Solids	Water	Other	Not Stated	Total Count
Kenya	**26.4**	**2.2**	**33.7**	**9.0**	**7.6**	**13.5**	**1.9**	**5.3**	**4,943,429**
Rural	27.5	1.3	35.1	8.8	6.7	13.6	1.8	4.9	3,986,725
Urban	21.8	6.0	28.0	9.5	11.1	13.2	2.2	7.3	956,704
Male	26.6	2.2	33.2	9.7	7.4	14.0	1.9	4.6	2,472,942
Female	26.1	2.1	34.3	8.3	7.7	13.0	1.8	6.0	2,470,486
0 - 5 Months	20.3	2.2	18.8	5.3	5.7	14.0	1.8	30.0	519,524
6 - 11 Months	27.7	1.1	34.0	10.6	9.5	11.6	2.1	2.3	390,742
12 - 23 Months	27.6	2.6	36.2	10.6	5.6	13.4	1.5	2.3	1,000,577
24 - 35 Months	25.3	2.4	34.5	9.6	8.6	15.0	2.1	2.3	1,052,783
36 - 47 Months	29.3	1.9	35.3	9.0	7.6	12.5	2.0	2.4	1,038,134
48 - 59 Months	25.8	2.3	36.7	7.9	8.8	13.6	1.9	2.7	941,669
Nairobi	**19.8**	**6.2**	**32.5**	**3.0**	**18.9**	**14.8**	**2.7**	**0.9**	**356,596**
Central	**4.6**	**1.7**	**36.7**	**10.3**	**38.1**	**5.7**	**2.4**	**0.2**	**458,088**
Kiambu	13.3	2.6	27.4	12.2	43.8	0.0	0.0	0.0	107,655
Kirinyaga	4.0	0.0	51.4	3.4	14.5	21.0	5.6	0.0	60,489
Murang'a	0.0	3.1	11.1	3.4	75.7	5.9	0.9	0.0	29,034
Nyandarua	0.0	5.0	66.6	21.5	5.3	0.0	1.7	0.0	54,469
Nyeri	2.9	1.7	52.5	14.2	22.8	0.0	5.9	0.0	66,861
Thika	2.2	0.2	26.4	6.5	53.3	8.9	1.5	1.1	87,568
Maragua	1.0	0.4	18.8	8.1	61.6	7.6	2.5	0.0	52,013
Coast	**18.0**	**3.9**	**62.2**	**9.8**	**0.2**	**4.6**	**1.0**	**0.2**	**434,763**
Kilifi	5.5	0.6	86.1	6.7	0.0	0.0	0.0	0.0	77,642
Kwale	6.5	0.0	83.2	9.9	0.0	0.0	0.4	0.0	118,358
Lamu	35.9	8.2	25.4	10.6	1.5	14.7	3.7	0.0	12,088
Mombasa	16.7	12.4	44.7	23.2	0.0	0.7	2.3	0.0	101,096
Taita Taveta	12.0	0.0	26.5	0.4	0.0	57.9	3.1	0.0	29,759
Tana River	97.2	1.2	0.0	0.6	0.6	0.0	0.0	0.4	42,080
Malindi	0.9	4.2	90.8	1.0	0.9	0.6	0.0	1.6	53,740
Eastern	**26.0**	**1.3**	**21.7**	**11.1**	**7.1**	**28.7**	**2.2**	**0.5**	**744,138**
Embu	5.4	9.7	22.1	48.4	4.5	4.2	5.7	0.0	34,813
Isiolo	51.2	0.7	14.6	0.0	21.9	6.8	1.5	1.1	18,208
Kitui	60.0	2.0	25.3	1.9	1.6	6.7	1.3	0.0	99,208
Makueni	20.0	0.0	3.8	13.1	0.0	61.5	1.6	0.0	119,022
Machakos	14.4	1.3	0.7	8.8	0.0	72.0	1.5	0.0	167,328
Marsabit	66.4	0.2	2.6	0.0	5.8	23.0	0.0	0.0	17,416
Mbeere	5.0	2.5	19.6	48.1	14.5	3.4	6.2	0.7	27,218
Meru Central	9.4	0.4	58.4	12.9	6.7	0.0	5.4	0.0	62,235
Moyale	94.7	3.8	0.0	0.0	0.0	1.1	0.4	0.0	10,354
Mwingi	69.6	0.0	25.7	0.7	0.8	3.2	0.0	0.0	56,627
Meru North	6.5	0.1	38.9	7.4	37.5	2.8	2.3	3.5	90,614
Tharaka	3.8	0.7	79.3	7.5	6.8	1.8	0.0	0.1	17,785
Meru South	2.1	1.6	60.9	17.6	5.4	3.7	4.8	0.0	23,308
North Eastern	**63.8**	**5.9**	**2.6**	**0.2**	**4.9**	**20.3**	**0.0**	**2.0**	**175,321**
Garissa	43.0	2.8	1.8	0.3	0.0	51.7	0.0	0.0	61,478
Mandera	69.8	14.7	3.5	0.3	0.0	5.6	0.0	6.0	58,987
Wajir	80.7	0.0	2.6	0.0	15.8	0.9	0.0	0.0	54,855
Nyanza	**24.4**	**0.5**	**27.7**	**12.4**	**0.4**	**32.5**	**0.8**	**1.0**	**692,805**
Gucha	12.3	1.5	63.1	8.3	1.9	5.2	0.0	7.5	59,937
Homa Bay	46.6	0.2	15.1	1.2	0.5	36.3	0.0	0.0	44,234
Kisii	0.7	0.1	49.3	28.4	0.0	20.0	1.5	0.0	81,113
Kisumu	29.6	0.0	3.5	0.7	0.0	63.5	0.2	2.5	73,336
Kuria	15.8	0.0	57.8	13.9	0.2	12.3	0.0	0.0	32,593
Migori	52.0	1.2	15.2	3.4	0.0	25.8	2.1	0.0	93,211
Nyamira	6.3	0.0	51.2	20.9	0.0	19.8	0.0	0.9	85,678

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Table 6.4: **Contd...**

Region / Sex / Age	Milk other than breast Formula	Commercial Infant Food	Porridge	Fortified Porridge	Semi-Solids	Water	Other	Not Stated	Total Count
Rachuonyo	32.7	0.0	6.7	0.2	0.1	58.9	0.0	0.0	48,887
Siaya	20.9	0.2	15.9	32.6	0.1	30.3	0.0	0.0	71,982
Suba	42.0	3.2	22.3	0.5	1.0	30.0	1.0	0.0	24,264
Bondo	47.5	0.1	23.8	17.0	2.3	9.3	0.0	0.0	29,539
Nyando	9.7	0.5	1.7	5.0	0.0	77.9	4.0	0.0	48,032
Rift Valley	**44.8**	**2.7**	**30.0**	**9.0**	**4.1**	**5.3**	**3.6**	**0.2**	**1,187,690**
Baringo	50.1	0.2	16.8	1.7	4.9	15.8	8.9	0.0	49,573
Bomet	56.5	0.0	37.4	1.0	3.8	1.3	0.0	0.0	56,183
Keiyo	67.4	0.0	20.2	9.4	0.0	1.5	1.4	0.0	26,585
Kajiado	36.5	11.0	19.3	8.9	3.9	15.8	3.8	0.8	76,914
Kericho	54.7	0.6	33.6	7.3	0.0	1.7	0.0	0.0	78,870
Koibatek	40.1	1.0	22.1	17.1	18.7	1.0	0.0	0.0	21,481
Laikipia	8.7	1.0	50.0	1.9	7.8	27.3	3.3	0.0	43,865
Marakwet	29.9	1.0	64.9	4.3	0.0	0.0	0.0	0.0	23,737
Nakuru	17.3	5.7	41.7	20.7	5.4	6.3	2.5	0.0	187,991
Nandi	40.7	7.6	34.2	9.9	2.7	4.5	0.0	0.0	98,754
Narok	35.5	2.4	28.4	3.5	1.2	1.3	27.1	0.0	76,397
Samburu	69.0	0.0	0.9	0.0	0.0	29.5	0.6	0.0	29,119
Trans Mara	50.1	0.0	19.8	2.5	1.9	5.8	19.2	0.1	36,753
Trans Nzoia	29.9	0.0	38.2	26.6	3.8	0.0	0.2	1.2	101,391
Turkana	79.2	0.0	6.9	0.8	13.1	0.0	0.0	0.0	74,454
Uasin Gishu	56.6	0.3	36.1	2.7	2.8	0.0	1.5	0.0	90,416
West Pokot	89.1	0.0	8.5	2.0	0.4	0.0	0.0	0.0	55,614
Buret	63.6	3.2	26.1	1.3	5.2	0.6	0.0	0.0	59,595
Western	**19.5**	**0.7**	**61.0**	**10.4**	**2.9**	**4.8**	**0.3**	**0.3**	**653,896**
Bungoma	35.9	0.1	57.0	2.4	2.3	1.7	0.0	0.6	169,791
Busia	16.5	0.0	77.8	3.1	2.2	0.0	0.0	0.0	80,252
Mt. Elgon	40.0	0.1	40.0	6.5	10.4	0.5	2.1	0.0	38,714
Kakamega	6.8	0.0	73.4	17.1	2.4	0.0	0.0	0.0	108,163
Lugari	5.3	2.4	62.3	22.2	3.8	1.9	2.1	0.0	36,327
Teso	18.0	0.6	70.0	9.1	1.5	0.0	0.0	0.0	41,338
Vihiga	9.8	1.5	53.3	13.2	0.8	20.5	0.0	0.9	91,278
Butere/Mumias	13.5	2.4	50.7	18.7	4.3	9.8	0.6	0.0	88,032

Table 6.5: **Percentage Distribution of Children (under 5 years) by Sex**

Region / Sex / Age	Male	Female	Total Count	Region	Male	Female	Total Count
Kenya	**50.0**	**50.0**	**5,136,214**	**Nyanza**	**49.6**	**50.4**	**722,874**
				Gucha	41.2	58.8	60,828
Rural	50.1	49.9	4,129,900	Homa Bay	45.1	54.9	46,998
Urban	49.5	50.5	1,006,314	Kisii	54.9	45.1	83,844
				Kisumu	51.9	48.1	78,761
0 - 5 Months	46.2	53.8	678,290	Kuria	46.3	53.7	33,420
6 - 11	51.5	48.5	403,477	Migori	43.4	56.6	101,070
12 - 23	51.5	48.5	1,006,733	Nyamira	52.1	47.9	85,678
24 - 35	50.1	49.9	1,061,387	Rachuonyo	53.7	46.3	49,725
36 - 47	51.2	48.8	1,040,786	Siaya	57.4	42.6	73,600
48 - 59	48.9	51.1	945,542	Suba	45.3	54.7	24,827
				Bondo	47.3	52.7	31,520
Nairobi	48.9	51.1	376,324	Nyando	50.5	49.5	52,605
Central	**48.9**	**51.1**	**473,732**	**Rift Valley**	**53.1**	**46.9**	**1,239,281**
Kiambu	47.7	52.3	108,910	Baringo	58.9	41.1	52,637
Kirinyaga	43.0	57.0	62,395	Bomet	49.8	50.2	57,980
Murang'a	46.2	53.8	29,665	Keiyo	44.1	55.9	26,978
Nyandarua	46.8	53.2	58,314	Kajiado	54.3	45.7	80,682
Nyeri	53.0	47.0	69,956	Kericho	65.4	34.6	79,382
Thika	50.5	49.5	92,479	Koibatek	56.4	43.6	22,844
Maragua	53.7	46.3	52,013	Laikipia	55.4	44.6	46,615
				Marakwet	54.7	45.3	23,956
Coast	**48.3**	**51.7**	**457,388**	Nakuru	56.0	44.0	190,758
Kilifi	52.2	47.8	82,715	Nandi	54.8	45.2	100,411
Kwale	50.2	49.8	126,339	Narok	51.5	48.5	78,011
Lamu	49.4	50.6	12,088	Samburu	50.0	50.0	32,154
Mombasa	46.2	53.8	106,287	Trans Mara	54.2	45.8	37,710
Taita Taveta	54.8	45.2	30,560	Trans Nzoia	51.4	48.6	103,911
Tana River	45.7	54.3	43,459	Turkana	54.8	45.2	86,194
Malindi	40.3	59.7	55,940	Uasin Gishu	42.1	57.9	100,193
				West Pokot	42.2	57.8	58,240
Eastern	**50.1**	**49.9**	**769,812**	Buret	53.1	46.9	60,625
Embu	61.1	38.9	36,022				
Isiolo	49.2	50.8	18,472	**Western**	**49.5**	**50.5**	**676,222**
Kitui	44.5	55.5	105,310	Bungoma	51.0	49.0	176,386
Makueni	45.2	54.8	121,481	Busia	51.7	48.3	84,385
Machakos	53.2	46.8	169,629	Mt. Elgon	55.1	44.9	41,113
Marsabit	56.0	44.0	19,002	Kakamega	48.9	51.1	108,702
Mbeere	57.9	42.1	28,786	Lugari	50.1	49.9	37,431
Meru Central	50.2	49.8	67,252	Teso	48.7	51.3	43,019
Moyale	54.1	45.9	10,404	Vihiga	42.9	57.1	92,395
Mwingi	45.7	54.3	58,169	Butere/Mumias	49.7	50.3	92,790
Meru North	51.8	48.2	92,765				
Tharaka	47.7	52.3	18,484				
Meru South	52.9	47.1	24,036				
North Eastern	**48.4**	**51.6**	**180,449**				
Garissa	50.3	49.7	61,699				
Mandera	54.8	45.2	62,509				
Wajir	39.3	60.7	56,241				

Chapter 7 Other Household Income and Transfers

7.0 Introduction

Household expenditure is a function of income and transfers into the household. Consumption in the household is also generally pegged to these variables. The main source of household income is salary & wage for those who are employed, business income for those running own businesses and agricultural income for those in the agriculture sector. Considering that household expenditures are usually reported to be higher than income, capturing supplementary income and transfers to a household helps in understanding the magnitude of overall household expenditure patterns[8].

This Chapter is divided into two sections: Other Household Income, and Transfers. The section on incomes presents data on supplementary income other than employment, business and agricultural income. The supplementary income captured was for any member of the household. The reference period was the last 12 months. The different sources of this income include income from savings, interest, pension, investment income or other one-time windfall such as a lottery.

The second section presents data on transfers into or out of the households. These directly affect the level of disposable income and normally influence the pattern of consumption of goods and services in a household. Transfers can either be in cash or in kind. The section presents aggregated data on gifts received and given out by the household over the past 12 months. The value of gifts received and given out, as reported by the respondent, is recorded in monetary terms (expressed in Kenya shillings).

7.1 Other household income

Results from the KIHBS show that only 11.5 per cent (Table 7.1) of all households received Other Income, which was on average Kshs 17,172 per household (Table 7.2). Households in urban areas received an average of Kshs 26,701 while rural ones received Kshs 10,055. On average, about 15 per cent of all households received income from pension of Kshs 9,734 as shown in Table 7.3. The survey results show that there are more households in the rural areas (16%) receiving pension compared to urban areas (11.6%). There is, however, a wide disparity in the amounts received between Urban (Kshs 27,304) versus Rural (Kshs 5,690). In Central province, about 1 in every 3 households receive pension compared to only 5.6 per cent of households in North Eastern Province.

Table 7.4 presents the proportion of households receiving rental income and the average amounts of households by average Other Income received from various sources. About 37 per cent of households received rental income from residential, commercial, land, subsoil assets or other property. Rental income was more pronounced in urban areas (57.7%) compared to rural areas (30.3%). Slightly over 26 percent of the rental income was received from residential buildings while income from commercial buildings contributed about 19.3 per cent. Besides residential, commercial, land and sub-soil assets, income from other types of property account for 41 per cent of all rental income in the country. Households in the urban areas receive 22 per cent of rental income from residential buildings. Household in Coast Province received 40 per cent (Kshs 12,557) of other income from residential buildings.

7.2 Transfers

Transfers are defined as transactions in which an individual, household or institution provides good, service or asset to another individual, household or institution without counter compensation. Cash transfer consists of payments of currency or transferable deposit by one unit to another without any counterpart. A transfer in kind consists either the transfer of ownership of a good or assets, other than cash, or provision of service without any counterpart.

Cash transfers

Data on proportions of households that received cash transfers are presented in Table 7.7. A large portion of households in Kenya (70%) received cash transfers. About 74 per cent of households in the rural areas received cash transfers compared

[8] Other incomes will be discussed in detail under the National Accounts report.

to 57.3 per cent in urban areas. North Eastern Province benefitted most with over 87.2 per cent of the households receiving cash transfers followed by 82.2 per cent of households in Eastern Province.

Table 7.8 presents data on average value of transfers in cash or in kind, received from various sources. On average about 78 per cent (or Ksh 129,825) of transfers were received from outside Kenya; 9.2 per cent (Ksh 15,312) from the corporate sector, while 4.9 per cent (Ksh 8,128) were from the non-profit institutions. Government sector transfers stood at only 3 per cent (Ksh 4,912). Households in Nairobi and Coast Province benefitted most receiving Ksh 215,264 and Ksh 101,709 respectively, as transfers from outside Kenya.

In kind transfers

Distribution of average "other in kind" gift transfers received by source and region are presented in Table 7.9. Transfers in kind from outside the country recorded 69 per cent (Kshs 23,416) of the total transfers received, while transfers in-kind from government institutions recorded 10.0 per cent (Ksh 3,386).

Table 7.10 presents the percentage distribution of households that gave out gifts in form of transfers. Nationally, about 83 per cent of all households gave out gifts. Households in Nyanza Province were most compassionate considering that 87.9 per cent of the households gave out gifts. Only 32 per cent of the household is North Eastern Province gave out any form of gifts.

Cash transfers were the highest form of transfers accounting for 57.9 per cent (Ksh 6,741) of total transfers as reflected in Table 7.11. Food transfers accounted for the least of 16 per cent (Ksh 1,869). Households in Nairobi gave out highest transfers in both cash and food of Ksh 21,813 and Ksh 6,266 respectively.

Table 7.1: **Proportion of Households that Receive Other Income by Region**

Region	Percent	Total Count	Region	Percent	Total Count
Kenya	**11.5**	**6,802,944**	**Nyanza**	**13.4**	**990,480**
			Gucha	10.0	96,640
Rural	11.6	5,111,484	Homa Bay	15.3	66,326
Urban	11.1	1,691,460	Kisii	16.2	101,128
			Kisumu	12.7	120,104
Nairobi	**8.7**	**686,036**	Kuria	12.9	35,396
			Migori	11.7	108,879
Central	**9.5**	**977,855**	Nyamira	14.3	102,810
Kiambu	6.8	187,397	Rachuonyo	11.1	71,780
Kirinyaga	5.9	129,598	Siaya	17.9	125,039
Murang'a	13.8	91,886	Suba	14.2	34,148
Nyandarua	4.7	111,804	Bondo	12.9	57,374
Nyeri	9.8	185,123	Nyando	9.1	70,857
Thika	12.9	172,153			
Maragua	14.4	99,895	**Rift Valley**	**10.3**	**1,617,915**
			Baringo	8.3	58,775
Coast	**9.0**	**580,061**	Bomet	21.9	74,636
Kilifi	7.0	106,143	Keiyo	6.6	35,344
Kwale	7.7	107,145	Kajiado	13.3	100,201
Lamu	1.7	15,544	Kericho	5.5	112,623
Mombasa	15.2	189,005	Koibatek	5.6	32,617
Taita Taveta	6.4	65,369	Laikipia	3.4	96,075
Tana River	2.2	40,663	Marakwet	3.9	32,796
Malindi	4.5	56,194	Nakuru	5.6	296,109
			Nandi	11.8	137,463
Eastern	**15.6**	**1,040,378**	Narok	15.9	74,785
Embu	7.8	75,803	Samburu	1.2	32,684
Isiolo	7.0	18,076	Trans Mara	15.4	32,649
Kitui	6.8	107,666	Trans Nzoia	18.1	128,404
Makueni	31.1	158,604	Turkana	12.2	82,869
Machakos	34.6	211,557	Uasin Gishu	11.6	147,054
Marsabit	5.1	26,586	West Pokot	11.5	68,382
Mbeere	6.0	40,537	Buret	12.5	74,450
Meru Central	9.1	124,341			
Moyale	4.7	10,296	**Western**	**15.3**	**741,375**
Mwingi	5.0	63,333	Bungoma	17.8	185,425
Meru North	2.1	126,483	Busia	12.3	80,000
Tharaka	5.7	21,834	Mt. Elgon	15.2	28,046
Meru South	5.9	55,261	Kakamega	9.4	125,356
			Lugari	21.6	45,589
North Eastern	**1.7**	**168,844**	Teso	5.9	41,346
Garissa	0.4	58,348	Vihiga	20.2	122,243
Mandera	4.9	46,789	Butere/Mumias	15.5	113,369
Wajir	0.4	63,707			

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Table 7.2: Proportion of Households Receiving Other Income in form of Savings, Interest, and Investment Income by Amount Received

Region	Percent	Amount (KSh)	Total Count	Region	Percent	Amount (KSh)	Total Count
Kenya	**16.0**	**17,172**	**783,519**	**Nyanza**	**9.9**	**4,424**	**132,643**
				Gucha	1.3	2,606	9,694
Rural	12.0	10,055	595,098	Homa Bay	3.0	2,967	10,158
Urban	28.6	26,701	188,422	Kisii	11.8	479	16,418
				Kisumu	12.4	2,466	15,233
Nairobi	**30.9**	**44,034**	**59,396**	Kuria	10.0	5,632	4,583
				Migori	3.4	43,653	12,780
Central	**15.0**	**5,043**	**93,167**	Nyamira	6.3	1,611	14,727
Kiambu	23.4	3,281	12,717	Rachuonyo	14.6	258	7,950
Kirinyaga	0.0	-	7,661	Siaya	19.7	4,145	22,430
Murang'a	18.2	1,691	12,684	Suba	12.7	14,400	4,836
Nyandarua	12.5	680	5,272	Bondo	0.8	200	7,387
Nyeri	17.6	3,165	18,202	Nyando	13.3	1,287	6,446
Thika	19.3	10,524	22,293				
Maragua	3.6	1,800	14,338	**Rift Valley**	**17.0**	**26,995**	**167,145**
				Baringo	5.8	19,000	4,885
Coast	**28.4**	**15,970**	**52,286**	Bomet	16.2	1,617	16,363
Kilifi	28.8	2,225	7,461	Keiyo	10.4	12,000	2,329
Kwale	21.3	46,300	8,206	Kajiado	46.7	27,105	13,375
Lamu	0.0	-	269	Kericho	0.0	-	6,182
Mombasa	32.4	16,095	28,752	Koibatek	38.2	2,589	1,840
Taita Taveta	2.8	-	4,185	Laikipia	0.0	-	3,279
Tana River	71.6	1,251	905	Marakwet	32.6	-	1,291
Malindi	34.8	668	2,508	Nakuru	12.7	6,344	16,632
				Nandi	16.3	13,584	16,187
Eastern	**13.3**	**7,543**	**162,787**	Narok	0.9	26,469	11,862
Embu	33.2	12,969	5,882	Samburu	0.0	-	378
Isiolo	34.0	1,769	1,272	Trans Mara	2.6	2,354	5,014
Kitui	32.5	3,159	7,287	Trans Nzoia	8.3	5,528	23,184
Makueni	9.9	8,631	49,288	Turkana	55.2	87,848	10,075
Machakos	11.1	7,856	73,118	Uasin Gishu	7.6	3,235	17,126
Marsabit	0.0	-	1,346	West Pokot	14.6	214	7,854
Mbeere	0.0	-	2,444	Buret	30.6	13,457	9,290
Meru Central	8.8	7,799	11,312				
Moyale	12.9	-	484	**Western**	**13.0**	**3,110**	**113,304**
Mwingi	4.1	9,500	3,184	Bungoma	16.3	1,292	32,916
Meru North	48.7	9,520	2,673	Busia	0.0	-	9,828
Tharaka	0.0	-	1,236	Mt. Elgon	16.0	2,019	4,266
Meru South	45.2	2,000	3,261	Kakamega	3.8	3,028	11,780
				Lugari	6.0	2,701	9,844
North Eastern	**11.6**	**74**	**2,793**	Teso	21.2	2,800	2,423
Garissa	100.0	-	210	Vihiga	7.1	4,553	24,659
Mandera	5.0	210	2,309	Butere/Mumias	30.4	4,683	17,588
Wajir	0.0	-	274				

Table 7.3: Proportion on Households Receiving Other Income who Received Pension by Average amount Received

Region	Percent	Amount (KSh)	Total Count	Region	Percent	Amount (KSh)	Total Count
Kenya	**14.8**	**9,734**	**783,519**	**Nyanza**	**13.4**	**4,784**	**132,643**
				Gucha	7.9	7,562	9,694
Rural	15.9	5,690	595,098	Homa Bay	19.2	4,442	10,158
Urban	11.6	27,304	188,422	Kisii	7.7	2,000	16,418
				Kisumu	3.8	6,016	15,233
Nairobi	**22.3**	**40,111**	**59,396**	Kuria	0.0	.	4,583
				Migori	10.0	4,400	12,780
Central	**31.7**	**5,539**	**93,167**	Nyamira	0.5	1,000	14,727
Kiambu	45.3	2,338	12,717	Rachuonyo	47.3	5,143	7,950
Kirinyaga	19.1	843	7,661	Siaya	19.9	5,424	22,430
Murang'a	44.4	4,818	12,684	Suba	30.7	4,182	4,836
Nyandarua	48.8	3,977	5,272	Bondo	19.3	5,527	7,387
Nyeri	24.9	10,682	18,202	Nyando	12.1	1,852	6,446
Thika	27.1	5,816	22,293				
Maragua	24.4	7,954	14,338	**Rift Valley**	**9.1**	**7,635**	**167,145**
				Baringo	14.5	3,000	4,885
Coast	**13.1**	**4,264**	**52,286**	Bomet	5.6	6,480	16,363
Kilifi	26.2	4,760	7,461	Keiyo	35.0	8,987	2,329
Kwale	25.4	3,621	8,206	Kajiado	5.7	3,940	13,375
Lamu	29.7	2,970	269	Kericho	15.7	12,100	6,182
Mombasa	5.7	3,639	28,752	Koibatek	16.9	3,699	1,840
Taita Taveta	19.8	4,914	4,185	Laikipia	21.1	2,000	3,279
Tana River	28.4	8,000	905	Marakwet	32.6	900	1,291
Malindi	0.0	.	2,508	Nakuru	9.8	9,016	16,632
				Nandi	3.3	1,100	16,187
Eastern	**9.7**	**4,837**	**162,787**	Narok	14.2	3,500	11,862
Embu	19.1	1,829	5,882	Samburu	60.4	6,000	378
Isiolo	6.3	2,700	1,272	Trans Mara	0.0	-	5,014
Kitui	17.0	3,321	7,287	Trans Nzoia	4.7	44,464	23,184
Makueni	4.0	12,367	49,288	Turkana	13.0	167	10,075
Machakos	9.1	3,144	73,118	Uasin Gishu	10.6	2,845	17,126
Marsabit	28.9	545	1,346	West Pokot	9.6	9,838	7,854
Mbeere	35.4	1,747	2,444	Buret	5.4	6,257	9,290
Meru Central	17.8	3,979	11,312				
Moyale	30.6	1,769	484	**Western**	**15.7**	**7,485**	**113,304**
Mwingi	25.7	10,000	3,184	Bungoma	19.0	15,310	32,916
Meru North	0.0	.	2,673	Busia	12.8	4,050	9,828
Tharaka	0.0	.	1,236	Mt. Elgon	8.0	3,812	4,266
Meru South	15.3	12,911	3,261	Kakamega	6.4	1,500	11,780
				Lugari	20.8	1,532	9,844
North Eastern	**5.6**	**1,883**	**2,793**	Teso	19.3	1,328	2,423
Garissa	0.0	.	210	Vihiga	15.6	3,052	24,659
Mandera	0.0	.	2,309	Butere/Mumias	16.1	5,981	17,588
Wajir	57.4	1,883	274				

Table 7.4: Proportion of Households Receiving Other Income who Received Rental Income (Ksh) and amount received by Source

Region	Percent	Residential	Commercial	Land	Sub Soil Assets	Other Property	Total Count
Kenya	**36.9**	**10,929**	**7,623**	**3,920**	**1,352**	**16,375**	**783,519**
Rural	30.3	4,423	4,235	3,939	1,370	7,080	595,098
Urban	57.7	17,467	13,781	3,677	700	43,736	188,422
Nairobi	**51.3**	**31,717**	**9,593**	**-**	**-**	**180,000**	**59,396**
Central	**30.8**	**9,898**	**13,677**	**869**	**1,750**	**2,800**	**93,167**
Kiambu	30.0	9,627	31,781	4,000	-	-	12,717
Kirinyaga	80.9	1,227	5,000	557	-	-	7,661
Murang'a	28.9	22,189	-	634	-	2,800	12,684
Nyandarua	22.2	3,652	-	-	-	-	5,272
Nyeri	28.2	7,381	-	-	1,750	-	18,202
Thika	25.2	8,788	7,462	-	-	-	22,293
Maragua	21.3	21,624	6,557	2,800	-	-	14,338
Coast	**77.6**	**12,557**	**3,737**	**1,442**	**800**	**12,502**	**52,286**
Kilifi	87.4	5,958	2,062	-	-	-	7,461
Kwale	82.9	7,545	10,000	-	800	-	8,206
Lamu	70.3	1,000	350	-	-	250	269
Mombasa	77.8	16,784	3,649	-	-	15,431	28,752
Taita Taveta	63.0	3,194	6,525	1,442	-	900	4,185
Tana River	13.4	4,800	-	-	-	-	905
Malindi	76.8	7,761	5,000	-	-	-	2,508
Eastern	**20.4**	**7,133**	**3,994**	**1,555**	**772**	**1,783**	**162,787**
Embu	83.9	2,789	800	2,000	700	8,000	5,882
Isiolo	59.7	1,273	1,400	700	-	-	1,272
Kitui	40.9	16,421	850	1,826	-	-	7,287
Makueni	12.0	2,100	1,532	1,269	-	260	49,288
Machakos	9.7	14,868	5,768	167	-	-	73,118
Marsabit	15.5	6,012	9,375	25,000	-	-	1,346
Mbeere	62.2	500	389	600	-	1,200	2,444
Meru Central	18.6	831	20,000	800	-	-	11,312
Moyale	59.1	515	200	-	-	-	484
Mwingi	74.3	16,355	3,216	3,564	800	-	3,184
Meru North	49.0	999	-	5,000	-	-	2,673
Tharaka	100.0	365	500	445	-	-	1,236
Meru South	76.2	1,275	684	162	-	-	3,261
North Eastern	**28.9**	**7,947**	**15,000**	**5,996**	**-**	**-**	**2,793**
Garissa	100.0	10,000	-	-	-	-	210
Mandera	18.3	9,784	-	5,996	-	-	2,309
Wajir	63.9	550	15,000	-	-	-	274
Nyanza	**35.2**	**3,562**	**6,114**	**2,405**	**-**	**12,156**	**132,643**
Gucha	45.4	765	440	3,798	-	300	9,694
Homa Bay	40.8	5,851	2,234	789	-	10,000	10,158
Kisii	30.9	3,498	1,255	232	-	-	16,418
Kisumu	58.0	4,928	16,320	-	-	-	15,233
Kuria	29.0	2,441	2,161	3,000	-	-	4,583
Migori	29.0	1,558	855	141	-	-	12,780
Nyamira	45.6	4,449	675	5,756	-	-	14,727
Rachuonyo	38.6	1,553	-	-	-	1,200	7,950
Siaya	3.8	6,840	-	-	-	25,000	22,430
Suba	38.2	3,494	8,697	-	-	18,946	4,836
Bondo	36.9	5,764	1,950	-	-	1,750	7,387
Nyando	61.4	1,401	-	-	-	-	6,446
Rift Valley	**40.6**	**6,807**	**17,000**	**5,551**	**600**	**18,395**	**167,145**
Baringo	19.3	200	-	-	600	-	4,885
Bomet	4.2	321	-	-	-	-	16,363

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Table 7.4: Contd...

Region	Percent	Residential	Commercial	Land	Sub Soil Assets	Other Property	Total Count
Keiyo	46.4	3,570	3,600	-	-	-	2,329
Kajiado	59.7	17,796	-	10,995	-	11,447	13,375
Kericho	9.1	1,400	889	-	-	-	6,182
Koibatek	75.2	2,979	2,979	100	-	-	1,840
Laikipia	78.9	6,719	-	1,452	-	-	3,279
Marakwet	41.0	322	-	-	-	-	1,291
Nakuru	86.8	9,764	7,014	10,268	-	-	16,632
Nandi	15.4	3,310	-	-	-	-	16,187
Narok	74.4	6,517	3,000	1,072	-	-	11,862
Samburu	-	-	-	-	-	-	378
Trans Mara	28.4	-	-	1,380	-	-	5,014
Trans Nzoia	26.7	3,041	1,028	225	-	3,441	23,184
Turkana	-	-	-	-	-	-	10,075
Uasin Gishu	67.4	7,032	33,483	700	-	800,000	17,126
West Pokot	78.6	532	10,800	7,806	-	1,825	7,854
Buret	11.7	3,600	-	2,000	-	-	9,290
Western	**35.9**	**4,379**	**5,517**	**4,802**	**-**	**1,050**	**113,304**
Bungoma	46.9	6,231	10,954	3,708	-	-	32,916
Busia	7.7	8,056	1,570	-	-	-	9,828
Mt. Elgon	37.6	2,430	3,386	11,333	-	-	4,266
Kakamega	22.3	2,436	800	-	-	-	11,780
Lugari	38.7	2,556	4,122	4,252	-	-	9,844
Teso	47.6	2,350	700	150	-	1,050	2,423
Vihiga	23.8	1,338	1,708	520	-	-	24,659
Butere/Mumias	53.5	1,907	4,310	8,855	-	-	17,588

Table 7.5: Proportion of Households Receiving Other Income who received Other Average Regular Income by Region

Region	Percent	Amount	Total Count	Region	Percent	Amount	Total Count
Kenya	**9.3**	**9,958**	**783,519**	**Nyanza**	**11.1**	**2,427**	**132,643**
				Gucha	31.4	4,785	9,694
Rural	9.4	7,834	595,098	Homa Bay	14.2	715	10,158
Urban	9.1	16,909	188,422	Kisii	13.1	547	16,418
				Kisumu	6.1	-	15,233
Nairobi	**13.8**	**18,934**	**59,396**	Kuria	27.3	1,254	4,583
				Migori	7.6	537	12,780
Central	**7.9**	**11,570**	**93,167**	Nyamira	21.7	1,012	14,727
Kiambu	0.0	-	12,717	Rachuonyo	0.5	10,000	7,950
Kirinyaga	0.0	-	7,661	Siaya	5.0	6,571	22,430
Murang'a	13.8	34,778	12,684	Suba	7.5	6,752	4,836
Nyandarua	9.6	10,000	5,272	Bondo	0.0	-	7,387
Nyeri	9.1	5,000	18,202	Nyando	3.9	200	6,446
Thika	11.2	1,403	22,293				
Maragua	6.9	8,000	14,338	**Rift Valley**	**6.3**	**19,756**	**167,145**
				Baringo	11.1	806	4,885
Coast	**2.4**	**40,644**	**52,286**	Bomet	9.0	8,656	16,363
Kilifi	0.0	-	7,461	Keiyo	0.0	-	2,329
Kwale	3.4	38,000	8,206	Kajiado	1.9	-	13,375
Lamu	0.0	-	269	Kericho	0.0	-	6,182
Mombasa	1.8	18,000	28,752	Koibatek	0.0	-	1,840
Taita Taveta	5.2	135,000	4,185	Laikipia	0.0	-	3,279
Tana River	28.4	8,000	905	Marakwet	0.0	-	1,291
Malindi	0.0	-	2,508	Nakuru	0.0	-	16,632
				Nandi	22.7	5,745	16,187
Eastern	**10.9**	**7,738**	**162,787**	Narok	1.1	1,500	11,862
Embu	13.3	7,277	5,882	Samburu	39.6	500	378
Isiolo	0.0	-	1,272	Trans Mara	0.0	-	5,014
Kitui	18.6	2,590	7,287	Trans Nzoia	0.0	-	23,184
Makueni	10.5	6,871	49,288	Turkana	28.0	58,303	10,075
Machakos	2.2	433	73,118	Uasin Gishu	0.0	-	17,126
Marsabit	58.5	513	1,346	West Pokot	6.8	1,000	7,854
Mbeere	0.0	200	2,444	Buret	10.5	2,484	9,290
Meru Central	56.5	15,757	11,312				
Moyale	0.0	-	484	**Western**	**11.6**	**2,787**	**113,304**
Mwingi	10.5	2,000	3,184	Bungoma	2.5	2,000	32,916
Meru North	51.0	2,750	2,673	Busia	6.1	1,600	9,828
Tharaka	0.0	-	1,236	Mt. Elgon	0.0	-	4,266
Meru South	0.0	-	3,261	Kakamega	30.6	5,454	11,780
				Lugari	23.9	1,924	9,844
North Eastern	**0.0**	**-**	**2,793**	Teso	11.6	1,000	2,423
Garissa	0.0	-	210	Vihiga	19.2	1,762	24,659
Mandera	0.0	-	2,309	Butere/Mumias	4.3	1,600	17,588
Wajir	0.0	-	274				

Table 7.6: Proportion of Household Receiving Other Income who Received Non-regular Income by average amount Received

Region	Percent	Non Regular Income (Kshs)	Total Count	Region	Percent	Non Regular Income (Kshs)	Total Count
Kenya	**41.4**	**12,758**	**783,519**	**Nyanza**	**43.0**	**7,201**	**132,643**
				Gucha	22.3	1,648	9,694
Rural	47.8	10,533	595,098	Homa Bay	31.1	3,183	10,158
Urban	21.3	28,535	188,422	Kisii	51.9	5,658	16,418
				Kisumu	32.1	3,993	15,233
Nairobi	**22.7**	**52,252**	**59,396**	Kuria	45.9	3,998	4,583
				Migori	53.2	6,703	12,780
Central	**39.5**	**15,268**	**93,167**	Nyamira	31.9	14,056	14,727
Kiambu	6.7	6,019	12,717	Rachuonyo	28.9	37,094	7,950
Kirinyaga	0.0	-	7,661	Siaya	66.7	2,888	22,430
Murang'a	29.7	9,190	12,684	Suba	23.0	43,368	4,836
Nyandarua	36.0	126,251	5,272	Bondo	64.5	4,010	7,387
Nyeri	44.4	10,170	18,202	Nyando	24.8	8,608	6,446
Thika	53.8	11,111	22,293				
Maragua	71.4	6,583	14,338	**Rift Valley**	**40.1**	**14,528**	**167,145**
				Baringo	76.3	21,173	4,885
Coast	**6.1**	**15,449**	**52,286**	Bomet	71.5	21,152	16,363
Kilifi	0.0	-	7,461	Keiyo	8.2	-	2,329
Kwale	0.0	-	8,206	Kajiado	4.5	7,000	13,375
Lamu	0.0	-	269	Kericho	81.8	15,388	6,182
Mombasa	7.1	20,000	28,752	Koibatek	0.0	-	1,840
Taita Taveta	27.0	7,208	4,185	Laikipia	0.0	-	3,279
Tana River	0.0	-	905	Marakwet	26.4	5,959	1,291
Malindi	0.0	-	2,508	Nakuru	0.0	-	16,632
				Nandi	58.4	9,470	16,187
Eastern	**61.1**	**10,705**	**162,787**	Narok	24.2	10,077	11,862
Embu	3.1	900	5,882	Samburu	0.0	-	378
Isiolo	0.0	-	1,272	Trans Mara	69.0	10,821	5,014
Kitui	15.4	41,511	7,287	Trans Nzoia	57.9	4,736	23,184
Makueni	74.0	6,580	49,288	Turkana	46.0	30,723	10,075
Machakos	82.6	12,446	73,118	Uasin Gishu	29.4	8,000	17,126
Marsabit	0.0	-	1,346	West Pokot	0.0	-	7,854
Mbeere	2.4	700	2,444	Buret	69.6	24,820	9,290
Meru Central	6.8	32,000	11,312				
Moyale	10.3	20,000	484	**Western**	**40.3**	**7,291**	**113,304**
Mwingi	0.0	-	3,184	Bungoma	28.0	3,194	32,916
Meru North	3.5	-	2,673	Busia	75.8	2,202	9,828
Tharaka	0.0	-	1,236	Mt. Elgon	49.6	11,113	4,266
Meru South	8.8	1,000	3,261	Kakamega	61.4	11,887	11,780
				Lugari	45.0	13,450	9,844
North Eastern	**70.2**	**22,883**	**2,793**	Teso	26.8	34,391	2,423
Garissa	0.0	-	210	Vihiga	57.1	5,567	24,659
Mandera	84.9	22,883	2,309	Butere/Mumias	2.6	31,760	17,588
Wajir	0.0	-	274				

Table 7.7: **Proportion of Households Receiving/Giving transfers who Received Cash**

Region	Percent	Total Count	Region	Percent	Total Count
Kenya	**70.0**	**4,390,095**	**Nyanza**	**68.6**	**797,068**
			Gucha	68.1	26,422
Rural	74.1	3,321,904	Homa Bay	77.3	57,331
Urban	57.3	1,068,191	Kisii	67.3	95,292
			Kisumu	64.9	107,417
Nairobi	**56.8**	**441,330**	Kuria	62.6	10,674
			Migori	78.1	95,442
Central	68.6	613,598	Nyamira	49.0	83,048
Kiambu	71.4	162,839	Rachuonyo	82.7	66,236
Kirinyaga	64.5	41,889	Siaya	71.0	114,657
Murang'a	80.9	59,584	Suba	70.3	29,126
Nyandarua	70.2	58,159	Bondo	75.8	53,384
Nyeri	65.2	93,247	Nyando	53.9	58,037
Thika	62.3	120,287			
Maragua	67.9	77,593	**Rift Valley**	**63.8**	**892,629**
			Baringo	71.5	39,768
Coast	**73.0**	**361,294**	Bomet	71.4	18,923
Kilifi	78.4	62,430	Keiyo	33.5	14,029
Kwale	76.3	65,296	Kajiado	86.0	86,522
Lamu	76.3	9,244	Kericho	56.1	17,432
Mombasa	57.7	110,767	Koibatek	73.6	9,686
Taita Taveta	78.0	53,022	Laikipia	72.8	27,226
Tana River	94.8	22,116	Marakwet	30.3	17,153
Malindi	82.5	38,420	Nakuru	63.6	160,311
			Nandi	62.5	55,719
Eastern	**82.2**	**712,135**	Narok	88.8	62,175
Embu	45.6	39,922	Samburu	89.7	22,420
Isiolo	89.3	16,990	Trans Mara	75.4	22,941
Kitui	89.0	73,596	Trans Nzoia	22.3	85,027
Makueni	94.2	123,599	Turkana	86.4	70,231
Machakos	92.6	160,569	Uasin Gishu	34.0	93,305
Marsabit	96.0	21,617	West Pokot	90.3	56,698
Mbeere	70.1	18,984	Buret	43.4	33,062
Meru Central	58.5	85,737			
Moyale	100.0	9,967	**Western**	**75.7**	**537,074**
Mwingi	87.8	47,385	Bungoma	57.9	107,013
Meru North	70.7	64,700	Busia	86.1	42,383
Tharaka	88.5	15,366	Mt. Elgon	21.5	18,957
Meru South	77.7	33,705	Kakamega	87.0	108,933
			Lugari	86.2	38,834
North Eastern	**87.2**	**34,967**	Teso	58.0	24,766
Garissa	100.0	21,049	Vihiga	84.0	98,585
Mandera	74.8	9,794	Butere/Mumias	80.6	97,605
Wajir	50.9	4,124			

Table 7.8: **Average Amount of Transfers Received, (KSh) by Source and Region**

Region	Individual	Non Profit Institution	Government	Corporate Sector	Outside Kenya	Total Count
Kenya	**8,115**	**8,128**	**4,912**	**15,312**	**129,895**	**3,073,477**
Rural	5,691	6,816	5,016	10,005	19,318	2,461,567
Urban	17,742	11,509	3,821	20,290	182,447	611,910
Nairobi	**28,018**	**8,674**	**-**	**28,952**	**215,264**	**250,791**
Central	**9,702**	**5,099**	**2,800**	**10,680**	**13,676**	**420,924**
Kiambu	7,582	2,331	2,800	10,000	24,068	116,338
Kirinyaga	4,238	6,333	-	11,000	-	27,030
Murang'a	8,449	40,000	-	1,000	-	48,221
Nyandarua	10,281	3,951	-	.	-	40,817
Nyeri	19,112	15,000	-	.	-	60,812
Thika	7,373	848	-	14,838	8,109	74,983
Maragua	9,710	2,000	-	.	20,000	52,722
Coast	**6,276**	**6,208**	**4,048**	**7,470**	**101,709**	**263,732**
Kilifi	8,364	1,000	-	.	82,248	48,958
Kwale	1,877	250	-	12,000	-	49,808
Lamu	13,084	.	-	-	-	7,054
Mombasa	6,223	12,802	5,000	-	186,033	63,881
Taita Taveta	10,421	2,000	-	540	46,456	41,365
Tana River	2,833	-	100	-	-	20,976
Malindi	5,845	-	-	-	11,294	31,689
Eastern	**6,144**	**14,562**	**5,121**	**20,000**	**15,429**	**585,194**
Embu	2,431	1,463	5,000	.	2,924	18,191
Isiolo	12,273	450	200	.	60,000	15,175
Kitui	6,756	16,722	1,233	20,000	.	65,520
Makueni	7,869	350	2,266	-	.	116,390
Machakos	6,935	30,404	10,639	-	10,000	148,669
Marsabit	6,413	-	4,200	-	.	20,759
Mbeere	3,935	4,867	.	-	.	13,307
Meru Central	6,010	911	.	-	.	50,139
Moyale	9,205	6,317	1,960	-	10,000	9,967
Mwingi	4,098	800	5,000	-	-	41,596
Meru North	2,658	-	-	-	-	45,713
Tharaka	4,771	4,530	3,962	-	-	13,597
Meru South	3,180	1,500	-	-	-	26,172
			-	-		
North Eastern	**15,838**	**2,000**	**1,575**	**-**	**85,661**	**30,477**
Garissa	22,037	2,000	6,000	-	106,142	21,049
Mandera	5,293	-	933	-	3,668	7,330
Wajir	27,254	-	-	-	.	2,098
Nyanza	**6,245**	**4,332**	**11,241**	**5,564**	**4,696**	**546,419**
Gucha	4,680	632	7,389	-	-	17,999
Homa Bay	2,200	-	-	-	2,400	44,308
Kisii	5,224	-	23,000	-	562	64,150
Kisumu	7,393	-	.	5,000	30,000	69,695
Kuria	4,004	1,716	1,656	-	-	6,679
Migori	8,356	-	-	5,000	1,500	74,506
Nyamira	13,409	5,000	-	15,000	30,000	40,731
Rachuonyo	4,427	1,311	-	-	3,840	54,757
Siaya	4,989	450	-	-	2,190	81,366
Suba	4,550	5,000	1,000	8,108	4,415	20,486
Bondo	5,763	19,700	-	-	9,701	40,450
Nyando	6,716	7,484	10	3,220	149	31,293
Rift Valley	**4,334**	**13,782**	**4,110**	**10,463**	**56,922**	**569,331**
Baringo	5,549	300	-	-	8,911	28,454
Bomet	3,981	7,455	4,214	-	-	13,511
Keiyo	6,821	-	-	-	-	4,704

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Table 7.8: **Contd...**

Region	Individual	Non Profit Institution	Government	Corporate Sector	Outside Kenya	Total Count
Kajiado	4,693	7,173	-	1,700	47,114	74,373
Kericho	3,008	8,895	5,758	-	-	9,784
Koibatek	3,268	-	1,965	-	-	7,130
Laikipia	8,155	-	-	75,000	-	19,826
Marakwet	6,457	-	-	-	6,000	5,198
Nakuru	3,335	45,867	216	2,000	312,440	101,904
Nandi	9,751	28,355	8,200	-	-	34,829
Narok	1,980	-	-	-	-	55,211
Samburu	4,354	6,500	-	-	-	20,110
Trans Mara	1,560	-	-	-	-	17,295
Trans Nzoia	5,768	1,921	-	-	100,000	18,954
Turkana	826	13,352	-	-	-	60,709
Uasin Gishu	12,102	20,000	7,000	2,000	50,000	31,762
West Pokot	882	4,065	2,256	-	-	51,220
Buret	8,521	2,170	8,500	6,500	1,200	14,357
Western	**4,324**	**982**	**682**	**10,071**	**5,104**	**406,609**
Bungoma	2,982	471	-	500	20,000	61,977
Busia	6,635	364	234	-	29,000	36,485
Mt. Elgon	3,041	-	-	-	-	4,080
Kakamega	2,695	200	-	-	283	94,753
Lugari	2,853	3,246	20,000	-	3,000	33,460
Teso	2,054	1,000	-	-	1,000	14,356
Vihiga	8,045	1,600	-	-	10,812	82,859
Butere/Mumias	3,993	545	-	22,000	-	78,639

Table 7.9: **Distribution of In-Kind Gifts (transfers in Ksh) by Source**

Region	Individual	Non Profit Institution	Government	Corporate Sector	Outside Kenya	Total Count
Kenya	**2,313**	**3,223**	**3,386**	**1,457**	**23,416**	**3,073,477**
Rural	2,082	2,568	3,532	2,068	10,761	2,461,567
Urban	3,191	5,116	847	1,056	26,390	611,910
Nairobi	**4,078**	**5,976**	**500**	**1,188**	**32,270**	**250,791**
Central	**3,589**	**2,088**	**-**	**5,000**	**8,479**	**420,924**
Kiambu	2,031	1,518	-	-	5,000	116,338
Kirinyaga	1,453	-	-	-	-	27,030
Murang'a	2,084	4,537	-	-	-	48,221
Nyandarua	3,502	-	-	5,000	-	40,817
Nyeri	10,494	-	-	-	-	60,812
Thika	2,863	1,300	-	-	-	74,983
Maragua	1,215	-	-	-	10,000	52,722
Coast	**2,660**	**1,488**	**1,141**	**587**	**27,094**	**263,732**
Kilifi	4,924	-	-	-	38,717	48,958
Kwale	762	1,000	-	650	-	49,808
Lamu	4,000	1,340	-	-	-	7,054
Mombasa	2,053	.	-	-	-	63,881
Taita Taveta	2,455	350	-	240	29,728	41,365
Tana River	880	1,508	1,141	-	-	20,976
Malindi	2,698	3,744	-	-	4,765	31,689
Eastern	**2,316**	**2,599**	**3,770**	**-**	**326**	**585,194**
Embu	1,602	5,870	.	-	440	18,191
Isiolo	1,300	50	1,000	-	-	15,175
Kitui	1,741	16,024	599	-	300	65,520
Makueni	2,623	3,163	655	-	-	116,390
Machakos	3,018	193	33,615	-	300	148,669
Marsabit	2,933	2,400	-	-	-	20,759
Mbeere	894	1,602	3,000	-	-	13,307
Meru Central	1,647	-	-	-	-	50,139
Moyale	2,411	2,815	1,616	-	-	9,967
Mwingi	2,892	-	634	-	-	41,596
Meru North	1,258	-	-	-	-	45,713
Tharaka	1,100	2,196	-	-	-	13,597
Meru South	1,339	500	-	-	-	26,172
North Eastern	**1,203**	**11,460**	**11,031**	**1,000**	**6,000**	**30,477**
Garissa	1,279	13,399	11,031	1,000	-	21,049
Mandera	850	1,000	-	-	6,000	7,330
Wajir	-	-	-	-	-	2,098
Nyanza	**1,167**	**1,270**	**1,170**	**300**	**11,919**	**546,419**
Gucha	631	1,282	-	-	-	17,999
Homa Bay	889	-	-	-	4,000	44,308
Kisii	1,015	100	-	-	-	64,150
Kisumu	1,007	-	-	-	40,000	69,695
Kuria	846	-	-	-	-	6,679
Migori	1,491	-	850	250	-	74,506
Nyamira	906	-	-	-	3,000	40,731
Rachuonyo	949	4,952	600	-	-	54,757
Siaya	1,144	720	-	1,000	-	81,366
Suba	1,141	654	-	-	1,500	20,486
Bondo	1,351	833	-	-	-	40,450
Nyando	5,365	-	2,740	-	-	31,293
Rift Valley	**2,083**	**2,915**	**2,589**	**-**	**6,228**	**569,331**
Baringo	4,914	1,500	9,915	-	-	28,454
Bomet	1,803	600	2,573	-	-	13,511
Keiyo	411	1,000	.	-	-	4,704

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Table 7.9: **Contd...**

Region	Individual	Non Profit Institution	Government	Corporate Sector	Outside Kenya	Total Count
Kajiado	3,816	3,800	1,200	-	10,000	74,373
Kericho	575	1,600	2,788	-	-	9,784
Koibatek	1,414	-	1,772	-	-	7,130
Laikipia	1,458	500	.	-	-	19,826
Marakwet	882	-	.	-	-	5,198
Nakuru	3,307	2,000	.	-	-	101,904
Nandi	1,594	5,193	2,235	-	-	34,829
Narok	1,003	2,760	2,000	-	4,000	55,211
Samburu	7,031	400	2,000	-	-	20,110
Trans Mara	1,800	-	.	-	-	17,295
Trans Nzoia	5,708	-	.	-	-	18,954
Turkana	413	2,455	.	-	-	60,709
Uasin Gishu	1,059	6,000	1,938	-	9,586	31,762
West Pokot	1,116	1,500	.	-	400	51,220
Buret	2,363	-	600	-	-	14,357
Western	**1,276**	**498**	**300**	**170**	**1,484**	**406,609**
Bungoma	1,134	400	-	170	-	61,977
Busia	1,017	235	-	-	-	36,485
Mt. Elgon	837	-	300	-	-	4,080
Kakamega	899	-	-	-	-	94,753
Lugari	1,010	1,000	-	-	1,515	33,460
Teso	832	-	-	-	-	14,356
Vihiga	2,146	-	-	-	1,200	82,859
Butere/Mumias	1,054	673	-	-	-	78,639

Table 7.10: **Proportion of Households Receiving/Giving Transfers who gave out Gifts by Region**

Region	Percent	Total Count	Region	Percent	Total Count
Kenya	**82.8**	**4,390,095**	**Nyanza**	**87.9**	**797,068**
			Gucha	59.2	26,422
Rural	81.4	3,321,904	Homa Bay	85.2	57,331
Urban	87.4	1,068,191	Kisii	87.4	95,292
			Kisumu	94.2	107,417
Nairobi	**86.3**	**441,330**	Kuria	76.3	10,674
			Migori	80.9	95,442
Central	**84.2**	**613,598**	Nyamira	89.0	83,048
Kiambu	92.0	162,839	Rachuonyo	96.2	66,236
Kirinyaga	66.9	41,889	Siaya	87.4	114,657
Murang'a	78.8	59,584	Suba	81.8	29,126
Nyandarua	66.2	58,159	Bondo	91.5	53,384
Nyeri	89.5	93,247	Nyando	95.5	58,037
Thika	88.2	120,287			
Maragua	82.3	77,593	**Rift Valley**	**84.9**	**892,629**
			Baringo	72.1	39,768
Coast	**79.4**	**361,294**	Bomet	54.4	18,923
Kilifi	74.2	62,430	Keiyo	65.7	14,029
Kwale	79.7	65,296	Kajiado	97.6	86,522
Lamu	62.1	9,244	Kericho	59.5	17,432
Mombasa	92.7	110,767	Koibatek	51.6	9,686
Taita Taveta	82.0	53,022	Laikipia	60.0	27,226
Tana River	13.4	22,116	Marakwet	86.1	17,153
Malindi	87.3	38,420	Nakuru	88.3	160,311
			Nandi	77.3	55,719
Eastern	**72.8**	**712,135**	Narok	94.7	62,175
Embu	87.3	39,922	Samburu	21.9	22,420
Isiolo	38.7	16,990	Trans Mara	95.7	22,941
Kitui	64.1	73,596	Trans Nzoia	90.5	85,027
Makueni	62.3	123,599	Turkana	96.0	70,231
Machakos	78.7	160,569	Uasin Gishu	84.7	93,305
Marsabit	14.4	21,617	West Pokot	94.8	56,698
Mbeere	77.0	18,984	Buret	95.1	33,062
Meru Central	92.7	85,737			
Moyale	59.5	9,967	**Western**	**86.4**	**537,074**
Mwingi	65.8	47,385	Bungoma	85.0	107,013
Meru North	83.1	64,700	Busia	41.3	42,383
Tharaka	71.9	15,366	Mt. Elgon	90.3	18,957
Meru South	81.0	33,705	Kakamega	88.9	108,933
			Lugari	95.1	38,834
North Eastern	**31.8**	**34,967**	Teso	94.1	24,766
Garissa	15.9	21,049	Vihiga	91.5	98,585
Mandera	55.0	9,794	Butere/Mumias	93.2	97,605
Wajir	58.2	4,124			

Table 7.11: **Average Value of Gifts Given out as transfers by Region**

Region	Cash	Food	Other	Total Count	Region	Cash	Food	Other	Total Count
Kenya	**6,741**	**1,869**	**3,029**	**3,636,129**	**Nyanza**	**5,091**	**1,467**	**1,251**	**700,254**
					Gucha	3,345	1,179	738	15,652
Rural	3,276	1,338	2,158	2,702,647	Homa Bay	2,500	1,022	809	48,854
Urban	15,424	3,960	4,774	933,483	Kisii	1,588	935	1,008	83,262
					Kisumu	14,794	2,663	2,900	101,153
Nairobi	**21,813**	**6,266**	**6,845**	**381,074**	Kuria	4,309	2,095	952	8,143
					Migori	5,082	1,153	703	77,205
Central	**5,333**	**1,771**	**4,374**	**516,594**	Nyamira	2,493	927	559	73,941
Kiambu	5,844	2,693	1,729	149,734	Rachuonyo	2,189	989	1,265	63,720
Kirinyaga	3,302	1,457	756	28,004	Siaya	4,417	2,214	3,205	100,235
Murang'a	2,847	1,119	1,261	46,979	Suba	4,326	2,365	1,136	23,814
Nyandarua	3,278	1,925	1,149	38,523	Bondo	2,359	1,473	1,230	48,848
Nyeri	8,578	2,009	4,258	83,468	Nyando	3,826	763	1,673	55,426
Thika	5,016	1,202	12,308	106,061					
Maragua	3,832	1,250	793	63,824	**Rift Valley**	**5,941**	**1,715**	**2,513**	**758,054**
					Baringo	10,280	2,605	2,758	28,662
Coast	**5,953**	**1,999**	**1,725**	**286,778**	Bomet	5,034	3,056	5,776	10,294
Kilifi	3,625	2,800	3,840	46,333	Keiyo	35,787	1,119	1,476	9,223
Kwale	3,060	1,577	519	52,053	Kajiado	6,499	2,215	4,127	84,473
Lamu	11,751	2,411	3,187	5,736	Kericho	1,707	5,665	5,963	10,366
Mombasa	9,585	1,721	1,539	102,672	Koibatek	11,615	1,890	5,204	4,995
Taita Taveta	4,338	2,429	2,421	43,494	Laikipia	2,802	2,511	835	16,326
Tana River	3,424	3,807	2,568	2,964	Marakwet	3,772	2,281	4,721	14,766
Malindi	4,146	2,255	909	33,527	Nakuru	6,610	1,537	1,507	141,590
					Nandi	7,589	1,976	4,180	43,063
Eastern	**3,070**	**1,109**	**2,322**	**518,391**	Narok	4,234	1,819	2,762	58,858
Embu	2,195	685	1,050	34,867	Samburu	2,242	398	11,039	4,919
Isiolo	3,221	956	1,854	6,572	Trans Mara	1,583	1,220	3,248	21,943
Kitui	3,041	807	1,273	47,186	Trans Nzoia	2,840	1,804	1,311	76,950
Makueni	1,629	1,284	1,221	76,972	Turkana	1,683	688	1,823	67,449
Machakos	3,405	950	2,068	126,427	Uasin Gishu	7,717	2,268	1,688	79,006
Marsabit	13,731	3,136	600	3,105	West Pokot	3,032	1,232	821	53,722
Mbeere	5,196	1,155	534	14,620	Buret	12,948	3,503	1,474	31,450
Meru Central	4,390	987	1,713	79,468					
Moyale	2,411	1,803	2,341	5,925	**Western**	**2,017**	**1,171**	**1,155**	**463,856**
Mwingi	2,693	1,419	684	31,166	Bungoma	1,405	1,649	1,062	90,988
Meru North	2,088	1,606	11,008	53,743	Busia	1,903	943	352	17,504
Tharaka	2,115	710	1,466	11,045	Mt. Elgon	2,000	1,559	1,294	17,119
Meru South	3,130	1,472	691	27,294	Kakamega	3,064	1,151	1,659	96,790
					Lugari	965	1,446	908	36,923
North Eastern	**1,359**	**816**	**450**	**11,129**	Teso	1,004	625	698	23,305
Garissa	1,000	823	800	3,341	Vihiga	2,070	848	1,043	90,212
Mandera	902	488	188	5,387	Butere/Mumias	2,177	928	1,090	91,015
Wajir	3,775	1,815	.	2,401					

Chapter 8 | Household Enterprises, Access to Credit and Shocks

8.0 Introduction

This chapter consists of three subsections that relate to the households. These are household enterprises, access to credit, and shocks. The section on household enterprises collected detailed information on the ownership and operation of income-generating enterprises/establishments by the surveyed households that were in operation over the past one month. The section on access to credit presents information on credit for all purposes received or sought by household members in the past 12 months, while the section on shocks was based on a reference period of the last five (5) years. The household head or any other responsible member of the household provided the required information as presented in this chapter.

8.1 Household enterprises

A household enterprise/establishment is defined as *a specific location in which a clearly defined economic activity is undertaken.* It is generally at a single location and engaged predominantly in one type of economic activity. Thus, a large firm or enterprise with branches would have one of such branches referred to as an establishment because of its unique location and economic activity undertaken in that location. Examples of establishments are: factory producing leather goods at a specific work site, and a school providing educational services at a given site. Where a single location (work site) encompasses two or more distinct activities, these are treated as separate establishments, provided that separate payroll records are available.

Business/enterprise/firm

These terms are used interchangeably to refer to an economic unit producing goods or providing services. They are entities under whose umbrella an establishment operates. Examples include factories, banks, kiosks, agricultural farms or holdings, taxis, hawkers, etc.

Table 8.1 presents the percentage distribution of non-agricultural income-generating activities by sector. About two-thirds of these activities are found in the wholesale/retail trade sectors. Manufacturing is the second most important sector, taking about one in every ten activities. This type of manufacturing should be seen as the non-formal low technology type such as soap making.

Table 8.4 presents the number of household members engaged in operating different non-agricultural income-generating activities. Most of the household members are engaged in Wholesale and retail trade, where 61 per cent are women; in fact across all the provinces women exceed men in this industry. For most of the other sectors of the economy, specifically finance and insurance services, mining and quarrying, and electricity and water sector, there are more men than women.

The Survey Respondents were asked about the sources of start-up capital for the businesses that they managed. The responses are presented in Table 8.3. Overall, 51.3 per cent said that they used own savings, with a 5 percentage point disparity between rural and urban. Another 15.1 per cent reported that they obtained their start-up capital as a gift from friends while 7.4 per cent obtained loans from family/friend.

8.2 Credit

Credit in this survey refers to *money or goods advanced to a household member (or members) by an individual, organisation or a financial institution with an arrangement to repay at a later date, usually with an interest.* Credit could either be in the form of cash or in kind. The source of credit may be from an informal source such as a shylock, a relative, or a financial institution. Credit plays a key role in contributing towards household expenditure.

Access to credit

Only 30.7 per cent of all households were able to access credit as presented in Table 8.6. Rural-urban disparity is fairly small, at about two (2) percentage points. The highest proportion of households accessing credit in the past 12 months were observed in Nyanza Province (51.6%) followed by Eastern Province (30.6%), while households in North Eastern Province had the lowest access of only 3.5 per cent.

Source of credit

The questionnaire presented thirteen different options for the source of credit as indicated in Table 8.7. Nearly one in every two households access credit from neighbours/friends (45.6%), followed by grocery /local merchant (13.0%) and SACCOs (11.9%). Households in the rural areas access credit mainly from these two sources, while households in urban areas mainly access credit from neighbours and friends (38%) and from SACCOs (19.3%) as shown in (Table 8.7). More than half of the households in North Eastern (68%) and Nyanza (58.3%) Provinces access credit from neighbours and friends.

Self-help groups play a key role in advancing credit to households across the country. Nationally, 11.3 per cent of the households accessed credit from self-help groups. Nyanza Province had the highest percentage of households accessing credit (19%) followed by households in Central Province (18.4%). Commercial banks advanced credit to 4.0 per cent of all the households interviewed. The service was more predominant in North Eastern (13.2%) and Central (7.5%) Provinces.

Reasons for seeking credit

Table 8.8 presents the percentage distribution of households by reason of seeking credit. About 37 per cent of all households sought credit to meet subsistence needs, followed by school fees costs (17.1%) and medical expenses (16%). Over 90 per cent of credit sought by the households in North Eastern Province is mainly for subsistence and school fees.

The amount of credit accessed per household was on average Kshs 27,995 at an interest rate of 7 per cent (Table 8.9). The amount of credit accessed by urban households (Kshs 65,556) is four times more than that of rural households (Kshs 16,729). Nairobi province accessed the highest amount of credit (Kshs 77,669) at an interest rate of about 10 per cent interest.

8.3 Shocks

This section presents information collected on shocks. These are either *economic or social events that impact on a household resulting from an event/ occurrence that negatively affected the welfare of the household.* The shocks may neither be economic, nor necessarily wholly negative in nature, but amongst their effects is a reduction in the economic welfare of the household. The respondents in this section were either the household head or the other most knowledgeable household member. The reference period was the last 60 months (5 years).

Classification of shocks

Shocks were classified as, "Most Severe" "Second Most Severe" and "Third Most Severe" as depicted in Table 8.12. The three most commonly reported "most severe" shocks were death of the household head (83.1%) followed by death of a working member (63.4%), and finally loss death of other family member (56.8%). In the second category of "second most severe shock", large rise in food prices (34.7%) was key while in the third category; severe water shortage and large rise in the prices of agricultural input were key shocks registering 30.7 and 30.2 per cent respectively.

Losses due to shocks

Table 8.13 presents the average value (in Kshs) of losses resulting from shocks by region. On average, households experienced a loss of Kshs 35,771 in the category of "most severe", Kshs 17,776 under the "second most severe" shock, and Kshs 13,329 under the "third most severe shock". Urban areas were more affected, experiencing a loss of about Kshs 54,959 on average while rural areas recorded a loss of Kshs 30,402. This reflects a national income loss by 43.1 per cent of the households, asset loss by 14.4 per cent of the household, and 25.8 per cent of the households reporting a loss in both asset and income.

Response to shocks

Most of the households (11.1%) that experienced shocks spent their cash saving to mitigate against effects of the shocks. About 6 per cent of the households sought help from family and friends while 5.5 per cent worked more and harder. About another 5 per cent of all affected households sold their livestock in addressing the shock

Table 8.1: **Percentage distribution of Income Generating Activities by Industry**

Region	Agricult. forestry, fishing	Mining,. Quarry	Manuf	Constr	Transp Storage, Comm	Wsale, Retail Trade	Finance Insurance Services	Electr/Gas, Water	Community/ Social Services	Not classified	Total Count
Kenya	**5.0**	**0.7**	**9.2**	**0.2**	**0.6**	**65.8**	**3.1**	**1.4**	**8.2**	**5.9**	**1,957,859**
Rural	7.3	1.0	10.6	0.1	0.6	65.9	2.7	0.7	6.1	5.1	1,277,640
Urban	0.8	0.1	6.5	0.3	0.7	65.5	3.7	2.7	12.1	7.5	680,219
Nairobi	**0.8**		**9.5**	**0.4**	**1.2**	**57.4**	**4.0**	**5.2**	**11.5**	**10.0**	**271,509**
Central	**2.2**		**9.2**	**0.2**	**0.9**	**67.9**	**4.2**	**1.1**	**11.2**	**3.2**	**167,782**
Kiambu	0.4		10.4			85.7			2.8	0.9	24,281
Kirinyaga	0.8		1.5			83.5	1.5		12.7		14,281
Murang'a	7.7		5.0			67.6	1.0		4.5	14.2	15,872
Nyandarua	3.6		26.3			54.6	5.4		10.2		18,535
Nyeri			10.5	1.0		59.4	0.9	6.6	19.5	2.0	25,038
Thika	3.2		4.0		3.1	62.3	9.8	0.4	15.2	2.1	50,299
Maragua			12.0			72.6	2.6		6.1	6.7	19,476
Coast	**15.0**	**2.8**	**1.1**	**0.2**	**0.0**	**63.4**	**1.1**	**0.9**	**9.5**	**6.0**	**245,957**
Kilifi	33.2	8.9				48.1	0.8	1.7	4.6	2.8	56,636
Kwale		3.1	3.1			67.2	3.1		14.2	9.3	33,365
Lamu	6.5	12.5	1.5	3.7	1.5	64.3	3.8	1.5	3.7	0.9	6,906
Mombasa			1.1			77.2	0.2	0.5	14.1	7.0	91,414
Taita Taveta	6.7		0.8			66.6	2.4	3.3	9.7	10.6	20,414
Tana River	16.7			2.7		69.9			4.2	6.4	4,424
Malindi	47.0		1.5			44.7	0.9		1.9	4.1	32,797
Eastern	**6.5**	**1.0**	**22.1**	**0.0**	**0.9**	**56.6**	**1.8**	**0.2**	**6.4**	**4.5**	**296,849**
Embu	1.1		11.3			76.3	7.0		2.9	1.5	15,442
Isiolo						71.2			20.4	8.4	5,901
Kitui	4.4		6.9		5.6	59.4			1.0	22.7	27,302
Makueni	12.2	0.8	24.4			54.5	2.6	0.4	4.7	0.4	61,821
Machakos	6.1		35.9		1.0	44.7	0.7		8.2	3.4	100,908
Marsabit	3.3		9.0			65.7				22.0	2,340
Mbeere		3.4	12.2			63.9			20.5		6,518
Meru Central	4.7	8.8	13.3			64.9	6.6	0.9	0.8		25,032
Moyale	8.1					79.5	6.6	2.3		3.5	2,744
Mwingi	4.0		22.0			63.0			5.9	5.1	19,980
Meru North	13.5		7.1			69.2	0.9		8.6	0.7	14,574
Tharaka			5.1	0.5		69.0	0.4		4.9	20.1	2,728
Meru South		1.2	6.8			71.3			15.1	5.6	11,559
North Eastern	**3.6**					**68.7**			**2.7**	**25.1**	**16,819**
Garissa	4.6					57.6			3.7	34.1	10,606
Mandera	15.8									84.2	726
Wajir						99.0			1.0		5,487
Nyanza	**3.8**	**0.8**	**9.7**	**0.0**	**0.4**	**71.1**	**1.5**	**0.3**	**8.2**	**4.1**	**348,775**
Gucha		7.4				91.3		0.4	0.9		11,302
Homa Bay	7.2		11.1		0.3	67.9	2.2		7.6	3.7	26,775
Kisii			16.5	0.3	2.5	63.7	0.3	0.3	13.8	2.5	29,773
Kisumu		1.0	5.1			81.6	1.0		3.7	7.6	51,667
Kuria			8.3		1.5	82.2		0.9	4.9	2.2	5,305
Migori	3.0		14.8			67.4			11.2	3.7	55,438
Nyamira	2.0		0.6			86.9	0.2		10.3		29,437
Rachuonyo	6.4	2.3	3.2		1.1	71.9	2.8		10.0	2.3	31,257
Siaya	3.1	0.2	14.5			53.3	3.4	2.3	14.9	8.3	42,585
Suba	34.2		11.4			46.1	0.4		5.4	2.3	11,184
Bondo	6.7	2.1	11.5			73.3	4.8		1.1	0.5	28,089
Nyando	0.8		10.4			78.1	1.5		2.4	6.6	25,963
Rift Valley	**4.2**		**5.2**	**0.5**	**0.4**	**69.6**	**4.1**	**1.7**	**7.5**	**6.8**	**347,279**
Baringo	11.0				0.8	38.5			0.6	49.2	13,143
Bomet	10.7		0.3		0.3	73.1		13.9	1.5	0.2	12,218

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Table 8.1: **Contd...**

Region	Agricult. forestry, fishing	Mining,. Quarry	Manuf	Constr	Transp Storage, Comm	Wsale, Retail Trade	Finance Insurance Services	Electr/Gas, Water	Community/ Social Services	Not classified	Total Count
Keiyo			12.2		0.5	62.4	0.6		10.0	14.4	7,412
Kajiado	3.8		4.4			62.5	12.2	2.5	7.9	6.7	39,227
Kericho			7.4			82.5	4.3		2.6	3.2	23,907
Koibatek	1.9		10.0			54.4			7.0	26.7	8,939
Laikipia			11.8			54.3	3.3	9.2	21.3		13,922
Marakwet			4.7			89.0			6.2		4,600
Nakuru	3.5		6.1		0.9	73.6	3.7	0.7	10.7	0.7	64,371
Nandi			6.5			68.1	5.5	3.4	3.7	12.7	33,244
Narok	2.0		6.5			85.3	0.4		0.2	5.6	20,654
Samburu						87.2				12.8	1,740
Trans Mara	6.3					85.3			3.4	5.0	8,275
Trans Nzoia	2.5		1.5		0.9	71.5	12.8		3.1	7.6	24,182
Turkana	11.0		6.3	9.1	1.8	67.2				4.6	17,610
Uasin Gishu	12.2		3.5			64.6	0.8		17.7	1.2	36,879
West Pokot						87.4			12.6		8,313
Buret			7.6		0.7	68.3	0.9	5.4	6.4	10.7	8,644
Western	**2.7**	**0.4**	**7.0**		**0.7**	**73.3**	**5.6**	**0.4**	**4.9**	**4.9**	**262,889**
Bungoma	3.7		4.7		2.2	79.3	4.4		5.3	0.4	63,007
Busia	1.8		13.7			80.2	3.7		0.4	0.3	38,740
Mt. Elgon	9.8		7.3			58.4	5.1	2.0	10.2	7.2	10,173
Kakamega			6.3		1.4	69.4	14.6		5.8	2.5	29,088
Lugari			14.7			70.8	12.0	2.0	0.5		13,808
Teso	10.9		2.7		1.6	79.8			5.0		9,419
Vihiga	4.0	1.7	6.0			59.0	4.2	1.3	7.9	15.8	53,823
Butere/Mumias			4.8			81.2	4.1		4.4	5.4	44,830

Table 8.2: **Percentage distribution of Enterprises by Sector and Registration Status**

Industry	Registration status			Total Count
	Formal	Informal	Not Stated	
Agric/forestry/fishing	2.4	95.4	2.2	97,961
Mining/Quarrying	0.6	99.4		13,624
Manufacturing	11.3	88.0	0.7	179,931
Construction	7.3	92.7		3,472
Transport/Storage/Comm	12.4	87.6		11,966
Wholesale/Retail Trade	8.1	91.4	0.5	1,287,698
Finance/InsuranceServices	17.9	79.1	3.0	60,107
Electricity/Gas/Water	40.5	59.5		27,099
Community/Social Services	15.2	84.6	0.3	160,351
Not classified	8.7	83.9	7.4	115,651
Total	**9.5**	**89.5**	**1.0**	**1,957,859**

Table 8.3: **Distribution of Enterprises by Source of main start up Capital by Region**

Region	Loan From Family/Friend	Gift From Family/Friend	Sale of Assets Owned	Proceeds from another Business	Own Savings	Loan From Saccos	Non Agricultural Credit	Money Lender	Inherited	Other	None	Not stated	Total Count
Kenya	7.4	15.1	6.3	11.1	51.3	3.5	0.6	0.4	0.8	3.7	8.8	0.4	1,957,704
Rural	6.2	13.4	8.1	11.1	49.6	2.6	0.6	0.3	0.7	3.8	11.3	0.4	1,277,640
Urban	9.6	18.2	2.8	11.1	54.6	5.0	0.7	0.7	0.9	3.4	4.1	0.3	680,064
Nairobi	9.1	25.4	1.5	10.2	47.7	5.1	0.6		1.1	5.3	5.5	0.7	271,509
Central	7.2	12.5	4.3	12.1	63.6	2.4	1.2	0.6	0.9	2.6	0.4	0.1	167,782
Coast	4.6	9.1	0.4	10.6	46.9	6.8	0.6	0.6	0.8	1.3	23.8		245,957
Eastern	3.7	11.1	9.3	5.9	52.8	2.6	1.0	0.2	1.1	3.9	18.7		296,849
North Eastern	8.2	0.7	38.3	21.0	60.9	5.5			6.4				16,819
Nyanza	9.1	20.7	8.1	9.8	51.1	2.9	0.2	0.7	0.9	1.8	5.4	0.2	348,620
Rift Valley	8.7	11.3	9.8	19.4	46.5	3.0	0.7	0.7	0.3	5.7	4.9		347,279
Western	8.5	14.4	5.4	7.8	55.7	1.5	0.6	0.3	0.2	4.7	2.7	1.7	262,889

Table 8.4: **Number of Persons Operating Enterprises by Sector, Sex`and Region**

Region	Agriculture Forestry and Fishing		Mining and Quarrying		Manufacturing		Construction		Transport, Storage and Communication		Wholesale/ Retail Trade		Finance/Insurance Services		Electricity/ Gas/Water		Community Social Service		Not Classified		Total Count	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
Kenya	74,451	73,634	12,028	3,168	115,747	123,579	1,852	1,620	13,674	5,195	603,515	932,599	43,381	10,655	23,924	4,655	100,192	45,080	53,871	66,165	1,042,634	1,266,350
Rural	72,429	71,006	11,542	2,759	81,842	109,673	-	1,608	8,929	4,734	398,268	606,330	26,189	6,423	6,007	1,407	55,171	16,429	27,670	37,754	688,047	858,123
Urban	2,022	2,627	486	409	33,905	13,907	1,852	12	4,745	461	205,247	326,269	17,191	4,233	17,917	3,248	45,022	28,651	26,201	28,411	354,587	408,227
Nairobi	658	-	.	.	21,476	7,143	1,119	-	3,348	461	78,977	104,605	4,816	1,341	13,647	1,145	9,720	13,749	14,954	14,456	148,713	142,900
Central	2,933	839	.	.	11,555	6,849	253	-	2,157	-	73,581	82,876	5,561	1,840	1,845	188	11,711	5,959	1,907	3,155	111,503	101,707
Coast	31,679	42,176	5,797	2,044	2,730	370	379	-	105	-	77,594	135,172	1,350	734	1,961	759	13,948	5,680	5,917	8,467	141,460	195,402
Eastern	17,788	15,119	2,564	241	27,761	63,728	-	12	626	1,251	85,824	118,902	4,687	1,909	473	784	15,725	3,495	9,325	8,651	164,772	214,090
North Eastern	-	598	.	.	.	.	.	.	.	.	6,213	6,211	.	.	.	.	446	53	1,353	2,664	8,012	9,527
Nyanza	7,129	6,646	2,740	883	28,884	27,305	102	-	1,604	735	72,722	198,577	4,718	2,019	1,077	259	21,056	6,105	5,422	6,451	145,454	248,979
Rift Valley	8,253	5,932	.	.	12,970	10,696	-	1,608	1,329	-	124,158	148,916	12,967	926	4,582	825	20,747	4,227	11,961	14,556	196,967	187,683
Western	6,011	2,324	927	-	10,372	7,488	.	.	4,506	2,748	84,445	137,340	9,282	1,886	339	696	6,839	5,812	3,032	7,768	125,753	166,062

Table 8.5: **Percentage distribution of Enterprises by Location**

	Operation Place											
Industry	**Home Inside Residence**	**Home outside Residence**	**Jua Kali Sheds**	**Local Market**	**Comm-ercial Area Shop**	**Roadside**	**Other Fixed Place**	**Mobile**	**Kiosks**	**Other**	**Not stated**	**Total Count**
Agric/forestry/fishing	6.6	36.7	1.7	15.6	2.6	2.4	1.4	28.0		2.8	2.2	97,961
Mining/Quarrying	8.1	45.7			0.6	1.3	16.2	4.2	0.6	23.1		13,624
Manufacturing	36.7	15.7	3.1	11.2	10.9	5.9	9.9	4.5	0.8	1.3		179,931
Construction	23.2		23.5	7.3				46.1				3,472
Transport/Storage/Comm	11.4	15.0	2.0	21.7			13.6	36.3				11,966
Wholesale/Retail Trade	15.9	13.0	1.4	27.0	12.1	13.8	3.3	8.9	3.1	1.3	0.1	1,287,698
Finance/Insurance Services	1.6	5.1	0.8	3.6	13.8	15.6	7.5	39.1		9.8	3.0	60,107
Electricity/Gas/Water	2.5	8.2	6.0	12.7	30.9	3.7	16.5	9.4		10.1		27,099
Community/Social Services	20.2	11.4	5.9	10.1	21.6	11.2	8.0	8.6	0.1	2.9		160,351
Not classified	16.1	9.5	1.9	13.3	19.0	11.5	0.6	15.8	4.3	0.6	7.4	115,651
Total	**17.0**	**14.0**	**2.0**	**21.5**	**13.0**	**11.9**	**4.5**	**11.0**	**2.3**	**2.0**	**0.7**	**1,957,859**

Table 8.6: **Proportion of Households that sought Credit by Region**

Region	Percent	Total Count	Region	Percent	Total Count
Kenya	**30.7**	**6,788,746**	**Nyanza**	**51.6**	**985,209**
			Gucha	34.0	90,773
Rural	31.2	5,095,653	Homa Bay	61.0	66,326
Urban	29.0	1,693,093	Kisii	64.0	101,762
			Kisumu	57.5	119,053
Nairobi	**28.0**	**684,876**	Kuria	25.5	35,320
			Migori	60.3	108,146
Central	**30.0**	**976,035**	Nyamira	63.1	107,801
Kiambu	27.7	185,376	Rachuonyo	37.1	71,192
Kirinyaga	27.4	128,349	Siaya	38.7	122,766
Murang'a	52.0	91,886	Suba	61.7	33,937
Nyandarua	12.9	113,233	Bondo	41.9	57,492
Nyeri	28.4	184,888	Nyando	59.4	70,640
Thika	38.5	172,153			
Maragua	25.2	100,151	**Rift Valley**	**24.7**	**1,619,701**
			Baringo	25.0	59,392
Coast	**25.3**	**576,037**	Bomet	15.5	74,636
Kilifi	19.1	102,899	Keiyo	7.2	34,645
Kwale	34.4	107,145	Kajiado	12.5	102,160
Lamu	15.1	15,544	Kericho	23.0	113,006
Mombasa	29.3	190,191	Koibatek	13.8	32,783
Taita Taveta	22.7	65,369	Laikipia	27.5	95,317
Tana River	11.4	39,917	Marakwet	23.0	32,796
Malindi	21.9	54,973	Nakuru	25.2	297,167
			Nandi	17.1	137,463
Eastern	**30.6**	**1,038,802**	Narok	37.7	75,426
Embu	25.2	75,520	Samburu	5.0	32,714
Isiolo	47.3	17,764	Trans Mara	24.2	32,387
Kitui	51.1	112,066	Trans Nzoia	45.8	128,404
Makueni	34.2	158,604	Turkana	38.3	82,733
Machakos	39.1	211,145	Uasin Gishu	16.1	146,946
Marsabit	26.0	26,819	West Pokot	31.6	67,278
Mbeere	18.1	40,276	Buret	29.9	74,450
Meru Central	15.2	122,416			
Moyale	1.8	10,388	**Western**	**29.7**	**738,639**
Mwingi	53.0	63,333	Bungoma	28.2	181,342
Meru North	14.0	124,140	Busia	26.7	81,530
Tharaka	6.5	21,551	Mt. Elgon	45.0	31,201
Meru South	19.6	54,780	Kakamega	35.7	124,519
			Lugari	32.4	45,258
North Eastern	**3.5**	**169,447**	Teso	23.1	41,543
Garissa	-	59,208	Vihiga	29.1	119,877
Mandera	9.5	47,049	Butere/Mumias	25.5	113,369
Wajir	2.3	63,190			

Table 8.7: **Percentage distribution of Households by Source of Credit Received**

Region	Commercial Banks	Micro-Finance	Building Societies/ Mortgage	Insurance companies	SACCOS	Other Financial Institutions	Neighbours/ Friends	Grocery/ Local Merchant	Money Lender	Employer	Religious institutions	NGOs	Self-Help Groups	Other Financial Institutions	Total Count
Kenya	**4.0**	**3.6**	**0.3**	**0.1**	**11.9**	**1.2**	**45.6**	**13.0**	**1.9**	**2.5**	**1.3**	**0.2**	**11.3**	**3.1**	**2,733,502**
Rural	3.2	3.2	0.2	0.0	9.7	1.1	47.9	14.8	1.6	1.3	1.4	0.1	12.1	3.3	2,102,879
Urban	6.4	5.2	0.6	0.2	19.3	1.6	38.0	7.1	2.6	6.7	0.9	0.5	8.4	2.4	630,623
Nairobi	**4.6**	**5.1**			**16.2**	**1.6**	**32.2**	**10.6**	**3.7**	**10.1**	**1.9**	**1.5**	**10.2**	**2.4**	**224,919**
Central	**7.5**	**1.9**	**0.6**	**0.1**	**13.5**	**2.1**	**39.3**	**9.8**	**1.8**	**2.9**	**0.8**	**0.2**	**18.4**	**1.1**	**378,363**
Kiambu	3.1	6.6	0.4		10.0	5.6	36.7	2.3		3.8	5.1		26.4		51,744
Kirinyaga	9.0	0.7			17.6	1.9	26.2	6.0	6.0				28.5	4.1	41,316
Murang'a	17.3	0.1			9.7	1.3	33.6	3.6	2.6	5.0		0.9	25.9		74,179
Nyandarua		2.2			10.7	3.6	33.0	41.9		1.4			7.1		21,002
Nyeri	3.3	0.5		0.3	16.2	0.8	39.0	28.4		1.0			10.1	0.3	71,857
Thika	5.3	1.8	0.8		15.2	1.7	55.4	1.8	2.8	4.2	0.4		10.5		86,443
Maragua	10.8	2.8	4.3		13.8	1.6	35.4			2.1			22.1	7.1	31,823
Coast	**5.6**	**7.8**		**0.3**	**10.3**	**0.8**	**49.6**	**6.4**	**11.1**	**2.6**	**0.1**		**4.1**	**1.4**	**198,916**
Kilifi	5.1	15.6		2.6	10.0	2.0			54.9	2.6			5.1	2.1	20,770
Kwale	2.4	5.6			5.1	0.9	68.5	11.6		2.0			3.8		63,987
Lamu					3.6		61.3	4.6		6.8	6.5		6.1	11.0	2,888
Mombasa	9.1	7.9			11.0	0.6	58.3	5.0	0.3	2.4			3.4	2.0	78,042
Taita Taveta		11.9			25.0		39.0		9.7	6.8			7.6		15,354
Tana River	13.1				16.6	3.7	31.1	25.0		1.7			8.8		4,739
Malindi	5.9	5.5			13.6		1.3		68.0	1.3			1.2	3.2	13,136
Eastern	**2.0**	**3.9**	**0.2**	**0.0**	**9.1**	**1.1**	**28.7**	**38.4**		**1.8**	**1.5**	**0.0**	**5.9**	**7.2**	**496,392**
Embu	9.5	4.7	3.7		58.0	5.7	14.2	2.0		2.2					23,631
Isiolo	4.5				10.5	0.8	46.7	35.3					2.2		9,719
Kitui	0.9	0.2			2.3	1.1	28.9	60.6		0.8			2.4	2.7	78,422
Makueni	0.7	2.3			2.4	1.1	23.8	48.1		0.7	1.1		10.0	9.8	112,137
Machakos	3.5	2.0		0.1	4.1		26.1	38.8		2.9	2.4		7.4	12.8	150,147
Marsabit	0.6	1.6			8.8		80.9				4.8			3.3	7,017
Mbeere	0.7	8.4	0.7		30.0	2.5	36.8	5.5		5.0		2.8	6.9	0.7	8,080
Meru Central	0.9	26.7			32.2	3.5	25.6			5.9				5.1	22,554
Moyale	100.0														183
Mwingi						0.7	36.2	58.3			0.7		2.3	1.8	45,240

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Table 8.7: **Percentage distribution of Households by Source of Credit Received**

Region	Commercial Banks	Micro-Finance	Building Societies/ Mortgage	Insurance companies	SACCOS	Other Financial Institutions	Neighbours/ Friends	Grocery/ Local Merchant	Money Lender	Employer	Religious institutions	NGOs	Self-Help Groups	Other Financial Institutions	Total Count
Meru North	0.6	13.8			9.0	3.7	48.4			4.1	4.1		12.5	3.8	23,030
Tharaka	6.3	0.5			15.2		62.6				13.4		1.1	1.0	2,292
Meru South		18.7			49.7		18.5	2.0			7.1		2.0	2.0	13,942
North Eastern	**13.2**				**1.1**		**68.0**	**11.0**	**3.9**	**2.8**					**5,121**
Mandera	15.1						64.6	12.6	4.5	3.2					4,465
Wajir					8.9		91.1								655
Nyanza	**3.3**	**1.0**		**0.0**	**7.2**	**0.6**	**58.3**	**4.8**	**1.2**	**0.8**	**2.1**	**0.1**	**19.1**	**1.4**	**667,919**
Gucha	3.9	2.0			15.7	1.8	29.5		2.6	0.1			44.4		33,947
Homa Bay	1.2	1.6			1.5		86.0	2.1			1.1		5.9	0.5	63,167
Kisii	0.5	0.1			1.4	0.1	47.1	15.3		0.1			35.4		82,320
Kisumu	11.6	1.9			25.1	1.6	45.2	0.5	2.3	3.4	1.4		4.2	2.9	92,116
Kuria	2.6	6.6			8.0	2.0	74.0	0.5			3.4		0.5	2.3	9,989
Migori	3.2	0.6			3.5		69.4	8.8	0.3	1.7	1.0		9.5	2.0	89,223
Nyamira	1.3	0.3			6.8		55.7	4.3		0.2	0.7		27.9	3.0	108,570
Rachuonyo	6.6	0.3			1.3		63.7	4.5	2.3		7.4	2.5	9.5	1.8	30,505
Siaya	0.1	2.5			1.2	1.5	57.7	0.1	0.1		2.1		34.7		57,318
Suba	3.1				2.2	0.3	68.7	13.6	0.2		5.8		4.1	2.1	24,082
Bondo	0.5	1.6			7.2		33.4	2.5	8.3	0.2	6.2		40.2		27,973
Nyando	3.0			0.4	5.0	0.8	75.6		3.5	0.8	6.9		4.0		48,710
Rift Valley	**4.1**	**6.2**	**1.0**	**0.0**	**20.5**	**1.5**	**48.3**	**5.3**	**0.7**	**2.8**	**0.4**	**0.2**	**4.6**	**4.3**	**480,273**
Baringo	1.1	5.5			41.0		41.5	3.8						7.1	20,951
Bomet	4.9	20.6			35.1		30.9			4.7			3.9		11,598
Keiyo	1.0	13.5			66.3		7.5							11.8	2,492
Kajiado	9.9	1.1	7.9		34.6	5.8	16.2			5.1			9.6	9.7	15,291
Kericho	2.5	11.2			44.6		38.0						1.1	2.6	26,003
Koibatek	5.3	33.8			36.4	7.5	3.6			2.9			4.3	6.2	4,928
Laikipia	2.7	5.0			19.8	3.5	36.1		4.6	3.5			23.2	1.7	29,533
Marakwet	4.0				14.6	2.8	71.8		0.3	2.8				3.7	7,814
Nakuru	4.2	4.2	3.5		13.5	0.5	51.1	5.8	0.2	5.7	1.1		8.0	2.1	105,819
Nandi	6.3	28.9			17.8	1.2	38.8						7.0		23,948
Narok	0.3	5.3			13.1		71.4		2.4			2.6	1.9	3.1	34,127
Samburu						12.0	47.9	40.1							1,849
Trans Mara	9.2				0.4	3.1	68.5	3.1	0.7		7.7			7.3	9,110

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Table 8.7: **Contd...**

Region	Commercial Banks	Micro-Finance	Building Societies/ Mortgage	Insurance companies	SACCOS	Other Financial Institutions	Neighbours/ Friends	Grocery/ Local Merchant	Money Lender	Employer	Religious institutions	NGOs	Self-Help Groups	Other Financial Institutions	Total Count
Trans Nzoia	4.1	1.4		0.3	10.1	3.8	62.7			4.9			1.2	11.5	79,364
Turkana					3.9	0.9	36.4	50.4	2.9				2.3	3.2	34,557
Uasin Gishu	16.6	10.7			26.8		43.0			2.8					27,106
West Pokot		3.0			17.6		72.2							7.2	23,425
Buret	2.1	8.6			64.4		22.6	0.3					2.0		22,357
Western	**2.1**	**3.0**		**0.2**	**9.6**	**1.0**	**56.5**	**11.8**	**0.6**	**1.0**	**1.6**		**10.1**	**2.5**	**281,600**
Bungoma	1.0	3.7			10.6	0.2	61.7	2.3		0.9	3.1		12.6	3.9	60,778
Busia		4.1			0.4	3.1	78.8				2.2		11.4		26,773
Mt. Elgon	2.3	0.4			6.3		78.7	0.7	0.6	1.1	1.1			8.9	19,901
Kakamega	2.2	1.8			11.4	0.3	51.1	14.1	1.3	0.8	0.3		14.4	2.3	57,076
Lugari	4.5	4.0		2.3	8.9	1.4	44.8	19.1	3.2		4.1		5.5	2.1	21,830
Teso		10.3			3.1		69.9	4.7					5.6	6.5	11,152
Vihiga	3.0	4.4			9.9	2.4	42.2	29.8		1.4	1.6		4.2	1.1	45,669
Butere/Mumias	3.4				15.4	0.4	48.8	14.2		2.7			15.1		38,422

Table 8.8: **Percentage Distribution of Households by Reasons for borrowing and Region**

Region	Subsistence Needs	Medical Cost	School Fees	Ceremony/ Wedding	Purchase Land	Purchase Agricultural Inputs	Other Business Inputs	Purchase Agricultural Machinery	Purchase/ Construction of Dwelling	Other	Total Count
Kenya	**37.4**	**16.0**	**17.1**	**2.9**	**1.5**	**5.6**	**8.4**	**0.2**	**4.2**	**6.8**	**2,733,675**
Rural	39.2	16.9	16.4	3.1	1.2	6.6	6.7	0.2	2.9	6.9	2,102,879
Urban	31.7	13.0	19.3	2.0	2.5	2.2	13.7	0.1	8.8	6.7	630,796
Nairobi	**43.2**	**12.9**	**17.2**	**0.7**	**0.5**	**2.6**	**10.8**		**7.2**	**4.8**	**224,919**
Central	**34.0**	**14.3**	**20.6**	**1.7**	**1.6**	**8.3**	**8.3**	**0.1**	**3.3**	**7.8**	**378,363**
Kiambu	21.8	13.9	24.2	5.1	1.0	8.6	17.2		5.8	2.4	51,744
Kirinyaga	31.5	11.5	26.8		2.8	12.9	9.1		2.7	2.7	41,316
Murang'a	24.9	15.3	25.7	0.7	1.3	12.1	6.0		1.4	12.5	74,179
Nyandarua	60.8	8.5	6.3	2.5		7.2	2.4		4.3	8.0	21,002
Nyeri	48.8	11.1	16.5		1.9	7.9	8.0		2.1	3.8	71,857
Thika	29.7	18.9	15.1	3.2	1.7	3.5	7.7	0.5	4.7	14.9	86,443
Maragua	38.2	15.0	28.6		2.1	7.6	4.2		2.8	1.6	31,823
Coast	**45.9**	**15.7**	**9.7**	**3.7**	**1.1**	**1.9**	**8.1**		**6.9**	**6.9**	**199,089**
Kilifi	49.7	23.1	14.3	3.7	2.6	1.4	5.2				20,770
Kwale	69.9	9.7	6.8	3.7			4.7		3.2	2.1	63,987
Lamu	29.3	16.3	7.7			28.3	8.0		6.6	3.9	2,888
Mombasa	30.5	17.1	8.9	4.6	0.6	0.5	11.0		12.7	14.2	78,042
Taita Taveta	17.8	15.4	18.5	3.2	7.3	15.4	10.6		4.0	7.7	15,354
Tana River	56.1	10.8	5.4	3.4			5.4		17.2	1.7	4,739
Malindi	47.9	27.4	12.8				10.5		1.3		13,309
Eastern	**53.9**	**14.1**	**12.8**	**1.7**	**1.0**	**3.5**	**5.9**	**0.2**	**2.4**	**4.6**	**496,392**
Embu	14.4	6.6	37.1		1.2	5.5	20.2		9.9	5.0	23,631
Isiolo	72.9	8.9	10.2	1.4			3.3		3.3		9,719
Kitui	80.5	2.0	6.9		0.8	0.9	1.1	0.2	1.8	5.8	78,422
Makueni	57.8	14.6	9.5	5.6	1.4	2.0	4.0		0.7	4.4	112,137
Machakos	49.6	25.7	8.6	1.2	0.4	2.2	4.9	0.3	2.5	4.6	150,147
Marsabit	74.1	4.8	10.2	2.0	4.8		2.9		1.1		7,017
Mbeere	20.5	22.7	23.6			6.3	11.8		8.8	6.3	8,080
Meru Central	9.4	9.7	33.6		3.5	20.7	12.9			10.2	22,554
Moyale	25.0		47.7							27.3	183
Mwingi	80.8	3.6	3.4		1.3		4.9	0.8	3.4	1.8	45,240
Meru North	27.5	16.3	29.4		0.4	12.3	10.1		0.3	3.6	23,030
Tharaka	14.0	39.2	25.8				3.5		8.6	8.9	2,292
Meru South	17.3	4.0	40.1		0.8	11.1	18.9		4.7	3.1	13,942
North Eastern	**75.9**	**17.3**			**2.8**		**3.9**				**5,121**
Garissa	-	-	-		-	-	-	-	-	-	-
Mandera	72.4	19.9			3.2		4.5				4,465
Wajir	100.0										655
Nyanza	**31.6**	**19.6**	**19.5**	**4.0**	**0.9**	**3.3**	**8.7**	**0.4**	**4.2**	**7.9**	**667,919**
Gucha	14.9	17.4	38.1	2.5	0.5	8.1	7.7	2.6	8.1		33,947
Homa Bay	57.2	18.4	8.1	3.2		2.6	4.6		1.3	4.6	63,167
Kisii	28.7	28.3	18.1	1.5	1.7	6.5	5.7		1.8	7.7	82,320
Kisumu	20.2	12.6	28.8	4.1	3.0	0.5	9.0	0.6	14.2	7.0	92,116
Kuria	21.7	25.8	16.8	3.3	5.1	8.2	7.0		6.1	6.0	9,989
Migori	55.1	19.8	4.1	0.7	0.3	2.7	7.8	0.3	3.4	5.8	89,223
Nyamira	21.2	18.3	41.3	2.6	0.7	4.2	4.3		2.5	4.9	108,570
Rachuonyo	21.2	18.5	11.5		0.1	2.3	18.2		5.1	23.1	30,505
Siaya	26.2	24.0	12.4	12.2	0.1	1.7	9.1		0.1	14.2	57,318
Suba	37.7	16.7	7.7	6.1		0.9	21.8	1.4		7.7	24,082
Bondo	28.3	22.1	7.3	8.5		5.5	21.7		3.5	3.0	27,973
Nyando	30.7	17.5	12.2	8.2		0.4	10.8	1.8	1.5	16.9	48,710

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Table 8.8: **Percentage Distribution of Households by Reasons for borrowing and Region**

Region	Subsistence Needs	Medical Cost	School Fees	Ceremony/ Wedding	Purchase Land	Purchase Agricultural Inputs	Other Business Inputs	Purchase Agricultural Machinery	Purchase/ Construction of Dwelling	Other	Total Count
Rift Valley	**24.9**	**15.1**	**21.1**	**1.1**	**3.5**	**10.2**	**10.6**		**6.0**	**7.5**	**480,273**
Baringo	27.4	1.0	35.8	0.8	3.8	13.9	8.2		0.3	8.7	20,951
Bomet	4.8	24.2	34.8		0.2	19.3	10.5		6.2		11,598
Keiyo	8.4		32.5		8.5		13.5		36.1	1.0	2,492
Kajiado	3.3		14.1		9.7	1.1	29.2		38.7	4.0	15,291
Kericho	10.2	19.8	27.7		2.3	9.3	13.6		10.9	6.3	26,003
Koibatek			40.7	3.6	5.9	3.8	26.1		12.6	7.3	4,928
Laikipia	24.0	11.4	26.6		8.9	8.0	8.8		6.7	5.6	29,533
Marakwet	23.4	17.9	31.8		9.7	9.8	3.7		3.4	0.3	7,814
Nakuru	28.4	18.7	18.1	2.7	4.1	6.4	13.2		3.2	5.3	105,819
Nandi	16.3	11.4	29.4			18.7	12.6		7.5	4.2	23,948
Narok	11.5	12.7	0.2	1.8	4.1	35.1	16.8		1.4	16.6	34,127
Samburu	64.5		11.5						12.0	12.0	1,849
Trans Mara	20.8	37.1	2.8		2.9	20.9	14.0			1.5	9,110
Trans Nzoia	23.8	19.3	27.6	1.0	0.3	9.4	4.2			14.2	79,364
Turkana	73.2	10.1	5.0		1.1		4.1		1.1	5.5	34,557
Uasin Gishu	31.1	2.8	22.3		3.4	2.8	8.0		22.0	7.7	27,106
West Pokot	22.0	30.2	13.3		2.6	9.0	11.1		11.0	0.7	23,425
Buret	10.9	12.7	33.7	4.1	8.2	10.3	7.8		2.9	9.3	22,357
Western	**36.9**	**16.9**	**12.9**	**8.0**	**1.0**	**8.7**	**6.6**		**1.9**	**7.2**	**281,600**
Bungoma	22.0	15.0	17.9	8.7	0.2	14.8	11.4		0.3	9.8	60,778
Busia	33.2	27.8	8.4	9.0			4.2		0.2	17.2	26,773
Mt. Elgon	18.2	20.6	16.0	1.3	1.1	22.6	10.7		3.2	6.5	19,901
Kakamega	47.3	20.6	10.6	8.6	0.2	4.7	2.0		2.4	3.6	57,076
Lugari	34.2	3.8	17.4	4.2	2.6	17.9	4.0		5.8	10.3	21,830
Teso	34.9	27.3	7.3			11.9	10.3		3.1	5.2	11,152
Vihiga	55.2	10.7	11.9	14.3	1.3	2.8	2.8		1.0		45,669
Butere/Mumias	37.6	16.8	10.3	6.1	2.9	4.4	10.2		2.7	9.0	38,422

Table 8.9: **Average Amount Borrowed, Interest rate , Repayment Period and Outstanding Loans**

Region	Borrowed (Kshs)	Interest rate* (%)	Repayment period (months)	Outstanding (Kshs)	Total Count
Kenya	**27,994.6**	**7.1**	**6.2**	**19,069.9**	**2,733,675**
Rural	16,728.8	6.3	5.2	12,340.7	2,102,879
Urban	65,555.8	9.5	9.4	40,521.3	630,796
Nairobi	**77,669.4**	**10.0**	**8.8**	**47,033.6**	**224,919**
Central	**19,472.8**	**11.0**	**7.3**	**12,537.3**	**378,363**
Kiambu	19,973.8	3.9	7.2	12,932.5	51,744
Kirinyaga	48,717.2	11.6	10.8	35,002.6	41,316
Murang'a	14,685.3	16.7	6.1	5,697.4	74,179
Nyandarua	19,862.4	18.2	6.7	12,901.4	21,002
Nyeri	15,727.6	5.0	6.0	9,490.1	71,857
Thika	13,152.9	12.6	7.2	11,561.5	86,443
Maragua	17,215.9	15.1	8.9	7,426.8	31,823
Coast	**40,703.9**	**4.7**	**6.7**	**16,310.1**	**199,089**
Kilifi	29,856.7	3.3	8.6	11,423.3	20,770
Kwale	6,051.0	1.8	4.3	5,078.7	63,987
Lamu	16,747.7	4.2	3.9	6,623.7	2,888
Mombasa	78,505.0	4.7	7.2	25,415.8	78,042
Taita Taveta	34,875.6	5.0	8.8	24,564.8	15,354
Tana River	39,269.2	6.8	5.0	17,456.4	4,739
Malindi	15,007.6	31.2	12.9	7,073.9	13,309
Eastern	**17,606.4**	**4.3**	**4.6**	**10,259.1**	**496,392**
Embu	36,057.4	7.9	12.0	24,998.1	23,631
Isiolo	19,257.9	0.8	6.6	12,369.2	9,719
Kitui	7,405.5	1.9	3.4	5,227.8	78,422
Makueni	11,959.9	5.5	2.7	14,178.3	112,137
Machakos	19,973.3	4.0	3.1	7,803.9	150,147
Marsabit	20,827.7	0.2	5.2	19,647.3	7,017
Mbeere	28,718.5	7.2	9.2	12,645.5	8,080
Meru Central	50,593.8	10.6	16.0	23,993.6	22,554
Moyale	10,021.9	-	6.4	5,985.1	183
Mwingi	11,942.6	0.1	2.5	1,081.3	45,240
Meru North	11,947.1	4.1	5.9	15,789.1	23,030
Tharaka	28,512.6	3.9	8.5	14,248.2	2,292
Meru South	26,764.5	10.8	9.7	13,468.9	13,942
North Eastern	**9,563.1**	**2.4**	**4.8**	**3,792.4**	**5,121**
Garissa	-	-	-	-	-
Mandera	12,338.5	0.4	5.0	4,942.6	4,465
Wajir	1,191.1	7.9	4.4	322.7	655
Nyanza	**13,829.1**	**7.4**	**3.8**	**8,940.5**	**667,919**
Gucha	24,912.9	8.6	8.1	16,293.3	33,947
Homa Bay	2,856.3	1.2	2.5	2,216.2	63,167
Kisii	3,931.2	10.7	1.9	1,923.0	82,320
Kisumu	56,002.0	4.6	9.5	41,827.3	92,116
Kuria	13,532.0	1.4	5.5	8,639.6	9,989
Migori	9,975.0	1.5	2.7	5,324.5	89,223
Nyamira	4,753.8	15.4	2.8	2,196.0	108,570
Rachuonyo	7,457.4	0.6	2.8	4,339.5	30,505
Siaya	3,644.7	9.7	2.1	2,835.7	57,318
Suba	5,053.9	2.0	3.7	3,145.3	24,082
Bondo	9,629.9	4.2	2.9	4,901.9	27,973
Nyando	6,949.4	15.6	2.7	4,206.9	48,710

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Table 8.9: **Contd...**

Region	Borrowed (Kshs)	Interest rate* (%)	Repayment period (months)	Outstanding (Kshs)	Total Count
Rift Valley	**44,167.4**	**5.1**	**8.9**	**39,304.0**	**480,273**
Baringo	36,545.9	4.1	9.0	25,714.9	20,951
Bomet	15,576.2	4.6	10.2	7,215.5	11,598
Keiyo	108,714.5	3.8	19.4	83,047.9	2,492
Kajiado	451,925.9	8.4	12.8	494,824.0	15,291
Kericho	29,741.7	9.3	13.3	19,367.2	26,003
Koibatek	73,443.4	7.0	16.2	57,404.8	4,928
Laikipia	77,258.4	7.5	11.3	66,956.7	29,533
Marakwet	26,670.9	2.6	13.2	14,321.4	7,814
Nakuru	15,012.1	4.4	6.5	9,730.3	105,819
Nandi	27,933.1	6.1	8.6	15,710.2	23,948
Narok	15,818.0	5.6	4.4	8,087.0	34,127
Samburu	1,708.4	-	8.8	1,638.0	1,849
Trans Mara	14,286.9	1.7	4.3	8,467.9	9,110
Trans Nzoia	14,263.5	3.8	6.5	11,814.5	79,364
Turkana	5,405.8	0.7	3.0	12,560.7	34,557
Uasin Gishu	121,275.4	6.5	18.5	83,224.7	27,106
West Pokot	38,614.8	1.5	8.7	30,762.3	23,425
Buret	45,530.2	8.3	15.5	49,321.3	22,357
Western	15,523.7	8.5	6.2	10,047.2	281,600
Bungoma	13,961.7	6.3	5.3	6,882.3	60,778
Busia	3,645.1	2.4	3.6	960.0	26,773
Mt. Elgon	7,173.1	3.9	4.0	5,537.4	19,901
Kakamega	17,427.8	16.1	8.2	13,555.1	57,076
Lugari	28,182.5	8.4	10.8	16,363.0	21,830
Teso	5,449.4	1.2	2.8	1,801.1	11,152
Vihiga	19,168.1	11.3	8.7	15,971.2	45,669
Butere/Mumias	19,259.9	6.9	4.5	11,150.2	38,422

* Per annum

Table 8.10: **Percentage distribution of Household Members denied Credit by type of Prospective Creditor**

Region	Commercial Banks	Micro-Finance	Building Societies/ Mortgage	Insurance companies	SACCOS	Other Financial Institutions	Neighbours/ Friends	Grocery/ Local Merchant	Money Lender	Employer	Religious institutions	NGOs	Self-Help Groups	Other Financial Institutions	Total Count
Kenya	**5.3**	**7.1**	**0.5**	**0.1**	**5.5**	**3.1**	**65.4**	**15.7**	**6.4**	**5.2**	**0.4**	**1.0**	**8.6**	**2.8**	**507,567**
Rural	4.9	7.6	0.8	0.2	7.0	3.3	62.2	11.2	2.3	1.9	0.5	1.3	9.9	3.4	310,082
Urban	6.0	6.1	0.1	0.1	3.2	2.9	70.3	22.8	12.8	10.4	0.2	0.5	6.5	1.9	197,486
Nairobi	**4.4**	**5.3**	**0.0**	**0.0**	**2.7**	**0.9**	**71.1**	**31.9**	**17.1**	**12.4**	**0.0**	**0.6**	**6.2**	**2.4**	**134,059**
Central	**6.8**	**9.3**	**0.0**	**0.0**	**7.1**	**1.0**	**55.7**	**14.9**	**2.9**	**5.0**	**0.0**	**0.0**	**10.4**	**6.8**	**44,772**
Kiambu	9.9	11.5	0.0	0.0	0.0	1.2	58.7	42.4	0.0	0.0	0.0	0.0	8.1	10.6	15,216
Kirinyaga	0.0	0.0	0.0	0.0	0.0	7.2	55.2	0.0	30.2	0.0	0.0	0.0	30.4	0.0	3,479
Murang'a	4.5	0.0	0.0	0.0	41.9	0.0	53.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,842
Nyandarua	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,029
Nyeri	0.0	15.5	0.0	0.0	0.0	0.0	51.6	0.0	15.5	0.0	0.0	0.0	0.0	32.9	1,691
Thika	5.1	16.9	0.0	0.0	0.5	0.0	61.0	0.0	0.0	17.5	0.0	0.0	8.2	0.0	12,673
Maragua	9.8	0.0	0.0	0.0	24.6	0.0	37.4	2.6	0.0	0.0	0.0	0.0	16.8	11.3	7,843
Coast	**14.6**	**22.9**	**0.0**	**0.0**	**4.5**	**0.7**	**53.5**	**1.5**	**1.0**	**17.4**	**1.5**	**2.2**	**6.9**	**3.9**	**12,041**
Kilifi	43.7	0.0	0.0	0.0	18.7	0.0	27.2	0.0	0.0	10.5	0.0	0.0	0.0	0.0	2,918
Kwale	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	541
Lamu	0.0	0.0	0.0	0.0	0.0	12.0	62.0	0.0	17.0	0.0	0.0	0.0	0.0	26.0	717
Mombasa	16.0	0.0	0.0	0.0	0.0	0.0	84.0	0.0	0.0	58.7	0.0	0.0	0.0	0.0	3,044
Taita Taveta	0.0	56.2	0.0	0.0	0.0	0.0	55.7	0.0	0.0	0.0	5.0	0.0	0.0	0.0	3,643
Tana River	0.0	60.8	0.0	0.0	0.0	0.0	52.9	15.0	0.0	0.0	0.0	22.9	24.2	24.2	1,178
Eastern	**5.4**	**6.6**	**1.5**	**0.0**	**25.8**	**4.4**	**40.8**	**10.2**	**0.4**	**2.0**	**1.9**	**2.3**	**7.6**	**5.0**	**47,161**
Embu	1.0	10.3	0.0	0.0	49.8	11.2	28.6	2.3	0.0	3.9	1.0	0.0	5.2	7.1	13,352
Isiolo	0.0	0.0	0.0	0.0	0.0	0.0	88.1	52.4	12.0	0.0	0.0	0.0	0.0	3.7	1,381
Kitui	0.0	0.0	0.0	0.0	0.0	0.0	52.2	47.8	0.0	0.0	0.0	0.0	0.0	0.0	2,007
Makueni	0.0	0.0	0.0	0.0	15.4	15.4	31.0	25.0	0.0	0.0	0.0	14.3	14.3	0.0	3,771
Machakos	5.0	1.6	0.0	0.0	19.9	0.0	55.0	13.7	0.0	6.4	0.0	0.0	5.0	0.0	6,558
Marsabit	9.3	0.0	0.0	0.0	0.0	0.0	90.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	569
Mbeere	4.0	8.4	0.0	0.0	0.0	0.0	52.8	12.8	0.0	0.0	16.2	11.0	0.0	5.2	4,882
Meru Central	7.5	20.1	0.0	0.0	21.1	0.0	37.7	0.0	0.0	0.0	0.0	0.0	0.0	17.9	6,133
Mwingi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.5	0.0	0.0	0.0	0.0	58.5	0.0	839
Nyambene	21.4	0.0	12.1	0.0	29.7	0.0	37.9	0.0	0.0	0.0	0.0	0.0	20.4	0.0	5,779
Tharaka	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	640
Meru South	11.5	0.0	0.0	0.0	50.6	0.0	11.5	0.0	0.0	0.0	0.0	0.0	26.3	0.0	1,249

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Table 8.10: **Percentage distribution of Household Members denied Credit by type of Prospective Creditor**

Region	Commercial Banks	Micro-Finance	Building Societies/ Mortgage	Insurance companies	SACCOS	Other Financial Institutions	Neighbours/ Friends	Grocery/ Local Merchant	Money Lender	Employer	Religious institutions	NGOs	Self-Help Groups	Other Financial Institutions	Total Count
North Eastern	**1.0**	**3.2**	**0.0**	**2.1**	**2.4**	**0.0**	**77.5**	**20.2**	**4.5**	**0.0**	**1.2**	**2.1**	**14.9**	**4.1**	**22,457**
Garissa	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	33.3	0.0	0.0	0.0	66.7	33.3	2,074
Mandera	0.0	2.9	0.0	0.0	0.0	0.0	94.1	2.2	0.7	0.0	2.9	0.0	0.0	0.0	6,410
Wajir	1.6	3.8	0.0	3.4	3.8	0.0	76.4	31.4	1.9	0.0	0.6	3.4	14.1	1.6	13,974
Nyanza	**5.8**	**3.1**	**0.0**	**0.3**	**1.9**	**2.4**	**67.7**	**1.8**	**2.5**	**1.4**	**0.6**	**0.1**	**22.8**	**0.4**	**71,436**
Gucha	2.3	0.0	0.0	0.0	0.0	0.0	76.4	0.0	0.0	0.0	0.0	1.2	20.1	0.0	3,420
Homa Bay	1.2	0.0	0.0	0.0	0.0	0.0	92.8	0.0	0.0	0.0	6.0	0.0	0.0	0.0	7,180
Kisii	0.0	2.9	0.0	0.0	2.9	0.0	60.8	0.0	0.0	0.0	0.0	0.0	57.5	0.0	10,220
Kisumu	13.1	9.5	0.0	0.0	0.0	13.1	66.1	11.0	0.0	11.3	0.0	0.0	7.5	0.0	8,014
Kuria	16.3	10.4	0.0	0.0	0.0	0.0	56.7	0.0	0.0	0.0	0.0	0.0	16.5	0.0	2,110
Migori	3.9	0.0	0.0	0.0	0.0	9.5	73.0	0.0	0.0	0.0	0.0	0.0	9.7	3.9	6,763
Nyamira	8.0	1.0	0.0	0.0	6.1	0.0	65.4	0.0	18.8	0.0	0.0	0.0	29.2	0.0	9,415
Rachuonyo	16.1	4.8	0.0	0.0	0.0	0.0	79.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8,019
Siaya	0.0	0.0	0.0	0.0	0.0	0.0	26.5	0.0	0.0	0.0	0.0	0.0	73.5	0.0	4,966
Suba	19.6	0.0	0.0	0.0	0.0	0.0	76.1	0.0	0.0	0.0	0.0	0.0	7.5	0.0	1,502
Bondo	0.0	1.6	0.0	0.0	1.4	0.0	78.8	0.0	0.0	1.6	0.0	0.0	32.0	0.0	3,774
Nyando	0.0	6.5	0.0	3.5	7.0	0.0	57.6	6.5	0.0	0.0	0.0	0.0	6.4	0.0	6,052
Rift Valley	**6.3**	**7.1**	**1.2**	**0.0**	**3.7**	**6.3**	**70.7**	**10.4**	**1.5**	**1.7**	**0.0**	**0.5**	**3.4**	**2.7**	**141,666**
Baringo	10.0	2.9	0.0	0.0	2.1	0.0	85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,731
Bomet	0.0	29.5	0.0	0.0	0.0	0.0	3.9	0.0	0.0	46.6	0.0	20.0	0.0	0.0	2,246
Keiyo	83.9	0.0	7.2	0.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	511
Kajiado	0.0	53.9	0.0	0.0	0.0	22.7	0.0	0.0	0.0	0.0	0.0	0.0	23.3	0.0	2,650
Kericho	0.0	0.0	0.0	0.0	3.1	29.2	100.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	13,450
Koibatek	33.2	17.4	0.0	0.0	33.3	16.1	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,065
Laikipia	0.0	0.0	0.0	0.0	0.0	40.6	44.2	0.0	15.2	0.0	0.0	0.0	0.0	0.0	1,867
Marakwet	0.0	32.1	0.0	0.0	0.0	0.0	67.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,220
Nakuru	2.1	6.3	2.0	0.0	2.5	0.0	93.5	0.7	0.0	1.6	0.0	0.0	4.1	0.0	58,767
Nandi	35.6	29.7	0.0	0.0	5.0	0.0	48.2	0.0	0.0	1.8	0.0	0.0	0.0	0.0	8,035
Narok	0.0	0.0	0.0	0.0	0.0	10.2	66.9	0.0	0.0	0.0	0.0	0.0	0.0	22.9	4,555
Samburu	0.0	0.0	0.0	0.0	8.7	0.0	90.6	21.5	9.4	9.4	0.0	10.9	9.1	0.0	2,432
Trans Mara	0.0	0.0	2.4	0.0	0.0	10.2	63.8	0.0	0.0	0.0	0.0	0.0	10.0	0.0	2,737
Trans Nzoia	12.2	18.1	0.0	0.0	15.2	0.0	22.7	2.2	17.5	0.0	0.0	0.0	0.0	16.9	6,735
Turkana	0.0	0.0	0.0	0.0	0.0	0.0	56.5	69.5	1.6	0.0	0.0	0.0	0.0	4.1	19,648
Uasin Gishu	16.1	0.0	0.0	0.0	16.1	34.9	14.5	0.0	2.2	0.0	0.0	0.0	16.1	0.0	7,631
West Pokot	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	613
Buret	54.6	0.0	16.5	0.0	0.0	0.0	19.8	0.0	0.0	0.0	0.0	0.0	0.0	25.6	2,773

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Table 8.10: **Percentage distribution of Household Members denied Credit by type of Prospective Creditor**

Region	Commercial Banks	Micro-Finance	Building Societies/ Mortgage	Insurance companies	SACCOS	Other Financial Institutions	Neighbours/ Friends	Grocery/ Local Merchant	Money Lender	Employer	Religious institutions	NGOs	Self-Help Groups	Other Financial Institutions	Total Count
Western	**1.2**	**16.4**	**0.4**	**0.0**	**3.7**	**4.5**	**58.5**	**14.0**	**8.0**	**3.6**	**0.0**	**5.0**	**5.3**	**0.6**	**33,975**
Bungoma	0.0	2.6	0.0	0.0	2.6	0.0	94.5	0.0	0.0	2.9	0.0	0.0	0.0	0.0	4,876
Busia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	985
Mt. Elgon	2.1	27.8	0.0	0.0	9.0	0.0	45.4	15.6	0.0	0.0	0.0	0.0	0.0	7.2	2,864
Kakamega	0.0	18.8	0.0	0.0	26.0	0.0	29.3	26.0	0.0	0.0	0.0	0.0	18.8	0.0	3,311
Lugari	0.0	0.0	0.0	0.0	0.0	0.0	98.7	0.0	0.0	0.0	0.0	0.0	1.3	0.0	2,801
Teso	6.0	6.0	0.0	0.0	0.0	23.8	71.1	0.0	7.4	0.0	0.0	0.0	0.0	0.0	2,067
Vihiga	0.9	16.1	1.7	0.0	0.0	0.0	70.4	22.0	13.7	12.6	0.0	0.0	9.0	0.0	8,744
Butere/Mumias	1.8	29.9	0.0	0.0	0.0	12.3	31.5	18.4	16.5	0.0	0.0	8.7	4.1	0.0	8,328

Note - Multiple response question % will not add up tp 100%.

Table 8.11: **Percentage distribution of Household Members who did not Attempt to Borrow by Reason**

Region	No Need	Believed would be Refused	Too Expensive	Too Much trouble for what it is worth	Inadequate Collateral	Do not like to be in Debt	Do not know any lender	Other	Total Count
Kenya	**32.6**	**12.8**	**18.5**	**14.1**	**23.6**	**22.0**	**13.0**	**5.0**	**4,327,201**
Rural	29.2	13.6	19.6	15.0	24.7	22.2	14.4	5.0	3,194,909
Urban	42.1	10.7	15.5	11.6	20.3	21.5	9.1	4.9	1,132,293
Nairobi	**51.6**	**6.8**	**9.8**	**7.6**	**18.8**	**16.0**	**9.1**	**4.7**	**485,406**
Central	**41.7**	**8.6**	**17.4**	**12.4**	**18.8**	**19.0**	**3.4**	**0.7**	**637,361**
Kiambu	33.0	4.1	16.7	17.7	35.6	14.3	6.3	1.1	117,128
Kirinyaga	61.7	7.4	16.5	14.5	14.4	36.6	0.0	0.0	88,469
Murang'a	47.6	2.0	9.6	14.0	29.6	8.0	0.0	0.0	41,994
Nyandarua	30.4	18.0	24.6	12.5	23.4	12.9	4.7	0.4	97,632
Nyeri	48.2	11.9	18.1	7.1	5.6	24.5	1.7	0.7	130,362
Thika	40.4	6.9	12.4	6.7	16.1	15.1	4.8	1.6	94,242
Maragua	32.5	4.8	20.0	17.1	11.7	14.7	4.7	0.7	67,535
Coast	**21.0**	**22.6**	**19.6**	**15.6**	**24.1**	**17.3**	**32.4**	**4.7**	**409,939**
Kilifi	3.8	18.9	22.3	4.0	13.8	10.0	74.0	1.6	78,254
Kwale	9.4	30.8	11.0	27.6	34.2	20.7	18.5	2.8	69,757
Lamu	20.4	9.1	3.7	16.2	8.1	14.4	28.6	7.3	12,394
Mombasa	20.8	23.9	20.1	22.6	29.3	19.0	7.4	11.0	131,488
Taita Taveta	64.6	9.4	19.1	10.0	27.9	17.8	20.6	0.0	46,904
Tana River	39.8	31.0	13.9	13.4	30.6	32.1	39.1	0.0	29,193
Malindi	11.2	24.8	36.2	2.5	6.6	10.0	66.3	1.3	41,949
Eastern	**32.6**	**6.8**	**20.3**	**12.9**	**33.6**	**22.3**	**14.7**	**4.3**	**694,601**
Embu	38.8	4.0	10.1	27.8	31.4	4.2	5.3	8.2	61,764
Isiolo	13.1	27.3	28.2	57.3	19.7	23.4	14.0	0.0	7,845
Kitui	49.9	19.5	12.7	31.8	7.5	45.5	4.7	0.0	52,241
Makueni	23.2	3.0	29.9	5.9	52.0	23.6	13.3	1.2	100,695
Machakos	30.7	0.9	16.1	6.1	41.0	43.4	15.6	2.8	121,636
Marsabit	5.3	16.9	54.5	4.7	3.8	9.3	8.1	0.9	19,611
Mbeere	40.2	2.8	4.3	31.8	46.5	3.3	9.5	4.8	31,006
Meru Central	42.5	7.6	28.2	4.1	25.0	14.2	14.1	4.4	100,382
Moyale	20.5	19.5	11.9	28.6	6.6	62.8	36.6	1.0	10,143
Mwingi	46.6	8.8	16.9	33.0	6.1	36.5	10.5	0.0	28,935
Meru North	30.9	9.8	19.5	7.2	29.1	14.5	23.9	12.8	99,241
Tharaka	18.0	6.5	12.6	1.6	44.6	4.7	45.3	2.9	19,377
Meru South	20.6	2.1	19.9	6.6	62.8	2.5	12.5	1.0	41,726
North Eastern	**5.0**	**34.6**	**12.8**	**14.0**	**21.8**	**26.3**	**48.5**	**0.2**	**134,943**
Garissa	5.6	35.3	5.9	10.7	30.1	22.9	65.3	0.4	55,846
Mandera	1.6	33.7	6.0	13.0	4.1	30.6	34.0	0.0	30,474
Wajir	6.4	34.3	25.1	18.3	23.3	27.5	38.3	0.0	48,623
Nyanza	**33.5**	**18.9**	**15.5**	**14.3**	**17.1**	**30.7**	**10.3**	**5.9**	**397,704**
Gucha	24.6	24.3	12.2	44.7	13.8	36.9	4.8	0.2	54,728
Homa Bay	41.0	0.9	0.0	0.8	0.0	52.7	0.7	30.9	18,570
Kisii	54.6	18.5	29.2	1.8	7.2	19.2	2.5	0.9	25,286
Kisumu	49.5	24.4	9.4	6.6	17.1	9.8	12.2	4.8	40,159
Kuria	28.4	30.9	4.0	40.7	20.5	30.6	15.1	0.8	24,142
Migori	25.7	6.1	6.0	6.6	1.7	55.0	2.0	18.5	37,390
Nyamira	54.7	16.2	11.2	7.8	8.1	27.3	2.9	0.0	30,257
Rachuonyo	21.5	14.6	13.5	6.2	43.8	8.8	20.0	1.4	34,795
Siaya	23.9	24.2	29.9	8.6	29.6	31.1	17.4	6.4	69,013
Suba	19.1	18.8	10.3	8.1	17.2	50.7	23.9	2.1	11,481
Bondo	37.2	13.8	21.4	6.1	20.3	44.1	18.2	3.6	29,473
Nyando	37.9	21.3	18.9	16.7	0.0	16.8	1.5	9.8	22,411
Rift Valley	**32.1**	**12.8**	**17.8**	**17.3**	**24.6**	**25.8**	**10.9**	**5.4**	**1,089,613**
Baringo	21.5	1.2	22.4	22.3	40.8	28.8	2.5	1.4	38,386
Bomet	22.6	26.0	19.4	30.5	43.1	8.9	8.5	10.4	59,746
Keiyo	43.6	12.2	10.7	6.1	13.5	4.0	8.8	4.4	31,451

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Table 8.11: **Contd...**

Region	No Need	Believed would be Refused	Too Expensive	Too Much trouble for what it is worth	Inadequate Collateral	Do not like to be in Debt	Do not know any lender	Other	Total Count
Kajiado	39.4	14.2	27.5	16.4	24.0	44.4	19.7	4.8	85,898
Kericho	22.4	14.2	17.2	29.3	28.8	14.0	5.7	11.2	71,504
Koibatek	32.2	15.3	16.6	6.9	13.2	6.3	16.4	4.4	27,027
Laikipia	53.7	17.9	15.0	11.8	8.3	37.3	10.4	1.9	67,275
Marakwet	17.7	0.0	6.2	2.2	54.2	35.9	21.4	3.5	23,801
Nakuru	43.7	4.4	29.0	9.7	14.1	31.8	9.7	1.8	189,379
Nandi	28.6	8.9	13.5	7.4	27.8	11.6	20.5	5.9	104,612
Narok	38.9	1.9	8.7	12.8	46.0	12.0	4.5	4.4	42,014
Samburu	67.2	11.9	13.5	6.1	3.3	56.5	27.1	1.6	28,442
Trans Mara	26.1	6.1	21.7	23.7	23.4	17.0	14.6	2.0	22,123
Trans Nzoia	32.0	37.5	4.4	25.0	14.4	7.5	3.0	6.4	62,812
Turkana	14.4	37.8	18.9	72.6	0.0	53.6	1.7	0.0	31,402
Uasin Gishu	10.5	6.2	16.7	9.1	44.9	34.4	6.8	6.2	109,506
West Pokot	32.5	29.3	14.8	60.1	0.0	43.6	5.4	0.0	45,429
Buret	22.1	5.9	6.5	1.4	40.4	8.8	14.6	24.0	48,807
Western	**19.2**	**13.9**	**31.4**	**16.4**	**23.3**	**18.7**	**7.6**	**11.9**	**477,634**
Bungoma	28.9	7.9	37.1	2.1	14.7	23.3	10.3	5.5	121,666
Busia	8.8	16.7	28.8	4.5	29.4	18.1	7.7	23.0	55,152
Mt. Elgon	30.0	35.1	8.5	16.7	20.3	4.2	4.5	7.2	14,421
Kakamega	6.5	13.7	24.8	46.1	25.4	13.2	10.3	9.6	76,813
Lugari	9.6	14.2	14.7	41.6	28.9	17.5	11.2	6.8	27,647
Teso	29.9	19.8	36.1	11.4	11.9	14.5	15.0	3.3	28,737
Vihiga	19.3	13.7	41.1	16.5	20.8	18.8	0.4	22.9	76,202
Butere/Mumias	21.1	15.4	29.7	10.4	36.0	22.2	4.3	11.5	76,997

Table 8.12: **Percentage distribution of Ranking of Severity by Shocks**

Shocks	Most Severe	Second Most Severe	Third Most Severe	Not Stated	Total Count
Drought/Floods	46.5	26.4	15.8	11.3	1,717,107
Crop Diseases/Crop Pests	17.4	23.2	20.9	38.5	549,983
Livestock died/Stolen	36.0	32.7	20.2	11.1	1,287,964
Household business failure,Non agricultural	33.3	27.6	20.2	18.9	657,061
Loss of Employment, Salaried	56.5	20.0	12.2	11.2	571,674
End of Regular Assistance	18.9	31.9	24.9	24.3	242,509
Large in sale prices for crops	20.7	28.5	21.3	29.5	588,395
Large rise in prices for Food	26.8	34.7	25.5	12.9	2,426,503
Large rise in agricultural input prices	14.7	25.7	30.2	29.4	903,057
Severe water shortage	17.4	30.1	30.7	21.8	769,043
Chronic/Severe illness/accident of HH member	48.2	32.4	12.7	6.8	1,806,486
Birth in Household	27.3	26.6	22.2	23.9	208,492
Death of Household Head	83.1	9.7	4.4	2.8	287,362
Death of Working Member	63.4	17.7	6.4	12.5	150,592
Death of other family member	56.8	23.5	12.4	7.3	1,733,023
Break-up of Household	41.8	25.2	15.8	17.2	205,980
Jailed	42.0	23.7	16.9	17.4	177,011
Fire	47.3	22.3	14.7	15.7	139,357
Carjacking/Robbery/Burglary/Assault	38.4	30.5	20.4	10.7	377,272
Dwelling Damaged	34.7	27.7	15.8	21.7	152,086
HIV/AIDS	34.8	30.3	13.7	21.1	76,380

Table 8.13: **Estimated Value of Loss due to Shock by Severity (Ksh)**

Shocks	Most Severe	Second Most Severe	Third Most Severe	Total Count
Kenya	**35,771**	**17,776**	**13,329**	**5,785,445**
Rural	30,402	16,702	12,716	4,509,467
Urban	54,959	22,458	16,866	1,275,978
Nairobi	**73,963**	**26,354**	**24,805**	**477,448**
Central	**45,404**	**22,474**	**13,662**	**780,735**
Kiambu	84,976	36,042	22,313	179,221
Kirinyaga	12,094	9,977	3,906	100,869
Murang'a	26,845	41,767	9,291	71,866
Nyandarua	23,326	13,114	6,931	74,257
Nyeri	66,524	17,409	12,902	120,461
Thika	31,527	15,948	10,390	148,127
Maragua	30,823	13,168	12,905	85,934
Coast	**47,426**	**22,855**	**16,094**	**487,994**
Kilifi	31,677	13,327	10,572	84,089
Kwale	20,134	11,992	11,170	98,641
Lamu	36,383	34,526	29,427	14,228
Mombasa	59,418	21,384	14,552	154,040
Taita Taveta	48,707	39,759	19,360	59,242
Tana River	80,430	38,947	22,433	39,660
Malindi	72,882	13,730	7,430	38,094
Eastern	**34,321**	**21,494**	**23,289**	**937,118**
Embu	8,611	13,594	19,306	70,958
Isiolo	23,876	19,080	5,640	17,844
Kitui	8,145	6,863	7,962	95,034
Makueni	64,529	26,433	48,400	147,347
Machakos	57,678	30,763	27,325	196,883
Marsabit	64,149	63,611	15,707	23,498
Mbeere	8,807	7,532	6,751	37,277
Meru Central	26,749	19,014	10,856	106,906
Moyale	50,803	52,247	47,759	10,388
Mwingi	11,630	6,970	17,864	57,588
Meru North	23,312	21,452	12,651	112,624
Tharaka	19,088	14,453	3,976	19,038
Meru South	17,313	15,493	12,439	41,734
North Eastern	**32,001**	**23,073**	**11,315**	**155,259**
Garissa	25,462	18,344	17,368	49,722
Mandera	16,224	12,242	11,306	41,871
Wajir	49,268	31,309	10,519	63,666
Nyanza	**22,586**	**10,403**	**8,249**	**900,093**
Gucha	20,411	12,477	5,282	64,913
Homa Bay	23,325	8,161	8,715	62,668
Kisii	39,462	5,420	5,842	99,749
Kisumu	28,501	13,823	16,145	103,014
Kuria	28,312	21,806	17,965	24,202
Migori	12,001	12,358	9,016	100,278
Nyamira	46,049	11,701	6,821	95,185
Rachuonyo	14,550	11,879	8,795	70,374
Siaya	8,924	7,605	5,525	122,548
Suba	20,682	18,412	14,097	33,991
Bondo	10,406	6,982	6,077	56,925
Nyando	15,713	9,683	9,217	66,246
Rift Valley	**33,999**	**17,714**	**11,635**	**1,394,605**
Baringo	48,247	19,109	17,680	54,882
Bomet	20,512	16,061	11,474	65,915

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Table 8.13: **Contd...**

Shocks	Most Severe	Second Most Severe	Third Most Severe	Total Count
Keiyo	18,997	14,815	8,778	34,126
Kajiado	50,929	7,698	5,132	98,404
Kericho	15,388	13,261	9,312	72,145
Koibatek	44,861	21,986	13,148	29,753
Laikipia	10,500	5,925	8,027	72,097
Marakwet	49,237	16,246	11,082	31,442
Nakuru	34,018	22,698	51,789	189,230
Nandi	26,510	11,972	6,581	129,133
Narok	59,755	29,221	16,354	70,686
Samburu	56,502	13,568	2,582	32,720
Trans Mara	39,214	19,391	9,392	29,825
Trans Nzoia	15,431	15,772	10,402	126,178
Turkana	26,791	9,916	4,837	82,501
Uasin Gishu	65,396	41,432	8,178	138,293
West Pokot	17,025	13,496	6,351	66,817
Buret	22,408	16,298	8,767	70,457
Western	**12,697**	**8,645**	**6,384**	**652,194**
Bungoma	15,614	12,412	6,785	151,139
Busia	7,466	3,652	2,792	70,300
Mt. Elgon	17,480	13,367	12,378	28,210
Kakamega	11,553	6,707	3,673	108,588
Lugari	16,559	6,964	6,812	41,543
Teso	18,551	9,694	13,845	33,003
Vihiga	11,376	5,500	7,474	112,135
Butere/Mumias	9,741	9,658	4,725	107,275

Table 8.14: **Percentage distribution of Households by Responses to Shock and Region**

Region	Spent Cash Saving	Sent Children to live with relatives	Sold assets (tools furnitures etc)	Sold farm land	Rented out farm land	Sold animals	Sold more crops	Worked more, worked longer hours	Other household members who we	Started a new business	Removed children from school to work	Went elsewhere to find work for more than a month	Borrowed	Borrowed money from relative	Borrowed money from money lender	Borrowed money from Institution (banks etc)	Received help from regional Institutions	Received help from local NGO	Received help from Intern. NGO	Received help from Govt.	Received from family friends	Reduced food Consum-ption	Consumed lower cost but less prefered food	Reduced non food Expen-diture	Spiritual help - prayers, Sacrifice, Consulted diviner etc	Other	Total Count
Kenya	**11.1**	**0.5**	**0.9**	**0.3**	**0.4**	**4.9**	**1.3**	**5.5**	**0.7**	**1.0**	**0.2**	**0.8**	**2.8**	**2.1**	**0.4**	**0.3**	**0.7**	**0.5**	**0.3**	**1.2**	**6.1**	**4.0**	**3.4**	**3.5**	**3.5**	**3.5**	**6,027,945**
Rural	11.2	0.4	0.8	0.4	0.4	5.8	1.5	6.1	0.8	0.8	0.2	0.6	2.7	2.1	0.4	0.2	0.7	0.6	0.4	1.4	5.7	4.0	3.4	3.4	3.6	3.5	4,685,169
Urban	10.8	0.6	1.1	0.2	0.2	1.3	0.4	3.2	0.7	1.6	0.1	2.0	3.3	2.2	0.5	0.6	0.5	0.3	0.1	0.7	7.6	3.8	3.2	3.9	3.4	3.2	1,342,776
Nairobi	**22.0**	**2.0**	**2.1**	**0.4**	**0.3**	**1.2**	**0.3**	**6.0**	**1.5**	**3.4**	**0.0**	**5.4**	**8.1**	**5.3**	**1.3**	**1.5**	**1.3**	**0.5**	**0.3**	**1.1**	**25.9**	**3.9**	**4.6**	**6.4**	**2.4**	**7.5**	**481,983**
Central	**12.8**	**0.3**	**0.4**	**0.1**	**0.3**	**1.7**	**0.4**	**4.7**	**0.4**	**0.4**	**0.0**	**0.7**	**2.0**	**1.3**	**0.3**	**0.4**	**0.2**	**0.0**	**0.0**	**0.5**	**3.0**	**2.7**	**2.2**	**2.2**	**2.2**	**2.3**	**898,223**
Kiambu	77.0	3.0	2.6	0.4	0.2	6.5	1.7	5.6	2.7	2.7	0.5	3.9	8.1	5.0	1.5	1.6	0.5	0.3	0.0	0.8	11.2	8.1	16.9	18.4	4.7	2.4	179,221
Kirinyaga	36.1	0.5	0.8	1.1	1.2	9.2	0.3	11.6	0.0	0.0	0.0	0.7	7.9	6.3	0.8	0.8	0.4	0.0	0.0	0.0	13.6	2.6	3.7	3.0	3.1	15.8	100,869
Murang'a	21.9	0.4	0.1	0.3	1.0	7.6	1.5	0.8	1.4	2.5	0.0	0.3	9.2	5.5	0.8	2.9	0.9	0.0	0.0	1.6	11.3	7.0	9.9	6.0	12.2	11.8	71,866
Nyandarua	3.2	0.0	0.1	0.1	0.1	0.5	0.2	3.5	0.0	0.0	0.0	0.2	0.5	0.4	0.1	0.0	0.2	0.0	0.0	0.4	0.8	1.1	0.2	0.6	0.1	0.6	113,378
Nyeri	4.1	0.0	0.1	0.0	0.1	0.3	0.1	4.0	0.0	0.0	0.0	0.1	0.4	0.2	0.1	0.1	0.1	0.0	0.0	0.5	0.7	1.0	0.2	0.2	0.2	0.8	184,361
Thika	24.6	0.0	0.6	0.0	0.6	3.6	1.4	6.3	1.6	1.5	0.0	3.8	4.7	3.3	0.4	1.1	0.0	0.0	0.2	0.5	8.9	9.0	4.6	3.7	12.6	6.2	153,073
Maragua	18.3	0.3	0.8	0.0	1.1	2.4	0.5	14.8	0.3	0.1	0.0	0.5	3.6	3.2	0.0	0.4	0.0	0.0	0.0	0.4	5.2	10.5	1.2	1.0	10.8	5.4	95,455
Coast	**17.4**	**0.6**	**1.5**	**0.4**	**0.2**	**5.8**	**0.7**	**5.1**	**0.8**	**2.3**	**0.2**	**1.6**	**4.3**	**2.5**	**1.6**	**0.2**	**0.5**	**3.2**	**2.6**	**5.6**	**12.7**	**13.1**	**8.7**	**10.7**	**9.5**	**6.0**	**494,046**
Kilifi	48.3	0.4	1.7	2.4	0.0	13.9	0.0	7.0	0.4	5.0	0.0	0.3	16.8	9.0	7.7	0.2	1.6	8.1	3.6	8.7	47.4	5.6	0.4	0.0	3.1	4.0	84,089
Kwale	9.3	0.6	0.9	0.5	0.4	5.2	2.0	1.9	0.4	1.7	0.0	2.0	2.0	1.8	0.0	0.2	0.5	11.5	4.1	9.9	19.6	37.2	26.9	28.8	24.4	17.0	98,641
Lamu	4.7	0.0	1.2	0.0	0.0	4.5	1.6	23.6	1.2	2.7	0.2	0.2	1.4	0.3	0.5	0.5	0.6	0.0	0.0	0.1	2.8	1.3	1.9	1.5	1.0	16.1	14,228
Mombasa	23.0	1.8	1.3	0.0	0.0	1.8	0.7	4.2	2.6	7.6	0.0	6.9	5.4	2.4	2.2	0.8	0.3	1.3	0.8	1.4	24.0	35.0	23.2	31.8	24.3	13.0	154,040
Taita Taveta	23.2	0.3	6.6	0.5	0.6	3.7	0.8	5.2	1.3	1.2	0.9	1.4	2.0	1.2	0.7	0.1	0.1	3.4	9.9	5.7	4.1	19.8	10.8	13.0	6.0	9.4	65,037
Tana River	10.4	0.3	0.1	0.0	0.1	4.3	0.4	4.8	0.3	0.1	0.1	0.3	1.1	0.9	0.1	0.1	0.4	0.5	0.6	4.7	2.1	0.8	1.3	1.9	4.0	0.0	39,917
Malindi	33.1	0.0	3.4	1.9	1.6	34.4	0.6	3.0	0.0	7.5	0.0	0.0	32.4	17.5	14.6	0.3	0.0	9.1	6.8	16.3	40.1	3.4	0.3	0.0	3.3	3.5	38,094
Eastern	**8.5**	**0.6**	**0.8**	**1.1**	**0.4**	**9.6**	**1.8**	**5.7**	**1.0**	**1.4**	**0.4**	**0.8**	**2.4**	**2.0**	**0.1**	**0.3**	**0.5**	**0.2**	**0.4**	**1.7**	**6.1**	**5.0**	**3.7**	**3.9**	**3.7**	**5.1**	**962,134**
Embu	5.4	0.0	0.3	0.1	0.1	1.6	0.7	2.9	0.3	0.8	0.0	0.1	0.8	0.4	0.0	0.4	0.2	0.1	0.0	0.2	2.4	0.4	0.7	0.4	3.6	0.4	75,976
Isiolo	10.7	6.5	1.3	0.2	0.4	18.6	1.6	5.8	4.9	6.0	0.3	1.6	5.2	3.6	0.6	1.1	2.8	0.8	4.3	6.2	17.5	13.6	12.5	14.2	13.0	5.1	17,844
Kitui	32.8	1.7	1.7	2.6	0.8	16.8	1.1	11.0	3.8	3.3	2.6	1.2	3.7	3.3	0.4	0.0	0.7	1.0	0.5	1.5	7.9	29.6	16.8	19.6	2.2	5.0	95,034
Makueni	14.8	0.0	2.6	2.4	0.8	36.5	1.6	17.8	2.5	2.1	0.9	1.9	4.9	4.0	0.6	0.4	0.7	0.9	3.2	5.9	10.4	8.5	7.4	7.2	2.8	21.7	147,523
Machakos	20.0	0.0	2.0	4.4	0.3	34.4	3.0	13.8	0.3	4.9	0.1	0.5	5.2	3.9	0.4	0.8	1.5	0.0	1.0	1.9	21.6	5.8	6.2	5.7	7.4	24.3	196,883
Marsabit	1.4	0.5	0.4	0.0	0.0	4.9	0.0	5.1	3.4	3.3	0.7	0.7	1.4	1.4	0.0	0.0	0.1	6.5	1.6	44.9	8.1	55.1	8.4	1.8	3.6	3.8	23,498
Mbeere	4.7	0.1	0.2	0.0	0.1	3.1	0.7	2.6	0.1	0.7	0.1	0.2	0.4	0.3	0.0	0.0	0.2	0.0	0.1	0.9	1.6	0.4	0.4	0.1	4.5	0.4	40,537
Meru Central	21.9	2.5	1.4	1.7	0.9	12.2	11.3	11.5	2.0	4.2	2.3	6.1	8.3	7.4	0.1	0.8	2.3	0.6	0.0	1.7	17.2	11.1	10.0	11.8	5.7	12.8	107,482
Moyale	3.1	2.0	1.6	0.6	0.0	12.2	1.0	18.1	2.8	2.0	1.5	3.1	7.1	7.1	0.0	0.0	0.0	2.6	1.1	24.2	20.3	49.2	22.0	30.0	14.0	0.8	10,388
Mwingi	31.2	2.4	1.0	1.5	2.1	20.1	2.8	16.3	4.3	2.2	2.2	2.9	5.3	5.3	0.0	0.0	0.3	0.0	0.0	1.5	7.4	25.7	19.4	18.4	4.4	6.8	57,588
Meru North	16.8	4.7	0.5	5.8	2.1	17.5	8.3	6.1	5.1	1.4	1.6	3.2	8.5	7.7	0.0	0.9	1.1	0.0	0.0	1.1	14.4	12.4	9.4	13.7	6.0	8.4	113,389
Tharaka	0.2	0.0	0.2	0.2	0.1	3.5	0.4	2.5	0.3	0.0	0.0	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.4	0.2	0.4	1.8	0.6	21,330
Meru South	0.3	0.0	0.4	0.2	0.0	1.9	0.5	1.4	0.1	0.1	0.0	0.0	0.9	0.8	0.0	0.1	0.0	0.0	0.0	0.3	1.2	0.3	0.4	0.4	1.2	0.3	54,664

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Table 8.14: **Contd...**

Region	Spent Cash Saving	Sent Children to live with relatives	Sold assets (tools furnitures etc)	Sold farm land	Rented out farm land	Sold animals	Sold more crops	Worked more, worked longer hours	Other household members who we	Started a new business	Removed children from school to work	Went elsewhere to find work for more than a month	Borrowed	Borrowed money from relative	Borrowed money from money lender	Borrowed money from Institution (banks etc)	Received help from regional Institutions	Received help from local NGO	Received help from Intern. NGO	Received help from Govt.	Received from family friends	Reduced food Consum-ption	Consumed lower cost but less prefered food	Reduced non food Expen-diture	Spiritual help - prayers, Sacrifice, Consulted diviner etc	Other	Total Count
North Eastern	**16.1**	**6.5**	**3.7**	**0.7**	**0.3**	**21.2**	**1.6**	**1.6**	**0.1**	**2.1**	**0.9**	**1.6**	**6.7**	**6.3**	**0.3**	**0.1**	**0.8**	**12.9**	**2.4**	**5.7**	**7.9**	**23.0**	**15.3**	**12.4**	**19.7**	**0.8**	**156,495**
Garissa	31.3	8.5	10.5	0.0	0.0	19.6	0.4	2.3	0.0	5.3	1.3	2.1	16.3	16.0	0.4	0.0	1.6	3.1	0.0	1.7	10.4	3.3	0.2	3.2	5.0	0.2	50,774
Mandera	9.5	5.4	2.3	1.8	0.7	14.8	1.8	1.1	0.1	0.9	1.4	2.2	2.5	2.1	0.1	0.3	1.0	8.5	2.6	8.4	6.2	18.8	15.4	13.5	1.5	2.0	42,014
Wajir	11.9	6.1	0.1	0.0	0.0	28.7	2.3	1.6	0.0	1.0	0.0	0.7	4.0	3.5	0.5	0.0	0.0	24.4	3.9	5.9	7.8	41.3	26.1	18.0	48.4	0.1	63,707
Nyanza	**9.3**	**0.3**	**1.0**	**0.2**	**0.3**	**3.5**	**1.0**	**4.9**	**0.2**	**0.7**	**0.0**	**0.3**	**2.8**	**2.1**	**0.5**	**0.2**	**0.8**	**0.0**	**0.0**	**0.2**	**5.4**	**3.0**	**2.9**	**4.0**	**3.8**	**1.8**	**930,279**
Gucha	31.3	0.6	0.5	1.3	0.9	4.1	2.1	22.9	1.3	0.6	0.0	0.0	23.8	11.5	11.8	0.5	21.9	0.0	0.7	2.7	15.8	15.7	4.8	7.2	49.0	0.1	64,913
Homa Bay	4.1	0.0	0.2	0.1	0.0	2.6	0.4	0.8	0.0	0.1	0.0	0.1	0.3	0.3	0.0	0.0	0.1	0.0	0.0	0.1	2.9	1.2	1.1	1.2	1.2	1.4	66,326
Kisii	46.8	1.1	6.5	0.3	3.5	3.4	6.0	36.3	1.7	2.9	0.0	2.1	26.2	21.2	4.2	0.7	3.0	0.0	0.0	2.3	20.2	14.3	19.4	31.7	7.5	2.2	99,749
Kisumu	4.7	0.2	0.5	0.0	0.0	1.8	0.2	1.3	0.1	0.4	0.1	0.2	1.1	0.6	0.1	0.3	0.0	0.0	0.0	0.0	1.8	1.2	1.1	1.7	2.0	2.1	114,274
Kuria	36.0	2.1	1.6	0.8	1.1	2.7	2.2	23.5	0.0	1.9	0.0	1.0	6.2	5.0	0.3	0.9	13.2	0.0	0.0	2.5	20.5	13.5	6.9	8.0	42.6	2.9	24,202
Migori	3.7	0.1	0.2	0.1	0.1	1.9	0.3	0.9	0.2	0.1	0.1	0.0	0.4	0.3	0.0	0.0	0.1	0.0	0.0	0.1	1.8	1.9	1.5	1.7	1.9	1.1	108,879
Nyamira	58.2	3.6	6.1	2.0	4.2	8.1	11.5	36.2	1.4	2.0	0.0	3.0	31.1	24.2	4.6	2.3	2.6	0.0	0.0	0.0	19.8	9.2	5.7	27.4	10.9	2.3	95,185
Rachuonyo	17.1	1.4	4.4	1.4	0.0	20.2	0.9	10.1	0.6	3.1	0.0	0.4	3.4	1.9	0.7	0.8	0.5	0.1	0.0	0.0	21.8	6.0	5.7	9.0	13.8	6.4	70,374
Siaya	35.9	1.0	6.0	0.0	0.8	14.5	4.6	16.2	0.0	4.5	0.0	0.3	6.3	4.6	0.8	0.9	4.8	0.3	0.0	0.5	26.6	11.4	15.1	12.3	2.7	4.8	125,047
Suba	0.7	0.0	0.2	0.0	0.1	2.6	0.1	1.3	0.1	0.4	0.1	0.2	0.5	0.5	0.0	0.0	0.0	0.0	0.1	0.1	1.9	3.5	3.3	3.0	3.9	0.6	34,148
Bondo	38.9	0.3	0.8	0.2	0.8	12.9	3.2	21.1	0.0	3.9	0.2	1.5	3.4	2.3	0.9	0.2	3.4	0.0	0.0	0.3	23.9	6.4	12.1	9.0	2.1	3.0	56,925
Nyando	2.0	0.1	0.3	0.1	0.1	1.0	0.0	1.9	0.0	0.2	0.0	0.0	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.0	1.5	0.4	0.0	0.2	3.7	1.5	70,258
Rift Valley	**9.1**	**0.3**	**0.7**	**0.2**	**0.4**	**4.0**	**1.6**	**6.1**	**1.2**	**0.6**	**0.1**	**0.7**	**2.0**	**1.6**	**0.3**	**0.1**	**0.6**	**0.6**	**0.4**	**1.5**	**3.3**	**2.6**	**2.2**	**2.1**	**1.4**	**2.7**	**1,447,154**
Baringo	11.8	0.5	1.2	0.4	0.4	8.0	1.6	8.9	0.6	1.1	0.2	0.6	4.7	4.3	0.1	0.4	0.0	0.5	0.9	3.0	2.1	2.9	2.8	2.0	1.7	4.6	55,894
Bomet	70.2	0.4	3.8	0.8	0.5	2.6	5.0	15.9	0.0	1.1	0.0	1.6	4.3	3.9	0.4	0.0	0.4	0.0	0.0	0.0	0.5	9.2	0.1	9.1	1.4	1.3	65,915
Keiyo	25.5	1.0	2.0	0.6	0.6	26.1	9.4	16.7	1.4	1.1	0.0	0.2	5.9	5.3	0.1	0.6	0.3	0.0	0.0	1.1	9.3	5.0	6.9	2.3	1.4	8.5	34,126
Kajiado	35.5	1.3	1.4	0.9	0.8	15.3	2.7	13.7	2.7	0.0	0.7	2.0	2.5	2.0	0.5	0.0	2.2	7.4	4.0	3.9	7.2	5.4	6.1	5.0	12.3	6.9	98,404
Kericho	68.7	0.3	5.2	0.6	0.7	2.4	4.4	11.1	0.0	0.8	0.0	0.9	4.1	3.6	0.3	0.3	0.1	0.0	0.0	0.1	1.6	5.9	2.1	9.4	13.9	1.7	72,145
Koibatek	15.0	0.2	0.6	0.5	0.0	17.8	5.2	13.8	2.1	2.3	0.3	1.1	3.6	2.9	0.1	0.6	0.2	0.0	0.0	2.7	4.7	6.5	4.3	3.5	2.7	11.5	29,906
Laikipia	32.6	0.0	0.2	0.5	0.5	11.2	1.0	14.0	0.0	0.3	0.0	0.8	5.1	4.6	0.5	0.0	0.4	0.0	0.0	2.3	10.1	2.9	3.3	1.5	1.6	19.6	72,097
Marakwet	11.4	0.4	0.1	0.8	1.9	10.2	4.5	26.6	1.9	0.9	0.0	1.2	5.6	4.6	0.9	0.1	0.1	0.5	0.8	3.9	9.7	4.5	1.3	5.7	1.9	0.5	31,442
Nakuru	5.2	0.3	0.6	0.2	0.1	0.8	0.3	1.5	0.3	0.2	0.2	0.6	1.2	1.1	0.0	0.1	0.1	0.1	0.1	0.1	1.2	0.2	0.5	0.4	0.3	0.4	226,499
Nandi	1.2	0.0	0.2	0.1	0.1	0.5	0.5	2.5	0.3	0.0	0.0	0.1	1.0	0.9	0.1	0.0	0.1	0.0	0.0	0.1	0.2	0.2	0.4	1.3	0.4	1.3	137,463
Narok	3.9	0.5	1.1	0.0	0.3	24.7	1.2	15.2	1.8	7.2	0.3	2.3	3.8	2.6	1.0	0.3	0.0	0.4	0.3	1.9	12.9	7.5	0.4	2.2	5.2	35.7	70,686
Samburu	0.7	0.2	0.0	0.0	0.0	5.2	0.3	1.5	0.6	0.3	0.1	0.4	0.5	0.4	0.1	0.0	0.9	3.0	0.4	6.5	2.3	1.1	0.6	0.4	0.2	0.5	32,942
Trans Mara	8.1	1.6	0.5	0.4	2.7	24.0	5.1	12.6	0.4	3.3	0.0	2.5	3.4	3.3	0.1	0.0	0.1	0.1	0.0	1.0	12.4	10.6	3.2	3.8	5.5	30.8	30,173
Trans Nzoia	36.0	1.3	1.9	1.0	1.5	10.9	14.3	24.1	2.8	4.4	1.1	0.4	10.0	6.7	2.9	0.5	2.5	0.0	0.5	0.8	17.6	8.0	11.3	6.8	2.3	9.3	126,178
Turkana	9.7	3.4	0.7	0.0	0.2	7.9	0.4	44.9	24.6	0.4	0.5	2.6	2.2	0.9	0.8	0.5	9.3	6.7	6.5	18.7	33.5	49.3	34.4	27.6	8.2	3.7	82,501
Uasin Gishu	16.0	0.2	1.4	0.2	2.4	4.9	4.8	14.7	4.7	2.5	0.3	4.6	4.5	3.8	0.3	0.4	0.9	0.0	0.0	0.2	5.5	5.8	3.7	3.8	2.9	0.1	138,293
West Pokot	51.7	0.3	0.4	0.2	2.0	38.7	7.0	12.6	0.3	0.8	0.3	3.9	3.4	2.4	0.8	0.1	2.8	2.4	1.3	14.9	16.8	3.1	7.0	1.3	4.5	3.8	67,477
Buret	1.5	0.2	0.4	0.0	0.2	0.6	0.2	2.3	0.2	0.1	0.1	0.2	0.7	0.6	0.1	0.0	0.1	0.0	0.0	0.0	0.4	0.5	0.4	0.3	0.4	1.6	75,011

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Table 8.14: **Contd...**

Region	Spent Cash Saving	Sent Children to live with relatives	Sold assets (tools furnitures etc)	Sold farm land	Rented out farm land	Sold animals	Sold more crops	Worked more, worked longer hours	Other household members who we	Started a new business	Removed children from school to work	Went elsewhere to find work for more than a month	Borrowed	Borrowed money from relative	Borrowed money from money lender	Borrowed money from Institution (banks etc)	Received help from regional Institutions	Received help from local NGO	Received help from Intern. NGO	Received help from Govt.	Received from family friends	Reduced food Consum-ption	Consumed lower cost but less prefered food	Reduced non food Expen-diture	Spiritual help - prayers, Sacrifice, Consulted diviner etc	Other	Total Count
Western	**19.5**	**0.1**	**1.0**	**0.4**	**1.4**	**11.7**	**2.9**	**7.5**	**1.0**	**2.4**	**0.1**	**0.9**	**6.3**	**4.5**	**1.0**	**0.8**	**2.2**	**0.0**	**0.0**	**0.8**	**15.9**	**4.8**	**6.5**	**2.1**	**10.1**	**10.6**	**657,632**
Bungoma	23.2	0.1	1.4	0.7	3.0	27.7	4.0	7.6	0.7	1.7	0.0	2.1	8.5	5.5	1.5	1.6	0.6	0.0	0.0	1.9	20.4	4.1	9.2	2.4	3.7	19.7	151,393
Busia	17.5	0.0	0.3	0.0	0.0	6.4	0.0	20.8	0.1	6.0	0.0	0.2	5.2	5.1	0.1	0.0	0.7	0.0	0.0	3.4	9.2	4.6	2.0	0.2	13.3	26.0	70,300
Mt. Elgon	40.5	0.7	1.8	1.8	4.4	30.5	26.7	23.7	2.7	5.2	0.9	1.8	10.4	8.2	1.9	0.2	2.1	0.3	0.2	0.4	12.1	10.7	12.5	7.0	2.4	8.8	28,210
Kakamega	13.6	0.1	0.7	0.0	2.3	7.0	1.4	0.7	0.6	2.4	0.0	1.8	6.2	3.9	0.9	1.4	0.3	0.0	0.0	0.0	23.3	7.2	9.0	4.1	24.1	4.8	108,588
Lugari	8.4	0.0	0.7	0.5	2.5	5.4	1.0	1.3	0.0	3.5	0.7	1.3	3.9	2.2	1.4	0.3	0.0	0.0	0.0	0.0	19.1	6.0	8.0	1.9	23.9	7.0	41,543
Teso	26.1	1.2	4.1	1.5	0.7	29.6	6.7	17.4	0.0	2.1	0.3	1.2	10.5	9.7	0.8	0.0	1.4	0.4	0.0	2.7	21.8	5.4	12.2	4.7	6.7	10.1	33,003
Vihiga	17.7	0.0	0.7	0.3	0.2	7.4	1.4	7.1	1.7	2.2	0.0	0.0	7.4	5.2	1.5	0.7	5.2	0.0	0.0	0.0	14.9	5.0	5.7	1.3	6.5	6.5	115,434
Butere/Mumias	20.7	0.1	1.0	0.3	0.5	4.1	0.9	5.4	1.4	1.0	0.0	0.1	3.3	2.4	0.5	0.4	3.0	0.0	0.0	0.5	9.6	2.1	2.4	0.5	6.2	7.9	109,160

Table 8.15: **Percentage Distribution of Effects of shocks by Region**

Region	Income Loss	Asset Loss	Both	Neither	Total Count	Region	Income Loss	Asset Loss	Both	Neither	Total Count
Kenya	**43.1**	**14.4**	**25.8**	**16.7**	**5,777,253**	**Nyanza**	**40.7**	**20.6**	**29.6**	**9.0**	**899,635**
						Gucha	34.1	8.6	44.6	12.8	64,913
Rural	40.8	15.5	27.8	15.8	4,502,177	Homa Bay	39.7	18.5	26.4	15.4	62,668
Urban	52.7	9.7	17.3	20.3	1,275,076	Kisii	34.4	26.7	35.7	3.1	99,749
						Kisumu	43.5	16.7	18.1	21.6	103,014
Nairobi	**60.9**	**7.5**	**18.0**	**13.6**	**477,448**	Kuria	38.5	9.2	32.4	19.8	24,202
						Migori	38.5	31.4	21.3	8.8	100,278
Central	**59.7**	**7.3**	**12.0**	**20.9**	**780,648**	Nyamira	36.4	19.4	40.7	2.9	95,185
Kiambu	76.6	4.4	15.4	3.6	179,135	Rachuonyo	26.8	28.5	26.1	18.5	70,374
Kirinyaga	30.6	7.4	19.5	42.5	100,869	Siaya	51.5	18.9	25.3	4.4	122,548
Murang'a	58.2	5.7	15.7	20.4	71,866	Suba	27.9	21.8	46.5	3.8	33,928
Nyandarua	71.0	9.6	12.7	6.7	74,257	Bondo	48.8	13.0	31.0	7.1	56,925
Nyeri	77.0	7.3	8.1	7.2	120,461	Nyando	57.1	18.1	23.5	1.4	65,853
Thika	49.8	9.4	7.3	33.1	148,127						
Maragua	35.2	9.9	5.0	49.9	85,934	**Rift Valley**	**41.7**	**14.3**	**30.1**	**13.9**	**1,391,177**
						Baringo	37.9	19.8	40.6	1.5	54,060
Coast	**43.2**	**5.9**	**16.9**	**33.9**	**487,453**	Bomet	43.4	7.8	3.6	45.2	65,915
Kilifi	50.8	11.6	31.6	5.4	83,547	Keiyo	33.9	44.9	11.3	10.0	34,126
Kwale	29.5	3.4	9.8	57.4	98,641	Kajiado	77.2	4.0	12.0	6.8	98,404
Lamu	37.6	13.8	6.5	42.0	14,228	Kericho	32.5	10.7	1.7	55.1	72,145
Mombasa	43.5	3.4	3.2	49.8	154,040	Koibatek	33.9	33.9	19.1	13.2	29,753
Taita Taveta	27.0	8.0	33.5	31.6	59,242	Laikipia	31.3	4.9	24.4	39.4	72,097
Tana River	84.1	2.5	10.8	2.6	39,660	Marakwet	33.3	28.4	31.3	6.2	31,442
Malindi	42.0	8.9	41.3	7.3	38,094	Nakuru	51.3	6.8	26.9	15.0	187,340
						Nandi	64.5	12.8	13.0	9.8	129,133
Eastern	**30.5**	**18.3**	**28.0**	**22.9**	**934,108**	Narok	30.3	13.1	49.5	7.0	70,686
Embu	31.2	13.7	16.9	37.8	70,958	Samburu	10.6	41.0	23.0	25.4	32,720
Isiolo	30.5	8.0	55.8	5.8	17,844	Trans Mara	31.3	14.8	46.0	7.9	29,825
Kitui	44.4	21.4	24.9	7.3	93,114	Trans Nzoia	36.8	14.1	47.8	1.3	126,178
Makueni	27.3	24.3	27.9	20.5	147,347	Turkana	25.7	5.1	68.0	1.2	82,501
Machakos	24.6	23.9	25.1	26.3	196,883	Uasin Gishu	37.3	25.3	26.6	10.8	137,577
Marsabit	14.0	9.4	69.4	7.1	23,498	West Pokot	21.0	8.6	59.0	11.4	66,817
Mbeere	29.9	20.0	21.0	29.2	37,055	Buret	67.2	11.4	11.6	9.8	70,457
Meru Central	41.4	8.4	21.3	29.0	106,906						
Moyale	8.5	13.6	65.5	12.1	10,388	**Western**	**39.2**	**17.8**	**29.8**	**13.2**	**652,194**
Mwingi	40.3	24.7	28.8	6.1	57,151	Bungoma	34.9	21.8	31.6	11.7	151,139
Meru North	34.2	10.7	23.1	31.9	112,624	Busia	39.5	19.8	20.8	19.9	70,300
Tharaka	11.5	23.8	54.8	9.9	18,936	Mt. Elgon	37.3	12.7	48.6	1.4	28,210
Meru South	12.5	16.3	58.1	13.0	41,405	Kakamega	18.0	25.1	32.9	24.0	108,588
						Lugari	23.5	23.2	31.4	21.8	41,543
North Eastern	**36.1**	**15.1**	**46.5**	**2.2**	**154,590**	Teso	45.6	17.6	34.6	2.2	33,003
Garissa	29.9	12.2	56.3	1.7	49,053	Vihiga	52.4	9.8	27.4	10.3	112,135
Mandera	53.5	15.8	26.0	4.7	41,871	Butere/Mumias	55.6	12.1	23.7	8.5	107,275
Wajir	25.7	15.9	57.8	0.6	63,666						

Table 8.16: **Percentage Distribution of Magnitude of Shock on Households by Region**

Region	Own HH Only	Some other HH too	Most HH in community	All HH in Community	Total Count
Kenya	**35.6**	**24.0**	**17.5**	**22.8**	**5,777,253**
Rural	34.4	22.6	18.8	24.1	4,502,177
Urban	40.7	29.7	12.2	17.3	1,275,076
Nairobi	**40.2**	**40.5**	**13.5**	**5.9**	**477,448**
Central	**33.3**	**21.2**	**19.4**	**26.1**	**780,648**
Kiambu	27.2	26.0	17.5	29.3	179,135
Kirinyaga	43.0	24.7	27.0	5.3	100,869
Murang'a	34.1	20.8	22.3	22.8	71,866
Nyandarua	34.9	9.3	16.2	39.7	74,257
Nyeri	36.6	11.1	13.9	38.1	120,461
Thika	32.7	25.5	17.7	24.0	148,127
Maragua	31.8	23.1	26.0	19.1	85,934
Coast	**26.8**	**18.5**	**9.3**	**45.2**	**487,453**
Kilifi	43.4	30.7	22.5	2.3	83,547
Kwale	19.0	14.4	2.6	64.1	98,641
Lamu	21.5	16.4	8.4	53.7	14,228
Mombasa	29.4	17.9	2.9	49.7	154,040
Taita Taveta	21.1	16.8	18.8	43.2	59,242
Tana River	14.7	2.9	7.9	74.5	39,660
Malindi	40.7	38.4	8.8	11.6	38,094
Eastern	**32.1**	**20.3**	**17.6**	**29.7**	**934,108**
Embu	38.9	14.1	15.0	31.6	70,958
Isiolo	18.4	10.8	14.3	56.5	17,844
Kitui	22.9	24.6	21.5	28.8	93,114
Makueni	25.2	13.2	14.1	47.5	147,347
Machakos	34.4	21.8	13.0	30.8	196,883
Marsabit	14.9	15.5	23.5	46.2	23,498
Mbeere	31.5	14.5	11.7	42.3	37,055
Meru Central	41.3	25.4	26.8	6.4	106,906
Moyale	7.3	13.4	5.0	74.1	10,388
Mwingi	28.1	23.6	17.6	30.5	57,151
Meru North	40.5	25.9	25.6	8.0	112,624
Tharaka	23.3	22.0	17.1	37.6	18,936
Meru South	37.8	27.3	14.9	19.9	41,405
North Eastern	**14.5**	**18.2**	**17.2**	**50.1**	**154,590**
Garissa	22.3	47.2	13.7	16.9	49,053
Mandera	8.4	10.8	17.9	62.9	41,871
Wajir	15.7	10.7	18.3	55.3	63,666
Nyanza	**45.1**	**29.2**	**9.9**	**15.8**	**899,635**
Gucha	59.5	23.5	15.4	1.6	64,913
Homa Bay	40.0	36.0	1.4	22.6	62,668
Kisii	44.9	21.4	12.5	21.2	99,749
Kisumu	53.5	33.1	7.6	5.6	103,014
Kuria	53.4	27.5	12.4	6.7	24,202
Migori	36.1	39.5	2.6	21.8	100,278
Nyamira	41.9	23.9	19.7	13.9	95,185
Rachuonyo	43.0	44.4	9.5	3.0	70,374
Siaya	39.4	25.0	11.5	24.1	122,548
Suba	23.5	41.0	8.6	26.8	33,928
Bondo	45.0	24.4	6.7	24.0	56,925
Nyando	71.4	16.6	6.9	5.1	65,853

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Table 8.16: **Contd...**

Region	Own HH Only	Some other HH too	Most HH in community	All HH in Community	Total Count
Rift Valley	**34.5**	**16.5**	**27.5**	**21.4**	**1,391,177**
Baringo	18.7	17.5	39.3	24.2	54,060
Bomet	24.2	4.2	57.6	14.1	65,915
Keiyo	39.0	13.8	25.6	21.7	34,126
Kajiado	50.6	17.1	13.7	18.5	98,404
Kericho	45.6	7.4	43.1	3.9	72,145
Koibatek	36.2	9.9	23.4	30.5	29,753
Laikipia	47.6	9.0	27.4	16.0	72,097
Marakwet	32.5	19.5	28.2	19.0	31,442
Nakuru	34.6	19.8	18.6	26.7	187,340
Nandi	38.6	21.8	31.0	8.6	129,133
Narok	25.6	23.7	24.7	25.9	70,686
Samburu	9.0	2.3	42.4	46.2	32,720
Trans Mara	24.3	21.5	33.1	21.0	29,825
Trans Nzoia	42.1	24.7	20.6	12.6	126,178
Turkana	24.5	7.8	36.0	31.8	82,501
Uasin Gishu	41.6	22.2	17.2	18.9	137,577
West Pokot	12.7	16.0	22.0	49.3	66,817
Buret	42.8	14.8	26.1	16.2	70,457
Western	**40.1**	**36.5**	**13.4**	**10.1**	**652,194**
Bungoma	39.2	34.8	23.2	2.9	151,139
Busia	49.6	35.0	12.1	3.3	70,300
Mt. Elgon	33.9	25.9	12.9	27.3	28,210
Kakamega	47.7	35.7	15.2	1.4	108,588
Lugari	44.5	33.6	16.3	5.4	41,543
Teso	33.1	33.2	25.3	8.4	33,003
Vihiga	34.6	40.9	5.1	19.4	112,135
Butere/Mumias	36.7	41.6	2.7	19.0	107,275

Not Stated accounts for only 0.1 percent of the total

Table 8.17: **Percentage Distribution of Effects of shocks**

Shock	Income Loss	Asset Loss	Loss of both income and Asset	Neither	Not stated	Total Count
Drought/Floods	41.8	11.9	37.6	8.6	0.1	1,522,892
Crop Diseases/Crop Pests	63.3	8.5	21.7	6.2	0.3	338,422
Livestock died/Stolen	19.7	39.7	37.4	3.2	0.1	1,145,168
Household business failure,Non agricultural	67.7	5.1	24.8	2.4	0.0	532,675
Loss of Employment, Salaried	83.9	1.0	14.4	0.7	0.0	507,427
End of Regular Assistance	64.5	6.7	16.4	12.3	0.1	183,631
Large in sale prices for crops	66.2	5.4	15.2	12.8	0.4	414,957
Large rise in prices for Food	49.6	10.3	16.2	23.9	0.1	2,112,630
Large rise in agricultural input prices	47.4	9.5	17.6	25.4	0.0	637,499
Severe water shortage	40.2	4.1	18.4	37.1	0.2	601,742
Chronic/Severe illness/accident of HH member	44.1	16.5	28.7	10.7	0.0	1,684,367
Birth in Household	33.4	12.4	15.7	38.5	0.0	158,642
Death of Household Head	32.5	7.2	44.4	15.9	0.0	279,385
Death of Working Member	30.4	7.0	43.6	18.8	0.3	131,788
Death of other family member	30.1	13.0	24.7	32.1	0.1	1,607,199
Break-up of Household	27.2	9.6	26.4	36.9	0.0	170,543
Jailed	48.0	12.8	21.5	17.7	0.0	146,267
Fire	9.1	51.0	37.2	2.7	0.0	117,471
Carjacking/Robbery/Burglary/Assault	25.0	38.0	32.8	4.2	0.1	337,053
Dwelling Damaged	15.7	36.7	33.0	14.2	0.3	119,027
HIV/AIDS	51.7	7.2	21.4	18.4	1.3	60,249

Chapter 9 | Agriculture and Livestock

9.0 Introduction

Agriculture is a key sector of the country's economy, contributing about 25 per cent of the Gross Domestic Product (GDP). The sector provides employment to an estimated 70 per cent of the total labour force that derives its livelihood from agricultural activities. In the Economic Recovery Strategy (ERS) 2003-2007, the Government identified agriculture as an important sector for realisation of the ERS objectives of creating wealth and employment. Growth in this sector has a positive impact on overall macro-economic growth due to its inter-linkages and multiplier effect with other sectors of the economy like manufacturing and trade.

This chapter presents summary agricultural and livestock statistics based on data collected on agricultural holdings. The agriculture module was administered to households who engaged in crop farming during the reference period (i.e. the last 12 months). Engaging in crop farming means that one or more members of the household undertook either subsistence or commercial agricultural activities that are of significance to the household's food supply or income. Small gardens with no major contribution to household welfare were excluded in this survey. A household was considered a livestock-keeping household if it reared at least one or more of the common livestock types found in Kenya. Information on parcel sizes, crops grown, farming practices and livestock keeping was collected.

It should be noted that only parcels within the district were enumerated in this module. The basic units for enumeration and/or analyses are household, parcel and agricultural holding. A parcel refers to *a distinct piece of land under cultivation, separate from any other areas cultivated by the household. An agricultural holding is defined as all the land operated by a household for crop farming activities. This may be considered as an agricultural enterprise. A holding may comprise one or more parcels.*

9.1 Farming activity

The majority of Kenyan households are engaged in crop farming activities. Nationally, about 4,436,212 households are directly involved in agricultural activities, which is equivalent to 68.8 per cent of all households in Kenya. This proportion is high in the rural areas (85.4%), but lower in urban areas where only 13.0 per cent of households are engaged in crop farming. As shown in Table 9.1, farming activity is most common in Western and Eastern provinces where 90.0 and 88.4 per cent of households, are engaged in farming respectively. More than a quarter of all districts recorded over 90 per cent of households engaged in farming. Only 9.5 per cent of households in North Eastern Province practise farming. This is because livestock keeping is the more predominant economic activity in the region.

9.2 Agricultural holding and parcel sizes

Parcel and holding sizes give an important insight into the farming structure of a country as these have a direct bearing on household capacity for agricultural production. Besides the limited production capacity, small-sized parcels are uneconomical to operate. Table 9.2 presents data on average parcel and agricultural holding sizes as observed during the survey. In total, agricultural parcels countrywide recorded an average size of 1.7 acres. Urban areas recorded a slightly lower average parcel size than the rural areas, at 1.6 and 1.7 acres respectively.

Provincial comparison shows that Coast Province has on average the largest parcel size of 2.7 acres followed by Eastern Province, with an average size of 2.2 acres. Marsabit District recorded the largest mean parcel size of 4.3 acres. Other districts with large parcel sizes include Kwale, Buret and Uasin Gishu, recording mean parcel sizes of 3.3, 3.5 and 3.7 acres respectively.

Holding sizes show a trend similar to that observed in mean parcel sizes, with the urban areas recording an average size of 2.1 acres compared to 2.5 acres for the rural areas. Marsabit and Mwingi District have the largest mean holding size of 4.6 acres followed by Kwale district, which recorded an average size of 4.4 acres. Excluding Nairobi, whose proportion of farming households is very low, Central Province has the lowest mean holding size of 1.5 acres. This is a reflection of the high population density in the

province coupled with the fact that most areas in the province fall within the central highlands, which are high potential agricultural zones.

Comparing with the Welfare Monitoring Survey II (1994) shows that agricultural holding sizes have substantially reduced in the period between the two surveys. The WMS II reported a national mean holding size of 6.4 acres, while KIHBS reports 2.5 acres as the mean holding size. However, WMS II and KIHBS holding sizes data may not be strictly comparable due to slight variations in definition. Whereas the WMS II defined a holding to be all the land used for crop farming and livestock rearing activities, KIHBS defines a holding as land strictly used for crop farming activities. Secondly, KIHBS gave no cut-off for parcels to be covered, while the WMS II gave a cut-off of 0.01 of a hectare.

9.3 Parcel ownership

Table 9.3 gives data on parcel ownership and other operation status of parcels. It is evident from this survey that a large majority of farmers own the parcels of land on which they undertake their farming activities. Nationally, 71.7 per cent of agricultural parcels are owned by the farmers cultivating them, with corresponding figures of 72.3 and 56.2 per cent for the rural and urban areas respectively. Low levels of parcel ownership are found in Central and Rift Valley Provinces, where about 65 per cent of parcels in each province are owned by the farmers cultivating them. This means that for each of these provinces, around 35 per cent of parcels are leased, given free or communally owned.

Besides ownership by farming households, most of the remaining parcels of agricultural land in the country are either leased or jointly owned by the family. A total of twelve districts spread across five provinces have over 20 per cent of all parcels operated under rental or leasehold arrangements, with Nakuru, Mt. Elgon and Kisii Districts leading at 39.2, 33.7 and 32.0 per cent of parcels, respectively, cultivated under this arrangement.

Title holding

Although 71.7 per cent of all agricultural parcels in the country are owned by the farming households, only 39.4 per cent of parcels have land registration title deeds, as shown in Table 9.4. A title deed is *a land registration certificate that gives ownership assurance to a farmer, enabling him/her to cultivate his/her land without fear of eviction or any other form of prejudice.* In addition, land is often used as collateral against financial loans and other forms of credit. However, such land must be registered to be accepted as collateral by financial institutions.

Nyanza Province has the highest proportion (51.1%) of parcels with titles, followed by Central Province with a corresponding figure of 48.6 per cent. The lowest levels of land registration are observed in North Eastern, Coast and Eastern Provinces where only 11.9, 22.2 and 25.8 per cent of parcels, respectively, have titles.

9.4 Cost of land

KIHBS collected data on the cost of land in various regions. Respondents were asked how much the parcels they operated would fetch if they were to be sold. This information has been used to compute the median sale price of an acre of farmland presented in Table 9.5. The median price of an acre of farmland in Kenya is Kshs 86,000. An acre of farming land in urban areas costs more than double the price in rural areas; it is most expensive to purchase an acre of farmland in Nairobi (Kshs 1.25 million) and it is cheapest in Malindi (Kshs 8,000). It is not a common practice to sell or buy farming land in Wajir and Mandera Districts.

Cost of renting/leasing land

All respondents renting or leasing land parcels were asked how much they had paid in total for the parcel over the last 12 months preceding the survey. The median price for renting/leasing an acre of land in Kenya for a year is Kshs 2,000, corresponding to the renting price in rural areas. Results given in Table 9.5 depict variations in the amount paid for an acre of land across districts, from a low of Kshs 333 in Mwingi to a high of Kshs 9,600 in Isiolo.

9.5 Crop farming activities

Irrigation

Table 9.6 shows the proportion of land parcels on which irrigation farming was practised in the last 12 months prior to the survey. Irrigation is practised in Kenya on 6.0 per cent of all agricultural parcels. There is no major variation in proportion of parcels irrigated in rural and urban areas. Irrigation is commonly practised in ASAL areas with most of the farming households in North Eastern Province practising irrigation.

Use of fertiliser

Respondents were asked if they had applied fertiliser to operated parcels in the 12 months preceding the survey. Information regarding the use of organic and inorganic fertiliser is presented in Table 9.7. Inorganic fertiliser refers to *mineral salts manufactured commercially*, while organic fertiliser *comprises animal waste and decomposing plants, for example, animal manure, green manure and compost.*

Overall, fertiliser was applied on 69.4 per cent of parcels of land. It was used on 73.9 per cent of parcels in urban areas and on 69.3 per cent of parcels in rural areas. Inorganic fertiliser was used on 52.1 per cent of parcels, while organic fertiliser was used on 37.4 per cent of parcels. Inorganic fertiliser is more prevalent than organic fertiliser at national level.

Main crops grown

Households that responded to the agriculture module were asked about crops they had grown in their parcels over the previous 12 months. This data was analysed and all crops reported were ranked in order of importance based on the proportion of parcels on which each crop was grown. Table 9.8 gives data ort the leading 15 crops based on this ranking. Maize is the most important crop for all districts except Nyandarua and Kajiado whose most common crops are potatoes and beans, respectively. Nationally, over 90 per cent of farming households reported that they had grown maize.

Other common crops include beans, cowpeas potatoes and sorghum, having been grown by 61.1, 14.4, 13.8 and 10.7 per cent of all farming households, respectively. In Malindi, Garissa, Siaya and Laikipia Districts, all households reported that they had grown maize during the reference period. Growing of beans is most common in Nairobi followed by Eastern and Western Provinces, while cowpeas and potatoes are most commonly grown in Coast and Central Provinces respectively.

Area under crop farming

Kenya has a total land area of approximately 586,000 square kilometres, equivalent to 144.7 million acres. Out of this land area, only about 9 per cent is classified as arable land, hence suitable for crop farming. Table 9.9 gives data on area planted with various crops during the survey reference period[10].

In total, households reported an area of about 12.3 million acres planted with various crops as listed in the table. Eastern Province has the largest share of cropped area (3.3 million acres) followed by Rift Valley Province (3.1 million acres). Almost half of the cropped area (44.7%) is covered by maize, while cereal crops cover 51.3 per cent of all cropped area.

9.6 Livestock keeping

KIHBS collected information on livestock keeping from households who reported to have reared at least one type of livestock during the survey reference period (i.e., last 12 months). In this survey, livestock refers to all domestic animals whose meat and other products are utilised as food within the communities who rear them. Pets were not covered in this survey, but emerging livestock like bees, fish and crocodiles were included. Table 9.10 gives unweighted[2] data on the proportion of households that keep livestock, disaggregated by district. Overall, 66.0 per cent of all Kenyan households keep at least one kind of livestock.

An estimated 84.3 per cent of rural households rear livestock, while in the urban areas, a lower proportion of 26.9 per cent of households reported to be keeping livestock. Bomet, Lugari, Tharaka, Trans mara, Mwingi and Mbeere District recorded high proportions of over 90 per cent of households keeping livestock in each of the districts. The proportion of households keeping various livestock types by district is given in Table 9.11. Out of all households who reported rearing livestock, 67.0 and 60.4 per cent reported keeping chickens and cows, respectively.

In terms of households keeping animals, other common domestic animals are goats, sheep, donkeys, birds other than chickens and pigs.

9.7 Livestock numbers

Table 9.12 to Table 9.16 present data on the distribution of households by the number of cows, sheep, goats, chickens, and camels they owned during the KIHBS survey period.

Cows

During the survey period, 59.4 per cent of livestock keeping households reported to have kept cows. This

[10] The area cropped may refer to multiples of the same area if a parcel is cultivated repeatedly during the reference period.

[2] There are no weights for livestock population.

is a significant increase from 46.8 per cent who kept cows during the WMS II of 1994. The proportion of households keeping only one cow stood at 11.8 per cent, a slight increase from 10.2 per cent recorded in 1994. Overall, 40.2 per cent of households keep less than 5 cows, while only 19.2 per cent keep 5 or more cows. Narok District recorded the highest proportion (36.8%) of households owning more than 10 cows followed by Garissa and Wajir at 31.0 and 28.2 per cent respectively.

Goats

Nationally, about 4.0 per cent of livestock keeping households own only one goat while about a third of households own 10 goats or fewer. A small proportion of 1.3 per cent keeps more than 50 goats. Only about 38 per cent of livestock keeping households reported keeping any goats.

Sheep

Out of all livestock-keeping households, only 20.4 per cent keep sheep. A total of 16.5 per cent keep 10 or less sheep, while only 4.2 per cent have more than 10 sheep.

Camels

Overall, only 2.1 per cent of livestock keeping households reported keeping camels. Significant levels of camel keeping are found in the pastoral districts of Marsabit, Moyale, Samburu, Garissa, Mandera and Wajir.

Donkeys

Donkeys are usually used as a source of labour in some Kenyan communities, especially in the arid and semi-arid areas where they are used in fetching water and for the supply of draught power. An estimated 5.9 percent of livestock rearing households keep donkeys. Of all donkey keeping households, 3.4 percent own just one donkey. Significant levels of donkey ownership are found in Isiolo, Kitui, Moyale, Mwingi, Kajiado, Nakuru, Narok and Turkana districts.

Chicken

Poultry farming provides an important source of food to Kenyan communities through chicken meat and eggs. Commercial chicken rearing is also an important and easy-to-establish form of agricultural income-generating activity for small-scale farmers as this activity does not require a lot of land to undertake. Nationally, 64.5 per cent of all livestock-keeping households keep chickens. In almost all districts, the largest proportion of households is found in the category that owns 5 to 10 chickens. Nationally, 42.1 per cent of livestock keeping households have 10 or fewer chickens while 22.4 per cent keep more than 10 chickens. The five districts of Marsabit, Garissa, Mandera, Wajir and Marakwet each recorded a high proportion of over 90 per cent of households keeping no chicken at all.

Table 9.1: **Proportion of Households Engaged in Crop Farming by Region**

Region	Percent	Total Count*	Region	Percent	Total Count*
Kenya	**68.8**	**6,447,982**	**Nyanza**	**83.8**	**968,506**
			Gucha	96.6	97,299
Rural	85.4	4,975,029	Homa Bay	91.6	62,704
Urban	12.9	1,472,953	Kisii	88.2	103,077
			Kisumu	52.8	106,817
Nairobi	**1.1**	**581,486**	Kuria	90.1	35,513
			Migori	72.5	111,620
Central	**81.9**	**930,538**	Nyamira	94.5	95,768
Kiambu	75.6	167,407	Rachuonyo	92.7	72,982
Kirinyaga	87.1	129,598	Siaya	93.8	124,473
Murang'a	92.9	93,190	Suba	76.5	30,537
Nyandarua	86.2	108,320	Bondo	83.6	57,553
Nyeri	79.8	184,196	Nyando	76.2	70,164
Thika	67.6	146,529			
Maragua	95.3	101,297	**Rift Valley**	**66.0**	**1,496,336**
			Baringo	79.3	60,371
Coastal	**49.5**	**557,944**	Bomet	96.2	73,372
Kilifi	72.4	107,772	Keiyo	79.3	36,527
Kwale	84.9	99,768	Kajiado	40.8	84,803
Lamu	59.5	13,187	Kericho	48.4	114,670
Mombasa	1.3	191,083	Koibatek	86.6	28,790
Taita Taveta	82.5	62,416	Laikipia	85.5	67,330
Tana River	35.7	35,045	Marakwet	88.0	32,462
Malindi	80.1	48,673	Nakuru	54.6	268,922
			Nandi	84.4	139,431
Eastern	**88.4**	**1,038,753**	Narok	85.1	74,961
Embu	87.9	76,432	Samburu	29.2	27,971
Isiolo	44.9	14,627	Trans Mara	96.3	30,701
Kitui	96.2	111,128	Trans Nzoia	73.6	111,888
Makueni	97.0	156,075	Turkana	12.2	65,518
Machakos	85.3	213,944	Uasin Gishu	54.9	147,167
Marsabit	27.7	22,968	West Pokot	79.4	68,220
Mbeere	96.9	39,027	Buret	74.9	63,233
Meru Central	80.5	132,013			
Moyale	39.6	9,595	**Western**	**90.0**	**736,650**
Mwingi	98.7	60,694	Bungoma	92.9	184,081
Meru North	92.6	125,478	Busia	88.7	85,995
Tharaka	98.2	21,998	Mt. Elgon	95.6	30,615
Meru South	94.5	54,773	Kakamega	88.4	124,098
			Lugari	94.1	44,266
North Eastern	**9.5**	**137,770**	Teso	87.2	42,177
Garissa	8.9	57,044	Vihiga	87.2	112,049
Mandera	19.6	40,966	Butere/Mumias	88.9	113,369
Wajir	0.0	39,761			

*Total number of households who responded to the module

Table 9.2: **Mean Agricultural Parcel and Holding Size (Acres) by Region**

Region	Parcel	Holding	Region	Parcel	Holding
Kenya	**1.7**	**2.4**	**Nyanza**	**1.1**	**1.7**
			Gucha	1.0	1.4
Rural	1.7	2.5	Homa Bay	1.1	1.9
Urban	1.6	2.1	Kisii	0.8	1.1
			Kisumu	0.7	1.1
Nairobi	**1.6**	**1.3**	Kuria	1.8	2.3
			Migori	1.3	2.3
Central	**1.2**	**1.5**	Nyamira	1.1	1.5
Kiambu	0.7	1.0	Rachuonyo	1.0	2.4
Kirinyaga	1.2	1.6	Siaya	0.9	1.7
Murang'a	1.1	1.6	Suba	1.1	1.9
Nyandarua	1.9	2.2	Bondo	1.1	2.1
Nyeri	1.5	1.5	Nyando	1.3	2.1
Thika	0.8	1.1			
Maragua	1.1	1.7	**Rift Valley**	**1.9**	**2.8**
			Baringo	1.4	2.5
Coast	**2.7**	**3.6**	Bomet	1.0	1.7
Kilifi	2.5	3.2	Keiyo	1.4	2.2
Kwale	3.3	4.4	Kajiado	1.7	1.9
Lamu	2.5	3.0	Kericho	0.9	1.6
Mombasa	1.3	1.6	Koibatek	1.6	1.8
Taita Taveta	1.6	2.5	Laikipia	1.5	1.9
Tana River	5.5	6.1	Marakwet	1.8	2.4
Malindi	2.8	3.6	Nakuru	1.9	3.0
			Nandi	3.3	3.4
Eastern	**2.2**	**3.3**	Narok	2.7	4.2
Embu	1.4	1.9	Samburu	0.8	0.8
Isiolo	1.0	1.0	Trans Mara	2.0	2.6
Kitui	2.2	4.2	Trans Nzoia	2.7	3.6
Makueni	2.7	3.9	Turkana	0.6	0.5
Machakos	2.4	3.9	Uasin Gishu	3.7	3.9
Marsabit	4.3	4.6	West Pokot	1.6	2.0
Mbeere	2.7	4.0	Buret	3.5	3.8
Meru Central	1.4	2.1			
Moyale	2.1	2.6	**Western**	**1.6**	**2.1**
Mwingi	3.0	4.6	Bungoma	1.5	2.5
Meru North	1.4	2.4	Busia	1.7	2.8
Tharaka	2.8	4.1	Mt. Elgon	2.0	2.6
Meru South	1.1	1.7	Kakamega	0.9	1.2
			Lugari	1.6	2.1
North Eastern	**1.3**	**1.8**	Teso	2.2	3.0
Garissa	2.2	2.2	Vihiga	1.2	1.6
Mandera	0.9	1.5	Butere/Mumias	1.6	2.1
Wajir	-	-			

Table 9.3: **Percentage distribution of Agricultural Parcels, by Operation Status**

Region	Owns	Rented/Leased	Free		Communal	Other	Total Count
			Family	Others			
Kenya	**71.7**	**13.8**	**10.3**	**3.3**	**0.5**	**0.4**	**6,559,597**
Rural	72.3	13.3	10.4	3.0	0.5	0.4	6,322,886
Urban	56.2	24.5	7.4	10.8	0.6	0.4	236,711
Nairobi	**77.7**	**19.4**		**2.9**			**8,510**
Central	**64.8**	**16.3**	**12.2**	**6.6**	**0.1**	**0.1**	**1,039,095**
Kiambu	53.5	29.0	6.0	11.5			204,587
Kirinyag'a	67.3	12.7	20.0				155,037
Murang'a	65.4	10.6	22.0	1.6		0.5	118,657
Nyandarua	75.6	18.0	6.1	0.3			110,088
Nyeri	68.0	12.6	19.4				162,427
Thika	61.5	6.6	4.2	26.9	0.9		135,053
Maragua	68.5	18.6	8.8	4.2			153,245
Coast	**69.0**	**3.5**	**15.6**	**8.1**	**0.8**	**2.6**	**362,861**
Kilifi	86.7	4.3	6.3	1.6			100,179
Kwale	36.7	5.1	32.8	17.6	0.9	6.9	111,168
Lamu	69.8	6.5	6.6	4.3	9.8	3.0	9,295
Mombasa	73.6			26.4			2,425
Taita Taveta	73.4	1.8	16.7	8.1			75,998
Tana River	71.6	3.5	0.9	6.3	7.5	10.2	13,954
Malindi	98.0	0.3	0.8	0.5			49,842
Eastern	**76.0**	**8.3**	**11.6**	**2.7**	**0.4**	**0.9**	**1,488,187**
Embu	65.6	13.9	17.5	2.3	0.3	0.3	90,773
Isiolo	84.2	1.9	4.8	7.9	1.2		6,867
Kitui	84.7	4.1	7.1	3.3	0.9		200,017
Makueni	73.7	5.5	19.6	1.0		0.2	253,613
Machakos	81.2	5.6	8.4	3.1		1.6	324,371
Marsabit	66.4	1.8	27.6	4.2			8,113
Mbeere	55.9	5.3	17.2	9.2	0.5	12.0	48,959
Meru Central	66.3	20.7	9.6	2.2	0.7		161,026
Moyale	93.2	0.8	3.9	2.1			4,507
Mwingi	92.5	0.9	4.6	2.1			91,318
Meru North	75.7	9.4	8.8	4.3	1.7	0.0	190,114
Tharaka	81.1	11.5	7.0	0.4			31,067
Meru South	63.5	16.0	19.4	0.4		0.7	77,442
North Eastern	**86.8**		**13.2**				**16,959**
Garissa	55.6		44.4				5,055
Mandera	100.0						11,904
Wajir	-	-	-	-	-	-	-
Nyanza	**75.4**	**15.6**	**6.3**	**2.4**	**0.1**	**0.2**	**1,367,065**
Gucha	82.9	14.2	3.0				125,212
Homa Bay	85.1	9.2	4.9			0.7	99,910
Kisii	47.8	32.0	18.6	1.6			130,241
Kisumu	72.8	9.9	8.8	7.7	0.5	0.3	95,075
Kuria	74.1	19.9	4.9	1.1			45,913
Migori	72.4	22.4	3.0	2.1			158,494
Nyamira	64.4	25.0	9.9			0.7	122,508
Rachuonyo	85.9	8.8	4.0	1.0		0.3	149,206
Siaya	76.8	12.4	5.3	5.1	0.4		230,588
Suba	80.2	7.0	7.2	5.6			35,185
Bondo	86.6	7.2	4.3	2.0			94,697
Nyando	84.9	11.6	1.0	2.2	0.3		80,035

Table 9.3: **Contd...**

Region	Owns	Rented/Leased	Free		Communal	Other	Total Count
			Family	Others			
Rift Valley	**65.2**	**18.4**	**12.8**	**1.9**	**1.5**	**0.1**	**1,319,771**
Baringo	72.2	23.5	3.0		1.1	0.1	81,784
Bomet	61.4	4.6	33.0	1.0			118,512
Keiyo	75.9	17.1	5.2	1.4	0.4		44,604
Kajiado	62.8	29.0	8.2				34,901
Kericho	65.0	6.9	27.7	0.4			98,434
Koibatek	66.8	16.7	11.7	4.8			26,980
Laikipia	67.4	9.4	16.4	6.8			71,538
Marakwet	62.4	13.5	9.0	1.7	13.4		39,957
Nakuru	47.9	39.2	8.2	4.7			205,211
Nandi	76.9	10.8	11.8	0.5			131,724
Narok	61.3	27.5	9.8	0.9	0.5		90,269
Samburu	83.5		3.3		13.3		7,951
Trans Mara	68.1	17.7	12.8	0.9	0.5		39,815
Trans Nzoia	62.9	27.7	5.8	2.6		1.0	107,724
Turkana	86.9		6.6	6.6			7,966
Uasin Gishu	73.7	15.0	10.1	1.2			95,584
West Pokot	72.3	6.2	2.0	1.0	17.7	0.8	64,965
Buret	71.6	5.4	22.9	0.1			51,854
Western	**76.9**	**14.4**	**6.5**	**1.9**	**0.0**	**0.1**	**957,149**
Bungoma	74.2	16.2	8.1	0.9			273,800
Busia	56.3	25.4	9.5	8.7			117,699
Mt. Elgon	63.6	33.7	1.7	0.8		0.3	44,823
Kakamega	83.1	6.4	7.4	3.2			159,054
Lugari	82.4	10.4	7.2				55,524
Teso	82.0	14.7	2.7		0.6		50,874
Vihiga	87.0	6.2	6.0	0.1		0.7	120,535
Butere/Mumias	84.1	13.1	2.7	0.1			134,840

Not Stated accounts for 0.1 Percent

Table 9.4: **Proportion of Parcels Operated by Owners with Title Deed.**

Region	Percent	Holding	Region	Percent	Holding
Kenya	**39.4**	**4,716,504**	**Nyanza**	**51.1**	**1,032,998**
			Gucha	29.9	103,743
Rural	39.1	4,583,486	Homa Bay	32.0	85,070
Urban	52.4	133,018	Kisii	28.9	63,251
			Kisumu	51.8	69,229
Nairobi	**69.9**	**6,612**	Kuria	22.9	34,007
			Migori	43.8	114,796
Central	**48.6**	**673,685**	Nyamira	33.0	79,513
Kiambu	56.3	110,171	Rachuonyo	58.4	128,095
Kirinyaga	37.0	104,300	Siaya	76.7	177,113
Murang'a	48.3	77,543	Suba	9.7	28,232
Nyandarua	54.6	83,228	Bondo	85.6	82,011
Nyeri	65.8	110,463	Nyando	70.8	67,937
Thika	28.4	83,051			
Maragua	45.4	104,929	**Rift Valley**	**46.4**	**861,197**
			Baringo	21.2	59,031
Coast	**22.2**	**250,531**	Bomet	60.9	72,818
Kilifi	19.8	86,829	Keiyo	58.3	33,865
Kwale	22.4	40,809	Kajiado	69.8	21,916
Lamu	8.7	6,486	Kericho	48.9	64,008
Mombasa	100.0	1,786	Koibatek	60.5	18,017
Taita Taveta	40.1	55,781	Laikipia	32.4	48,235
Tana River	4.3	9,987	Marakwet	27.5	24,930
Malindi	8.4	48,853	Nakuru	72.5	98,379
			Nandi	29.9	101,340
Eastern	**25.8**	**1,137,903**	Narok	52.0	55,330
Embu	59.6	59,577	Samburu	3.3	6,636
Isiolo	3.7	5,781	Trans Mara	39.0	27,465
Kitui	15.3	169,412	Trans Nzoia	36.6	67,757
Makueni	19.8	186,814	Turkana		6,922
Machakos	28.5	263,500	Uasin Gishu	64.9	70,447
Marsabit	41.3	5,532	West Pokot	41.0	46,981
Mbeere	32.1	27,352	Buret	31.6	37,122
Meru Central	57.1	109,093			
Moyale	1.3	4,237	**Western**	**33.7**	**738,865**
Mwingi	2.6	84,454	Bungoma	34.1	204,659
Meru North	17.0	147,824	Busia	33.5	66,303
Tharaka	7.2	25,185	Mt. Elgon	22.7	28,646
Meru South	36.2	49,144	Kakamega	40.8	133,463
			Lugari	41.3	45,762
North Eastern	**11.9**	**14,712**	Teso	29.2	41,704
Garissa		2,809	Vihiga	28.3	104,907
Mandera	14.7	11,904	Butere/Mumias	31.1	113,422
Wajir	-	-			

Table 9.5: **Median Sale and Rental/Leasing Price (Kshs/acre)**

Region	Sales	Rental	Region	Sales	Rental
Kenya	**86,000**	**2,000**	**Nyanza**	**60,000**	**2,400**
			Gucha	166,667	5,000
Rural	80,000	2,000	Homa Bay	40,000	1,250
Urban	166,667	2,333	Kisii	200,000	4,000
			Kisumu	100,000	2,600
Nairobi	**1,250,000**	**1,750**	Kuria	33,333	1,600
			Migori	50,000	2,000
Central	**200,000**	**2,500**	Nyamira	166,667	2,857
Kiambu	600,000	3,333	Rachuonyo	50,000	1,600
Kirinyaga	233,333	2,500	Siaya	57,143	1,400
Murang'a	166,667	6,667	Suba	20,000	2,000
Nyandarua	120,000	2,143	Bondo	37,500	1,200
Nyeri	200,000	2,000	Nyando	80,000	2,000
Thika	250,000	2,000			
Maragua	214,286	2,000	**Rift Valley**	**136,786**	**2,000**
			Baringo	31,739	1,000
Coast	**15,000**	**1,500**	Bomet	128,501	1,300
Kilifi	15,000	1,500	Keiyo	50,895	1,500
Kwale	35,294	1,000	Kajiado	280,773	3,400
Lamu	40,000	1,667	Kericho	171,916	2,000
Mombasa	40,000	6,000	Koibatek	90,105	3,000
Taita Taveta	20,000	1,500	Laikipia	121,515	1,500
Tana River	10,000	-	Marakwet	50,773	2,000
Malindi	8,000	-	Nakuru	136,743	1,667
			Nandi	141,825	2,000
Eastern	**50,000**	**1,500**	Narok	54,115	2,000
Embu	300,000	2,400	Samburu	33,333	-
Isiolo	40,000	9,600	Trans Mara	41,817	1,200
Kitui	20,000	1,000	Trans Nzoia	181,550	4,000
Makueni	40,000	1,800	Turkana	16,380	-
Machakos	50,000	1,200	Uasin Gishu	201,239	1,500
Marsabit	40,000	-	West Pokot	54,974	1,500
Mbeere	30,000	500	Buret	242,231	2,000
Meru Central	150,000	2,000			
Moyale	30,000	-	**Western**	**121,535**	**2,333**
Mwingi	23,333	333	Bungoma	91,262	2,500
Meru North	93,333	1,500	Busia	64,673	2,000
Tharaka	10,000	700	Mt. Elgon	87,455	3,000
Meru South	112,000	1,667	Kakamega	147,847	3,000
			Lugari	184,438	4,000
North Eastern	**100,000**	**-**	Teso	46,133	1,500
Garissa	-	-	Vihiga	240,272	2,000
Mandera	100,000		Butere/Mumias	116,037	2,500
Wajir	-	-			

Table 9.6: **Proportion of Parcels under Irrigation by Region**

Region	Percent	Holding	Region	Percent	Holding
Kenya	**6.0**	**6,558,774**	**Nyanza**	**1.0**	**1,366,880**
			Gucha	0.8	125,212
Rural	6.0	6,322,886	Homa Bay	0.7	99,910
Urban	5.2	235,888	Kisii	0.0	130,241
			Kisumu	1.2	95,075
Nairobi	**17.1**	**8,510**	Kuria	0.0	45,913
			Migori	3.2	158,494
Central	**13.1**	**1,039,095**	Nyamira	0.8	122,508
Kiambu	6.9	204,587	Rachuonyo	0.4	149,206
Kirinyaga	26.9	155,037	Siaya	1.1	230,588
Murang'a	8.6	118,657	Suba	0.0	35,185
Nyandarua	1.4	110,088	Bondo	0.5	94,513
Nyeri	15.8	162,427	Nyando	0.9	80,035
Thika	14.0	135,053			
Maragua	15.5	153,245	**Rift Valley**	**3.3**	**1,319,564**
			Baringo	10.6	81,784
Coast	**3.0**	**362,430**	Bomet	0.0	118,512
Kilifi	0.0	100,179	Keiyo	0.6	44,604
Kwale	0.9	110,737	Kajiado	18.9	34,901
Lamu	3.6	9,295	Kericho	0.2	98,434
Mombasa	0.0	2,425	Koibatek	0.9	26,980
Taita Taveta	11.4	75,998	Laikipia	4.1	71,538
Tana River	7.0	13,954	Marakwet	19.4	39,957
Malindi	0.0	49,842	Nakuru	0.8	205,211
			Nandi	0.8	131,724
Eastern	**10.0**	**1,488,187**	Narok	3.8	90,269
Embu	5.0	90,773	Samburu	0.0	7,951
Isiolo	67.1	6,867	Trans Mara	6.1	39,815
Kitui	3.2	200,017	Trans Nzoia	1.1	107,724
Makueni	13.7	253,613	Turkana	8.5	7,966
Machakos	13.6	324,371	Uasin Gishu	0.0	95,377
Marsabit	0.0	8,113	West Pokot	10.3	64,965
Mbeere	2.6	48,959	Buret	0.1	51,854
Meru Central	23.4	161,026			
Moyale	1.0	4,507	**Western**	**2.0**	**957,149**
Mwingi	0.0	91,318	Bungoma	2.4	273,800
Meru North	3.7	190,114	Busia	0.9	117,699
Tharaka	2.2	31,067	Mt. Elgon	8.8	44,823
Meru South	10.8	77,442	Kakamega	1.3	159,054
			Lugari	5.2	55,524
North Eastern	**100.0**	**16,959**	Teso	0.0	50,874
Garissa	100.0	5,055	Vihiga	0.0	120,535
Mandera	100.0	11,904	Butere/Mumias	2.1	134,840
Wajir	-	-			

Table 9.7: **Proportion of Parcels using Fertiliser by Region**

Region	Any Fertiliser	Inorganic Fertiliser	Organic	Total Count
Kenya	**69.4**	**52.1**	**37.4**	**6,559,597**
Rural	69.3	58.9	31.0	6,322,886
Urban	73.9	52.4	37.2	236,711
Nairobi	**66.9**	**54.8**	**57.2**	**8,510**
Central	**91.7**	**77.8**	**67.6**	**1,039,095**
Kiambu	98.4	75.7	80.2	204,587
Kirinyaga	94.9	85.3	55.8	155,037
Murang'a	93.9	79.1	83.0	118,657
Nyandarua	86.2	69.5	56.8	110,088
Nyeri	87.2	71.4	65.0	162,427
Thika	83.8	76.4	53.2	135,053
Maragua	93.2	85.8	73.6	153,245
Coast	**14.3**	**5.0**	**11.9**	**362,861**
Kilifi	6.0	2.4	3.6	100,179
Kwale	10.4	1.7	10.4	111,168
Lamu	39.5	15.5	29.2	9,295
Mombasa	0.0	0.0	0.0	2,425
Taita Taveta	31.2	15.7	24.8	75,998
Tana River	5.5	2.3	3.2	13,954
Malindi	12.5	0.0	12.5	49,842
Eastern	**67.2**	**36.1**	**52.5**	**1,488,187**
Embu	92.8	89.9	55.5	90,773
Isiolo	12.6	10.2	7.9	6,867
Kitui	43.1	5.8	41.7	200,017
Makueni	69.4	21.8	63.4	253,613
Machakos	83.2	46.8	61.4	324,371
Marsabit	49.3	0.0	49.3	8,113
Mbeere	68.6	31.8	59.6	48,959
Meru Central	79.3	66.7	56.0	161,026
Moyale	49.2	0.0	49.2	4,507
Mwingi	33.5	0.4	33.1	91,318
Meru North	58.9	28.7	43.9	190,114
Tharaka	20.6	1.8	20.2	31,067
Meru South	84.9	75.8	53.0	77,442
North Eastern	**29.5**	**13.2**	**16.3**	**16,959**
Garissa	44.4	44.4	0.0	5,055
Mandera	23.2	0.0	23.2	11,904
Wajir	-	-	-	-
Nyanza	**63.3**	**47.5**	**27.0**	**1,367,065**
Gucha	89.3	87.2	9.6	125,212
Homa Bay	44.2	19.8	28.0	99,910
Kisii	95.9			130,241
Kisumu	45.2			95,075
Kuria	68.6	45.0	33.6	45,913
Migori	64.6	95.7	25.5	158,494
Nyamira	99.3	18.6	32.9	122,508
Rachuonyo	50.1	29.8	26.0	149,206
Siaya	54.8	39.0	30.1	230,588
Suba	11.4	0.0	11.4	35,185
Bondo	40.0	1.9	38.8	94,697
Nyando	53.0	29.7	35.5	80,035

Table 9.7: **Contd...**

Region	Any Fertiliser	Inorganic Fertiliser	Organic	Total Count
Rift Valley	**74.3**	**65.7**	**15.0**	**1,319,771**
Baringo	44.5	36.1	17.6	81,784
Bomet	66.3	61.8	10.0	118,512
Keiyo	85.1	83.8	7.4	44,604
Kajiado	27.7	24.0	6.3	34,901
Kericho	92.7	89.4	8.0	98,434
Koibatek	76.5	70.6	16.0	26,980
Laikipia	88.1	65.1	46.3	71,538
Marakwet	52.5	47.5	6.2	39,957
Nakuru	80.5	69.2	18.9	205,211
Nandi	94.0	86.6	12.3	131,724
Narok	35.5	27.4	13.2	90,269
Samburu	40.8	0.0	40.8	7,951
Trans Mara	52.8	49.0	5.9	39,815
Trans Nzoia	83.4	79.6	6.7	107,724
Turkana	8.3	6.6	1.7	7,966
Uasin Gishu	97.7	96.4	5.9	95,584
West Pokot	63.4	25.2	41.2	64,965
Buret	99.9	98.8	12.9	51,854
Western	**72.5**	**57.1**	**35.2**	**957,149**
Bungoma	81.0	74.7	32.0	273,800
Busia	38.6	22.3	21.0	117,699
Mt. Elgon	67.1	61.6	8.7	44,823
Kakamega	68.5	54.3	33.5	159,054
Lugari	88.6	77.8	30.2	55,524
Teso	47.6	20.4	34.9	50,874
Vihiga	85.4	57.5	61.5	120,535
Butere/Mumias	82.8	58.4	43.7	134,840

Table 9.8: **Proportion of Households Growing Various Crops.**

Region	Maize	Finger millet	Other millet	Sorghum	Cassava	Sweet potatoes	Potatoes	Sukuma-wiki	Field peas	Beans	Grams (Black/ Green)	Cow peas	Pigeon peas	Bananas (cooking)	Tea	Other crops
Kenya	**92.7**	**5.8**	**1.6**	**10.7**	**9.0**	**7.5**	**13.8**	**7.4**	**1.8**	**61.1**	**5.5**	**14.4**	**8.7**	**8.4**	**8.5**	**49.3**
Rural	93.0	6.0	1.6	10.8	9.0	7.5	14.0	7.3	1.8	61.2	5.7	14.7	9.0	8.5	8.8	49.4
Urban	85.9	1.9	0.1	8.3	8.9	8.1	11.3	11.2	2.4	57.6	2.9	9.0	2.1	7.6	1.8	46.6
Nairobi	**97.6**	**0.0**	**0.0**	**0.0**	**12.6**	**0.0**	**0.0**	**2.4**	**0.0**	**81.2**	**0.0**	**1.4**	**0.0**	**0.0**	**0.0**	**66.4**
Central	**86.8**	**0.0**	**0.4**	**0.1**	**2.3**	**2.7**	**46.7**	**12.8**	**4.4**	**70.0**	**0.0**	**0.9**	**0.2**	**14.5**	**11.8**	**61.6**
Kiambu	88.0	0.0	1.4	0.0	0.0	3.4	70.5	32.0	3.8	64.0	0.0	0.0	0.0	4.5	0.6	63.3
Kirinyaga	73.1	0.0	0.0	0.0	0.0	0.0	15.9	5.3	0.0	65.4	0.0	0.0	0.0	9.7	17.3	53.4
Murang'a	95.5	0.0	0.6	0.0	2.6	8.3	16.8	9.1	0.0	79.6	0.0	0.0	0.0	21.1	24.2	60.3
Nyandarua	80.1	0.0	0.0	0.5	0.0	0.0	96.6	10.8	29.5	37.2	0.0	1.6	0.5	0.0	0.0	70.3
Nyeri	85.9	0.0	0.4	0.0	0.0	1.4	59.8	8.2	0.9	71.3	0.0	0.0	0.0	11.8	16.2	55.5
Thika	93.2	0.0	0.0	0.0	11.9	5.0	36.4	12.3	0.0	88.2	0.0	4.1	1.4	21.7	8.9	74.7
Maragua	95.0	0.0	0.0	0.0	3.6	2.4	20.8	8.9	0.0	85.9	0.0	1.3	0.0	37.5	16.8	57.5
Coast	**93.3**	**1.4**	**0.7**	**0.5**	**33.2**	**0.6**	**0.0**	**2.4**	**1.5**	**17.4**	**17.8**	**49.6**	**1.4**	**2.8**	**0.0**	**58.8**
Kilifi	99.3	0.0	0.0	1.0	22.3	0.0	0.0	0.6	0.0	12.4	8.8	54.0	0.0	0.0	0.0	40.4
Kwale	83.1	3.4	0.8	0.7	66.2	1.0	0.0	2.4	3.6	10.9	25.8	53.9	2.5	5.8	0.0	74.1
Lamu	87.7	1.2	1.0	0.6	9.6	0.0	0.0	1.1	0.0	0.0	13.1	49.0	1.1	1.2	0.0	77.2
Mombasa	73.6	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
Taita Taveta	99.3	1.9	1.2	0.0	4.5	1.4	0.0	7.7	0.2	46.4	24.3	30.5	3.1	1.0	0.0	37.2
Tana River	87.1	0.0	3.5	0.0	26.6	1.4	0.0	0.0	7.7	1.4	48.4	28.5	0.0	18.3	0.0	96.7
Malindi	100.0	0.0	0.0	0.0	23.7	0.0	0.0	0.0	0.0	13.3	2.2	67.0	0.0	0.0	0.0	72.3
Eastern	**94.3**	**6.3**	**6.4**	**12.0**	**8.2**	**2.9**	**8.4**	**8.2**	**3.0**	**78.8**	**17.9**	**43.4**	**40.8**	**9.9**	**6.6**	**50.2**
Embu	90.4	0.5	0.0	1.1	5.9	4.0	33.0	8.2	0.0	78.1	0.5	7.3	0.0	41.5	26.7	59.3
Isiolo	79.3	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	70.6	2.0	0.0	0.0	0.0	0.0	27.3
Kitui	97.8	9.6	9.7	18.8	4.9	2.6	0.9	3.7	2.7	64.8	25.9	73.7	58.4	3.8	0.0	8.0
Makueni	99.5	7.2	2.6	6.0	17.3	7.4	2.2	13.1	1.8	88.1	27.8	66.9	71.7	4.9	0.0	60.9
Machakos	97.2	3.9	0.9	12.5	19.3	3.3	2.3	16.5	1.0	96.3	14.2	57.3	83.1	0.3	0.0	51.3
Marsabit	86.1	0.0	2.3	0.0	0.0	0.0	0.0	4.6	0.0	84.3	0.0	0.0	0.0	0.0	0.0	30.2
Mbeere	96.7	11.9	14.9	18.5	2.8	3.6	1.8	0.2	2.5	79.6	33.8	52.4	17.5	3.6	0.0	65.5
Meru Central	93.4	4.1	0.7	10.7	1.4	2.1	30.8	10.1	8.7	74.1	2.7	13.9	10.3	26.5	14.7	67.0
Moyale	95.9	0.0	2.3	15.2	0.0	0.0	0.0	1.2	0.0	71.0	2.8	4.6	0.0	0.0	0.0	33.1
Mwingi	93.0	23.6	13.4	37.0	0.0	0.0	0.0	0.0	0.0	50.1	50.3	84.9	26.2	0.0	0.0	24.7
Meru North	91.7	1.7	10.3	3.3	1.5	0.7	7.5	2.9	1.7	78.6	4.1	10.4	14.0	14.0	14.6	60.4
Tharaka	47.2	16.8	70.1	36.2	0.0	0.0	0.0	0.0	28.1	4.5	75.7	41.3	7.3	1.3	0.0	67.1
Meru South	96.4	1.0	1.1	9.5	0.3	0.0	7.9	3.3	3.7	93.7	1.7	4.3	1.6	10.7	19.1	50.4

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Table 9.8: **Proportion of Households Growing Various Crops.**

Region	Maize	Finger millet	Other millet	Sorghum	Cassava	Sweet potatoes	Potatoes	Sukuma-wiki	Field peas	Beans	Grams (Black/ Green)	Cow peas	Pigeon peas	Bananas (cooking)	Tea	Other crops
North Eastern	**94.7**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**36.6**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**43.5**
Garissa	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mandera	91.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.6	0.0	0.0	0.0	0.0	0.0	70.9
Nyanza	**95.7**	**9.6**	**0.4**	**32.3**	**10.5**	**12.0**	**0.6**	**4.4**	**0.2**	**46.7**	**3.1**	**5.6**	**0.0**	**12.3**	**15.8**	**48.2**
Gucha	94.9	12.2	0.0	0.6	0.0	6.8	0.7	2.3	0.0	19.4	0.6	0.0	0.0	10.9	52.3	63.8
Homa Bay	95.3	0.9	0.0	38.5	0.7	9.3	1.3	2.2	0.0	33.5	1.9	1.3	0.0	0.0	0.0	71.6
Kisii	98.6	32.6	0.0	1.4	0.0	4.2	0.0	3.5	0.0	79.8	0.0	0.0	0.0	52.2	34.2	25.0
Kisumu	95.8	0.0	0.0	55.6	10.8	18.6	0.0	12.9	0.0	43.5	13.8	29.9	0.0	9.0	0.0	70.3
Kuria	93.0	9.6	0.5	6.5	63.7	30.2	0.9	2.0	0.0	9.1	0.0	0.0	0.0	2.9	1.1	42.0
Migori	94.8	0.7	0.0	27.6	19.3	10.6	0.0	7.4	0.0	29.2	0.7	0.8	0.0	2.9	0.0	41.7
Nyamira	97.4	31.6	0.0	0.0	0.0	1.5	0.6	1.5	0.0	83.8	0.0	0.0	0.0	34.4	52.6	66.7
Rachuonyo	91.4	1.5	0.0	62.4	6.6	24.5	0.7	0.1	0.0	35.7	9.5	0.7	0.0	0.0	0.0	40.2
Siaya	100.0	1.0	2.0	45.6	29.1	23.8	1.5	9.1	0.0	69.1	0.0	11.2	0.1	0.9	0.0	48.1
Suba	84.9	3.6	1.7	77.5	0.0	1.5	0.0	1.4	5.7	25.8	0.0	1.6	0.0	0.0	0.0	31.7
Bondo	95.7	2.1	0.8	81.3	7.6	3.9	0.0	0.9	0.0	27.1	14.7	15.3	0.0	0.0	0.0	17.0
Nyando	93.2	0.0	0.0	55.1	1.8	10.2	0.0	4.2	0.0	34.7	3.3	10.7	0.0	3.0	0.0	40.4
Rift Valley	**92.9**	**6.5**	**0.1**	**3.1**	**0.7**	**2.2**	**16.6**	**7.0**	**1.3**	**61.3**	**0.5**	**1.2**	**0.6**	**2.4**	**7.9**	**35.1**
Baringo	94.3	46.2	0.0	14.1	1.9	0.0	0.0	7.2	1.0	74.4	10.1	14.4	0.0	2.4	0.0	37.5
Bomet	97.8	7.1	0.0	1.3	0.0	2.5	15.0	4.6	0.0	62.8	0.0	0.0	0.0	1.3	20.2	39.3
Keiyo	92.6	5.5	0.0	3.4	0.0	0.0	23.0	0.8	0.0	68.6	0.7	0.0	0.8	0.0	0.0	13.9
Kajiado	80.2	0.0	0.0	0.0	0.0	0.0	16.3	6.0	0.0	87.6	0.0	0.0	0.0	1.7	0.0	47.8
Kericho	98.5	7.1	0.0	1.2	0.0	0.0	12.5	8.5	0.0	61.1	0.0	0.2	0.0	0.0	16.7	25.8
Koibatek	100.0	5.5	0.0	1.3	0.0	0.0	21.7	6.6	4.5	73.3	0.0	0.0	0.7	0.8	0.0	46.7
Laikipia	100.0	0.0	0.0	1.7	0.0	3.2	58.5	4.6	5.7	88.8	0.0	2.6	0.8	0.0	0.0	41.3
Marakwet	75.1	21.5	0.0	3.9	3.2	0.1	17.6	3.3	0.0	50.7	0.0	0.0	0.0	0.0	0.0	54.5
Nakuru	89.2	1.0	0.8	0.0	0.0	0.4	33.6	7.1	3.7	65.7	0.0	0.0	1.2	0.5	1.8	46.0
Nandi	95.3	5.5	0.0	0.9	2.4	2.3	5.4	14.6	0.0	59.4	0.0	0.6	0.0	5.1	16.3	6.8
Narok	83.9	1.3	0.0	2.9	0.0	0.0	26.2	3.3	0.0	28.5	0.0	0.0	3.3	0.0	0.0	24.8
Samburu	92.7	0.0	0.0	0.0	0.0	0.0	25.9	9.3	0.0	84.2	0.0	0.0	0.0	0.0	0.0	22.2
Trans Mara	95.5	2.8	0.0	0.0	0.0	0.0	3.4	2.6	0.0	29.1	0.0	0.0	0.0	1.2	0.0	48.2
Trans Nzoia	96.0	7.1	0.0	3.6	1.0	17.7	2.6	14.4	1.8	90.1	0.0	2.8	0.0	11.9	0.0	64.1
Turkana	25.0	0.0	0.0	93.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	86.9
Uasin Gishu	99.8	5.3	0.2	0.0	0.0	0.1	10.9	1.8	1.4	44.3	0.0	0.0	1.5	0.0	0.0	8.5
West Pokot	96.9	7.8	0.0	10.4	2.3	0.0	2.0	1.9	0.0	59.6	0.3	0.0	0.0	1.1	0.0	28.7
Buret	90.0	1.1	0.0	0.0	0.0	0.0	4.3	9.0	0.0	31.3	0.0	0.0	0.0	6.3	68.9	53.7

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Table 9.8: **Proportion of Households Growing Various Crops.**

Region	Maize	Finger millet	Other millet	Sorghum	Cassava	Sweet potatoes	Potatoes	Sukuma-wiki	Field peas	Beans	Grams (Black/ Green)	Cow peas	Pigeon peas	Bananas (cooking)	Tea	Other crops
Western	**93.2**	**8.2**	**0.3**	**10.4**	**18.5**	**24.9**	**2.0**	**7.0**	**0.2**	**61.8**	**0.4**	**6.2**	**0.2**	**6.3**	**2.8**	**52.3**
Bungoma	97.5	10.3	0.0	8.5	18.1	44.8	0.8	11.1	0.0	72.6	0.6	6.8	0.0	12.1	0.0	65.3
Busia	91.4	2.6	1.3	50.9	60.8	32.8	4.0	5.3	0.0	54.8	0.0	0.1	0.0	0.2	0.0	58.9
Mt. Elgon	92.1	0.8	2.3	0.8	0.9	10.4	29.9	7.1	4.8	85.0	3.9	1.0	0.7	10.3	0.0	65.8
Kakamega	85.5	1.6	0.0	0.8	3.1	17.1	0.0	5.6	0.0	45.6	0.0	10.9	0.0	1.3	1.6	34.6
Lugari	93.0	6.0	1.0	1.7	4.2	15.1	0.0	7.4	0.0	58.1	0.0	4.7	0.0	5.4	0.0	52.5
Teso	96.7	42.6	0.0	32.0	75.3	19.5	0.9	3.9	0.0	37.4	0.9	3.9	0.7	4.6	0.0	36.7
Vihiga	94.5	4.1	0.0	0.9	3.8	18.1	0.0	6.9	0.0	70.6	0.0	7.0	0.0	8.0	17.4	65.7
Butere/Mumias	93.7	10.5	0.0	1.0	8.7	10.7	0.0	4.1	0.0	61.9	0.0	7.2	1.0	4.3	0.0	33.6

Table 9.9: **Distribution of main crops grown and total area (Acres) by region***

Crops	Kenya	Rural	Urban	Nairobi	Central	Coast	Eastern	North Eastern	Nyanza	Rift Valley	Western
Maize	5,500,320	4,963,560	536,760	4,753	378,970	611,434	1,090,963	11,590	801,141	1,891,725	709,745
Wheat	180,913	179,982	932	-	15,322	-	14,537	-	588	149,121	1,346
Rice	29,510	26,008	3,502	-	21,474	5,091	-	-	2,422	.	524
Finger millet	129,886	128,357	1,528	-	-	2,840	48,676	-	23,814	33,766	20,790
Other millet	60,584	60,537	47	-	14	193	57,930	-	2,129	306	13
Sorgum	370,021	362,241	7,780	-	181	1,396	96,116	-	216,349	9,935	46,045
Barley	10,136	10,116	20	-	-	-	20	-	-	9,713	403
Oats	2,706	948	1,757	-	591	-	198	-	-	1,917	-
Yams	1,515	1,515	.	-	323	-	1,078	-	-	-	115
Arrowroots	15,992	15,812	180	-	6,008	22	4,471	-	869	-	4,622
Cassava	252,096	240,592	11,504	83	6,229	93,708	18,743	-	55,454	1,975	75,904
Sweet potatoes	202,795	200,016	2,779	-	4,110	283	8,547	-	35,903	6,591	147,361
Potatoes	333,463	324,219	9,245	-	173,127	-	45,694	-	1,064	101,867	11,712
Khat (Miraa)	33,589	33,578	12	-	343	-	33,188	-	59	-	-
Chillies	3,753	3,656	98	-	145	-	366	-	315	2,901	26
Onions	24,269	23,037	1,232	-	608	1,291	3,906	-	1,315	8,339	8,811
Carrots	21,496	21,121	375	-	6,745	145	5,152	-	0	9,198	256
Cabagges	40,231	38,926	1,305	-	20,811	800	7,429	-	1,324	9,102	765
Sukumawiki	105,811	97,446	8,365	79	19,152	7,968	22,714	-	14,127	29,833	11,938
Tomatoes	68,359	65,867	2,492	165	13,601	12,506	11,774	-	5,714	19,110	5,489
Pumpkins	12,962	12,656	306	83	390	1,228	10,302	-	-	435	524
French beans	18,314	17,310	1,005	378	12,312	-	4,638	-	-	987	-
Field peas	54,524	52,699	1,825	.	12,931	7,674	26,525	-	1,292	5,544	559
Beans	2,172,245	2,084,968	87,278	1,968	226,530	37,282	601,443	3,732	225,396	624,550	451,345
Grams (Black/Grean)	209,074	181,232	27,843	-	-	60,428	132,148	-	13,453	1,673	1,373
Yellow grams	1,081	921	160	-	-	484	598	-	-	-	-
Cow peas	426,022	419,902	6,119	11	631	107,488	279,834	-	16,437	6,778	14,843
Pigeon peas	271,735	269,603	2,132	-	359	1,857	262,180	-	11	7,226	102
Dolicos	2,232	2,232	-	-	-	1,899	265	-	-	67	-
Soya beans	4,825	4,753	72	-	266	-	329	-	1,894	205	2,131
Cashewnuts	31,868	31,424	443	-	-	31,619	-	-	-	-	249
Macadamia nuts	4,593	4,593	-	-	1,551	-	3,042	-	-	-	-
Groundnuts	63,823	61,781	2,041	-	-	3,261	8,264	-	34,055	1,788	16,454
Sim Sim	1,764	1,764	-	-	-	1,253	-	-	327	-	184
Pears	805	791	14	-	589	-	216	-	-	-	-

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Table 9.9: **Contd...**

Crops	Kenya	Rural	Urban	Nairobi	Central	Coast	Eastern	North Eastern	Nyanza	Rift Valley	Western
Pineaples	15,596	15,596	0	-	-	2,421	-	-	4,822	6,608	1,745
Bananas (cooking)	171,303	138,415	32,888	-	69,516	33,139	30,058	-	11,970	15,146	11,475
Bananas (fruits)	29,819	26,978	2,842	158	2,731	4,121	13,723	-	4,243	3,307	1,536
Passion (fruits)	10,009	3,162	6,847	-	1,981	165	7,511	-	323	-	30
Oranges	53,769	47,296	6,473	-	1,295	33,209	17,985	-	-	1,280	-
Castor	1,565	1,565	-	-	-	-	1,565	-	-	-	-
Plums	596	596	-	-	596	-	-	-	-	-	-
Coconut	62,144	61,472	672	-	-	62,144	-	-	-	-	-
Nappier grass	81,491	78,825	2,666	-	46,067	-	-	-	7,232	4,528	14,776
Paddock grass	175,482	175,482	-	-	7,191	-	168,291	-	-	-	-
Sugar cane	275,921	260,492	15,429	-	2,718	1,920	4,654	-	57,032	23,089	186,508
Pyrethrum	3,868	3,854	14	-	1,150	-	-	-	-	2,719	-
Cotton	23,288	23,226	62	-	170	2,705	11,645	-	2,760	5,884	125
Tobacco	37,697	37,593	104	-	307	12	17,933	-	18,439	527	478
Tea	306,389	304,458	1,932	-	87,037	-	58,110	-	58,835	92,819	9,587
Coffee	188,509	185,796	2,714	-	85,052	-	82,893	-	5,463	10,915	4,186
Trees	16,287	9,364	6,923	355	2,514	472	7,218	-	1,665	2,687	1,375
Other crops	130,890	97,178	33,712	315	6,633	64,247	39,020	-	4,429	8,536	7,711
Not Stated	6,118	5,149	968	-	0	0	2,438	0	3,082	597	0
Total	12,254,057	11,420,662	833,394	8,346	1,238,273	1,196,701	3,273,214	15,322	1,635,746	3,113,294	1,773,161

* The area cropped may refer to multiples of the same area if a parcel is cultivated repeatedly during the reference period

Table 9.10: **Proportion of Households Owning Livestock, by Region**

Region	Mean	Total Count	Region	Mean	Total Count
Kenya	**66.0**	**11,594**	**Nyanza**	**71.6**	**1,882**
			Gucha	78.2	147
Rural	84.3	7,886	Homa Bay	74.5	137
Urban	26.9	3,708	Kisii	50.6	172
			Kisumu	65.6	163
Nairobi	**2.5**	**476**	Kuria	69.8	162
			Migori	64.1	181
Central	**60.2**	**1,343**	Nyamira	84.0	131
Kiambu	46.9	228	Rachuonyo	77.0	165
Kirinyaga	59.3	189	Siaya	82.9	158
Murang'a	66.3	163	Suba	70.1	147
Nyandarua	78.1	169	Bondo	75.0	156
Nyeri	50.8	246	Nyando	73.6	163
Thika	50.8	181			
Maragua	79.0	167	**Rift Valley**	**68.1**	**2,817**
			Baringo	82.2	152
Coast	**51.4**	**1,102**	Bomet	95.6	113
Kilifi	46.3	162	Keiyo	71.6	162
Kwale	76.5	132	Kajiado	56.1	164
Lamu	61.5	148	Kericho	51.4	177
Mombasa	2.6	228	Koibatek	86.1	151
Taita Taveta	69.8	149	Laikipia	69.9	113
Tana River	69.2	156	Marakwet	63.3	128
Malindi	63.8	127	Nakuru	46.1	284
			Nandi	60.2	181
Eastern	**76.5**	**2,186**	Narok	86.0	136
Embu	54.2	166	Samburu	88.9	135
Isiolo	83.5	158	Trans Mara	93.8	112
Kitui	72.6	179	Trans Nzoia	71.2	156
Makueni	88.0	200	Turkana	62.0	163
Machakos	60.5	253	Uasin Gishu	37.5	208
Marsabit	75.4	130	West Pokot	85.4	164
Mbeere	90.9	154	Buret	70.3	118
Meru Central	52.4	185			
Moyale	87.4	159	**Western**	**79.1**	**1,369**
Mwingi	93.3	149	Bungoma	78.8	198
Meru North	69.4	124	Busia	77.7	148
Tharaka	92.6	162	Mt. Elgon	86.3	168
Meru South	85.0	167	Kakamega	73.6	193
			Lugari	94.7	151
North Eastern	**58.2**	**419**	Teso	71.3	160
Garissa	45.2	126	Vihiga	80.6	165
Mandera	48.5	132	Butere/Mumias	72.6	186
Wajir	76.4	161			

Table 9.11: **Proportion of Households Owning Various Livestock by Region.**

Region	Cattle	Sheep	Goats	Pigs	Chicken	Other Poultry	Donkeys	Other Animals	Total Count
Kenya	**60.4**	**24.3**	**43.9**	**1.3**	**67.0**	**3.1**	**6.1**	**4.0**	**7,776**
Rural	63.2	25.5	46.8	1.3	67.1	2.7	6.8	4.0	6,757
Urban	41.9	16.5	24.4	1.5	66.2	5.6	1.6	4.1	1,019
Nairobi	**50.0**	**0.0**	**8.3**	**8.3**	**66.7**	**16.7**	**0.0**	**0.0**	**12**
Central	**75.3**	**17.1**	**30.0**	**2.1**	**57.0**	**1.3**	**0.5**	**3.7**	**817**
Kiambu	80.0	18.2	3.6	0.9	28.2	1.8	0.9	1.8	110
Kirinyaga	69.9	6.2	37.2	4.4	62.8	2.7	0.0	3.5	113
Murang'a	77.8	8.3	50.0	0.0	50.9	0.0	0.0	3.7	108
Nyandarua	81.8	46.2	8.3	0.0	58.3	2.3	2.3	4.5	132
Nyeri	76.0	17.6	16.0	0.8	52.8	0.8	0.0	5.6	125
Thika	59.8	13.0	47.8	2.2	65.2	1.1	0.0	3.3	92
Maragua	77.4	6.6	51.1	5.8	77.4	0.7	0.0	2.9	137
Coast	**22.1**	**14.6**	**58.7**	**0.0**	**73.2**	**5.4**	**0.7**	**8.9**	**574**
Kilifi	2.6	1.3	64.1	0.0	80.8	9.0	0.0	20.5	78
Kwale	9.9	11.9	42.6	0.0	88.1	7.9	0.0	2.0	101
Lamu	18.5	10.9	55.4	0.0	82.6	3.3	2.2	4.3	92
Mombasa	16.7	16.7	33.3	0.0	83.3	0.0	0.0	0.0	6
Taita Taveta	43.8	10.5	52.4	0.0	78.1	2.9	0.0	1.0	105
Tana River	46.8	45.0	65.1	0.0	35.8	4.6	1.8	1.8	109
Malindi	0.0	0.0	78.3	0.0	79.5	6.0	0.0	31.3	83
Eastern	**62.2**	**19.2**	**65.9**	**1.9**	**72.8**	**1.8**	**15.6**	**7.0**	**1,710**
Embu	63.3	8.9	44.4	1.1	80.0	0.0	0.0	7.8	90
Isiolo	66.7	66.7	58.3	0.0	38.6	3.0	41.7	0.0	132
Kitui	45.4	1.5	70.8	0.0	86.9	0.0	44.6	14.6	130
Makueni	67.4	9.6	83.7	0.6	92.1	2.2	6.7	7.3	178
Machakos	66.0	30.7	77.1	0.7	94.1	3.9	7.8	5.9	153
Marsabit	44.1	13.7	75.5	0.0	4.9	1.0	1.0	0.0	102
Mbeere	46.5	13.4	73.9	0.0	92.3	2.1	0.7	4.2	142
Meru Central	79.6	28.3	33.6	8.8	69.9	0.9	2.7	8.0	113
Moyale	69.7	10.6	56.3	0.0	40.8	0.0	24.6	0.0	142
Mwingi	60.0	6.4	85.7	0.0	89.3	3.6	54.3	15.7	140
Meru North	69.6	16.3	31.5	12.0	54.3	1.1	2.2	2.2	92
Tharaka	56.3	23.2	80.1	2.0	89.4	3.3	7.3	8.6	151
Meru South	72.4	19.3	55.9	4.1	81.4	0.7	0.7	13.8	145
North Eastern	**51.8**	**43.3**	**77.3**	**0.0**	**2.0**	**2.0**	**8.5**	**0.8**	**247**
Garissa	48.3	55.2	72.4	0.0	0.0	1.7	0.0	0.0	58
Mandera	46.2	15.4	75.4	0.0	6.2	6.2	24.6	1.5	65
Wajir	56.5	52.4	80.6	0.0	0.8	0.0	4.0	0.8	124
Nyanza	**57.4**	**13.2**	**35.7**	**0.7**	**80.4**	**3.1**	**1.7**	**0.9**	**1,370**
Gucha	84.5	4.3	8.6	0.0	38.8	0.0	1.7	0.0	116
Homa Bay	57.1	18.1	42.9	0.0	89.5	2.9	1.9	1.0	105
Kisii	60.0	3.3	37.8	0.0	91.1	2.2	0.0	0.0	90
Kisumu	40.2	19.6	33.6	0.0	97.2	0.9	0.0	0.0	107
Kuria	73.5	10.3	42.7	0.0	51.3	2.6	0.0	0.0	117
Migori	64.7	14.7	39.7	3.4	84.5	8.6	3.4	0.9	116
Nyamira	65.2	4.5	18.8	0.0	84.8	1.8	0.9	2.7	112
Rachuonyo	56.5	19.8	45.0	0.0	85.5	3.1	3.1	3.1	131
Siaya	35.9	17.6	18.3	3.1	94.7	3.1	0.0	1.5	131
Suba	54.8	3.8	56.7	0.0	71.2	4.8	1.9	1.0	104
Bondo	44.1	10.2	43.2	0.8	89.8	5.1	5.9	0.0	118
Nyando	54.5	27.6	43.9	0.0	87.8	1.6	0.8	0.8	123

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Table 9.11: **Contd...**

Region	Cattle	Sheep	Goats	Pigs	Chicken	Other Poultry	Donkeys	Other Animals	Total Count
Rift Valley									
Baringo	63.8	29.1	67.7	0.0	52.8	1.6	1.6	7.1	127
Bomet	89.0	28.4	27.5	0.0	66.1	0.0	4.6	0.9	109
Keiyo	74.8	56.1	23.6	0.0	58.5	0.8	4.1	0.0	123
Kajiado	58.7	52.2	60.9	1.1	39.1	0.0	25.0	3.3	92
Kericho	81.3	13.2	34.1	0.0	73.6	1.1	8.8	0.0	91
Koibatek	75.8	43.9	37.9	0.0	62.9	0.8	6.1	3.0	132
Laikipia	54.4	34.2	27.8	0.0	78.5	6.3	0.0	0.0	79
Marakwet	73.2	39.0	29.3	0.0	7.3	0.0	3.7	0.0	82
Nakuru	61.8	49.6	30.5	0.0	71.0	3.1	13.7	3.8	131
Nandi	85.0	25.7	8.8	0.0	45.1	0.9	0.9	0.0	113
Narok	88.3	52.5	63.3	0.0	39.2	1.7	15.8	0.0	120
Samburu	65.3	73.6	77.7	0.0	17.4	0.0	9.9	1.7	121
Trans Mara	89.2	27.9	55.9	0.0	60.4	0.9	5.4	0.0	111
Trans Nzoia	50.0	42.0	6.3	0.9	91.1	8.9	5.4	7.1	112
Turkana	4.0	53.5	92.1	0.0	6.9	2.0	16.8	2.0	101
Uasin Gishu	69.6	36.7	6.3	0.0	38.0	10.1	2.5	0.0	79
West Pokot	80.1	52.5	77.3	0.0	49.6	0.0	0.7	0.7	141
Buret	98.8	16.9	6.0	0.0	49.4	0.0	7.2	0.0	83
Western	**54.4**	**21.7**	**17.7**	**3.6**	**88.3**	**7.3**	**1.2**	**5.3**	**1,099**
Bungoma	63.0	22.8	13.6	1.2	81.5	11.1	0.6	1.2	162
Busia	28.7	12.3	18.9	13.9	89.3	7.4	0.0	4.9	122
Mt. Elgon	63.4	39.3	23.4	0.7	89.0	6.2	6.2	6.9	145
Kakamega	55.9	18.2	11.2	2.8	90.2	9.1	0.7	5.6	143
Lugari	54.5	30.8	10.5	1.4	92.3	5.6	1.4	12.6	143
Teso	44.7	21.9	43.0	11.4	78.9	8.8	0.0	1.8	114
Vihiga	69.4	7.5	14.2	0.0	91.0	3.7	0.0	6.0	134
Butere/Mumias	49.3	17.6	11.8	0.7	93.4	5.9	0.0	2.9	136

Table 9.12: **Percentage distribution of Households by Number of Cattle Owned**

Region	Average Number	No. of Cattle									Total Count
		1	2	3	4	5 - 10	11 - 20	21 - 50	51 +	None	
Kenya	**6.0**	**11.8**	**13.9**	**8.0**	**6.5**	**12.8**	**3.7**	**1.8**	**0.9**	**40.6**	**7776**
Rural	5.9	12.1	14.6	8.3	6.9	13.7	3.8	1.8	1.0	37.8	6757
Urban	6.9	9.6	9.7	6.3	4.0	6.8	2.7	1.6	0.7	58.6	1019
Nairobi	**7.3**		**8.3**	**8.3**		**25.0**	**8.3**			**50.0**	**12**
Central	**2.2**	**30.4**	**22.8**	**10.3**	**4.2**	**5.8**	**0.2**	**0.2**	**0.2**	**25.9**	**817**
Kiambu	2.5	26.4	23.6	9.1	8.2	10.9			0.9	20.9	110
Kirinyaga	1.8	27.4	27.4	12.4	0.9	0.9				31.0	113
Murang'a	1.6	41.7	23.1	6.5	0.9	2.8				25.0	108
Nyandarua	2.9	22.0	22.0	17.4	7.6	11.4	1.5			18.2	132
Nyeri	2.7	32.0	21.6	8.0	4.8	7.2		1.6	0.8	24.0	125
Thika	1.9	23.9	19.6	9.8	2.2	2.2				42.4	92
Maragua	1.8	38.0	21.9	8.0	3.6	3.6				24.8	137
Coast	**13.8**	**2.8**	**3.5**	**2.1**	**1.7**	**5.7**	**3.7**	**1.2**	**1.0**	**78.2**	**574**
Kilifi	3.0		1.3		1.3					97.4	78
Kwale	6.6	1.0	3.0	1.0		2.0	3.0			90.1	101
Lamu	25.1		1.1	2.2		7.6	5.4		2.2	81.5	92
Mombasa	20.0						16.7			83.3	6
Taita Taveta	4.6	8.6	9.5	5.7	6.7	9.5	2.9	1.0		56.2	105
Tana River	20.0	5.5	4.6	2.8	1.8	12.8	8.3	5.5	3.7	55.0	109
Malindi	-									100.0	83
Eastern	**5.8**	**11.3**	**15.3**	**7.9**	**6.5**	**13.6**	**3.5**	**1.9**	**0.8**	**39.2**	**1710**
Embu	2.0	24.4	23.3	8.9	1.1	3.3				38.9	90
Isiolo	19.2	2.3	3.8	4.5	4.5	21.2	13.6	11.4	3.8	34.8	132
Kitui	3.9	9.2	10.0	9.2	4.6	10.0	1.5			55.4	130
Makueni	3.6	10.1	18.5	10.7	11.2	12.9	1.1	0.6	1.1	33.7	178
Machakos	4.3	8.5	16.3	7.8	11.8	15.7	3.3	0.7		35.9	153
Marsabit	16.0	2.9	7.8	3.9	2.9	13.7	3.9	4.9	2.0	57.8	102
Mbeere	3.4	13.4	9.2	7.0	4.9	10.6	0.7			54.2	142
Meru Central	2.5	22.1	23.9	14.2	6.2	10.6				23.0	113
Moyale	8.1	7.0	8.5	3.5	7.0	27.5	10.6	5.6		30.3	142
Mwingi	4.8	8.6	10.0	5.7	10.0	17.9	3.6	0.7	0.7	42.9	140
Meru North	3.4	15.2	20.7	10.9	6.5	10.9	1.1	1.1		33.7	92
Tharaka	4.7	9.3	14.6	4.6	5.3	16.6	4.0	0.7	1.3	43.7	151
Meru South	2.1	20.0	34.5	12.4	3.4	1.4			0.7	27.6	145
North Eastern	**18.5**	**1.2**	**2.8**	**3.2**	**3.2**	**15.8**	**15.8**	**8.9**	**0.8**	**48.2**	**247**
Garissa	19.8		3.4		1.7	12.1	19.0	10.3	1.7	51.7	58
Mandera	10.4	3.1	4.6	4.6	1.5	16.9	12.3	3.1		53.8	65
Wajir	21.4	0.8	1.6	4.0	4.8	16.9	16.1	11.3	0.8	43.5	124
Nyanza	**4.0**	**11.5**	**12.9**	**8.5**	**6.6**	**13.2**	**2.8**	**0.4**	**0.8**	**43.4**	**1370**
Gucha	1.9	36.2	26.7	16.4	4.3	0.9				15.5	116
Homa Bay	4.6	9.5	8.6	2.9	10.5	22.9	1.0		1.9	42.9	105
Kisii	3.5	16.7	14.4	12.2	5.6	7.8	1.1	1.1		41.1	90
Kisumu	4.3	4.7	11.2	0.9	3.7	14.0	2.8			62.6	107
Kuria	4.5	9.4	15.4	8.5	12.0	23.1	5.1			26.5	117
Migori	3.3	12.1	18.1	12.1	7.8	9.5	1.7	0.9	1.7	36.2	116
Nyamira	3.3	17.9	14.3	15.2	5.4	8.0	1.8	0.9	0.9	35.7	112
Rachuonyo	4.4	8.4	12.2	7.6	6.1	16.8	2.3	0.8	0.8	45.0	131
Siaya	5.1	3.8	3.1	9.2	3.8	9.9	3.8		2.3	64.1	131
Suba	4.3	9.6	12.5	6.7	5.8	15.4	2.9	1.0		46.2	104
Bondo	6.1	5.1	9.3	4.2	6.8	12.7	4.2		1.7	55.9	118
Nyando	5.1	7.3	10.6	5.7	7.3	17.1	5.7			46.3	123

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Table 9.12: **Contd...**

Region	Average Number	No. of Cattle									Total Count
		1	2	3	4	5 - 10	11 - 20	21 - 50	51 +	None	
Rift Valley	**8.4**	**8.2**	**14.2**	**8.8**	**8.9**	**19.3**	**6.0**	**3.2**	**1.7**	**29.7**	**1947**
Baringo	7.2	7.1	9.4	9.4	9.4	16.5	6.3	3.1	0.8	37.8	127
Bomet	6.9	11.0	32.1	17.4	5.5	10.1	9.2	2.8	0.9	11.0	109
Keiyo	5.1	9.8	7.3	12.2	13.8	26.0	4.9	0.8		25.2	123
Kajiado	14.6	3.3	5.4	4.3	7.6	20.7	6.5	7.6	3.3	41.3	92
Kericho	3.2	15.4	25.3	13.2	13.2	12.1	2.2			18.7	91
Koibatek	7.0	9.8	14.4	9.1	9.1	28.0	3.0	0.8	1.5	24.2	132
Laikipia	2.7	17.7	17.7	1.3	7.6	10.1				45.6	79
Marakwet	4.5	2.4	23.2	13.4	9.8	23.2		1.2		26.8	82
Nakuru	3.9	13.0	18.3	10.7	7.6	8.4	1.5	2.3		38.2	131
Nandi	4.9	10.6	21.2	13.3	9.7	23.0	3.5	3.5		15.0	113
Narok	28.8	3.3	5.0	3.3	8.3	24.2	19.2	12.5	12.5	11.7	120
Samburu	5.4	9.9	12.4	9.1	9.9	16.5	5.8	1.7		34.7	121
Trans Mara	17.3	3.6	5.4	6.3	9.0	27.9	16.2	11.7	9.0	10.8	111
Trans Nzoia	4.1	7.1	14.3	2.7	8.0	14.3	0.9	0.9	0.9	50.9	112
Turkana	23.5				1.0			1.0	1.0	97.0	101
Uasin Gishu	4.2	5.1	24.1	8.9	11.4	15.2	5.1			30.4	79
West Pokot	8.0	0.7	7.1	11.3	7.1	36.2	14.2	3.5		19.9	141
Buret	3.8	21.7	24.1	10.8	13.3	25.3	2.4	1.2		1.2	83
Western	**3.3**	**12.6**	**14.1**	**8.6**	**7.2**	**7.7**	**1.0**	**0.7**	**0.4**	**47.8**	**1099**
Bungoma	4.0	13.6	13.0	10.5	9.9	9.9	1.2	1.9	0.6	39.5	162
Busia	4.1	7.4	6.6	4.1	3.3	4.9	2.5			71.3	122
Mt. Elgon	3.3	13.1	14.5	10.3	9.7	10.3	0.7	0.7		40.7	145
Kakamega	2.6	21.0	13.3	7.0	4.9	8.4				45.5	143
Lugari	3.7	9.1	15.4	6.3	9.1	9.1	1.4	0.7	0.7	48.3	143
Teso	4.4	7.0	14.0	7.0	6.1	7.0	1.8	1.8		55.3	114
Vihiga	2.5	17.9	20.9	16.4	4.5	3.0	0.7	0.7	1.5	34.3	134
Butere/Mumias	2.9	9.6	14.7	5.9	8.8	8.1	-	-	-	52.9	136

Table 9.13: **Percentage distribution of Households by Number of Goats Owned and Region**

Region	Average Number	No. of Goats									Total Count
		1	2	3	4	5 - 10	11 - 20	21 - 50	51 +	None	
Kenya	**10.9**	**4.0**	**5.5**	**4.5**	**3.6**	**10.9**	**4.9**	**3.2**	**1.3**	**62.2**	**7,776**
Rural	11.2	4.2	5.7	4.9	3.8	11.5	5.4	3.6	1.4	59.6	6,757
Urban	7.6	2.5	3.8	2.0	2.4	6.8	1.9	1.0	0.4	79.4	1,019
Nairobi	**3.0**	-	-	**8.3**	-	-	-	-	-	**91.7**	**12**
Central	**2.9**	**5.8**	**8.3**	**6.5**	**3.5**	**4.4**	**0.2**	-	**0.1**	**71.1**	**817**
Kiambu	4.8		0.9	0.9		1.8	-	-	-	96.4	110
Kirinyaga	2.6	9.7	11.5	6.2	5.3	4.4				62.8	113
Murang'a	2.5	10.2	13.0	11.1	6.5	4.6	-	-	0.9	53.7	108
Nyandarua	5.2	0.8	3.0	0.8	0.8	2.3	0.8	-	-	91.7	132
Nyeri	3.4	1.6	5.6	4.0	0.8	4.0	-	-	-	84.0	125
Thika	2.7	5.4	18.5	8.7	4.3	6.5	-	-	-	56.5	92
Maragua	3.0	12.4	8.8	13.9	7.3	7.3	0.7	-	-	49.6	137
Coast	**12.8**	**2.6**	**3.7**	**4.4**	**4.0**	**16.9**	**12.7**	**9.9**	**0.9**	**44.9**	**574**
Kilifi	13.2	2.6	1.3	2.6	7.7	16.7	16.7	16.7	-	35.9	78
Kwale	12.3	1.0	2.0	3.0	3.0	16.8	9.9	6.9	-	57.4	101
Lamu	17.1	1.1	3.3	6.5	3.3	15.2	10.9	10.9	4.3	44.6	92
Mombasa	15.0					16.7	16.7			66.7	6
Taita Taveta	7.4	6.7	4.8	3.8	1.0	12.4	5.7	1.9	-	63.8	105
Tana River	10.0	1.8	5.5	8.3	5.5	20.2	13.8	6.4		38.5	109
Malindi	15.7	2.4	4.8	1.2	4.8	20.5	21.7	21.7	1.2	21.7	83
Eastern	**9.5**	**4.3**	**8.1**	**6.6**	**5.1**	**17.8**	**5.9**	**3.8**	**1.4**	**47.0**	**1,710**
Embu	2.3	14.4	12.2	12.2	2.2	3.3	-	-	-	55.6	90
Isiolo	-									100.0	132
Kitui	7.0	3.8	10.8	10.8	6.9	23.8	5.4	4.6	0.8	33.1	130
Makueni	6.5	2.2	6.7	5.1	6.2	16.3	5.1	1.1	1.1	56.2	178
Machakos	6.9	2.6	7.8	3.9	5.2	15.0	4.6	3.3		57.5	153
Marsabit	31.3	1.0	2.9	2.9	3.9	25.5	11.8	17.6	7.8	26.5	102
Mbeere	7.1	2.1	11.3	7.7	9.2	31.7	6.3	2.8	0.7	28.2	142
Meru Central	3.4	5.3	12.4	2.7	2.7	8.0	0.9	-	-	68.1	113
Moyale	11.2	0.7	3.5	7.7	2.1	23.9	9.2	7.0	1.4	44.4	142
Mwingi	9.1	5.0	8.6	8.6	7.9	30.7	15.0	4.3	2.9	17.1	140
Meru North	3.8	2.2	8.7	3.3	5.4	8.7	1.1	-	-	70.7	92
Tharaka	11.8	5.3	9.9	11.3	4.0	24.5	13.2	9.3	2.6	19.9	151
Meru South	3.4	13.1	11.7	9.0	8.3	11.7	0.7	-	1.4	44.1	145
North Eastern	**22.8**	**0.4**	**0.4**	-	**0.4**	**14.6**	**23.1**	**7.7**	**2.8**	**50.6**	**247**
Garissa	15.6	-	-	-	-	8.6	13.8	3.4	-	74.1	58
Mandera	30.3	-	1.5	-	-	1.5	3.1	3.1	3.1	87.7	65
Wajir	23.3	0.8	-	-	0.8	24.2	37.9	12.1	4.0	20.2	124
Nyanza	**4.0**	**5.5**	**6.8**	**4.8**	**4.3**	**9.2**	**1.5**	**0.2**	-	**67.7**	**1,370**
Gucha	2.0	2.6	4.3	0.9	0.9	-	-	-	-	91.4	116
Homa Bay	3.8	10.5	7.6	7.6	2.9	12.4	1.9	-	-	57.1	105
Kisii	2.5	10.0	10.0	4.4	4.4	3.3	1.1	-	-	66.7	90
Kisumu	4.2	4.7	6.5	4.7	2.8	10.3	2.8	-	-	68.2	107
Kuria	4.4	5.1	7.7	7.7	7.7	10.3	2.6	-	-	59.0	117
Migori	3.9	8.6	4.3	8.6	4.3	12.1	0.9	-	-	61.2	116
Nyamira	2.3	6.3	3.6		1.8	1.8	0.9	-	-	85.7	112
Rachuonyo	3.3	3.1	8.4	7.6	8.4	11.5		-	-	61.1	131
Siaya	3.9	2.3	7.6	1.5		3.8	0.8	-	-	84.0	131
Suba	5.3	2.9	10.6	4.8	5.8	16.3	5.8	-	-	53.8	104
Bondo	4.2	5.9	5.9	4.2	6.8	15.3	0.8	-	-	61.0	118
Nyando	5.3	5.7	5.7	5.7	5.7	13.0	0.8	2.4	-	61.0	123

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Table 9.13: **Contd...**

Region	Average Number	No. of Goats									Total Count
		1	2	3	4	5 - 10	11 - 20	21 - 50	51 +	None	
Rift Valley	**18.5**	**2.5**	**3.1**	**2.5**	**3.3**	**11.4**	**6.5**	**5.5**	**3.2**	**62.1**	**1,947**
Baringo	23.6	6.3	4.7	3.1	3.1	11.0	3.9	7.1	7.9	52.8	127
Bomet	5.3	3.7	4.6	5.5	4.6	6.4	1.8	0.9		72.5	109
Keiyo	18.4	0.8	0.8	0.8	1.6	12.2	3.3	2.4	1.6	76.4	123
Kajiado	17.0	1.1	4.3	1.1	2.2	12.0	9.8	4.3	2.2	63.0	92
Kericho	4.7	3.3	6.6	7.7	4.4	8.8	3.3			65.9	91
Koibatek	19.6	1.5	1.5	0.8	1.5	15.9	8.3	6.8	1.5	62.1	132
Laikipia	5.1	1.3	6.3	5.1	2.5	11.4	1.3			72.2	79
Marakwet	9.5	1.2		1.2	2.4	15.9	7.3	1.2		70.7	82
Nakuru	15.5	8.4	3.1	3.1	3.1	6.9	3.1	1.5	0.8	70.2	131
Nandi	4.6	1.8	4.4	0.9		0.9		0.9		91.2	113
Narok	28.6	0.8	2.5	0.8	2.5	14.2	10.8	9.2	7.5	51.7	120
Samburu	8.5	5.0	11.6	5.8	11.6	27.3	9.9	4.1	0.8	24.0	121
Trans Mara	8.9		0.9	5.4	7.2	11.7	8.1	1.8	0.9	64.0	111
Trans Nzoia	3.7	2.7		0.9	0.9	1.8				93.8	112
Turkana	44.5	1.0	2.0	1.0	2.0	9.9	9.9	34.7	31.7	7.9	101
Uasin Gishu	5.4	1.3	1.3			3.8				93.7	79
West Pokot	17.0	0.7	0.7	1.4	5.7	24.8	25.5	17.0	1.4	22.7	141
Buret	4.4	2.4	1.2		1.2		1.2			94.0	83
Western	**4.9**	**4.5**	**3.7**	**3.8**	**1.5**	**2.3**	**0.2**	**0.1**	**0.2**	**83.8**	**1,099**
Bungoma	3.3	3.7	2.5	1.9	1.2	2.5	0.6			87.7	162
Busia	4.1	3.3	2.5	3.3	4.1	4.1	0.8			82.0	122
Mt. Elgon	2.6	4.8	5.5	7.6	0.7	3.4			0.7	77.2	145
Kakamega	2.0	2.1	2.8	3.5	0.7					90.9	143
Lugari	36.5	2.1	2.1	0.7	0.7	1.4			0.7	92.3	143
Teso	3.1	10.5	8.8	11.4	3.5	7.0		0.9		57.9	114
Vihiga	1.8	5.2	3.0	3.7		0.7				87.3	134
Butere/Mumias	1.6	5.1	3.7		1.5					89.7	136

Table 9.14: Percentage Distribution of Households by Number of Sheep Owned

Region	Average Number	No. of Sheep									Total Count
		1	2	3	4	5 - 10	11 - 20	21 - 50	51 +	None	
Kenya	**10.7**	**2.6**	**3.6**	**2.1**	**2.2**	**6.0**	**2.5**	**1.2**	**0.5**	**79.3**	**7,776**
Rural	10.9	2.8	3.7	2.2	2.2	6.2	2.7	1.4	0.5	78.3	6,757
Urban	8.8	1.3	2.5	1.8	2.0	4.7	1.1	0.2	0.5	86.1	1,019
Nairobi	-									**100.0**	**12**
Central	**7.5**	**1.8**	**3.3**	**2.1**	**1.7**	**5.1**	**1.6**	**1.0**	**0.1**	**83.2**	**817**
Kiambu	4.4	0.9	4.5	3.6	0.9	6.4	0.9			82.7	110
Kirinyaga	2.1	2.7	0.9	1.8	0.9					93.8	113
Murang'a	2.3	3.7	1.9			1.9				92.6	108
Nyandarua	11.9	3.0	3.8	5.3	3.8	16.7	7.6	5.3	0.8	53.8	132
Nyeri	6.3	0.8	4.0	0.8	4.0	5.6	1.6	0.8		82.4	125
Thika	2.7	2.2	4.3	1.1	1.1	3.3				88.0	92
Maragua	2.9		3.6	1.5	0.7	0.7				93.4	137
Coast	**7.7**	**1.2**	**1.4**	**1.0**	**2.1**	**5.4**	**1.2**	**0.9**		**86.8**	**574**
Kilifi	12.0						1.3			98.7	78
Kwale	4.9		1.0	2.0	4.0	5.0				88.1	101
Lamu	8.3	2.2			4.3	3.3		1.1		89.1	92
Mombasa	6.0					16.7				83.3	6
Taita Taveta	4.3	1.9	1.0	1.0		2.9				93.3	105
Tana River	8.7	2.8	5.5	2.8	3.7	17.4	5.5	3.7		58.7	109
Malindi	-									100.0	83
Eastern	**6.6**	**2.2**	**2.6**	**1.1**	**1.2**	**2.7**	**0.6**	**0.5**	**0.2**	**89.0**	**1,710**
Embu	2.0	3.3	2.2	3.3						91.1	90
Isiolo	22.0				0.8	0.8	0.8	2.3		95.5	132
Kitui	8.5					1.5				98.5	130
Makueni	3.8	1.7		0.6	0.6	3.4				93.8	178
Machakos	5.7	2.0	0.7	2.0	1.3	2.6	2.6			88.9	153
Marsabit	28.8		2.0	1.0	1.0	3.9		2.9	2.0	87.3	102
Mbeere	5.1	2.1	2.1	1.4	2.1	3.5	1.4			87.3	142
Meru Central	2.4	2.7	8.8	1.8	0.9	3.5				82.3	113
Moyale	9.4	0.7	0.7		2.1	5.6		1.4		89.4	142
Mwingi	9.6	1.4	1.4		0.7	1.4	0.7		0.7	93.6	140
Meru North	2.7	2.2	2.2	1.1	3.3	1.1				90.2	92
Tharaka	4.1	7.3	6.6	0.7	1.3	4.6	1.3	0.7		77.5	151
Meru South	2.3	4.1	7.6	2.8	1.4	2.1				82.1	145
North Eastern	**14.9**			**0.8**	**1.6**	**10.5**	**10.5**	**4.5**	**0.8**	**71.3**	**247**
Garissa	12.0					1.7	3.4			94.8	58
Mandera	10.3					3.1	1.5			95.4	65
Wajir	15.3			1.6	3.2	18.5	18.5	8.9	1.6	47.6	124
Nyanza	**4.0**	**2.1**	**3.3**	**1.2**	**1.6**	**2.8**	**0.8**	**0.1**		**88.1**	**1,370**
Gucha	1.2	3.4	0.9							95.7	116
Homa Bay	2.6	5.7	5.7	1.0	1.9	2.9				82.9	105
Kisii	1.0	1.1	1.1							97.8	90
Kisumu	3.5	1.9	1.9	4.7	3.7	4.7	0.9			82.2	107
Kuria	5.8	1.7	0.9	0.9	0.9	3.4	0.9			91.5	117
Migori	3.1	2.6	6.0	0.9	2.6	0.9	0.9			86.2	116
Nyamira	2.6		0.9			1.8				97.3	112
Rachuonyo	5.0	3.1	4.6	3.1	1.5	5.3	0.8	0.8		80.9	131
Siaya	4.1	3.1	4.6	1.5	2.3	3.1	1.5			84.0	131
Suba	5.5	1.0				1.0				98.1	104
Bondo	5.3	0.8	1.7	0.8	2.5	3.4	0.8			89.8	118
Nyando	4.4	0.8	9.8	1.6	3.3	5.7	3.3			75.6	123

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Table 9.14: **Contd...**

Region	Average Number	No. of Sheep									Total Count
		1	2	3	4	5 - 10	11 - 20	21 - 50	51 +	None	
Rift Valley	**16.0**	**2.8**	**4.6**	**3.9**	**3.9**	**12.8**	**6.1**	**3.2**	**1.6**	**61.0**	**1,947**
Baringo	8.7	3.9	3.1	3.9	1.6	2.4	1.6		0.8	82.7	127
Bomet	4.9	1.8	9.2	4.6	3.7	6.4	2.8			71.6	109
Keiyo	7.4	1.6	6.5	4.1	4.1	29.3	5.7	2.4		46.3	123
Kajiado	29.6		2.2	1.1	2.2	8.7	7.6	7.6	4.3	66.3	92
Kericho	5.7		2.2	2.2	1.1	6.6	1.1			86.8	91
Koibatek	8.0	1.5	4.5	2.3	6.1	16.7	9.8	0.8		58.3	132
Laikipia	5.9	3.8	3.8	7.6	2.5	10.1	3.8	1.3		67.1	79
Marakwet	10.1	3.7	4.9	2.4	2.4	15.9	4.9	4.9		61.0	82
Nakuru	5.1	5.3	8.4	8.4	9.2	13.0	2.3	1.5		51.9	131
Nandi	4.2	1.8	7.1	5.3	4.4	3.5	2.7			75.2	113
Narok	80.9	2.5		0.8	1.7	7.5	7.5	17.5	15.0	47.5	120
Samburu	12.7	8.3	5.0	5.8	6.6	24.8	12.4	5.0	4.1	28.1	121
Trans Mara	32.1	0.9	5.4	0.9	1.8	10.8	3.6	2.7	1.8	72.1	111
Trans Nzoia	3.9	8.9	8.0	3.6	4.5	10.7	2.7			61.6	112
Turkana	14.0	1.0	5.0	2.0	1.0	11.9	18.8	11.9		48.5	101
Uasin Gishu	5.7		3.8	7.6	5.1	15.2	5.1			63.3	79
West Pokot	10.4	1.4		5.7	5.7	23.4	13.5	2.1	0.7	47.5	141
Buret	3.9	2.4	3.6	1.2	2.4	7.2				83.1	83
Western	**3.6**	**5.3**	**5.7**	**2.8**	**2.1**	**2.9**	**0.5**		**0.2**	**80.4**	**1,099**
Bungoma	2.5	5.6	6.8	1.9	4.3	2.5				79.0	162
Busia	1.7	5.7	4.9	0.8	0.8					87.7	122
Mt. Elgon	5.5	8.3	10.3	6.9	4.8	5.5	1.4		0.7	62.1	145
Kakamega	2.2	7.0	2.8	4.9	1.4	0.7			0.7	82.5	143
Lugari	4.5	2.8	6.3	3.5	1.4	8.4	1.4			76.2	143
Teso	3.1	5.3	7.0	1.8	2.6	3.5	0.9			78.9	114
Vihiga	1.5	3.7	1.5	1.5						93.3	134
Butere/Mumias	2.9	3.7	5.9	0.7	0.7	2.2	0.7			86.0	136

Table 9.15: Percentage distribution of Households by Number of Camels Owned

Region	Average Number	No. of Camels									Total Count
		1	2	3	4	5 - 10	11 - 20	21 - 50	51 +	None	
Kenya	**8.9**	**0.2**	**0.3**	**0.2**	**0.2**	**0.6**	**0.3**	**0.2**	**0.0**	**97.9**	**7,776**
Rural	8.5	0.2	0.4	0.2	0.2	0.7	0.3	0.1	0.0	97.8	6,757
Urban	13.6		0.1	0.2	0.1	0.1	0.4	0.2		98.9	1,019
Nairobi	**-**									**100.0**	**12**
Central	**5.5**					**0.1**				**99.8**	**817**
Kiambu	5.5					0.9				98.2	110
Kirinyag'a	-									100.0	113
Murang'a	-									100.0	108
Nyandarua	-									100.0	132
Nyeri	-									100.0	125
Thika	-									100.0	92
Maragua	-									100.0	137
Coast	**5.4**			**0.2**	**0.3**		**0.2**			**99.1**	**574**
Kilifi	-									100.0	78
Kwale	-									100.0	101
Lamu	-									100.0	92
Mombasa	-									100.0	6
Taita Taveta	15.0						1.0			99.0	105
Tana River	3.0			0.9	1.8					96.3	109
Malindi	-									100.0	83
Eastern	**7.5**		**1.0**	**0.4**	**0.4**	**1.3**	**0.4**	**0.4**		**95.7**	**1,710**
Embu	-									100.0	90
Isiolo	4.8		3.0	0.8	0.8	0.8	0.8			93.2	132
Kitui	-									100.0	130
Makueni	-									100.0	178
Machakos	-									100.0	153
Marsabit	8.4		5.9	2.0	2.9	10.8	3.9	3.9		65.7	102
Mbeere	-									100.0	142
Meru Central	-									100.0	113
Moyale	7.2		4.9	2.1	2.1	7.0	1.4	1.4		79.6	142
Mwingi	-									100.0	140
Meru North	-									100.0	92
Tharaka	-									100.0	151
Meru South	-									100.0	145
North Eastern	**13.6**		**0.4**	**2.0**	**2.4**	**7.7**	**7.3**	**2.0**	**0.4**	**77.7**	**247**
Garissa	34.8				1.7	1.7	1.7	1.7	1.7	91.4	58
Mandera	10.3			1.5	3.1	13.8	9.2			72.3	65
Wajir	12.2		0.8	3.2	2.4	7.3	8.9	3.2		74.2	124
Nyanza	**-**									**100.0**	**1,370**
Gucha	-									100.0	116
Homa Bay	-									100.0	105
Kisii	-									100.0	90
Kisumu	-									100.0	107
Kuria	-									100.0	117
Migori	-									100.0	116
Nyamira	-									100.0	112
Rachuonyo	-									100.0	131
Siaya	-									100.0	131
Suba	-									100.0	104
Bondo	-									100.0	118
Nyando	-									100.0	123

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Table 9.15: **Contd...**

Region	Average Number	No. of Camels									Total Count
		1	2	3	4	5 - 10	11 - 20	21 - 50	51 +	None	
Rift Valley	**4.3**		**0.4**	**0.1**	**0.1**	**0.4**		**0.1**	**0.1**	**98.7**	**1,947**
Baringo	14.3			0.8		0.8		0.8		97.6	127
Bomet										100.0	109
Keiyo										100.0	123
Kajiado										100.0	92
Kericho										100.0	91
Koibatek	6.0					0.8				99.2	132
Laikipia										100.0	79
Marakwet										100.0	82
Nakuru	9.0					0.8				99.2	131
Nandi										100.0	113
Narok										100.0	120
Samburu	3.3		5.0	0.8	1.7	2.5			0.8	87.6	121
Trans Mara										100.0	111
Trans Nzoia										100.0	112
Turkana	0.8		1.0							97.0	101
Uasin Gishu										100.0	79
West Pokot	3.0		0.7			0.7				97.9	141
Buret										100.0	83
Western										**100.0**	**1,099**
Bungoma										100.0	162
Busia										100.0	122
Mt. Elgon										100.0	145
Kakamega										100.0	143
Lugari										100.0	143
Teso										100.0	114
Vihiga										100.0	134
Butere/Mumias										100.0	136

Table 9.16: **Percentage Distribution of Households by Number of Donkeys Owned**

Region	Average Number	No. of Donkeys							Total Count
		1	2	3	4	5 - 10	51 +	None	
Kenya	**1.7**	**3.4**	**1.5**	**0.6**	**0.2**	**0.2**	**0.0**	**94.1**	**7,776**
Rural	1.7	3.8	1.7	0.6	0.2	0.2	0.0	93.4	6,757
Urban	2.1	0.8	0.1	0.2	0.1	0.2		98.6	1,019
Nairobi								**100.0**	**12**
Central	**3.3**	**0.1**	**0.1**			**0.2**		**99.5**	**817**
Kiambu	5.0					0.9		99.1	110
Kirinyaga								100.0	113
Murang'a								100.0	108
Nyandarua	2.7	0.8	0.8			0.8		97.7	132
Nyeri								100.0	125
Thika								100.0	92
Maragua								100.0	137
Coast	**1.3**	**0.5**	**0.2**					**99.3**	**574**
Kilifi								100.0	78
Kwale								100.0	101
Lamu	1.5	1.1	1.1					97.8	92
Mombasa								100.0	6
Taita Taveta								100.0	105
Tana River	1.0	1.8						98.2	109
Malindi								100.0	83
Eastern	**1.6**	**8.8**	**4.2**	**1.4**	**0.4**	**0.4**		**84.8**	**1,710**
Embu								100.0	90
Isiolo	2.5	11.4	12.9	9.1	3.8	3.8		59.1	132
Kitui	1.2	31.5	9.2	1.5				57.7	130
Makueni	1.4	3.9	2.8					93.3	178
Machakos	1.1	5.9	1.3					92.8	153
Marsabit	1.0	1.0						99.0	102
Mbeere	1.0	0.7						99.3	142
Meru Central	2.0		2.7					97.3	113
Moyale	1.4	16.2	4.9	2.8				76.1	142
Mwingi	1.6	32.9	15.7	3.6	1.4	0.7		45.7	140
Meru North	2.0	1.1		1.1				97.8	92
Tharaka	1.8	4.6	2.0			0.7		92.7	151
Meru South	0.0							100.0	145
North Eastern	**1.2**	**7.3**	**0.8**		**0.4**			**91.5**	**247**
Garissa	1.3							100.0	58
Mandera	1.0	20.0	3.1		1.5			75.4	65
Wajir		4.0						96.0	124
Nyanza	**1.3**	**1.2**	**0.1**	**0.2**				**98.4**	**1,370**
Gucha	1.0	1.7						98.3	116
Homa Bay	0.5	1.0						99.0	105
Kisii								100.0	90
Kisumu								100.0	107
Kuria								100.0	117
Migori	1.0	3.4						96.6	116
Nyamira	1.0	0.9						99.1	112
Rachuonyo	1.5	2.3		0.8				96.9	131
Siaya								100.0	131
Suba	2.0	1.0		1.0				98.1	104
Bondo	1.3	4.2	1.7					94.1	118
Nyando	3.0			0.8				99.2	123

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Table 9.16: **Contd...**

Region	Average Number	No. of Donkeys							Total Count
		1	2	3	4	5 - 10	51 +	None	
Rift Valley	**1.8**	**3.6**	**1.8**	**0.8**	**0.3**	**0.4**	**0.1**	**93.0**	**1,947**
Baringo	1.0	1.6						98.4	127
Bomet	1.0	4.6						95.4	109
Keiyo	3.4	1.6	0.8			1.6		95.9	123
Kajiado	2.5	7.6	5.4	6.5	3.3	2.2		75.0	92
Kericho	1.4	5.5	3.3					91.2	91
Koibatek	2.8	2.3	2.3	0.8		0.8		93.9	132
Laikipia								100.0	79
Marakwet	2.3	1.2	1.2		1.2			96.3	82
Nakuru	1.6	6.9	3.8	2.3				87.0	131
Nandi	1.0	0.9						99.1	113
Narok	1.8	5.8	5.8	1.7	0.8		1.7	84.2	120
Samburu	2.0	5.0	2.5	0.8	0.8	0.8		90.1	121
Trans Mara	1.0	5.4						94.6	111
Trans Nzoia	1.5	3.6				0.9		95.5	112
Turkana	1.1	6.9	5.9					87.1	101
Uasin Gishu	3.0			2.5				97.5	79
West Pokot	2.0		0.7					99.3	141
Buret	1.0	7.2						92.8	83
Western	**2.6**	**0.5**	**0.1**	**0.1**	**0.2**	**0.2**		**98.9**	**1,099**
Bungoma	4.0				0.6			99.4	162
Busia								100.0	122
Mt. Elgon	2.1	3.4	0.7	0.7	0.7	0.7		93.8	145
Kakamega	0.0							100.0	143
Lugari	5.5	0.7				0.7		98.6	143
Teso								100.0	114
Vihiga								100.0	134
Butere/Mumias								100.0	136

Table 9.17: **Percentage distribution of Households by Number of Chicken Owned**

Region	Average Number	No. of Chicken									Total Count
		1	2	3	4	5 - 10	11 - 20	21 - 50	51 +	None	
Kenya	**11.9**	**3.8**	**5.2**	**5.0**	**4.9**	**23.2**	**14.8**	**6.5**	**1.1**	**35.5**	**7,776**
Rural	11.5	3.5	5.2	4.9	5.0	23.8	15.2	6.5	0.9	35.0	6,757
Urban	14.5	5.8	5.6	5.4	4.6	19.2	12.3	6.6	2.3	38.3	1,019
Nairobi	**91.3**					**16.7**	**8.3**	**25.0**	**16.7**	**33.3**	**12**
Central	**13.6**	**2.1**	**4.5**	**6.6**	**5.0**	**23.7**	**9.4**	**2.9**	**1.3**	**44.3**	**817**
Kiambu	11.4	2.7	1.8	3.6	0.9	10.9	3.6	2.7	0.9	72.7	110
Kirinyaga	10.9	2.7	5.3	7.1	6.2	27.4	11.5	1.8	0.9	37.2	113
Murang'a	6.4	1.9	3.7	9.3	2.8	25.0	4.6	0.9		51.9	108
Nyandarua	11.9		0.8	3.0	3.8	30.3	14.4	5.3	0.8	41.7	132
Nyeri	10.1	4.0	4.8	5.6	4.0	20.0	8.8	3.2	1.6	48.0	125
Thika	25.0	1.1	7.6	9.8	9.8	16.3	14.1	2.2	3.3	35.9	92
Maragua	16.9	2.2	8.0	8.8	8.0	32.1	8.8	3.6	2.2	26.3	137
Coast	**17.3**	**2.8**	**3.1**	**3.1**	**3.8**	**21.8**	**21.4**	**14.8**	**1.7**	**27.4**	**574**
Kilifi	18.6	1.3	2.6			20.5	28.2	26.9	1.3	19.2	78
Kwale	13.9	4.0	5.0	5.9	7.9	29.7	22.8	9.9	3.0	11.9	101
Lamu	17.4	1.1	4.3	3.3	3.3	22.8	25.0	19.6	3.3	17.4	92
Mombasa	84.2	16.7	16.7			33.3			16.7	16.7	6
Taita Taveta	18.3	1.9	2.9	5.7	6.7	33.3	16.2	7.6	1.9	23.8	105
Tana River	10.0	5.5	2.8	2.8	1.8	8.3	11.0	2.8		65.1	109
Malindi	18.5	1.2			2.4	14.5	31.3	30.1		20.5	83
Eastern	**10.9**	**5.3**	**5.3**	**5.2**	**5.2**	**25.3**	**16.4**	**6.3**	**1.0**	**30.1**	**1,710**
Embu	15.4	5.6	8.9	10.0	11.1	25.6	12.2	4.4	1.1	21.1	90
Isiolo	6.5	3.8	5.3	6.8	3.8	13.6	2.3	0.8	0.8	62.9	132
Kitui	10.2	8.5	5.4	8.5	8.5	26.2	21.5	7.7	0.8	13.1	130
Makueni	8.9	10.1	7.3	5.1	6.2	32.6	17.4	6.7	1.1	13.5	178
Machakos	14.8	3.3	8.5	5.9	3.9	28.1	22.2	13.7	3.9	10.5	153
Marsabit	7.0		1.0		2.0	1.0	1.0			95.1	102
Mbeere	11.1	3.5	3.5	1.4	3.5	38.7	26.1	11.3		12.0	142
Meru Central	7.7	4.4	4.4	6.2	6.2	29.2	8.8	4.4		36.3	113
Moyale	5.1	7.0	4.2	5.6	5.6	12.7	2.8	0.7		61.3	142
Mwingi	11.2	5.7	1.4	7.1	4.3	24.3	30.0	10.7	0.7	15.7	140
Meru North	9.5	3.3	5.4	3.3	4.3	21.7	5.4	6.5	1.1	48.9	92
Tharaka	13.1	5.3	7.9	2.0	4.0	32.5	27.8	7.9	1.3	11.3	151
Meru South	11.6	5.5	4.1	6.2	5.5	31.7	22.1	3.4	1.4	20.0	145
North Eastern	**5.4**		**0.4**	**0.4**	**0.4**	**0.4**	**0.4**			**98.0**	**247**
Garissa	3.5									100.0	58
Mandera	13.0		1.5	1.5	1.5	1.5				93.8	65
Wajir							0.8			99.2	124
Nyanza	**11.5**	**5.5**	**5.9**	**6.4**	**5.6**	**25.6**	**19.0**	**8.0**	**1.7**	**22.3**	**1,370**
Gucha	6.1	4.3	4.3	6.0	1.7	14.7	5.2	0.9		62.9	116
Homa Bay	11.1	4.8	7.6	8.6	3.8	32.4	20.0	7.6	2.9	12.4	105
Kisii	9.4	5.6	6.7	2.2	10.0	30.0	21.1	10.0		14.4	90
Kisumu	11.1	7.5	9.3	5.6	7.5	29.0	23.4	9.3	1.9	6.5	107
Kuria	13.6	0.9	3.4	3.4	0.9	17.9	16.2	6.8	1.7	48.7	117
Migori	12.6	5.2	6.9	4.3	6.0	25.9	15.5	15.5	1.7	19.0	116
Nyamira	15.0	5.4	6.3	6.3	5.4	29.5	18.8	7.1	3.6	17.9	112
Rachuonyo	13.7	5.3	3.1	5.3	9.9	29.0	18.3	6.9	3.1	19.1	131
Siaya	12.4	9.2	6.1	7.6	6.1	28.2	22.1	9.9	3.1	7.6	131
Suba	11.6	1.0	1.9	1.9	6.7	28.8	20.2	8.7	1.0	29.8	104
Bondo	11.9	6.8	6.8	14.4	3.4	20.3	24.6	11.9	0.8	11.0	118
Nyando	7.1	9.8	8.9	9.8	6.5	23.6	22.8	1.6		17.1	123

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Table 9.17: **Contd...**

Region	Average Number	No. of Chicken									Total Count
		1	2	3	4	5 - 10	11 - 20	21 - 50	51 +	None	
Rift Valley	**12.1**	**1.8**	**4.0**	**3.2**	**4.1**	**20.5**	**11.7**	**4.6**	**0.7**	**49.4**	**1,947**
Baringo	18.6	3.1	3.9	2.4	3.9	21.3	9.4	6.3	0.8	48.8	127
Bomet	9.1	2.8	7.3	5.5	5.5	28.4	11.9	4.6		33.9	109
Keiyo	10.0	4.1	1.6	3.3	3.3	26.8	14.6	3.3		43.1	123
Kajiado	12.1	1.1	4.3	5.4	2.2	10.9	7.6	6.5	1.1	60.9	92
Kericho	8.8		8.8	4.4	8.8	35.2	14.3	1.1	1.1	26.4	91
Koibatek	10.6	2.3	2.3	1.5	5.3	30.3	15.2	5.3	0.8	37.1	132
Laikipia	9.3	1.3	12.7	5.1	7.6	29.1	19.0	3.8		21.5	79
Marakwet	9.5		1.2	1.2	1.2	2.4		1.2		92.7	82
Nakuru	16.8	1.5	2.3	2.3	7.6	31.3	15.3	8.4	2.3	29.0	131
Nandi	9.1	1.8	5.3	2.7	1.8	17.7	15.0	0.9		54.9	113
Narok	15.7		0.8	1.7	2.5	11.7	14.2	7.5	0.8	60.8	120
Samburu	4.4	3.3	0.8	5.8	2.5	3.3	1.7			82.6	121
Trans Mara	13.3		7.2	4.5	2.7	24.3	11.7	7.2	1.8	40.5	111
Trans Nzoia	16.3	6.3	5.4	2.7	4.5	32.1	20.5	14.3	1.8	12.5	112
Turkana	6.0		1.0	1.0	1.0	3.0	1.0			93.1	101
Uasin Gishu	9.1		5.1	3.8	2.5	19.0	6.3		1.3	62.0	79
West Pokot	11.0	1.4	2.1	2.1	5.0	15.6	19.1	4.3		50.4	141
Buret	9.7	1.2	3.6	4.8	4.8	24.1	6.0	4.8		50.6	83
Western	**9.5**	**5.5**	**9.2**	**6.6**	**6.6**	**27.2**	**16.7**	**8.0**	**0.9**	**19.2**	**1,099**
Bungoma	9.7	4.9	8.0	3.7	6.8	26.5	18.5	8.0	0.6	22.8	162
Busia	8.6	4.9	13.9	9.0	4.9	31.1	13.9	8.2		13.9	122
Mt. Elgon	9.6	6.2	9.0	4.1	6.9	29.0	17.2	7.6	0.7	19.3	145
Kakamega	8.3	11.2	10.5	7.0	6.3	23.1	16.8	5.6	0.7	18.9	143
Lugari	11.7	4.2	4.2	4.9	6.3	32.2	21.0	13.3	0.7	13.3	143
Teso	12.4	3.5	7.0	7.9	5.3	20.2	24.6	8.8	1.8	21.1	114
Vihiga	6.9	3.7	13.4	7.5	6.7	27.6	10.4	6.7	0.7	23.1	134
Butere/Mumias	9.5	4.4	8.1	10.3	9.6	27.2	11.8	5.9	2.2	20.6	136

Table 9.18: **Average Sale Price (ksh) of Selected Livestock**

Region	Exotic Dairy	Exotic Beef	Zebu Dairy	Zebu Beef	Wool Sheep	Hair Sheep	Milk Goats	Meat Goats	Pigs	Camels	Donkeys
Kenya	17,952	11,828	9,781	10,341	2,047	1,178	1,540	1,309	2,878	9,501	4,251
Rural	17,732	11,558	9,676	10,340	2,076	1,155	1,562	1,300	2,806	8,949	4,268
Urban	19,540	13,658	11,028	10,350	1,467	1,393	1,302	1,425	3,333	16,225	3,773
Nairobi	38,400	-	7,000	-	-	-	-	2,500	3,000	-	-
Central	19,717	10,665	14,451	9,667	2,233	2,036	4,860	1,915	6,167	-	3,750
Coast	17,333	10,143	10,317	8,719	900	896	1,780	1,297	-	18,000	11,375
Eastern	17,199	14,607	9,309	10,280	2,300	1,114	1,582	1,338	3,504	7,269	4,847
North Eastern	7,689	-	6,016	-	300	500	944	725	-	12,042	6,538
Nyanza	16,944	8,500	9,161	10,800	1,294	1,116	1,221	1,317	700	-	3,096
Rift Valley	16,543	11,703	10,060	9,006	2,115	1,141	2,071	1,049	3,500	9,556	2,820
Western	18,621	17,333	10,569	12,191	1,350	1,347	1,357	1,435	1,892	-	2,953

Table 9.19: **Mean Household Expenditure on Irrigation**

Region	Ksh/acre	Region	Ksh/acre
Kenya	**4,312**	**Nyanza**	**7,510**
		Gucha	-
Rural	4,331	Homa Bay	5,000
Urban	3,901	Kisii	-
		Kisumu	800
Nairobi	**3,571**	Kuria	-
		Migori	9,749
Central	**5,006**	Nyamira	-
Kiambu	3,333	Rachuonyo	-
Kirinyaga	4,783	Siaya	3,000
Murang'a	63	Suba	-
Nyandarua	2,000	Bondo	1,250
Nyeri	353	Nyando	-
Thika	1,242		
Maragua	14,046	**Rift Valley**	**2,583**
		Baringo	20,873
Coast	**8,464**	Bomet	-
Kilifi	-	Keiyo	-
Kwale	16,000	Kajiado	1,806
Lamu	855	Kericho	1,083
Mombasa	-	Koibatek	33
Taita Taveta	8,742	Laikipia	1,667
Tana River	-	Marakwet	-
Malindi	-	Nakuru	333
		Nandi	2,000
Eastern	**4,249**	Narok	-
Embu	456	Samburu	-
Isiolo	862	Trans Mara	-
Kitui	1,519	Trans Nzoia	-
Makueni	1,859	Turkana	-
Machakos	11,565	Uasin Gishu	-
Mbeere	900	West Pokot	-
Meru Central	1,659	Buret	-
Moyale	-		
Mwingi	-	**Western**	**300**
Meru North	467	Bungoma	500
Tharaka	496	Busia	-
Meru South	2,399	Mt. Elgon	335
		Kakamega	-
North Eastern	**2,291**	Lugari	-
Garissa	519	Teso	-
Mandera	3,090	Vihiga	-
Wajir	-	Butere/Mumias	159

* This Expenditure refers to the cost incurred by a household for the duration of irrigation during the last 12 months period.

- = No expenditure on irrigation.

Chapter 10 | Household Social Amenities

10.0 Introduction

This chapter presents basic statistics on the accessibility and use of household amenities, particularly housing, sanitation, water and energy. Access to these amenities directly impacts on the welfare of household members. Access to safe water and improved sanitation reduces the occurrence of water-borne and infectious diseases and promotes the health status of household members and the surrounding community. Conversely, poor housing conditions expose people to vagaries of weather predisposing them to illness.

10.1 Housing

The survey collected information on a wide range of issues pertaining to the housing conditions of the Kenyan population. This includes data on the tenure status of the household's main residence; age of the dwelling and its current property value, actual rent paid and estimated rent if the dwelling were to be rented out. The survey also gathered information on essential housing characteristics such as the number of rooms, total floor area, main materials of wall and roof, type of lighting and cooking facilities.

Housing tenure

Table 10.1 presents the distribution of households by tenure status of main residence and region. On average 66.1 per cent of Kenyan households live in their own houses, while 23.8 per cent reside in rented dwellings. A majority of the rural households (82.5%) live in owner occupied houses. As expected most urban dwellers (75.4%) reside in rented houses and only 6.7 per cent of rural households are renters.

Household tenure status displays strong regional variations. Owning a house is much more common in rural (82.5%) than in urban areas (16.6%). At the provincial level, owner occupancy is most common in Western and Eastern Provinces with the percentage of households that live in their own dwelling standing at 90.2 per cent and 86.1 per cent respectively. North Eastern Province depicts a high proportion of owner-occupied nomadic residences (48.1%), but provincial aggregates mask considerable heterogeneity between districts. Within North Eastern Province, the percentage of households living in nomadic dwellings varies between 10.6 per cent in Mandera and 87.4 per cent in Wajir District. Due to the high degree of urbanisation, Nairobi Province shows a distinct tenancy pattern, with 87.9 per cent of households living in rented dwellings. Similarly, the proportion of households that live in rented dwellings stands at 61.0 per cent in Mombasa District.

Comparing the above figures to corresponding statistics from the WMS II indicates that the incidence of rent paying by households has increased from 17.2 per cent in 1994 to 23.8 per cent in 2005/06. Those paying rent in rural areas increased from 4 per cent in 1994 to 6.7 per cent in 2005/6, while those paying rent in urban areas rose from 68.1 per cent to 75.4 per cent in the same period. This trend mirrors not only the rising share of rent paying households both within urban and rural regions, but also the growing urbanisation.

Housing acquisition

Owner-occupancy, the most widespread tenancy form in Kenya, is further disaggregated by whether purchased, constructed or inherited. Table 10.2 displays the distribution of households owning their dwellings (including those living in owner-occupied nomadic residences) by mode of acquisition and region. The majority of owner-occupied dwelling units are constructed by the households (87.3%) and most commonly using household financial resources. Only 5.1 per cent of owner-occupied dwellings are purchased, while 3.4 per cent have been received as a gift and 2.4 per cent are inherited. Despite house purchases being more common in the urban areas (18.8% of owner-occupied dwellings), only Nairobi seems to have a well developed housing market, with 57.4 per cent of owner-occupied residences in the Kenyan capital being purchased.

Type of housing

Table 10.3 presents the distribution of households by type of housing unit and region. House/bungalow is the most widespread dwelling type in Kenya (55.8% of all households), followed by traditional huts or

manyatta (17.8%), Swahili (10.8%), shanty (5.1%) and flat (4.6%). Looking at urban areas this pattern changes, as only 28.3 per cent of urban households live in a house or bungalow, while the proportions of households living in Swahili houses (26.9%), flats (17.6%) and shanties (12.6%) are considerably above the national average. This is even more pronounced in Nairobi, where flats constitute the dominant type of housing unit (35.2%), followed by shanties (26.5%) and Swahili type dwelling units (19.6%).

The distribution of households by number of rooms in main dwelling and region is given in Table 10.4. About 35 per cent of Kenyan households live in one-room housing units, followed by two-room (27.6%) and three-room dwellings (22.4%).

Type of construction material

The distribution of households by main material used for wall construction and region is presented in Table 10.5. The largest proportion (45.4%) of Kenyan houses is constructed using mud and wood. Nationally 37.9 per cent of urban houses are made of stone walls while 54.0% of houses in rural areas counterparts are mainly made of mud wall.

Most of the floors (59.2%) are made of earth as indicated in Table 10.6. This phenomenon is mainly observed in the rural areas where 73.0 per cent of dwelling units' floors is made of earth. Of all the urban dwellings, 77.2 per cent have cement floors. Roof construction for households is mainly done using corrugated iron sheets (73.6%) as shown in Table 10.7. This is favourable compared to 63 per cent recorded in the 1999 Population and Housing Census. A significant proportion of households (14.8%) still use grass for roofing. Most districts in Central Province and a few other districts (Meru Central, Meru South, Embed, Meru North,Nakuru and Vihiga) have over 90 per cent of their houses with roofs made of corrugated iron sheets.

10.2 Source of drinking water

Information on the distribution of households by main drinking water source is given in Table 10.8. In this survey, water is considered safe if it *is obtained from the following supply sources: piped water, borehole, and protected spring and protected well.*

Overall, 57.0 per cent of households use drinking water from sources considered safe. Over 83 per cent of urban households use safe sources of drinking water compared to 48.0 per cent of rural households. Nairobi has the highest proportion of households using safe water sources followed by Western province. On the other hand, Eastern and North Eastern Provinces had the lowest proportions of households using safe drinking water sources. Mwingi District has the highest proportion (73.4%) of households relying on water from rivers/pond/streams a source considered as unsafe, followed by Marakwet, West Pokot, and Murang'a Districts.

10.3 Sanitation

Access to human waste disposal

Table 10.9 depicts the percentage distribution of households by type of main toilet facility and region. In the KIHBS, *flush toilet and pit latrines are considered as adequate means of human waste disposal.* Nationally, 84.0 per cent of the Kenyan households use adequate human waste disposal facilities compared to the 80.4 per cent households reported in WMS II of 1994. The proportion of households with no toilets stands at 14.8 per cent compared to 16.4 per cent recorded in the 1999 Population and Housing Census. Almost all (99.7%) households in Central Province use adequate sanitation facilities followed by Western Province (96.2% households). Flush toilets are most prevalent among households in Nairobi (61.5%), while about one-third of households in the Province use pit latrines. Nyandarua District has the highest proportion (94.9%) of households using pit latrines.

The results show that majority of households in ASAL areas and some parts of the Coast province lack toilets. More than a half of households in the following 14 districts have no toilet facilities: Samburu, Turkana, Trans Mara, Garissa, West Pokot, Tana River, Marsabit, Malindi, Kwale, Narok, Suba, Homa Bay, Isiolo and Moyale.

Sharing of toilet

When a toilet is used by many households, its sanitation adequacy is diminished. The KIHBS collected information on the number of households using a common toilet, which is presented in Table 10.10. The results indicate that 47.6 per cent of the households have toilets exclusively for household members use. More than a half of rural households do not share their toilet with other households compared to 25.3 per cent of the urban households. Sharing of toilets is most common in urban areas.

Mombasa, Kajiado, Kilifi, Nairobi, Kericho, Wajir and Nakuru Districts had the highest proportion of four and more households sharing one toilet.

Depth of pit latrine

The depth of a pit latrine determines how hygienic the facility is. In the KIHBS, the depth of a latrine refers to *the level of human waste from the top surface. A latrine is considered deep if it measures 10 feet and above from the top surface and shallow if it is less than 10 feet from the ground level.* Nationally, 57.4 per cent of households use latrines that are deep. This scenario holds both in urban and rural areas. Similarly, more than a half of the households in all provinces except Nairobi and Eastern provinces have pit latrines that are deep. Nairobi province has 89 per cent of households using shallow latrines. This information is presented in Table 10.11

10.4 Source of energy

Main sources of cooking fuel

Percentage distribution of households by main source of cooking fuel is presented in Table 10.12. Firewood remains the predominant fuel for cooking. Nationally, 68.3 per cent of all households use firewood as their source of cooking fuel. Over 80 per cent of households in the rural areas rely on firewood for cooking compared to 10.0 per cent of households in urban areas. Charcoal is the second popular type of cooking fuel used by 13.3 per cent of households. Although paraffin is ranked the third predominant cooking fuel nationally, it is the most common type of fuel for cooking among 44.6 per cent of urban dwellers. Nairobi has the highest proportion (63.5%) of households using paraffin as cooking fuel, followed by Mombasa District (53.6%).

Sources of lighting fuel

Paraffin-based lamps are the leading source of lighting for Kenyan households.Slightly over three quarters of households use paraffin lamps, a slight drop from 77.7 per cent recorded in the Population and Housing Census of 1999. Electricity is the second most common source of lighting, recording a usage rate of 15.6 per cent. This is a major increase from the proportion of 3.5 per cent recorded in the Census.

Electricity use for lighting is more prevalent (51%) in the urban areas while paraffin is the dominant source of lighting in rural areas for 86.4 per cent of households. A comparison of KIHBS and Census data shows that use of solar power is on an increasing trend. Currently, about 1.6 per cent of Kenyan households use solar energy for home lighting. This is an important source of energy whose use should be promoted because it is sustainable and environment-friendly.

As shown in Table 10.13, a significant proportion of households use firewood as their main source of lighting. At 4.5 per cent, this figure is an issue of concern because it is a clear indication of a very poor quality of life. Excessive firewood use affects the environment negatively through felling of trees and also causes health problems for users. Besides this, firewood gives very poor quality lighting, making it difficult for school children in those households to study or do their homework at night. In North Eastern Province 19.1 per cent of households use firewood for lighting. This is followed by Rift Valley Province where 10.6 per cent of households use firewood. In Nairobi, no cases of firewood as a source of lighting were recorded while a minimal number (0.4 %) of households in Central Province use firewood to light their homes.

10.5 Garbage disposal

Table 10.14 gives the distribution of households by the type of garbage disposal used. This information is important as improper garbage disposal, especially in urban centres, has serious implications on the general cleanliness of surrounding areas and contributes to degradation of the environment at large. This information is useful in assessing current garbage disposal systems and will help local/ municipal authorities in planning for public garbage disposal.

In the rural areas, more than a half of the households dispose garbage by dumping it on farms or gardens within their homesteads. Though this is a convenient and cost-free method of waste disposal, it contributes immensely to environmental degradation especially if most of the waste is composed of non-biodegradable materials. In rural areas 21.2 and 17.3 per cent of households, use garbage pits or burn their garbage respectively. These two methods are more effective and environmentally sustainable.

In the urban areas, the most common form of garbage disposal is through garbage pits, followed by public garbage heap at 25.8 and 22.3 per cent of households

respectively. An interesting observation is noted in Nairobi where for 36.1 per cent of households, garbage is collected by private firms. Although this practice of garbage collection started only a few years ago in major urban centres, it appears to be growing rapidly. The proportion of households using this service is greater than the combined proportion of households whose garbage is collected by the local authority and those whose garbage is dumped in a public garbage pit.

Table 10.1: **Percentage distribution of Households by Housing Tenure and Region**

Region	Owner Occupied	Owner Occupied (Nomads)	Employer Provided Subsidized	Employer Provided Free	Rented	Free	Total Count
Kenya	**66.1**	**3.5**	**0.6**	**3.2**	**23.8**	**2.8**	**6,876,786**
Rural	82.5	4.5	0.3	3.0	6.7	2.9	5,162,933
Urban	16.6	0.5	1.6	3.7	75.4	2.2	1,713,853
Nairobi	**7.6**	**0.0**	**1.9**	**1.4**	**87.9**	**1.2**	**691,458**
Central	**75.1**	**0.8**	**0.3**	**2.3**	**18.8**	**2.6**	**983,391**
Kiambu	65.6	4.4	0.4	2.1	22.4	5.1	187,093
Kirinyaga	84.8				13.9	1.3	128,349
Murang'a	91.7			0.2	5.2	2.9	93,190
Nyandarua	81.8			2.3	14.3	1.6	114,535
Nyeri	80.5		1.3	1.7	15.9	0.5	185,123
Thika	49.2		0.0	6.9	40.2	3.6	174,294
Maragua	92.5			0.9	4.5	2.1	100,806
Coast	**56.9**	**3.5**	**0.1**	**5.1**	**28.7**	**5.7**	**582,992**
Kilifi	76.3		0.3	0.3	14.0	9.1	105,557
Kwale	86.4				10.5	3.2	107,145
Lamu	72.8			2.1	18.6	6.6	15,980
Mombasa	22.2			13.5	61.0	3.3	192,228
Taita Taveta	71.5			2.2	14.7	11.6	65,369
Tana River	40.8	49.6			3.8	5.8	41,043
Malindi	73.6	0.4		2.6	18.1	5.3	55,672
Eastern	**86.1**	**2.6**	**0.2**	**0.7**	**8.3**	**2.1**	**1,051,035**
Embu	83.1				16.3	0.6	75,849
Isiolo	43.4	27.1		3.4	18.5	7.7	18,076
Kitui	94.3			1.1	3.5	1.1	112,066
Makueni	94.9				5.1		158,604
Machakos	86.4	0.5	0.1	1.4	10.7	1.0	215,817
Marsabit	35.6	56.7			6.5	1.2	27,132
Mbeere	88.1		0.6	0.8	5.6	5.0	40,541
Meru Central	78.8	3.0	1.3	0.9	11.9	4.1	126,064
Moyale	79.8	0.5		0.4	8.1	11.2	10,288
Mwingi	93.2				6.4	0.4	63,579
Meru South	90.5	1.6	0.1	0.0	5.9	1.8	126,359
Tharaka	91.8	0.5		1.0	2.7	4.1	21,887
Meru South	82.5			1.2	7.9	8.4	54,773
North Eastern	**42.2**	**48.1**	**0.1**	**0.5**	**8.0**	**1.1**	**180,262**
Garissa	44.4	37.5	0.3		15.5	2.3	69,500
Mandera	82.6	10.6		1.8	4.4	0.6	47,055
Wajir	9.9	87.4		0.1	2.4	0.2	63,707
Nyanza	**78.3**	**0.6**	**0.8**	**2.2**	**16.4**	**1.7**	**1,006,752**
Gucha	92.2	3.1	0.0	0.7	2.0	1.9	97,693
Homa Bay	86.8	0.6	0.9	1.1	10.3	0.2	67,042
Kisii	83.4		0.6	2.2	12.6	1.2	101,128
Kisumu	52.5		5.7	2.9	37.8	1.2	121,392
Kuria	89.4	1.3		0.7	8.6		35,513
Migori	68.4	0.6		3.1	25.4	2.5	111,694
Nyamira	81.6			0.7	12.4	5.2	110,154
Rachuonyo	86.8	0.8		0.9	11.2	0.2	72,370
Siaya	82.8		0.1	3.3	12.3	1.6	125,268
Suba	74.3	0.7		0.9	21.4	2.7	33,948
Bondo	90.5			0.8	8.7		58,805
Nyando	67.5	0.6		7.6	22.5	1.8	71,747
Rift Valley	**59.8**	**5.6**	**0.8**	**7.4**	**22.2**	**4.1**	**1,632,135**
Baringo	89.2	1.1	0.1		8.1	1.5	59,648
Bomet	94.0	1.4	0.9	1.4	2.2	0.1	75,291

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Table 10.1: **Contd...**

Region	Owner Occupied	Owner Occupied (Nomads)	Employer Provided Subsidized	Employer Provided Free	Rented	Free	Total Count
Keiyo	72.7	1.8	2.2	7.4	8.6	7.3	35,344
Kajiado	25.0	22.8		2.4	47.7	2.1	101,691
Kericho	39.1		7.2	43.3	9.2	1.1	112,759
Koibatek	81.5			3.0	14.6	0.9	33,350
Laikipia	61.7		1.4	15.6	17.4	3.9	96,075
Marakwet	81.1	0.5	0.2	4.3	9.2	4.6	33,082
Nakuru	37.1	0.3	0.0	2.6	51.4	8.5	299,300
Nandi	84.8		0.1	5.9	5.2	4.0	136,756
Narok	85.8		1.0	2.6	8.4	2.2	77,209
Samburu	18.0	79.3			2.7		32,793
Trans Mara	85.5	4.4		1.2	5.1	3.7	32,699
Trans Nzoia	70.2		0.7	1.5	20.8	6.9	133,008
Turkana	44.3	38.3	0.4		10.4	6.6	82,869
Uasin Gishu	56.6		0.1	2.1	38.2	3.0	147,059
West Pokot	85.4	7.4		1.8	5.4		68,601
Buret	60.5		0.1	31.9	4.6	2.9	74,602
Western	**90.2**	**0.2**	**0.3**	**0.6**	**6.8**	**1.9**	**748,760**
Bungoma	91.5		0.1	0.4	7.4	0.6	187,085
Busia	91.9	1.2			5.0	1.9	84,538
Mt. Elgon	92.3	0.5		1.1	3.1	3.0	30,908
Kakamega	87.5		1.3	0.1	8.2	2.9	124,379
Lugari	92.8			1.0	1.9	4.3	45,523
Teso	90.3	0.3			9.0	0.4	42,117
Vihiga	87.0		0.4	0.7	9.6	2.3	120,841
Butere/Mumias	91.7			1.6	4.7	1.9	113,369

Table 10.2: **Percentage distribution of Owner-Occupier Households by Mode of Acquisition of Main House**

Region	Purchased			Constructed			Inherited	Gift	Bartered	Total
	Cash	Loan	Cash/Loan	Cash	Loan	Cash/Loan				
Kenya	**3.9**	**0.8**	**0.4**	**82.8**	**2.8**	**1.7**	**2.4**	**3.4**	**0.9**	**4,775,437**
Rural	3.6	0.3	0.3	84.3	2.5	1.5	2.1	3.4	1.0	4,483,882
Urban	8.9	8.7	1.2	60.1	6.4	4.1	6.0	4.3	0.1	291,555
Nairobi	**19.7**	**36.2**	**1.5**	**28.3**	**5.4**	**0.4**	**4.8**	**3.8**		**52,954**
Central	**3.8**	**0.5**	**0.8**	**84.2**	**3.5**	**3.8**	**1.1**	**2.4**		**747,086**
Kiambu	2.1		1.3	88.6	3.3	3.0	0.1	1.6		131,009
Kirinyaga	1.0		0.7	92.2	0.3	2.1	0.8	2.9		108,873
Murang'a	17.8		0.7	64.3	5.5	7.4	1.8	2.5		85,422
Nyandarua	2.5			88.5	2.9	1.8	2.1	2.2		93,676
Nyeri	0.7		0.5	91.3	3.2	1.6	0.8	1.9		149,102
Thika	2.7	3.7	1.2	74.8	7.6	4.7	2.1	3.1		85,789
Maragua	3.8	0.3	1.0	79.6	3.3	8.2	0.5	3.5		93,215
Coast	**1.1**	**0.8**	**1.0**	**76.9**	**2.0**	**4.1**	**3.0**	**2.2**	**8.9**	**351,084**
Kilifi	0.2	0.7	1.9	69.4		0.4	2.3	2.2	22.9	80,571
Kwale	1.6		0.9	85.3	2.7	7.5	1.4	0.6		92,534
Lamu	1.6			87.2			10.5	0.7		11,627
Mombasa	2.3	4.6	2.1	61.6	3.6	14.6	8.6	2.6		42,662
Taita Taveta			0.2	88.6	5.2	0.6	1.9	3.4		46,735
Tana River	2.0			91.6	0.8		1.9	3.7		35,753
Malindi	1.2	0.8		59.7	0.8	1.2	1.9	3.2	31.2	41,202
Eastern	**2.4**	**0.2**		**85.8**	**4.6**	**1.1**	**3.2**	**2.7**		**930,447**
Embu	1.0			90.0	3.1	1.5	3.0	1.3		63,032
Isiolo	1.8			83.4	6.8		0.9	7.1		12,734
Kitui	1.9			79.0	3.2		13.6	2.3		105,731
Makueni	2.0			88.4	4.6	0.4	0.1	4.5		150,526
Machakos	2.7	0.6		82.9	6.7	3.1	0.1	3.9		187,450
Marsabit	8.3			86.6	2.4		0.2	2.6		25,040
Mbeere	0.8			89.3	2.5	1.1	2.5	3.9		35,698
Meru Central	4.8	0.8		82.6	9.1	0.9	1.6	0.2		103,165
Moyale		0.8		93.6			3.8	1.8		8,261
Mwingi	3.9			79.9	1.2		12.5	2.5		59,235
Meru North	1.4			91.8	2.7		1.6	2.5		114,195
Tharaka				96.6		0.8	1.2	1.3		20,194
Meru South				90.8	4.6	3.9	0.7			45,186
North Eastern	**17.6**	**0.3**		**76.2**	**0.2**		**0.5**	**4.0**	**1.3**	**162,774**
Garissa	29.7	0.8		67.5			0.7	1.3		56,926
Mandera	14.3			82.3	0.7		0.6	1.7	0.4	43,852
Wajir	8.9			79.9			0.1	8.0	3.1	61,996
Nyanza	**2.5**	**0.3**	**0.2**	**86.0**	**2.3**	**0.7**	**2.0**	**5.9**	**0.0**	**792,314**
Gucha	1.8	1.0	1.0	89.0	1.4		1.3	4.4		91,854
Homa Bay	0.8	0.9		87.8			-	10.5		58,634
Kisii	3.8			88.6	7.2			0.3		84,361
Kisumu	1.7			91.4	2.7		1.6	2.6		63,707
Kuria	3.7	1.0		85.7	1.3		2.5	5.8		32,212
Migori	0.8			88.3	3.4	1.1		6.4		77,020
Nyamira	3.4	0.9		89.2	3.8	0.1		2.6	0.1	89,840
Rachuonyo	1.7			87.4	2.6	0.8	1.7	5.9		63,415
Siaya	2.1	0.1		75.1	0.1	3.0	7.7	11.9		103,718
Suba	2.5			86.4	1.5			9.6		25,487
Bondo	1.6		1.1	83.1	1.0	1.5	0.9	10.9		53,171
Nyando	8.0			82.5	0.6		6.9	2.1		48,897
Rift Valley	**5.2**	**0.6**	**0.4**	**80.7**	**1.9**	**1.4**	**2.6**	**2.4**	**0.9**	**1,062,515**
Baringo	8.7		1.2	77.6	8.4	2.7			1.3	53,818
Bomet	3.1			96.3	0.0		0.6			71,838
Keiyo	6.2			92.3	0.8		0.7			26,324
Kajiado	1.5	2.5		72.5	2.2		0.3	1.9	19.1	48,612

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Table 10.2: **Contd...**

Region	Purchased			Constructed			Inherited	Gift	Bartered	Total
	Cash	Loan	Cash/Loan	Cash	Loan	Cash/Loan				
Kericho	1.0			99.0						44,135
Koibatek	5.4		1.9	82.9	4.7	0.9	3.0	1.2		27,177
Laikipia	3.7	1.4	2.2	76.4		8.8	2.0	5.5		59,240
Marakwet	4.2			93.0	1.8		0.9	0.1		25,379
Nakuru	25.8	0.6	1.2	50.5	4.2	1.9	11.3	4.5		112,023
Nandi	2.0	0.6		91.4	0.8	0.9	1.1	3.2		115,914
Narok	2.6	1.3		92.4	1.4			2.3		66,253
Samburu	2.0			91.8	1.2	0.7		2.2		31,694
Trans Mara	8.0	1.7		87.9	0.8		1.0	0.6		29,248
Trans Nzoia	1.1			91.3	0.2	3.8	0.3	3.3		90,411
Turkana				24.2		1.8	10.8	2.3		68,428
Uasin Gishu	4.3	1.7	0.2	82.0	5.2		2.1	4.3		83,230
West Pokot				99.1	0.9					63,681
Buret	0.3			95.5	0.2		1.2	2.8		45,110
Western	**2.7**	**0.5**	**0.2**	**85.7**	**2.3**	**1.1**	**2.8**	**4.6**		**676,263**
Bungoma	1.3			89.8	4.0	0.7	2.1	2.0		171,198
Busia	8.7			80.0	0.5	0.9	4.5	5.4		78,653
Mt. Elgon	1.9	1.4		91.0	0.5	0.7	1.2	3.2		28,684
Kakamega	5.6	1.2	0.2	79.1	2.5	2.6	2.0	6.9		108,853
Lugari	4.1	1.2	3.2	82.2	2.0	3.6	0.1	3.6		41,815
Teso				96.9	0.3	0.7	0.9	1.2		38,171
Vihiga		1.0		84.0	2.7		4.6	7.6		104,957
Butere/Mumias	1.1		0.1	87.7	1.4	0.8	3.7	5.3		103,932

'Not Stated' accounts for 0.9 percent of total.

Table 10.3: **Percentage distribution of Households by Type of Housing Unit and Region**

Region Count	House/ Bungalow	Flat	Maisonnette	Swahili	Shanty	Manyatta Traditional House	Other	Total
Kenya	**55.8**	**4.6**	**1.0**	**10.8**	**5.1**	**17.8**	**4.8**	**6,859,251**
Rural	64.9	0.3	0.2	5.4	2.6	23.1	3.4	5,148,584
Urban	28.3	17.6	3.4	26.9	12.6	2.0	9.2	1,710,667
Nairobi	**6.8**	**35.2**	**7.5**	**19.6**	**26.5**	**0.4**	**4.0**	**688,915**
Central	88.1	3.4	0.2	4.8	1.7	1.8	0.1	980,014
Kiambu	93.2	2.9	0.9	0.1	0.5	2.1	0.3	184,682
Kirinyaga	94.2	0.1		2.0	1.1	2.7		128,349
Murang'a	92.2	2.1		0.9		4.7		93,190
Nyandarua	84.9	1.4		12.3	0.8	0.6		114,535
Nyeri	86.2	3.7		9.2		0.8		185,123
Thika	76.1	9.0	0.3	5.3	7.3	2.0		173,571
Maragua	94.6	1.9		2.8	0.7			100,564
Coast	**21.1**	**1.8**	**0.8**	**53.7**	**2.0**	**20.6**	**0.1**	**581,629**
Kilifi	2.8	0.5		78.3	1.2	17.2		105,557
Kwale	7.1	0.4	0.6	38.6	5.5	47.8		107,145
Lamu	38.5	5.2		36.6	4.6	14.6	0.6	15,980
Mombasa	17.6	2.3	2.0	77.9	0.1			192,228
Taita Taveta	77.2	0.6		1.9	2.6	16.8	0.9	65,369
Tana River	42.4			0.7	1.0	55.9		39,679
Malindi	8.3	6.4		55.6	2.8	26.9		55,672
Eastern	**76.0**	**0.8**	**0.4**	**5.3**	**1.6**	**13.3**	**2.5**	**1,047,830**
Embu	84.7	0.5			0.9	1.0	12.8	75,849
Isiolo	62.2				5.7	32.1		18,076
Kitui	67.7	0.1		1.0	0.5	25.2	5.4	112,066
Makueni	64.4		0.9	15.5	3.3	15.9		158,604
Machakos	74.0	1.0	0.8	12.9	1.7	9.1	0.4	215,817
Marsabit	22.9		0.9		1.7	73.7	0.8	27,132
Mbeere	75.0				1.2	18.1	5.7	40,541
Meru Central	95.3	2.8			0.7	0.6	0.6	126,064
Moyale	50.1			5.9	2.7	38.6	2.7	10,288
Mwingi	55.0	0.7		2.6	6.1	26.0	9.6	63,579
Meru North	90.0	1.6	0.7		0.1	7.7		123,154
Tharaka	95.8					4.2		21,887
Meru South	99.0					1.0		54,773
North Eastern	**16.7**			**6.7**	**8.8**	**65.2**	**2.7**	**180,262**
Garissa	43.2			4.5	6.7	39.9	5.7	69,500
Mandera				6.6	19.7	73.8		47,055
Wajir	0.1			9.1	3.0	86.5	1.3	63,707
Nyanza	**74.8**	**0.7**	**0.3**	**6.1**	**2.2**	**15.8**	**0.2**	**1,005,956**
Gucha	78.7	1.0		7.2	1.5	11.6		97,108
Homa Bay	66.6	0.8		10.8	1.1	20.7		67,042
Kisii	76.3	0.1	1.4	5.8	3.9	12.5	0.0	101,128
Kisumu	84.0	2.3	0.5	2.1	1.8	9.3		121,392
Kuria	45.4	2.6	0.7	16.0	1.9	33.0	0.4	35,513
Migori	54.6			20.0	1.5	23.9		111,694
Nyamira	80.2	0.4		7.5	1.2	10.7		110,059
Rachuonyo	86.6			1.4		11.9		72,370
Siaya	78.3	0.1				21.7		125,202
Suba	66.1			3.9	13.7	11.8	4.5	33,948
Bondo	75.0			0.1	0.8	24.1		58,754
Nyando	83.0	1.6	0.5		6.5	8.3		71,747
Rift Valley	**44.0**	**1.0**	**0.3**	**6.5**	**4.1**	**29.5**	**14.6**	**1,626,484**
Baringo	48.9	0.8			11.2	39.1		59,648
Bomet	15.4		2.3	1.5	8.4	57.8	14.7	75,291
Keiyo	57.2	0.1		1.1	12.3	28.5	0.8	35,344

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Table 10.3: **Contd...**

Region Count	House/ Bungalow	Flat	Maisonnette	Swahili	Shanty	Manyatta Traditional House	Other	Total
Kajiado	25.0	6.2		30.9	12.6	25.1	0.2	101,691
Kericho	3.8			10.8	6.5	22.3	56.5	112,759
Koibatek	61.5	0.6		2.3	9.4	23.2	3.0	33,350
Laikipia	82.1	1.6		6.1	1.7	8.4		96,075
Marakwet	41.5			1.3	2.9	51.3	3.0	31,454
Nakuru	35.6	0.6		6.1	3.7	15.8	38.3	299,300
Nandi	82.6	3.2		1.7	2.2	10.3	0.1	136,756
Narok	69.1			0.5	2.2	28.2		77,209
Samburu	1.4		6.1		2.4	77.6	12.6	32,564
Trans Mara	22.8				3.7	72.2	1.3	32,535
Trans Nzoia	42.6	0.8	1.0	10.1	1.6	38.9	5.0	129,376
Turkana				4.4	1.0	93.7	0.9	82,869
Uasin Gishu	59.5	0.1	0.1	10.5		7.0	22.8	147,059
West Pokot	31.7				4.0	63.7	0.6	68,601
Buret	89.6	0.7	0.6		0.8	8.2	0.1	74,602
Western	**66.9**	**0.1**		**1.4**	**2.2**	**25.2**	**4.2**	**748,162**
Bungoma	63.8			2.6	1.5	17.9	14.2	187,085
Busia	51.5	0.2		2.0	0.7	45.6		84,538
Mt. Elgon	30.6	0.2		5.3	0.7	60.3	2.9	30,908
Kakamega	68.4			0.4	4.8	25.8	0.5	124,379
Lugari	88.6				1.7	9.8		45,113
Teso	27.0			3.5	0.4	66.8	2.3	42,117
Vihiga	94.2	0.2			0.3	3.5	1.8	120,653
Butere/Mumias	68.5			0.3	5.4	25.8		113,369

Table 10.4: **Percentage distribution of Households by Number of Rooms in Main Dwelling**

Region	1 room	2 rooms	3 rooms	4-5 rooms	6-10 rooms	11+ rooms
Kenya	**35.1**	**27.6**	**22.4**	**12.8**	**2.0**	**0.1**
Rural	27.2	31.0	25.6	14.1	2.0	0.1
Urban	59.0	17.2	12.9	8.9	1.9	0.1
Nairobi	**64.0**	**15.1**	**13.3**	**6.1**	**1.5**	**0.1**
Central	**17.8**	**17.9**	**36.8**	**24.5**	**2.8**	**0.2**
Kiambu	14.7	11.8	40.4	29.2	3.0	0.9
Kirinyaga	17.3	32.1	33.0	15.7	1.9	
Murang'a	6.6	15.5	39.1	31.8	6.9	
Nyandarua	14.3	17.8	42.0	24.0	1.9	
Nyeri	14.5	14.8	35.8	31.1	3.7	
Thika	39.5	19.6	25.2	14.4	1.3	
Maragua	6.9	16.3	48.9	26.1	1.9	
Coast	**47.7**	**21.1**	**14.8**	**13.4**	**2.8**	**0.2**
Kilifi	43.1	35.7	11.2	8.8	1.2	
Kwale	30.5	26.5	17.1	19.5	6.1	0.3
Lamu	25.7	33.3	27.7	11.8	1.5	
Mombasa	62.8	10.0	12.4	11.9	2.4	0.5
Taita Taveta	26.9	19.0	24.4	25.1	4.6	
Tana River	67.0	11.6	16.2	4.6	0.6	
Malindi	54.1	27.2	8.9	8.9	1.0	
Eastern	**30.5**	**30.9**	**23.6**	**12.9**	**2.1**	**0.0**
Embu	18.9	33.3	31.5	16.3		
Isiolo	76.4	18.0	4.4	1.2		
Kitui	46.9	34.0	15.3	3.9		
Makueni	19.2	31.6	32.0	13.0	4.2	
Machakos	16.4	36.8	30.0	15.7	1.1	
Marsabit	73.7	16.4	7.6	2.3		
Mbeere	23.4	32.7	31.9	10.2	1.8	
Meru Central	20.7	29.5	21.2	21.5	7.0	
Moyale	37.1	50.3	8.1	4.5		
Mwingi	49.7	32.3	10.7	7.2		
Meru North	48.5	22.6	19.8	8.3	0.8	
Tharaka	46.8	38.0	10.6	2.3	2.0	0.3
Meru South	21.7	20.7	24.8	30.1	2.7	
North Eastern	**98.8**	**1.1**	**0.1**			
Garissa	97.5	2.5				
Mandera	100.0					
Wajir	99.5	0.3	0.2			
Nyanza	**18.6**	**37.5**	**31.8**	**10.5**	**1.6**	**0.0**
Gucha	5.8	39.4	48.3	6.4	0.1	
Homa Bay	19.7	48.8	23.3	8.1	0.2	
Kisii	6.4	15.1	62.0	15.3	1.2	
Kisumu	23.3	36.4	21.0	17.9	1.3	
Kuria	23.6	53.8	16.9	4.1	1.5	
Migori	22.5	36.4	24.7	12.8	3.6	
Nyamira	4.9	22.6	50.2	18.9	3.3	
Rachuonyo	9.9	54.9	25.2	7.8	2.2	
Siaya	29.5	43.8	21.2	4.5	1.1	
Suba	33.8	39.8	23.4	2.2	0.8	
Bondo	22.7	46.6	25.5	4.7	0.6	
Nyando	36.1	36.5	17.1	7.9	1.8	0.5
Rift Valley	**41.3**	**31.5**	**15.9**	**9.6**	**1.8**	**0.1**
Baringo	63.2	17.7	15.9	3.1		
Bomet	24.0	61.9	10.5	3.6		
Keiyo	43.3	22.5	20.8	11.0	2.4	
Kajiado	49.0	30.9	10.8	6.5	2.8	

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Table 10.4: **Contd...**

Region	1 room	2 rooms	3 rooms	4-5 rooms	6-10 rooms	11+ rooms
Kericho	41.3	46.6	9.2	1.8	1.1	
Koibatek	32.9	31.4	22.0	10.4	3.3	
Laikipia	38.9	28.4	26.5	3.2	3.1	
Marakwet	57.3	27.5	8.3	6.1	0.8	
Nakuru	49.6	19.5	15.8	13.9	1.2	
Nandi	18.3	40.4	20.2	20.9	0.2	
Narok	18.7	48.1	18.6	12.4	2.2	
Samburu	30.1	42.3	25.1	1.8	0.6	
Trans Mara	17.9	50.7	26.2	5.2		
Trans Nzoia	30.8	33.1	17.8	13.4	4.3	0.6
Turkana	88.6	9.3	2.1			
Uasin Gishu	33.9	24.9	22.1	14.0	5.1	
West Pokot	87.3	5.6	4.8	2.0	0.3	
Buret	14.8	59.5	13.5	11.6	0.6	
Western	**21.1**	**36.7**	**23.4**	**16.2**	**2.2**	**0.3**
Bungoma	13.4	48.4	21.1	16.0	0.4	0.7
Busia	37.3	31.7	22.8	7.1	1.2	
Mt. Elgon	52.1	32.5	11.0	3.4	0.2	0.8
Kakamega	17.7	41.9	28.1	11.4	0.8	
Lugari	11.0	44.9	25.0	14.9	4.2	
Teso	62.9	20.6	14.1	2.5		
Vihiga	5.5	17.6	26.4	41.3	8.6	0.6
Butere/Mumias	22.0	39.9	25.4	11.0	1.7	

Table 10.5: **Percentage distribution of Households by Main Wall Material of the Main Dwelling**

Region	Stone	Brick/ Block	Mud/ Wood	Mud / Cement	Wood Only	Corrugated Iron Sheet	Grass/ Straw	Tin	Other	Total Count
Kenya	**14.3**	**16.7**	**45.4**	**5.2**	**10.2**	**3.5**	**2.9**	**0.3**	**1.6**	**6,859,974**
Rural	6.5	14.5	54.0	4.7	12.1	2.3	3.7	0.2	2.0	5,149,307
Urban	37.9	23.3	19.4	6.7	4.7	7.0	0.4	0.4	0.2	1,710,667
Nairobi	**39.5**	**26.4**	**19.3**	**0.8**	**1.1**	**11.8**	**0.0**	**1.0**	**0.0**	**688,915**
Central	**23.3**	**8.7**	**28.3**	**2.4**	**28.2**	**7.8**		**0.9**	**0.4**	**980,737**
Kiambu	25.7	2.7	25.8	2.3	19.4	23.7			0.3	184,682
Kirinyaga	19.6	21.7	24.8	1.4	32.4					128,349
Murang'a	21.2	3.9	35.9	6.4	11.2	12.6		8.8		93,190
Nyandarua	9.0	1.7	46.0	0.6	39.8	2.4			0.4	114,535
Nyeri	14.7	4.6	18.9	1.4	59.0				1.5	185,123
Thika	43.6	17.6	17.3	4.6	12.0	4.9		0.0		174,294
Maragua	22.8	7.7	46.5	0.4	12.6	9.3		0.7		100,564
Coast	**29.3**	**14.7**	**41.5**	**7.1**	**0.2**	**0.4**	**6.2**	**0.0**	**0.5**	**581,629**
Kilifi	3.7	25.9	63.5	3.2		0.3	2.4		1.0	105,557
Kwale	28.8	4.9	55.4	7.0	0.3		3.6			107,145
Lamu	23.1	0.6	59.6	5.1			5.2	0.7	5.7	15,980
Mombasa	65.8	7.5	15.0	10.6		1.1				192,228
Taita Taveta	2.1	42.5	51.1	2.4			0.9		0.9	65,369
Tana River	3.9	0.6	32.7	7.6	1.1	0.4	53.6			39,679
Malindi	4.7	18.2	54.5	8.7	0.3		12.6		1.0	55,672
Eastern	**10.0**	**38.2**	**24.3**	**1.3**	**20.0**	**1.0**	**1.2**	**0.1**	**3.9**	**1,047,830**
Embu	13.0	7.9	24.8	1.1	47.6	3.9		0.9	0.8	75,849
Isiolo	1.7	1.2	36.3	1.3	34.2		19.2	1.7	4.5	18,076
Kitui	0.5	82.0	15.6	0.8	0.5		0.5			112,066
Makueni	6.5	66.0	26.8			0.2			0.5	158,604
Machakos	23.9	59.2	12.3		1.5	2.7			0.4	215,817
Marsabit	0.4	4.3	34.2	5.7	5.7	0.5	22.8	0.5	26.0	27,132
Mbeere	6.6	39.1	41.5	6.6	1.6	0.1	4.0		0.5	40,541
Meru Central	14.2	1.6	8.9	0.2	60.9				14.3	126,064
Moyale		7.3	54.1	30.6	0.4		6.9		0.8	10,288
Mwingi	2.9	64.7	29.3	2.5		0.6				63,579
Meru North	4.4	4.0	33.3	1.2	52.9				4.2	123,154
Tharaka	2.8	6.4	71.8	2.2	4.9		0.6		11.3	21,887
Meru South	6.9	5.4	44.1	0.3	33.2	0.4	0.5		9.3	54,773
North Eastern	**2.2**	**5.7**	**16.1**	**2.8**	**0.7**	**0.5**	**71.5**		**0.6**	**180,262**
Garissa	1.3	11.6	33.1	4.1	1.0		47.8		1.2	69,500
Mandera	0.4	4.5	6.2	1.5			87.0		0.4	47,055
Wajir	4.4	0.2	4.9	2.3	0.8	1.4	86.0			63,707
Nyanza	**1.9**	**15.7**	**67.6**	**12.0**	**0.2**	**2.3**	**0.1**			**1,005,956**
Gucha	0.1	10.3	88.1	0.9	0.0	0.6				97,108
Homa Bay	2.0	4.6	72.9	14.0		6.3				67,042
Kisii	0.4	19.2	74.3	5.4	0.2	0.5				101,128
Kisumu	4.7	32.0	42.9	20.3		0.1				121,392
Kuria		8.7	88.7	1.9		0.7				35,513
Migori	1.4	22.7	53.3	16.0	0.7	5.9				111,694
Nyamira	0.1	27.9	65.7	3.9	0.1	1.4	1.0			110,059
Rachuonyo	4.9	5.5	68.4	18.5	1.1	1.6				72,370
Siaya	2.7	9.5	73.1	14.3	0.5					125,202
Suba	5.4	2.9	61.0	18.3		12.3				33,948
Bondo	1.3	6.4	71.3	21.0		0.1				58,754
Nyando	0.6	10.3	72.1	11.3		5.6				71,747
Rift Valley	**10.8**	**9.1**	**54.5**	**5.8**	**12.5**	**2.8**	**1.1**	**0.0**	**3.5**	**1,626,484**
Baringo	4.0	1.5	69.0	3.0	16.7	3.2	2.4	0.1	0.1	59,648
Bomet	4.1	3.0	85.8		6.5	0.1	0.5			75,291
Keiyo	2.1	6.0	43.6	0.7	42.6		3.5	0.5	0.8	35,344

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Table 10.5: **Contd...**

Region	Stone	Brick/ Block	Mud/ Wood	Mud / Cement	Wood Only	Corrugated Iron Sheet	Grass/ Straw	Tin	Other	Total Count
Kajiado	4.3	18.9	8.4	4.9	18.2	22.1	3.9		19.4	101,691
Kericho	17.6	32.0	34.5	3.6	4.6	6.3	0.6		0.8	112,759
Koibatek	3.2	2.5	54.0	2.3	35.5	1.4	0.5		0.6	33,350
Laikipia	22.6	1.8	27.4		45.9	0.5			1.7	96,075
Marakwet	3.0	7.3	70.7	8.8	8.8		1.4			31,454
Nakuru	29.5	2.4	46.2	10.6	8.6	2.1		0.2	0.4	299,300
Nandi	1.7	10.8	79.5	6.5	0.2	0.6	0.7			136,756
Narok	5.5	0.3	67.4		19.8	2.9			4.1	77,209
Samburu	1.0	1.4	73.3	12.5	0.8				11.1	32,564
Trans Mara	1.3	2.8	94.2	1.4		0.3				32,535
Trans zoia	1.7	11.9	77.0	7.6		0.5			1.3	129,376
Turkana			48.0	6.3	5.2	1.0	9.6		29.9	82,869
Uasin Gishu	16.2	8.8	47.1	7.2	20.1	0.6				147,059
West Pokot		3.6	72.2	11.2	12.7	0.3				68,601
Buret	0.1	36.8	51.9	1.5	8.8	0.9				74,602
Western	**1.0**	**9.9**	**81.6**	**6.8**	**0.1**	**0.0**	**0.1**		**0.3**	**748,162**
Bungoma	1.1	10.6	79.5	8.8						187,085
Busia	0.7	7.2	85.4	6.0					0.7	84,538
Mt. Elgon	1.4	1.9	80.9	7.1	3.1		0.9		4.6	30,908
Kakamega	1.0	4.5	85.7	8.2			0.6			124,379
Lugari	1.1	13.3	83.6	1.9						45,113
Teso		11.7	76.8	11.5						42,117
Vihiga	1.7	16.9	74.8	6.6						120,653
Butere/Mumias	0.9	9.6	86.4	2.8		0.1			0.3	113,369

Table 10.6: **Percentage distribution of Households by Main Floor Material of Main Dwelling**

Region	Cement	Tiles	Wood	Earth	Other	Total Count	Region	Cement	Tiles	Wood	Earth	Other	Total Count
Kenya	**38.2**	**1.1**	**1.2**	**59.2**	**0.3**	**6,858,145**	**Nyanza**	**30.1**	**0.5**	**1.2**	**68.1**	**0.1**	**1,005,956**
							Gucha	11.2	0.1		88.7		97,108
Rural	25.2	0.2	1.2	73.0	0.3	5,149,307	Homa Bay	16.8		3.1	80.1		67,042
Urban	77.2	3.7	1.3	17.7	0.2	1,708,838	Kisii	23.8	1.4	1.2	73.6		101,128
							Kisumu	53.4	1.7	1.4	43.5		121,392
Nairobi	**75.8**	**7.5**	**2.2**	**14.2**	**0.3**	**687,086**	Kuria	12.4			87.6		35,513
							Migori	37.1	0.7	2.4	59.8		111,694
Central	**44.7**	**0.4**	**1.3**	**53.4**	**0.2**	**980,737**	Nyamira	32.3		2.2	65.5		110,059
Kiambu	72.0	0.4	3.8	23.0	0.7	184,682	Rachuonyo	29.1	0.6	1.1	69.2		72,370
Kirinyaga	33.0		1.0	66.0		128,349	Siaya	27.5			71.7	0.8	125,202
Murang'a	33.7	0.6	0.9	64.7		93,190	Suba	34.2		0.9	64.9		33,948
Nyandarua	26.6		1.4	72.0		114,535	Bondo	30.7	0.1		69.2		58,754
Nyeri	40.0	0.2	1.1	58.7		185,123	Nyando	35.9	0.5	0.5	63.0		71,747
Thika	57.0	1.0		41.7	0.3	174,294							
Maragua	27.8			72.2		100,564	**Rift Valley**	**36.8**	**0.3**	**1.3**	**61.4**	**0.3**	**1,626,484**
							Baringo	20.8	0.1	1.4	76.1	1.5	59,648
Coast	**45.2**	**1.3**	**0.2**	**53.2**	**0.2**	**581,629**	Bomet	14.7	0.9		84.4		75,291
Kilifi	22.0	0.4		77.6		105,557	Keiyo	38.8		1.1	59.5	0.5	35,344
Kwale	29.9		0.6	69.1	0.4	107,145	Kajiado	62.8			37.2		101,691
Lamu	37.6			62.3	0.1	15,980	Kericho	64.4		0.9	34.6		112,759
Mombasa	83.4	3.0		13.3	0.3	192,228	Koibatek	29.4		13.1	57.5		33,350
Taita Taveta	35.3			64.7		65,369	Laikipia	41.1		0.4	58.5		96,075
Tana River	6.5			93.5		39,679	Marakwet	19.8	2.1		78.1		31,454
Malindi	28.1	1.9	0.6	69.4		55,672	Nakuru	53.4	0.5	0.4	45.7		299,300
							Nandi	26.1		2.0	71.9		136,756
Eastern	**32.7**	**0.2**	**1.8**	**64.7**	**0.7**	**1,047,830**	Narok	16.9			83.1		77,209
Embu	31.8	0.2		67.9		75,849	Samburu	7.7			91.8	0.5	32,564
Isiolo	15.7		0.9	83.4		18,076	Trans Mara	5.1			94.9		32,535
Kitui	30.2		7.4	62.4		112,066	Trans zoia	23.0			76.2	0.9	129,376
Makueni	33.7			65.9	0.5	158,604	Turkana	6.8		9.0	84.2		82,869
Machakos	46.6	0.4		53.0		215,817	Uasin Gishu	49.4	0.9	2.3	46.1	1.3	147,059
Marsabit	8.3	0.4		91.3		27,132	West Pokot	18.1		0.2	81.6		68,601
Mbeere	19.1		0.5	80.0	0.5	40,541	Buret	47.3			52.7		74,602
Meru Central	43.3	0.5	1.1	50.5	4.5	126,064							
Moyale	33.8			66.2		10,288	**Western**	**18.2**	**0.2**	**0.2**	**81.4**	**0.0**	**748,162**
Mwingi	28.6		4.4	67.0		63,579	Bungoma	19.0	0.1		80.9		187,085
Meru North	17.3		3.8	78.1	0.8	123,154	Busia	20.1		0.3	79.5	0.2	84,538
Tharaka	10.4		1.3	87.7	0.6	21,887	Mt. Elgon	10.7			89.3		30,908
Meru South	31.8		1.0	67.2		54,773	Kakamega	12.8			87.2		124,379
							Lugari	19.7			80.3		45,113
North Eastern	**9.3**	**0.1**	**0.4**	**89.6**	**0.6**	**180,262**	Teso	18.5		0.6	80.8		42,117
Garissa	16.1		1.1	82.8		69,500	Vihiga	26.9	0.7	1.0	71.3		120,653
Mandera	6.5	0.2		92.5	0.8	47,055	Butere/Mumias	13.3	0.1		86.5	0.1	113,369
Wajir	4.0			94.9	1.1	63,707							

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Table 10.7: **Percentage distribution of Households by Main Roofing Material of Main Dwelling**

Region	Corrugated Iron Sheet	Tiles	Concrete	Asbestos Sheets	Grass	Makuti	Tin	Other	Total Count
Kenya	**73.6**	**2.4**	**3.4**	**0.6**	**14.8**	**3.2**	**0.3**	**1.7**	**6,859,974**
Rural	74.0	0.5	0.2	0.1	19.5	3.3	0.3	2.2	5,149,307
Urban	72.3	8.1	13.3	2.1	0.8	2.8	0.4	0.2	1,710,667
Nairobi	**56.6**	**12.4**	**27.9**	**2.3**		**0.1**	**0.6**		**688,915**
Central	**94.2**	**1.5**	**1.7**	**0.2**	**1.1**	**0.0**	**1.3**	**0.0**	**980,737**
Kiambu	94.8	2.1	1.4	0.2	1.4			0.1	184,682
Kirinyaga	99.2	0.6		0.2					128,349
Murang'a	92.6		2.0				5.4		93,190
Nyandarua	98.7		0.7		0.6				114,535
Nyeri	93.6	1.0	2.2	0.6	1.6	0.3	0.8		185,123
Thika	86.7	4.5	3.8	0.3	2.3		2.4		174,294
Maragua	97.2		0.9				1.9		100,564
Coast	**50.4**	**3.3**	**1.8**	**2.3**	**11.2**	**28.5**	**0.0**	**2.4**	**581,629**
Kilifi	40.7			1.7	10.0	47.6			105,557
Kwale	35.7			0.6	4.9	58.9			107,145
Lamu	30.0		10.8		10.9	29.7	1.3	17.3	15,980
Mombasa	69.0	9.7	2.9	4.4		14.0			192,228
Taita Taveta	80.2		0.4	1.7	14.0	1.9		1.8	65,369
Tana River	20.6				54.0	0.4		25.0	39,679
Malindi	25.1	1.2	5.6	2.6	30.4	35.1			55,672
Eastern	**83.2**	**0.4**	**0.4**	**0.3**	**13.7**	**0.8**	**0.1**	**1.1**	**1,047,830**
Embu	98.7	0.2		0.2		0.9			75,849
Isiolo	59.7			1.8	21.0	11.0	2.3	4.2	18,076
Kitui	75.8	0.7	0.1		22.8	0.6			112,066
Makueni	79.9				19.4	0.4	0.3		158,604
Machakos	82.0	1.0	1.2	0.5	14.8			0.4	215,817
Marsabit	31.0	0.1	1.1		37.5	1.3		29.0	27,132
Mbeere	84.7	0.7			3.9	10.7			40,541
Meru Central	97.5			0.7	1.7				126,064
Moyale	51.8				37.0			11.2	10,288
Mwingi	77.2				22.8				63,579
Meru North	91.3	0.8	0.7	0.7	6.6				123,154
Tharaka	64.8				33.1			2.1	21,887
Meru South	93.3				6.7				54,773
North Eastern	**18.4**	**0.1**			**80.1**	**0.4**	**0.2**	**0.8**	**180,262**
Garissa	35.5				63.1			1.5	69,500
Mandera	5.6	0.4			92.3		0.9	0.8	47,055
Wajir	9.2				89.6	1.1			63,707
Nyanza	**79.8**	**0.9**	**0.3**	**0.2**	**18.7**			**0.1**	**1,005,956**
Gucha	88.1	0.1		0.0	11.8				97,108
Homa Bay	73.0	0.5	0.2		26.3				67,042
Kisii	81.5		1.2	0.3	16.9				101,128
Kisumu	83.1	4.4	0.8	0.8	10.9				121,392
Kuria	65.3				34.7				35,513
Migori	81.0				18.5			0.5	111,694
Nyamira	89.2	1.2	0.1		9.5				110,059
Rachuonyo	88.1				11.9				72,370
Siaya	63.7	1.0	0.6	0.1	34.5				125,202
Suba	85.3				14.7				33,948
Bondo	68.2	0.5			31.3				58,754
Nyando	83.6	0.5	0.3	1.4	14.2				71,747

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Table 10.7: **Contd...**

Region	Corrugated Iron Sheet	Tiles	Concrete	Asbestos Sheets	Grass	Makuti	Tin	Other	Total Count
Rift Valley	**72.5**	**1.6**	**0.4**	**0.3**	**17.2**	**2.4**	**0.2**	**5.3**	**1,626,484**
Baringo	50.7	0.7	1.6	0.5	44.2			2.4	59,648
Bomet	60.1			0.9	38.4	0.1	0.5		75,291
Keiyo	71.3	0.6		0.8	26.8		0.5		35,344
Kajiado	68.3	2.6	4.5	0.9	8.1	1.2		14.5	101,691
Kericho	85.3				14.5	0.2			112,759
Koibatek	80.9		0.5		16.6		2.0		33,350
Laikipia	84.2	3.7	0.5	1.4	10.2				96,075
Marakwet	44.5	1.3			51.7			2.5	31,454
Nakuru	90.5	0.8	0.2	0.2	6.0	0.7		1.5	299,300
Nandi	82.4	0.1			17.5				136,756
Narok	70.7				15.8			13.6	77,209
Samburu	20.4			1.0	9.2		4.4	65.1	32,564
Trans Mara	24.0		0.1		75.9				32,535
Trans Nzoia	81.9	1.8			16.2				129,376
Turkana	20.4				1.8	42.9	1.1	33.8	82,869
Uasin Gishu	86.4	7.3	0.0		6.2				147,059
West Pokot	33.4				59.2			7.4	68,601
Buret	88.4	4.8	0.2		6.6				74,602
Western	**73.7**	**0.4**	**0.3**	**0.1**	**25.0**	**0.1**	**0.1**	**0.2**	**748,162**
Bungoma	81.8			0.1	18.2				187,085
Busia	59.0				40.8		0.2		84,538
Mt. Elgon	56.0				39.3	0.5		4.3	30,908
Kakamega	71.6			0.1	28.3				124,379
Lugari	84.1	0.9		0.2	14.8				45,113
Teso	33.8				65.3	0.8			42,117
Vihiga	94.2	1.0	0.7	0.6	3.5				120,653
Butere/Mumias	67.6	1.1	1.2		29.2		0.7	0.3	113,369

Table 10.8: **Percentage distribution of Households by, main source of drinking water and Region**

Region	Piped into dwelling	Piped into plot/yard	Public tap	Borehole with pump	Protected dug well	Protected spring	Rain water collection	Unprotected dug well/springs	River/ponds streams	Tankers-truck/ vendor	Bottled water	Total Count
Kenya	**7.6**	**13.7**	**11.2**	**6.2**	**7.2**	**8.8**	**4.2**	**12.4**	**20.5**	**4.2**	**0.1**	**6,871,340**
Rural	3.8	8.0	7.0	7.7	8.3	11.2	5.1	16.1	26.4	2.2	0.0	5,155,921
Urban	18.8	31.1	24.1	1.9	3.8	1.7	1.4	1.3	2.5	10.3	0.2	1,715,419
Nairobi	**27.8**	**40.0**	**27.2**	**0.2**	**0.7**		**0.2**			**2.7**		**696,259**
Central	**7.5**	**21.6**	**2.8**	**4.2**	**12.5**	**2.3**	**9.3**	**9.5**	**25.1**	**3.5**		**979,645**
Kiambu	4.6	31.4	3.1	15.6	23.1		4.0	5.9	9.2	3.1		183,347
Kirinyaga	19.1	7.6	1.4		20.8	1.2	3.2	3.7	33.8	0.2		128,349
Murang'a	3.8	10.0	2.2		7.4	1.5	16.8	1.5	56.0			93,190
Nyandarua	4.0	10.8	0.4	4.9	17.8	1.0	11.1	21.6	23.0	2.0		114,535
Nyeri	8.3	29.5	8.5	0.9	2.9	0.9	13.5	14.1	19.6	1.6		185,123
Thika	7.2	32.5	1.2	2.9	4.4	5.8	4.4	9.2	20.5	11.9		174,294
Maragua	4.5	11.2		0.5	12.7	6.2	19.0	8.6	35.0	1.9		100,806
Coast	**8.5**	**7.7**	**35.8**	**3.8**	**4.2**	**0.2**	**1.9**	**6.3**	**6.7**	**19.9**	**0.2**	**582,595**
Kilifi	10.6	6.2	43.4		0.2		7.2	8.8	2.0	21.6		106,394
Kwale	2.9	2.5	44.5	12.1	18.2		0.9	11.4	1.8	4.3		107,145
Lamu	11.4		2.3	2.8	2.8		6.8	22.2	9.3	32.1	0.7	15,980
Mombasa	10.8	11.1	40.9	0.4	0.5					35.4	0.5	192,228
Taita Taveta	4.6	19.2	27.4			2.0	0.9	2.6	23.0	0.5		65,231
Tana River	1.1	2.3	2.2	20.7	8.3		1.5	5.5	23.7	8.0		39,597
Malindi	16.3	1.6	30.8		0.4			13.8	16.3	20.8		56,021
Eastern	**3.5**	**13.4**	**11.8**	**5.3**	**5.1**	**3.9**	**2.8**	**18.0**	**28.1**	**1.5**	**0.0**	**1,051,445**
Embu	4.3	37.5	2.6	0.2	2.3	0.9	2.0	14.7	29.6	0.9		75,976
Isiolo		20.4	17.5		2.3			28.3	11.8	0.6		17,975
Kitui	1.2	0.2	7.9	1.8	5.1		0.8	29.9	50.3	0.8		110,750
Makueni		4.6	12.6	5.1	8.5	9.7	1.3	29.8	22.1	0.8		158,604
Machakos	2.9	2.4	14.3	13.0	4.8	10.0	9.0	23.5	14.6	3.4		215,817
Marsabit	1.5	8.3	12.5	16.5	18.6		0.2	24.6	3.7	1.6	1.3	27,303
Mbeere	2.0	5.9	2.1	11.9	4.6		4.9	19.8	42.0	0.4		40,541
Meru Central	9.0	48.5	12.9			2.3	1.1	5.2	15.0	0.2		128,484
Moyale		2.0	12.5	9.3	15.6		3.6	8.2	32.4	16.4		10,388
Mwingi	0.6		11.4		0.8		0.7	9.7	66.9	1.1		63,579
Nyambene	0.9	15.9	23.3	2.5	2.8		0.9	3.1	31.8	0.7		125,849
Tharaka	1.9	3.2	5.0	15.9	3.6	0.8		14.4	52.9	2.3		21,887

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Table 10.8: **Contd...**

Region	Piped into dwelling	Piped into plot/yard	Public tap	Borehole with pump	Protected dug well	Protected spring	Rain water collection	Unprotected dug well/springs	River/ponds streams	Tankers-truck/ vendor	Bottled water	Total Count
Meru South	21.3	14.6	0.4	1.5	16.8	1.4		12.4	25.6	0.7		54,292
North Eastern	**0.1**	**5.0**	**1.2**	**18.8**	**5.8**			**31.3**	**15.0**	**12.1**		**179,523**
Garissa		11.7	2.6	10.7				44.2	10.0	5.2		69,500
Mandera	0.2	1.8	0.6	13.8	11.1			1.3	32.2	20.7		47,055
Wajir		0.1		31.6	8.2			39.4	7.6	13.2		62,968
Nyanza	2.2	2.9	9.6	7.6	3.7	21.3	9.3	17.1	17.1	2.9	0.1	1,007,818
Gucha	0.1	5.2	2.2	1.9	2.7	46.1	1.1	37.2	3.6			97,693
Homa Bay	0.8	4.6	4.8	22.4	2.0		11.4	17.8	22.6	8.7		67,042
Kisii	1.7	3.6	0.2		0.2	74.1	6.9	7.9	3.9	1.4		101,128
Kisumu	11.9	2.4	31.2	5.6	3.5	1.9	9.4	6.0	16.2	11.8		121,392
Kuria		0.2	0.2	4.6	2.1	24.8	0.7	50.8	15.6	0.6		35,715
Migori	0.3	0.5	3.9	14.1	10.3	5.6	13.7	5.6	19.9	1.5	0.5	111,694
Nyamira	0.4	0.8	0.1		1.1	49.6	4.4	35.7	7.1	0.7		110,875
Rachuonyo	0.1	0.2	3.6	1.1	1.9	5.9	16.7	20.2	38.5	2.2		72,370
Siaya	3.3	6.8	12.2	11.8	8.6	2.1	7.4	16.6	29.4	0.3	0.1	125,202
Suba		0.2	1.9	19.6		1.0	13.9			1.5		34,196
Bondo	0.2	0.4	27.5	3.8	3.0		20.6	8.7	33.1	2.8		58,766
Nyando	0.9	5.9	19.9	15.7	2.5	21.5	11.0	5.8	14.6	1.2		71,747
Rift Valley	**8.3**	**12.5**	**6.4**	**7.5**	**10.5**	**3.5**	**2.9**	**11.3**	**30.5**	**2.8**	**0.2**	**1,627,887**
Baringo	2.9	4.0	0.8	0.9	1.5	9.1	4.2	15.0	56.2	1.2	1.5	60,129
Bomet	0.2	3.2	0.4		6.9	5.2	1.5	14.4	68.0	0.1		75,291
Keiyo	3.5	19.7	2.9	0.8	40.2	2.8	1.4	4.8	23.8			35,344
Kajiado	4.9	28.4	10.7	19.6	3.3		0.8	11.9	3.2	6.0		102,295
Kericho	48.7	8.9	3.4	0.3	8.4	2.7		3.2	24.4	0.1		112,759
Koibatek	1.5	23.9	4.9	3.6	7.1	2.0	0.4	4.1	48.0			33,350
Laikipia	16.1	21.9	0.9		10.1	0.4	11.4	2.6	24.1	1.7		96,075
Marakwet	1.6	13.5	2.1		2.4	3.1	3.0	9.0	63.7	0.9		31,454
Nakuru	7.5	25.2	5.6	16.8	4.9	0.2	5.9	0.9	16.3	8.9		300,649
Nandi	2.4	7.4	1.2	0.4	6.5	3.8	1.3	41.0	35.6	0.3		136,756
Narok	0.8	0.5	0.1		5.4	8.4	7.5	14.7	57.4	0.7		75,829
Samburu			18.0	10.1	5.9			21.6	44.5			32,793
Trans Mara	0.5	1.2	12.8		2.7	7.1		43.7	26.1	0.6		32,860
Trans Nzoia	2.0	4.5	13.8	13.3	15.6	21.3	0.8	4.7	22.6			129,376
Turkana		5.5	16.3	18.9				23.8	35.4			82,556
Uasin Gishu	6.0	3.4	14.4	0.9	48.7		0.3	3.3	15.3	5.1	1.7	147,167
West Pokot	0.3	5.8	0.3	15.8	0.4		4.2	9.5	63.6			68,601
Buret	22.3	18.6	3.5	0.6	3.5		1.4	16.3	31.9	1.4	0.1	74,602

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Table 10.8: **Percentage distribution of Households by, main source of drinking water and Region**

Region	Piped into dwelling	Piped into plot/yard	Public tap	Borehole with pump	Protected dug well	Protected spring	Rain water collection	Unprotected dug well/springs	River/ponds streams	Tankers-truck/ vendor	Bottled water	Total Count
Western	**1.1**	**3.5**	**2.5**	**9.7**	**9.1**	**35.7**	**1.5**	**16.2**	**17.5**	**1.1**		**746,168**
Bungoma	0.4	1.6	4.0	12.9	7.3	39.9	0.8	13.2	18.6	0.9		185,213
Busia	1.7	2.0	2.2	21.8	20.2	33.9	0.7	6.1	4.6	0.1		84,538
Mt. Elgon	4.3	12.4	6.7	3.3	3.0	29.2		8.1	23.3			31,201
Kakamega	2.0	3.7	0.2	3.9	2.8	18.2	0.1	26.1	38.7	2.0		124,379
Lugari	1.3	1.2	0.1	25.4	10.9	24.8	0.7	24.3	10.3	1.1		45,179
Teso	0.3	0.4	5.6	15.9	9.4	29.4	0.6	16.8	21.2	0.4		41,636
Vihiga	0.5	7.2	2.2	1.4	3.6	46.1	6.6	19.9	7.7	2.0		120,653
Butere/Mumias	0.7	3.2	1.9	3.9	17.5	47.1	0.7	12.4	12.1	0.6		113,369

Table 10.9: **Percentage distribution of Households by Type of Main toilet facility.**

Region/District	Flush Toilet	VIP latrine	Pit Latrine	Uncovered Pit Latrine	Covered Pit Latrine	Bucket	None	Other	Total Count
Kenya	**11.0**	**5.6**	**67.4**	**34.8**	**32.6**	**0.0**	**14.8**	**1.1**	**6,885,091**
Rural	1.6	5.3	73.5	36.7	36.8	0.0	18.8	0.8	5,161,465
Urban	39.3	6.8	49.2	29.2	20.0	0.2	2.6	1.9	1,723,626
Nairobi	**61.5**	**0.4**	**32.1**	**23.7**	**8.4**	**0.0**	**1.3**	**4.8**	**701,299**
Central	**8.1**	**8.4**	**83.2**	**48.0**	**35.2**	**0.0**	**0.4**	**0.0**	**980,300**
Kiambu	10.0	8.6	79.6	45.2	34.4	0.0	1.7	0.0	183,347
Kirinyaga	3.9	11.8	84.2	50.3	33.9	0.0	0.0	0.0	128,349
Murang'a	7.9	5.1	87.0	20.2	66.8	0.0	0.0	0.0	93,190
Nyandarua	1.2	3.9	94.9	67.6	27.3	0.0	0.0	0.0	114,535
Nyeri	7.1	10.6	82.2	75.5	6.7	0.0	0.0	0.0	185,123
Thika	17.1	7.6	74.9	25.4	49.5	0.0	0.4	0.0	174,949
Maragua	2.4	9.2	88.4	44.1	44.3	0.0	0.0	0.0	100,806
Coast	**15.0**	**6.6**	**47.6**	**25.6**	**22.0**	**0.0**	**30.7**	**0.0**	**583,176**
Kilifi	10.1	0.0	54.7	13.8	40.9	0.0	35.2	0.0	106,394
Kwale	0.0	6.7	34.7	33.5	1.2	0.0	58.6	0.0	107,145
Lamu	8.3	4.6	61.7	6.2	55.5	0.0	25.4	0.0	15,980
Mombasa	31.3	14.1	53.4	44.1	9.3	0.0	1.1	0.0	192,228
Taita Taveta	5.8	4.5	75.8	8.4	67.4	0.0	13.9	0.0	65,231
Tana River	1.0	0.5	30.4	8.7	21.7	0.0	68.1	0.0	39,679
Malindi	18.4	0.0	17.3	7.4	9.9	0.0	64.3	0.0	56,519
Eastern	**2.9**	**6.6**	**77.0**	**25.7**	**51.3**	**0.0**	**13.3**	**0.2**	**1,054,502**
Embu	8.5	12.6	77.7	5.7	72.0	0.0	1.1	0.0	75,976
Isiolo	0.0	16.8	31.3	14.9	16.4	0.0	51.9	0.0	18,076
Kitui	1.1	1.2	63.9	3.9	60.0	0.0	33.8	0.0	110,750
Makueni	0.0	3.9	90.1	35.2	54.9	0.0	5.6	0.5	158,604
Machakos	5.9	6.2	78.3	30.5	47.8	0.0	9.6	0.0	215,817
Marsabit	0.2	6.5	25.8	13.5	12.3	0.0	65.7	1.9	27,303
Mbeere	2.5	11.2	79.9	11.6	68.3	0.0	6.4	0.0	40,599
Meru Central	5.8	13.1	80.4	29.4	51.0	0.0	0.0	0.7	128,484
Moyale		18.4	31.3	23.4	7.9	0.0	50.3	0.0	10,388
Mwingi	0.8	2.0	58.8	5.6	53.2	0.0	38.4	0.0	63,579
Meru North	0.9	2.6	93.6	38.3	55.3	0.0	3.0	0.0	128,735
Tharaka	0.6	7.2	81.5	53.6	27.9	0.0	10.7	0.0	21,898
Meru South	1.6	7.0	90.9	48.1	42.8	0.0	0.5	0.0	54,292
North Eastern	**0.1**	**5.9**	**28.9**	**16.1**	**12.8**	**1.8**	**42.1**	**21.3**	**181,493**
Garissa	0.0	0.0	26.2	8.1	18.1	0.0	73.9	0.0	69,500
Mandera	0.0	19.0	38.9	34.8	4.1	0.0	42.0	0.0	49,024
Wajir	0.2	0.0	23.0	7.7	15.3	4.9	13.6	58.2	62,968
Nyanza	**3.2**	**5.9**	**67.1**	**32.9**	**34.2**	**0.0**	**23.7**	**0.1**	**1,007,818**
Gucha	4.7	6.3	87.2	53.8	33.4	0.0	1.1	0.6	97,693
Homa Bay	4.0	3.1	37.4	33.2	4.2	0.0	55.6	0.0	67,042
Kisii	0.9	8.8	89.0	60.3	28.7	0.0	1.3	0.0	101,128
Kisumu	15.7	5.8	60.3	10.2	50.1	0.0	18.1	0.0	121,392
Kuria	0.3	3.6	62.4	47.1	15.3	0.0	33.4	0.3	35,715
Migori	1.1	5.2	57.2	50.4	6.8	0.0	36.5	0.0	111,694
Nyamira	0.1	11.3	88.6	52.7	35.9	0.0	0.0	0.0	110,875
Rachuonyo	0.7	6.6	54.0	12.9	41.1	0.0	38.7	0.0	72,370
Siaya	1.4	4.9	76.9	17.1	59.8	0.0	16.8	0.0	125,202
Suba	0.0	1.8	41.9	33.7	8.2	0.0	56.3	0.0	34,196
Bondo	0.6	2.1	47.8	12.0	35.8	0.0	49.6	0.0	58,766
Nyando	0.0	4.3	60.4	7.3	53.1	0.0	35.2	0.0	71,747
Rift Valley	**6.0**	**4.6**	**67.7**	**45.7**	**22.0**	**0.0**	**21.6**	**0.1**	**1,629,612**
Baringo	1.7	10.9	42.3	26.3	16.0	0.0	45.1	0.0	60,129
Bomet	0.1	3.3	79.0	38.9	40.1	0.0	17.7	0.0	75,291
Keiyo	11.5	0.5	75.9	12.4	63.5	0.0	12.0	0.0	35,344

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Table 10.9: **Contd...**

Region/District	Flush Toilet	VIP latrine	Pit Latrine	Uncovered Pit Latrine	Covered Pit Latrine	Bucket	None	Other	Total Count
Kajiado	7.0	1.2	60.6	41.3	19.3	0.0	31.2	0.0	102,295
Kericho	0.5	0.7	87.1	44.7	42.4	0.0	11.6	0.0	112,759
Koibatek	3.0	3.0	69.7	14.9	54.8	0.0	24.2	0.0	33,350
Laikipia	13.5	1.9	78.0	47.8	30.2	0.0	6.6	0.0	96,075
Marakwet	2.9	3.4	59.5	49.8	9.7	0.0	34.2	0.0	31,454
Nakuru	16.1	0.5	83.0	74.0	9.0	0.0	0.3	0.0	301,637
Nandi	0.7	4.3	89.4	88.5	0.9	0.0	5.6	0.0	136,756
Narok	0.2	1.0	42.9	7.1	35.8	0.0	55.8	0.0	75,829
Samburu	0.0	0.0	11.6	0.5	11.1	0.0	88.5	0.0	32,793
Trans Mara	0.2	0.6	20.4	6.3	14.1	0.0	77.9	1.0	33,081
Trans Nzoia	4.7	7.8	83.9	26.8	57.1	0.0	2.5	1.2	129,893
Turkana	0.0	0.0	17.7	6.6	11.1	0.0	82.3	0.0	82,556
Uasin Gishu	7.8	16.4	72.1	51.3	20.8	0.0	3.7	0.0	147,167
West Pokot	0.0	18.1	13.3	9.4	3.9	0.0	68.6	0.0	68,601
Buret	2.1	5.2	89.7	87.5	2.2	0.0	3.0	0.0	74,602
Western	**1.4**	**6.6**	**88.2**	**30.6**	**57.6**	**0.0**	**3.4**	**0.4**	**746,892**
Bungoma	0.9	5.9	90.5	60.1	30.4	0.0	2.7	0.0	185,937
Busia	1.4	5.6	83.5	61.4	22.1	0.0	9.5	0.2	84,538
Mt. Elgon	0.0	4.0	90.0	27.7	62.3	0.0	5.9	0.1	31,201
Kakamega	2.7	2.8	89.8	3.9	85.9	0.0	4.8	0.0	124,379
Lugari	1.0	9.6	85.1	3.1	82.0	0.0	4.3	0.1	45,179
Teso	0.7	7.8	90.9	51.8	39.1	0.0	0.6	0.0	41,636
Vihiga	1.2	12.9	85.3	7.4	77.9	0.0	0.0	0.6	120,653
Butere/Mumias	2.0	5.4	89.0	14.6	74.4	0.0	2.0	1.5	113,369

Table 10.10: **Percentage distribution of Households by use of toilet facility**

Region	HH members only	2 HH	3 HH	4 or more	Total	Region	HH members only	2 HH	3 HH	4 or more	Total
Kenya	**47.6**	**12.7**	**7.5**	**32.2**	**5,830,864**	**Nyanza**	**45.3**	**19.2**	**11.0**	**24.5**	**770,715**
						Gucha	73.0	16.1	5.2	5.7	96,597
Rural	56.6	15.9	8.5	19.0	4,152,245	Homa Bay	28.8	15.7	12.9	42.6	29,787
Urban	25.3	4.9	5.0	64.8	1,678,618	Kisii	59.6	18.4	3.7	18.3	99,815
						Kisumu	37.0	18.7	9.6	34.7	99,400
Nairobi	**26.2**	**3.8**	**4.0**	**66.0**	**692,146**	Kuria	33.8	16.7	13.4	36.1	23,812
						Migori	30.5	18.5	11.4	39.6	70,889
Central	**55.3**	**14.7**	**8.9**	**21.1**	**975,231**	Nyamira	62.5	16.0	7.1	14.5	110,875
Kiambu	51.4	13.4	11.7	23.5	178,966	Rachuonyo	34.0	25.9	17.7	22.4	44,345
Kirinyaga	58.8	20.0	8.1	13.0	128,349	Siaya	29.3	27.8	19.1	23.8	104,183
Murang'a	69.5	16.8	6.9	6.8	93,190	Suba	33.7	20.4	7.0	39.0	14,957
Nyandarua	52.6	21.2	9.0	17.3	114,535	Bondo	22.7	21.5	27.9	27.9	29,597
Nyeri	62.1	11.1	9.2	17.6	185,123	Nyando	37.4	13.4	14.4	34.8	46,459
Thika	41.3	6.4	6.3	46.1	174,261						
Maragua	59.6	21.9	10.3	8.2	100,806	**Rift Valley**	**46.2**	**10.0**	**5.2**	**38.6**	**1,283,017**
						Baringo	78.9	5.6	4.8	10.7	33,019
Coast	**29.2**	**7.7**	**7.1**	**55.9**	**403,923**	Bomet	79.6	7.7	3.5	9.2	61,994
Kilifi	13.2	4.9	14.1	67.8	68,775	Keiyo	54.2	14.8	13.4	17.6	31,014
Kwale	37.9	19.9	11.2	31.0	44,325	Kajiado	20.9	7.7		71.4	70,413
Lamu	66.0	17.6	9.9	6.5	11,915	Kericho	24.7	7.1	2.5	65.7	99,640
Mombasa	18.1	1.7	3.1	77.0	190,025	Koibatek	47.5	20.8	13.8	17.8	25,266
Taita Taveta	63.0	15.8	7.6	13.6	56,173	Laikipia	51.1	12.3	6.7	29.9	89,765
Tana River	43.5	34.1	15.9	6.5	12,657	Marakwet	71.2	15.3	1.4	12.1	20,683
Malindi	45.0	2.6	2.6	49.7	20,053	Nakuru	25.4	6.9	4.6	63.1	300,649
						Nandi	63.5	14.2	7.4	15.0	129,121
Eastern	**62.3**	**14.9**	**8.1**	**14.7**	**920,694**	Narok	66.1	10.1	1.7	22.0	33,578
Embu	56.3	19.2	8.8	15.7	75,106	Samburu	25.9	24.0	16.5	33.6	3,781
Isiolo	18.3	21.2	16.2	44.3	8,965	Trans Mara	59.0	13.9	1.0	26.1	7,144
Kitui	51.4	27.4	8.0	13.3	73,338	Trans Nzoia	63.6	12.8	3.7	19.9	126,698
Makueni	66.9	13.7	9.1	10.2	149,791	Turkana	38.7			61.3	14,612
Machakos	63.8	13.0	11.0	12.3	195,126	Uasin Gishu	51.1	7.8	7.8	33.3	141,778
Marsabit	30.1	14.5	16.7	38.7	9,139	West Pokot	62.9	14.9	3.8	18.4	21,510
Mbeere	59.3	26.9	9.2	4.5	37,999	Buret	42.9	13.3	8.1	35.7	72,353
Meru Central	72.7	3.8	1.1	22.4	128,484						
Moyale	34.5	29.3	13.0	23.2	5,166	**Western**	**56.0**	**16.5**	**7.9**	**19.7**	**721,453**
Mwingi	58.7	23.5	9.1	8.7	39,170	Bungoma	59.2	15.2	9.3	16.4	180,926
Meru North	60.2	10.7	6.5	22.6	124,872	Busia	56.7	27.4	5.6	10.3	76,533
Tharaka	68.4	21.8	6.6	3.2	19,543	Mt. Elgon	63.6	26.9	5.7	3.8	29,361
Meru South	64.8	19.1	10.0	6.1	53,995	Kakamega	58.1	17.1	10.6	14.2	118,277
						Lugari	76.5	12.4	8.0	3.1	43,226
North Eastern	**24.6**	**15.2**	**16.4**	**43.8**	**63,684**	Teso	41.8	20.7	11.3	26.2	41,379
Garissa	15.5	32.4	35.5	16.6	18,166	Vihiga	59.0	13.2	2.1	25.7	120,653
Mandera	29.3	9.8	12.1	48.8	28,413	Butere/Mumias	40.1	11.2	9.6	39.0	111,099
Wajir	26.3	5.9	3.4	64.4	17,105						

Table 10.11: **Percentage distribution of Households by Depth of Latrine**

Region	Shallow	Deep	Total Count	Region	Shallow	Deep	Total Count
Kenya	**42.6**	**57.4**	**4,521,340**	**Nyanza**	**46.1**	**53.9**	**695,295**
				Gucha	47.5	52.5	83,416
Rural	41.1	58.9	3,660,090	Homa Bay	62.7	37.3	26,004
Urban	49.3	50.7	861,250	Kisii	35.3	64.7	94,742
				Kisumu	52.9	47.1	80,203
Nairobi	**89.0**	**11.0**	**197,608**	Kuria	34.7	65.3	18,976
				Migori	51.4	48.6	69,459
Central	**33.3**	**66.7**	**829,081**	Nyamira	31.2	68.8	98,925
Kiambu	46.1	53.9	158,708	Rachuonyo	51.4	48.6	41,267
Kirinyaga	31.7	68.3	108,879	Siaya	54.4	45.6	96,237
Murang'a	29.5	70.5	75,388	Suba	31.4	68.6	13,954
Nyandarua	30.8	69.2	102,781	Bondo	54.7	45.3	27,840
Nyeri	13.4	86.6	155,637	Nyando	49.8	50.2	44,273
Thika	49.8	50.2	139,211				
Maragua	27.3	72.7	88,477	**Rift Valley**	**39.1**	**60.9**	**1,039,355**
				Baringo	62.7	37.3	29,407
Coast	**29.2**	**70.8**	**275,718**	Bomet	53.3	46.7	54,099
Kilifi	39.6	60.4	48,393	Keiyo	40.2	59.8	22,438
Kwale	5.7	94.3	38,136	Kajiado	32.1	67.9	58,171
Lamu	38.1	61.9	9,945	Kericho	46.7	53.3	86,143
Mombasa	10.4	89.6	114,451	Koibatek	55.2	44.8	20,261
Taita Taveta	68.6	31.4	45,037	Laikipia	45.9	54.1	62,470
Tana River	69.1	30.9	10,758	Marakwet	57.1	42.9	17,366
Malindi	57.7	42.3	8,998	Nakuru	22.9	77.1	230,970
				Nandi	38.4	61.6	102,879
Eastern	**52.2**	**47.8**	**784,931**	Narok	8.8	91.2	29,137
Embu	25.8	74.2	57,257	Samburu	42.4	57.6	3,728
Isiolo	60	40	9,849	Trans Mara	35.1	64.9	6,257
Kitui	58	42	62,451	Trans Nzoia	22.8	77.2	103,454
Makueni	68.4	31.6	134,126	Turkana	51.7	48.3	12,935
Machakos	57.5	42.5	157,366	Uasin Gishu	59.9	40.1	119,039
Marsabit	30	70	9,585	West Pokot	43.3	56.7	19,566
Mbeere	49.4	50.6	33,330	Buret	53.1	46.9	61,035
Meru Central	47.9	52.1	108,381				
Moyale	60.2	39.8	5,125	**Western**	**36.7**	**63.3**	**648,386**
Mwingi	52.6	47.4	35,640	Bungoma	47.3	52.7	167,032
Meru North	56.6	43.4	108,928	Busia	48	52	72,383
Tharaka	31.3	68.7	17,777	Mt. Elgon	38.7	61.3	23,976
Meru South	23.2	76.8	45,117	Kakamega	23.9	76.1	106,689
				Lugari	29.2	70.8	38,793
North Eastern	**40.2**	**59.8**	**50,967**	Teso	47.3	52.7	36,340
Garissa	26.9	73.1	12,532	Vihiga	27.4	72.6	103,576
Mandera	59.2	40.8	26,092	Butere/Mumias	32.6	67.4	99,596
Wajir	13.8	86.2	12,343				

Table 10.12: **Percentage distribution of Households by Main Source of Cooking Fuel and Region**

Region	Firewood	Grass	Paraffin	Electricity	Gas LPG	Charcoal	Biomass Residue	Biogas	Other	Total Count
Kenya	**68.3**	**0.1**	**13.2**	**0.6**	**3.5**	**13.3**	**0.3**	**0.0**	**0.6**	**6,866,374**
Rural	87.7	0.1	2.7	0.2	0.7	7.7	0.4	0.0	0.4	5,151,105
Urban	10.0	0.2	44.6	1.8	11.9	30.2	0.1	0.1	1.1	1,715,269
Nairobi	**1.8**	**0.1**	**63.5**	**3.0**	**20.2**	**10.5**	**0.1**		**0.8**	**695,054**
Central	**69.0**	**0.1**	**11.6**	**0.5**	**3.1**	**14.2**	**0.7**		**0.8**	**977,234**
Kiambu	47.5	0.7	13.2	1.1	5.8	27.2	3.2		1.2	180,936
Kirinyaga	82.2		5.6		1.5	10.4			0.2	128,349
Murang'a	90.2	0.1	5.8	0.5	1.1	2.3				93,190
Nyandarua	77.6		0.8		0.8	18.8			2.0	114,535
Nyeri	72.2		7.2	0.9	3.8	14.9	0.4		0.6	185,123
Thika	47.1		34.1	0.0	4.3	13.8			0.8	174,294
Maragua	93.4		3.4	0.5	1.6	0.9			0.2	100,806
Coast	**54.5**	**0.2**	**24.1**	**0.7**	**2.9**	**16.9**	**0.1**	**0.3**	**0.4**	**582,595**
Kilifi	73.6		13.9		2.9	9.3	0.4			106,394
Kwale	82.0		10.8			7.2				107,145
Lamu	74.7		5.3			18.8			1.2	15,980
Mombasa	8.8	0.4	53.6	1.7	4.7	30.0		0.5	0.2	192,228
Taita Taveta	75.2		6.8		1.8	14.0		0.5	1.6	65,231
Tana River	87.5	0.6	0.4			11.4				39,597
Malindi	68.9		10.4	1.8	6.4	11.4		0.4	0.7	56,021
Eastern	**87.4**	**0.1**	**3.8**	**0.1**	**1.0**	**6.8**	**0.0**		**0.7**	**1,050,468**
Embu	82.5		6.6	0.2	0.8	9.8	0.2			75,976
Isiolo	68.8					31.2				17,975
Kitui	93.1		1.5		0.3	5.1				110,750
Makueni	91.9		2.0	0.2	0.8	4.4			0.7	158,604
Machakos	81.6		5.8	0.2	2.5	8.6			1.2	215,817
Marsabit	92.6		1.4			5.6	0.1		0.2	27,303
Mbeere	91.0	0.6	2.4			5.9			0.1	40,541
Meru Central	86.1		4.5	0.2	0.8	6.8	0.1		1.4	128,484
Moyale	86.4					13.0			0.5	10,388
Mwingi	92.5		0.8		0.2	6.2			0.4	63,579
Meru North	87.5	0.6	6.5		0.4	4.8			0.2	124,872
Tharaka	96.6		0.7		1.2	0.8			0.8	21,887
Meru South	87.4		2.7		1.6	6.1			2.2	54,292
North Eastern	**90.2**	**0.4**	**0.6**	**0.1**		**8.2**			**0.4**	**179,523**
Garissa	80.9	0.7	1.2	0.2		15.9			1.0	69,500
Mandera	95.6	0.4	0.4			3.5			0.1	47,055
Wajir	96.5		0.2			3.3				62,968
Nyanza	**79.8**	**0.0**	**3.6**	**0.2**	**0.9**	**15.1**	**0.2**		**0.3**	**1,007,667**
Gucha	97.9		1.4		0.2	0.5				97,693
Homa Bay	84.6		1.3			13.2			0.9	67,042
Kisii	85.7	0.1	6.0	1.6	0.4	6.1				101,029
Kisumu	52.0		11.7	0.1	4.5	31.7			0.1	121,392
Kuria	84.8	0.6	3.3		1.3	10.1				35,715
Migori	69.9		2.2		0.5	27.4				111,694
Nyamira	84.4		2.6		0.8	12.0			0.1	110,875
Rachuonyo	86.9		2.4		0.7	9.0			1.0	72,370
Siaya	88.5		2.2	0.1	0.2	9.0			0.1	125,202
Suba	78.7		2.3			17.5			1.6	34,196
Bondo	85.5		0.9			13.4			0.2	58,715
Nyando	68.1		2.1		0.5	26.9	2.1		0.3	71,747
Rift Valley	**70.2**	**0.2**	**7.0**	**0.5**	**1.8**	**19.3**	**0.4**	**0.1**	**0.7**	**1,627,665**
Baringo	89.8		5.7	0.1	0.6	3.5	0.2			60,129
Bomet	96.7		0.4		0.0	2.7			0.1	75,291
Keiyo	82.5		3.0			13.6			0.9	35,344

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Table 10.12: **Contd...**

Region	Firewood	Grass	Paraffin	Electricity	Gas LPG	Charcoal	Biomass Residue	Biogas	Other	Total Count
Kajiado	38.5		28.2		5.0	26.5			1.8	102,295
Kericho	80.0		4.8		0.8	14.4				112,759
Koibatek	85.7	0.5	2.9		0.6	10.3				33,350
Laikipia	66.6		3.8		3.1	24.8	0.7		1.0	96,075
Marakwet	84.9	1.3	4.6		1.5	7.6				31,454
Nakuru	41.7	0.1	14.3	2.1	3.1	37.0			1.7	300,649
Nandi	87.4	0.7	1.3		0.1	9.9			0.7	136,756
Narok	74.6	1.0	2.0		1.1	19.9		1.4	0.1	75,829
Samburu	92.6					7.4				32,793
Trans Mara	92.1		0.5			6.1	0.1		1.1	32,638
Trans Nzoia	70.4		4.9	0.9	0.8	18.4	3.7		1.0	129,376
Turkana	86.0		1.8		0.4	11.7				82,556
Uasin Gishu	57.5		6.3		3.9	32.3				147,167
West Pokot	94.3		0.3	0.3		5.2				68,601
Buret	85.4		6.7		3.5	3.5			0.9	74,602
Western	**88.5**	**0.1**	**2.3**	**0.2**	**0.5**	**7.1**	**0.8**	**0.0**	**0.4**	**746,168**
Bungoma	89.9		2.2	0.1	0.1	7.6			0.1	185,213
Busia	88.5		1.5		0.2	9.8				84,538
Mt. Elgon	97.3		0.6		0.3	1.8				31,201
Kakamega	86.1	0.8	4.4		0.9	5.5	1.5		0.8	124,379
Lugari	86.0	0.3	0.6	0.2	0.1	1.2	9.1		2.6	45,179
Teso	87.2		2.3		0.7	9.8				41,636
Vihiga	84.8		3.0	0.1	0.8	10.5		0.1	0.6	120,653
Butere/Mumias	92.1		1.1	0.8	0.4	5.5				113,369

Table 10.13: **Percentage distribution of Households by Main Sources of Lighting Fuel.**

Region	Firewood	Grass	Paraffin	Electricity	Solar	Gas	Dry Cell (torch)	Candles	Total Count
Kenya	**4.5**	**0.1**	**76.4**	**15.6**	**1.6**	**0.2**	**1.1**	**0.3**	**6,867,580**
Rural	5.8	0.2	86.4	3.9	2.0	0.2	1.4	0.1	5,152,311
Urban	0.5	0.1	46.3	51.0	0.7	0.2	0.1	1.0	1,715,269
Nairobi			**28.9**	**68.2**	**0.8**	**0.4**		**1.7**	**696,259**
Central	**0.4**		**80.4**	**15.4**	**3.2**	**0.3**	**0.1**	**0.2**	**977,234**
Kiambu	0.6		61.8	33.7	2.5	1.0		0.5	180,936
Kirinyaga	0.0		88.2	8.3	3.5				128,349
Murang'a	0.6		89.9	7.9	1.6				93,190
Nyandarua	1.1		87.0	4.0	7.6			0.3	114,535
Nyeri	0.0		82.5	13.2	4.1				185,123
Thika	0.3		75.6	21.0	1.7	0.4	0.6	0.4	174,294
Maragua			91.7	5.7	2.0				100,806
Coast	**2.6**	**0.0**	**75.1**	**20.9**	**0.8**	**0.2**	**0.1**	**0.0**	**582,595**
Kilifi	2.4		87.1	9.3	1.1				106,394
Kwale	0.5		95.5	3.6			0.4		107,145
Lamu	4.9		75.8	16.7					15,980
Mombasa			51.5	47.9					192,228
Taita Taveta	1.1		86.1	7.8	3.8	1.1		0.2	65,231
Tana River	18.8	0.7	78.2	0.6	0.6	0.6	0.4		39,597
Malindi	5.1		79.0	14.1	1.7				56,021
Eastern	**4.2**	**0.2**	**86.4**	**4.8**	**3.0**	**0.1**	**0.7**	**0.2**	**1,050,468**
Embu	1.1		84.0	12.2	2.7				75,976
Isiolo	11.0		77.3	2.4	1.5		7.8		17,975
Kitui	3.4		93.4	1.4	0.8	0.1	0.9		110,750
Makueni	1.4		94.3	1.6	2.7				158,604
Machakos	1.2		88.1	5.3	3.5	0.4	0.4	0.3	215,817
Marsabit	57.2	0.4	27.5	3.6	0.8				27,303
Mbeere	4.7		91.3	1.7	1.6		0.7		40,541
Meru Central	2.0	1.1	76.8	12.6	6.6		0.6	0.2	128,484
Moyale	20.1	0.7	69.0	9.7	0.4				10,388
Mwingi	2.9		93.4	2.0	0.6		1.1		63,579
Meru North	4.3		90.4	2.7	0.6			1.0	124,872
Tharaka	4.1		84.7		4.5		6.4	0.3	21,887
Meru South	4.4	1.0	83.5	2.2	8.2		0.7		54,292
North Eastern	**19.1**		**43.6**	**3.7**			**33.2**	**0.4**	**179,523**
Garissa	5.3		81.7	6.4			5.5	1.1	69,500
Mandera	46.1		35.1	1.8			17.0		47,055
Wajir	14.3		7.8	2.2			75.8		62,968
Nyanza	**2.7**	**0.4**	**89.3**	**6.4**	**0.7**	**0.3**	**0.2**	**0.0**	**1,007,667**
Gucha	4.6	2.5	91.7	1.1					97,693
Homa Bay	2.0		93.0	3.3		0.6	1.1		67,042
Kisii	3.5	0.6	86.3	8.2	1.2	0.1			101,029
Kisumu	1.2		70.6	26.3	2.0				121,392
Kuria	4.0		93.3	1.6		1.1			35,715
Migori	1.7		95.2	2.5		0.7			111,694
Nyamira	6.6	1.2	80.9	10.1	0.6	0.7			110,875
Rachuonyo	2.4		97.1	0.5					72,370
Siaya	1.4		93.6	3.2	0.8		0.9		125,202
Suba	2.3		96.6	0.4		0.7			34,196
Bondo	2.1		94.5	0.1	3.1	0.1		0.1	58,715
Nyando			96.9	3.1					71,747
Rift Valley	**10.6**	**0.1**	**75.9**	**11.3**	**1.5**	**0.1**	**0.2**	**0.2**	**1,627,665**
Baringo	32.7		62.6	3.4	1.2				60,129
Bomet	0.0		94.7	3.1	2.1			0.1	75,291
Keiyo	2.2	0.1	86.6	10.3	0.8				35,344

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Table 10.13: **Contd...**

Region	Firewood	Grass	Paraffin	Electricity	Solar	Gas	Dry Cell (torch)	Candles	Total Count
Kajiado	3.7		70.8	23.9	0.9	0.1		0.6	102,295
Kericho	1.8		91.1	4.5	2.0	0.1			112,759
Koibatek	7.4		82.2	7.1	2.8			0.5	33,350
Laikipia	7.8		67.3	17.7	7.2				96,075
Marakwet	20.0		74.0	6.0					31,454
Nakuru	0.1		73.3	24.8	0.9			0.9	300,649
Nandi	0.5	1.0	94.4	2.3	1.7	0.1			136,756
Narok	10.6		83.8	1.7	3.1	0.8			75,829
Samburu	60.6		38.2		1.2				32,793
Trans Mara	5.5		93.3	0.7	0.5				32,638
Trans Nzoia	1.4	0.2	92.4	5.1	0.8				129,376
Turkana	69.6		23.7	3.1			3.6		82,556
Uasin Gishu	1.2		75.7	22.6	0.5	0.0			147,167
West Pokot	53.9	0.3	44.8	1.0					68,601
Buret	1.2		91.5	4.6	2.0	0.6		0.2	74,602
Western	**1.8**	**0.2**	**93.9**	**2.8**	**1.0**	**0.3**			**746,168**
Bungoma	0.0		98.1	1.2	0.7	0.1			185,213
Busia	7.8	0.7	87.9	0.7	1.7	1.2			84,538
Mt. Elgon	3.8		95.2	0.6		0.5			31,201
Kakamega	0.0	0.2	97.3	1.9		0.5			124,379
Lugari	0.0	1.1	94.0	1.8	3.1				45,179
Teso	3.1		91.2	5.3	0.4				41,636
Vihiga	1.5		88.7	8.3	1.5				120,653
Butere/Mumias	2.3		94.2	2.4	1.1				113,369

Other accounts for 0.1 percent of the total.

Table 10.14: **Percentage distribution of Households by type of Waste Disposal and Region**

Region	Collected by Local Authority	Collected by Private Firm	Garbage Pit	Burning	Public Garbage Heap	Farm Garden	Neighbourhood Community Group	Other	Total Count
Kenya	**2.9**	**4.7**	**22.4**	**16.2**	**9.4**	**40.7**	**1.6**	**2.0**	**6,867,363**
Rural	0.6	0.5	21.2	17.3	5.1	52.9	0.1	2.1	5,152,311
Urban	9.9	17.1	25.8	12.9	22.3	4.1	6.2	1.7	1,715,052
Nairobi	**6.6**	**36.1**	**10.3**	**2.5**	**27.4**	**1.6**	**14.2**	**1.4**	**695,054**
Central	**3.8**	**0.6**	**21.3**	**11.5**	**4.6**	**56.6**		**1.5**	**978,439**
Kiambu	2.6	0.7	29.1	25.9	12.1	29.6		0.1	182,142
Kirinyaga	1.2		24.2	9.5	4.7	60.4			128,349
Murang'a	2.5	0.2	17.7	11.9		60.4		7.3	93,190
Nyandarua			13.0	12.7	0.3	74.0			114,535
Nyeri	3.2	0.4	16.7	4.1	1.1	70.4		4.0	185,123
Thika	12.6	1.4	30.7	9.0	8.2	37.8		0.3	174,294
Maragua	1.0	1.5	8.4	4.0	0.4	84.8			100,806
Coastal	**4.7**	**4.4**	**15.6**	**30.0**	**11.0**	**31.0**	**1.0**	**2.3**	**582,595**
Kilifi	2.7	1.8	17.7	19.3	9.4	49.2			106,394
Kwale			8.0	19.5	5.9	65.5	0.4	0.7	107,145
Lamu			23.3	14.9	27.1	21.3		13.4	15,980
Mombasa	11.1	10.2	15.4	38.0	17.7	0.3	2.4	4.9	192,228
Taita Taveta	2.4	0.3	23.7	22.1	6.4	44.1		1.1	65,231
Tana River			15.5	73.1	3.8	7.2		0.4	39,597
Malindi	2.7	7.5	15.4	26.2	7.3	40.1	0.9		56,021
Eastern	**2.0**	**0.3**	**23.4**	**8.6**	**6.0**	**57.2**	**0.0**	**2.6**	**1,050,468**
Embu	0.2		36.2	4.0	2.7	56.1		0.9	75,976
Isiolo			24.6	34.4	19.2	4.4		17.4	17,975
Kitui		0.9	11.7	5.0	12.7	69.7			110,750
Makueni	2.9		29.0	14.1	2.5	50.9		0.7	158,604
Machakos	5.7	0.6	29.8	7.8	6.6	48.4	0.1	1.1	215,817
Marsabit	0.4		12.1	19.7	1.9	8.9		57.1	27,303
Mbeere	0.9		21.8	12.8	0.8	61.2		2.5	40,541
Meru Central	0.1		29.6	8.0	4.1	57.6		0.6	128,484
Moyale	0.8	0.4	12.2	25.0	27.1	31.5		2.9	10,388
Mwingi	0.8		9.3	14.4	15.8	59.1		0.6	63,579
Meru North	1.4	0.7	21.9	1.0	3.2	71.5		0.3	124,872
Tharaka	0.5		9.5	6.4	1.0	80.0		2.6	21,887
Meru South	0.7		6.9	2.7	3.5	84.9		1.2	54,292
North Eastern	**0.5**	**0.6**	**7.3**	**80.0**	**10.9**		**0.4**	**0.2**	**179,523**
Garissa		1.1	9.9	69.6	18.1		0.7	0.6	69,500
Mandera	0.5	0.8	12.2	82.2	3.9		0.4		47,055
Wajir	1.2		0.6	89.9	8.3				62,968
Nyanza	**0.6**	**1.0**	**21.6**	**10.1**	**6.8**	**59.1**	**0.4**	**0.5**	**1,007,451**
Gucha			5.3	2.5	5.0	86.4	0.1	0.7	97,693
Homa Bay	1.8		19.9	11.6	8.8	57.6		0.2	67,042
Kisii			8.9	0.3	3.7	84.2	0.1	2.8	101,029
Kisumu	1.1	1.4	45.4	24.3	2.2	24.7		0.9	121,392
Kuria			11.7	4.1	7.9	74.6	1.7		35,715
Migori		1.8	16.1	7.0	20.9	53.5	0.8		111,694
Nyamira	0.5	1.3	12.4	2.5	1.2	82.1			110,875
Rachuonyo	2.3	0.8	16.6	19.0	1.5	59.8			72,370
Siaya		0.1	37.3	4.6	8.8	49.2			125,202
Suba			14.2	9.4	10.2	58.8	5.0	2.4	34,196
Bondo			14.0	13.3	10.2	62.4	0.1		58,715
Nyando	1.4	6.3	37.5	26.2	3.1	25.1	0.4		71,531
Rift Valley	**3.8**	**1.3**	**24.0**	**28.2**	**9.5**	**28.9**	**0.2**	**4.1**	**1,627,665**
Baringo	0.8	0.2	12.8	29.8	4.5	42.7		9.2	60,129
Bomet	1.2	1.0	7.6	75.9	0.9	11.9		1.4	75,291

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Table 10.14: **Contd...**

Region	Collected by Local Authority	Collected by Private Firm	Garbage Pit	Burning	Public Garbage Heap	Farm Garden	Neighbourhood Community Group	Other	Total Count
Keiyo	0.6		28.4	26.5	0.9	39.3	1.8	2.5	35,344
Kajiado	2.4	1.4	28.9	56.5	9.4	0.8		0.8	102,295
Kericho	3.9	3.1	21.0	30.3	2.4	6.1	0.3	33.0	112,759
Koibatek	4.7	0.6	16.9	38.6	5.1	30.3		3.7	33,350
Laikipia	13.8		20.1	18.1	6.5	41.4			96,075
Marakwet	1.3		22.5	4.0	1.6	69.9		0.7	31,454
Nakuru	9.4	2.5	29.0	12.1	14.7	31.2	0.6	0.4	300,649
Nandi		1.0	35.9	13.6	1.9	46.3	0.9	0.5	136,756
Narok	0.1		7.9	5.9	41.6	42.1		2.4	75,829
Samburu			15.6	78.5	1.3	0.6		3.9	32,793
Trans Mara			2.4	2.2	19.5	71.3		4.6	32,638
Trans Nzoia	1.5	1.8	28.5	3.1	10.9	52.4		1.7	129,376
Turkana	0.2		6.2	91.4	2.2				82,556
Uasin Gishu	4.8	2.7	42.1	13.7	17.4	19.4			147,167
West Pokot	0.5		8.3	69.2	2.6	17.7		1.6	68,601
Buret	0.9	0.1	31.3	24.0	1.6	27.7		14.4	74,602
Western	**0.3**	**0.3**	**40.3**	**2.1**	**5.5**	**51.3**	**0.0**	**0.2**	**746,168**
Bungoma		0.1	38.7	1.4	7.4	52.1		0.2	185,213
Busia	0.2		38.3	1.2	3.2	56.6		0.6	84,538
Mt. Elgon	0.8		18.4	0.4	13.6	65.9		0.9	31,201
Kakamega	0.1		34.6	1.3	9.0	54.8		0.1	124,379
Lugari	0.2	1.0	28.6	10.8	4.7	54.5	0.1	0.1	45,179
Teso	0.4		38.2	2.8	2.5	55.6		0.6	41,636
Vihiga	1.1		54.2	0.8	1.2	42.7			120,653
Butere/Mumias		1.1	47.6	2.7	3.8	44.7			113,369

Table 10.15: **Percentage distribution of Renters by type of Landlords and Region**

Region	Government	Local Authority	Parastatal	Company	Individual	Other	Total Count
Kenya	**2.1**	**3.8**	**0.5**	**0.9**	**92.1**	**0.7**	**1,628,437**
Rural	2.9	0.4		1.6	93.7	1.4	338,688
Urban	1.8	4.6	0.6	0.7	91.6	0.5	1,289,750
Nairobi	**0.3**	**7.8**	**0.5**	**1.3**	**89.5**	**0.6**	**606,447**
Central	**2.5**	**5.5**	**0.2**	**1.7**	**88.2**	**1.8**	**183,334**
Kiambu	5.8	3.2	0.2	0.3	90.5		40,326
Kirinyaga			1.2		79.8	19.0	17,779
Murang'a					100.0		4,836
Nyandarua				5.6	94.4		16,401
Nyeri	0.8	3.2			96.0		29,520
Thika	3.0	11.3		3.0	82.7		69,907
Maragua					100.0		4,567
Coast	**2.8**		**0.3**	**0.6**	**95.6**	**0.8**	**167,440**
Kilifi				6.7	93.3		14,763
Kwale					100.0		11,228
Lamu					100.0		2,966
Mombasa	3.7		0.4		95.9		117,287
Taita Taveta					86.6	13.4	9,603
Tana River					100.0		1,543
Malindi	3.3				96.7		10,051
Eastern	**0.2**	**0.8**	**0.6**	**0.2**	**97.0**	**1.1**	**86,539**
Embu					100.0		12,396
Isiolo					100.0		3,346
Kitui			3.3		96.7		3,907
Makueni					100.0		8,078
Machakos	0.9	2.4	1.9	0.5	93.7	0.6	23,059
Marsabit					97.8	2.2	1,754
Mbeere					97.4	2.6	2,256
Meru Central		0.7			99.3		14,814
Moyale					100.0		835
Mwingi					93.5	6.5	4,060
Meru North				1.3	98.7		7,104
Tharaka					100.0		583
Meru South					88.8	11.2	4,348
North Eastern	**1.6**				**98.4**		**13,482**
Garissa	2.1				97.9		9,907
Mandera					100.0		2,059
Wajir					100.0		1,516
Nyanza	**1.2**		**2.1**	**0.3**	**95.4**	**1.0**	**163,336**
Gucha					100.0		1,999
Homa Bay	2.9				97.1		6,924
Kisii	0.7		0.7	0.8	95.3	2.6	12,706
Kisumu	2.0		6.6		91.4		45,875
Kuria					100.0		3,042
Migori			0.9		99.1		28,129
Nyamira	5.5				84.5	9.9	13,615
Rachuonyo					100.0		8,120
Siaya	0.5				99.5		14,388
Suba					100.0		7,261
Bondo					100.0		5,124
Nyando				2.4	97.6		16,153
Rift Valley	**5.6**	**0.8**	**0.1**	**0.6**	**92.8**	**0.2**	**356,915**
Baringo	1.5	7.3			91.3		4,789
Bomet		2.7			95.7	1.7	1,658
Keiyo					100.0		3,052
Kajiado	1.2				97.7	1.0	48,502

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Table 10.15: **Contd...**

Region	Government	Local Authority	Parastatal	Company	Individual	Other	Total Count
Kericho	3.9		1.3		93.4	1.4	10,420
Koibatek					100.0		4,868
Laikipia		15.1			84.9		16,736
Marakwet					99.2	0.8	3,036
Nakuru	12.2			1.0	86.8		153,908
Nandi					100.0		7,169
Narok					100.0		6,461
Samburu					100.0		870
Trans Mara					100.0		1,654
Trans Nzoia				1.0	99.0		21,906
Turkana				4.3	95.7		8,582
Uasin Gishu			0.1		99.9		56,248
West Pokot					100.0		3,715
Buret					100.0		3,341
Western	**0.3**			**0.3**	**99.4**		**50,945**
Bungoma					100.0		13,885
Busia					100.0		4,263
Mt. Elgon					100.0		923
Kakamega					100.0		10,255
Lugari					100.0		847
Teso					100.0		3,775
Vihiga	1.2				98.8		11,630
Butere/Mumias				2.9	97.1		5,369

Table 10.16: **Percentage distribution of Households by Time Taken to fetch Drinking Water**

Time in Minutes (One way)

Region	0	1-4	5-14	15-29	30-59	60+	Total Count
Kenya	**20.6**	**19.6**	**30.3**	**15.1**	**10.0**	**4.4**	**6,871,340**
Rural	13.8	16.4	32.6	18.8	12.7	5.8	5,155,921
Urban	40.8	29.4	23.5	4.0	1.9	0.4	1,715,419
Nairobi	**52.5**	**24.7**	**20.4**	**1.4**	**0.9**	**0.2**	**696,259**
Central	**35.9**	**17.4**	**24.5**	**15.7**	**5.4**	**1.0**	**979,645**
Kiambu	49.8	12.5	19.7	14.1	3.5	0.3	183,347
Kirinyaga	31.4	25.3	21.3	13.2	6.3	2.6	128,349
Murang'a	26.0	11.5	33.5	18.1	9.1	1.8	93,190
Nyandarua	33.4	19.7	31.4	8.3	6.2	1.0	114,535
Nyeri	40.7	16.7	18.9	17.2	4.7	1.7	185,123
Thika	37.8	14.5	25.4	18.5	3.8		174,294
Maragua	16.5	25.6	29.6	20.4	7.7	0.2	100,806
Coast	**19.1**	**28.6**	**31.0**	**11.9**	**6.9**	**2.5**	**582,595**
Kilifi	16.3	3.8	52.7	21.1	6.1		106,394
Kwale	6.2	42.9	23.9	12.3	12.2	2.4	107,145
Lamu	19.1	26.8	30.7	12.2	8.4	2.8	15,980
Mombasa	30.0	44.6	24.8	0.2		0.3	192,228
Taita Taveta	23.5	15.8	27.2	25.7	5.9	1.9	65,231
Tana River	2.3	30.9	27.8	15.7	13.5	9.7	39,597
Malindi	18.6	6.9	30.9	14.9	18.1	10.6	56,021
Eastern	**12.3**	**14.9**	**27.6**	**17.2**	**16.5**	**11.5**	**1,051,445**
Embu	14.2	43.0	25.3	8.1	6.9	2.6	75,976
Isiolo	18.2	14.0	39.1	9.8	6.2	12.7	17,975
Kitui	6.5	1.5	24.4	21.1	16.7	29.8	110,750
Makueni	3.8	11.4	33.7	22.0	20.2	8.8	158,604
Machakos	12.9	12.2	31.9	23.3	15.4	4.4	215,817
Marsabit	7.6	15.4	23.7	19.0	20.5	13.7	27,303
Mbeere	7.6	15.4	25.5	15.2	20.4	16.0	40,541
Meru Central	22.4	33.9	20.3	9.9	8.3	5.2	128,484
Moyale	15.7	3.4	27.0	19.5	24.1	10.3	10,388
Mwingi	3.1	0.6	21.0	14.6	37.7	23.0	63,579
Meru North	8.5	15.0	26.7	14.4	19.2	16.1	125,849
Tharaka	6.2	3.4	26.2	19.1	22.2	23.0	21,887
Meru South	45.1	1.7	30.9	11.2	7.1	4.0	54,292
North Eastern	2.4	15.9	52.2	16.9	4.5	8.0	179,523
Garissa	3.8	23.4	53.1	15.5	2.5	1.6	69,500
Mandera	3.3	2.9	34.8	17.2	13.6	28.1	47,055
Wajir	0.1	17.4	64.2	18.3			62,968
Nyanza	**10.2**	**19.0**	**35.5**	**18.5**	**13.8**	**2.9**	**1,007,818**
Gucha	4.4	14.4	34.9	13.9	28.2	4.2	97,693
Homa Bay	5.3	21.0	37.4	14.2	12.2	10.0	67,042
Kisii	9.6	5.9	47.6	25.1	11.7		101,128
Kisumu	21.7	26.0	29.4	11.3	9.8	1.7	121,392
Kuria	5.1	9.9	37.7	17.4	21.8	8.0	35,715
Migori	5.9	34.4	28.5	14.0	13.6	3.6	111,694
Nyamira	7.8	2.4	46.3	30.3	13.3		110,875
Rachuonyo	0.3	26.3	35.2	17.5	13.6	7.1	72,370
Siaya	14.8	20.6	35.8	19.7	8.3	0.8	125,202
Suba	10.2	17.0	26.9	24.5	19.7	1.7	34,196
Bondo	12.7	15.9	30.5	22.3	14.8	3.8	58,766
Nyando	17.6	29.1	29.3	14.5	8.4	1.1	71,747
Rift Valley	**19.4**	**19.8**	**28.5**	**14.5**	**11.3**	**6.6**	**1,627,887**
Baringo	11.3	5.3	21.6	15.2	18.3	28.2	60,129
Bomet	5.6	15.6	35.9	23.5	19.5		75,291
Keiyo	29.1	21.3	33.8	9.0	6.8		35,344
Kajiado	23.0	26.7	34.7	8.9	4.3	2.3	102,295

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Table 10.16: **Contd...**

Region	0	1- 4	5-14	15-29	30- 59	60+	Total Count
Kericho	54.9	9.7	13.2	10.6	9.8	1.7	112,759
Koibatek	29.8	3.7	26.5	20.2	12.4	7.4	33,350
Laikipia	41.1	12.9	20.3	11.4	9.8	4.6	96,075
Marakwet	15.1	13.0	32.0	25.8	14.2		31,454
Nakuru	13.3	35.3	29.0	10.4	5.9	6.1	300,649
Nandi	26.1	11.5	41.7	13.9	6.7		136,756
Narok	8.1	6.4	30.7	17.7	16.3	20.9	75,829
Samburu		12.4	33.7	21.5	27.8	4.6	32,793
Trans Mara	0.9	14.0	27.8	24.2	24.4	8.8	32,860
Trans Nzoia	10.8	17.0	36.4	22.6	11.8	1.3	129,376
Turkana	5.5	1.5	11.4	18.7	37.2	25.6	82,556
Uasin Gishu	8.9	52.1	25.2	5.5	2.4	5.9	147,167
West Pokot	6.2	9.6	32.2	22.9	16.6	12.4	68,601
Buret	48.9	3.5	25.8	15.6	6.2		74,602
Western	**4.5**	**18.7**	**42.2**	**22.8**	**10.8**	**1.0**	**746,168**
Bungoma	2.2	16.6	34.5	29.4	16.2	1.1	185,213
Busia	9.4	7.0	41.9	25.9	12.8	2.9	84,538
Mt. Elgon	5.2	24.1	33.3	18.7	15.6	3.1	31,201
Kakamega	2.9	20.3	55.6	13.5	7.7		124,379
Lugari	1.3	45.7	33.9	10.4	7.5	1.2	45,179
Teso	1.3	13.3	37.7	27.0	18.8	1.9	41,636
Vihiga	7.7	19.0	46.5	21.1	5.3	0.4	120,653
Butere/Mumias	5.2	18.3	43.1	26.3	7.1		113,369

Table 10.17: **Percentage distribution of Households by Location of Kitchen**

Region	Outdoor	Enclosed Detached	Enclosed Attached	Indoor without Partition	Indoor with Partition	Other	Total Count
Kenya	**15.5**	**36.0**	**10.4**	**28.1**	**9.4**	**0.6**	**6,859,101**
Rural	17.8	45.9	8.5	19.5	8.1	0.3	5,148,434
Urban	8.6	6.1	16.4	54.2	13.3	1.4	1,710,667
Nairobi	**2.0**	**4.2**	**16.5**	**62.7**	**13.3**	**1.3**	**688,915**
Central	**6.4**	**49.9**	**11.3**	**22.4**	**9.5**	**0.4**	**980,737**
Kiambu	5.3	40.1	13.0	24.6	17.0		184,682
Kirinyaga	20.5	53.0	9.3	14.1	2.1	1.0	128,349
Murang'a	4.9	56.2	15.3	21.2	2.4		93,190
Nyandarua	9.4	56.7	7.5	17.1	8.3	1.0	114,535
Nyeri	3.0	59.1	10.7	17.8	9.4		185,123
Thika	1.8	33.0	11.4	45.5	7.5	0.8	174,294
Maragua	2.7	63.1	11.9	4.9	17.2	0.2	100,564
Coastal	**15.8**	**17.2**	**14.8**	**39.1**	**12.6**	**0.5**	**581,629**
Kilifi	5.8	6.8	8.2	61.3	17.8		105,557
Kwale	19.9	19.1	18.6	23.8	18.7		107,145
Lamu	6.4	35.6	29.3	22.6	6.1		15,980
Mombasa	27.4	5.5	16.7	42.1	6.9	1.4	192,228
Taita Taveta	0.5	41.3	8.1	39.0	10.7	0.5	65,369
Tana River	18.7	46.2	24.0	8.3	2.9		39,679
Malindi	5.2	18.7	10.6	43.4	22.1		55,672
Eastern	**12.2**	**62.1**	**7.6**	**14.1**	**3.5**	**0.6**	**1,046,956**
Embu	47.7	26.3	6.4	15.6	3.9	0.2	75,849
Isiolo	11.6	46.6	9.6	29.6	2.6		18,076
Kitui	5.6	81.7	2.4	6.9	3.5		112,066
Makueni	5.7	74.7	5.4	9.9	3.5	0.8	158,604
Machakos	4.6	65.7	10.0	15.6	3.9	0.1	215,817
Marsabit	19.3	5.0	4.5	64.6	5.4	1.3	27,132
Mbeere	40.8	36.9	4.6	14.1	2.7	0.9	40,541
Meru Central	6.0	61.9	12.9	12.0	5.7	1.5	125,265
Moyale	15.1	62.2	1.1	21.1		0.6	10,288
Mwingi	10.1	79.4	3.1	6.6	0.4	0.4	63,579
Meru North	9.2	58.4	9.3	21.1	1.6	0.3	123,154
Tharaka	38.8	52.1	5.1	2.6	0.6	0.8	21,812
Meru South	12.3	65.2	10.3	3.8	6.6	1.9	54,773
North Eastern	**96.8**	**2.5**	**0.4**	**0.1**	**0.0**	**0.1**	**180,262**
Garissa	98.0	1.2	0.2	0.3		0.2	69,500
Mandera	90.9	7.9	1.2				47,055
Wajir	99.8				0.1	0.1	63,707
Nyanza	**17.9**	**37.5**	**9.8**	**20.2**	**14.4**	**0.3**	**1,005,956**
Gucha	30.6	36.0	9.6	14.3	9.4		97,108
Homa Bay	25.1	41.9	6.9	18.1	6.5	1.6	67,042
Kisii	11.9	36.1	8.3	22.3	21.4		101,128
Kisumu	13.4	17.4	19.6	25.4	23.7	0.4	121,392
Kuria	19.7	33.0	16.5	23.8	7.0		35,513
Migori	20.5	32.8	12.0	18.6	15.8	0.3	111,694
Nyamira	8.6	41.5	16.2	17.2	16.6		110,059
Rachuonyo	17.9	40.6	3.1	28.1	10.2		72,370
Siaya	12.9	57.7	3.3	18.7	7.4	0.1	125,202
Suba	39.2	33.4	1.5	18.6	7.0	0.2	33,948
Bondo	23.8	47.4	3.6	19.1	6.0	0.1	58,754
Nyando	13.7	29.8	8.4	19.3	27.7	1.1	71,747
Rift Valley	**19.8**	**26.0**	**9.4**	**36.0**	**8.1**	**0.8**	**1,626,484**
Baringo	10.7	46.0	1.5	37.1	3.2	1.6	59,648
Bomet	35.0	19.7	1.6	28.0	15.6	0.1	75,291
Keiyo	55.3	6.9	1.7	27.0	8.1	0.9	35,344

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Table 10.17: **Contd...**

Region	Outdoor	Enclosed Detached	Enclosed Attached	Indoor without Partition	Indoor with Partition	Other	Total Count
Kajiado	4.6	15.3	12.8	62.1	2.7	2.4	101,691
Kericho	19.8	9.3	8.8	47.7	14.4		112,759
Koibatek	41.0	34.0	2.3	17.1	5.4		33,350
Laikipia	6.2	40.7	16.0	29.6	6.4	1.1	96,075
Marakwet	2.8	41.2	5.1	43.5	7.5		31,454
Nakuru	21.0	16.7	15.9	35.3	10.0	1.1	299,300
Nandi	35.0	33.4	7.2	18.0	6.2	0.1	136,756
Narok	8.7	13.8	0.6	61.6	15.2		77,209
Samburu	1.8	9.7	2.6	82.5	3.4		32,564
Trans Mara	2.8	4.2	0.7	79.4	12.7	0.2	32,535
Trans zoia	4.8	50.7	15.7	23.7	2.7	2.4	129,376
Turkana	63.3	14.7	12.8	8.8	0.4		82,869
Uasin Gishu	9.8	42.3	7.7	30.1	10.1		147,059
West Pokot	17.7	24.6	3.6	51.3	1.3	1.5	68,601
Buret	24.3	28.0	7.4	26.3	13.9	0.1	74,602
Western	**12.0**	**52.5**	**10.2**	**15.1**	**10.0**	**0.2**	**748,162**
Bungoma	17.6	55.0	2.5	16.7	8.1	0.1	187,085
Busia	48.3	37.0	0.2	10.0	4.6		84,538
Mt. Elgon	8.3	54.7	11.7	24.0	0.2	1.0	30,908
Kakamega	1.1	52.3	15.3	21.3	9.4	0.6	124,379
Lugari	3.6	69.2	15.4	7.4	4.4		45,113
Teso	12.9	71.1	3.7	11.6	0.7		42,117
Vihiga	0.9	42.8	26.0	7.1	23.3		120,653
Butere/Mumias	3.6	56.6	7.8	20.0	11.9	0.1	113,369

Table 10.18: **Proportion of Households with Chimney in the Kitchen**

Region	Percent	Total Count	Region	Percent	Total Count
Kenya	**8.0**	**6,859,101**	**Nyanza**	**6.0**	**1,005,956**
			Gucha	3.3	97,108
Rural	6.5	5,148,434	Homa Bay	2.0	67,042
Urban	12.5	1,710,667	Kisii	3.9	101,128
			Kisumu	17.6	121,392
Nairobi	**13.0**	**688,915**	Kuria	2.9	35,513
			Migori	9.2	111,694
Central	**9.7**	**980,737**	Nyamira	9.6	110,059
Kiambu	11.8	184,682	Rachuonyo	2.4	72,370
Kirinyaga	6.2	128,349	Siaya	2.2	125,202
Murang'a	7.9	93,190	Suba	2.1	33,948
Nyandarua	8.3	114,535	Bondo	2.3	58,754
Nyeri	14.2	185,123	Nyando	3.2	71,747
Thika	7.6	174,294			
Maragua	9.4	100,564	**Rift Valley**	**11.2**	**1,626,484**
			Baringo	3.2	59,648
Coastal	**4.1**	**581,629**	Bomet	4.4	75,291
Kilifi	1.2	105,557	Keiyo	4.4	35,344
Kwale	1.1	107,145	Kajiado	4.1	101,691
Lamu	1.3	15,980	Kericho	52.2	112,759
Mombasa	10.8	192,228	Koibatek	2.0	33,350
Taita Taveta	0.0	65,369	Laikipia	12.5	96,075
Tana River	0.0	39,679	Marakwet	1.1	31,454
Malindi	0.5	55,672	Nakuru	14.5	299,300
			Nandi	6.6	136,756
Eastern	**7.6**	**1,046,956**	Narok	5.6	77,209
Embu	7.7	75,849	Samburu	0.6	32,564
Isiolo	0.4	18,076	Trans Mara		32,535
Kitui	4.9	112,066	Trans zoia	2.6	129,376
Makueni	2.6	158,604	Turkana	0.4	82,869
Machakos	10.3	215,817	Uasin Gishu	9.9	147,059
Marsabit	0.9	27,132	West Pokot		68,601
Mbeere	7.1	40,541	Buret	32.2	74,602
Meru Central	18.0	125,265			
Moyale	0.0	10,288	**Western**	**2.3**	**748,162**
Mwingi	3.5	63,579	Bungoma	1.3	187,085
Meru North	3.5	123,154	Busia	0.3	84,538
Tharaka	1.7	21,812	Mt. Elgon		30,908
Meru South	16.5	54,773	Kakamega	2.4	124,379
			Lugari	3.5	45,113
North Eastern	**1.5**	**180,262**	Teso	2.0	42,117
Garissa	3.4	69,500	Vihiga	4.9	120,653
Mandera	0.4	47,055	Butere/Mumias	2.9	113,369
Wajir	0.1	63,707			

Table 10.19: **Percentage distribution of Households by Primary type of Cooking Appliance**

Region	Traditional Stone Fire	Improved Traditional Stone Fire	Ordinary Jiko	Improved Jiko	Kerosene Stove	Gas Cooker	Electric Cooker	Other	Total Count
Kenya	**60.8**	**8.4**	**7.1**	**6.5**	**12.8**	**3.4**	**0.4**	**0.6**	**6,859,101**
Rural	78.0	10.9	4.0	3.9	2.3	0.6	0.2	0.3	5,148,434
Urban	9.1	1.0	16.6	14.3	44.7	11.7	1.2	1.3	1,710,667
Nairobi	**1.5**	**0.2**	**4.8**	**5.2**	**65.3**	**19.6**	**2.0**	**1.4**	**688,915**
Central	**63.5**	**7.5**	**5.6**	**7.8**	**11.7**	**2.8**	**0.2**	**1.0**	**980,737**
Kiambu	48.9	2.1	4.5	24.8	12.6	4.8		2.3	184,682
Kirinyaga	74.0	8.5	4.7	4.2	7.0	1.5		0.1	128,349
Murang'a	82.3	8.4	2.0	0.3	5.3	1.7			93,190
Nyandarua	71.2	11.4	8.2	4.5	2.4	0.8		1.4	114,535
Nyeri	62.8	10.7	9.2	5.8	7.2	2.8	0.9	0.6	185,123
Thika	45.6	3.2	6.5	5.4	33.8	4.3		1.2	174,294
Maragua	82.6	12.4	0.7		2.8	1.1	0.2	0.2	100,564
Coast	**53.2**	**2.6**	**11.2**	**6.0**	**22.9**	**3.0**	**0.6**	**0.4**	**581,629**
Kilifi	73.9	1.7	9.4	0.6	11.6	2.8			105,557
Kwale	83.1	0.9	4.1	2.2	9.2			0.5	107,145
Lamu	71.8	0.8	6.4	14.5	5.3			1.2	15,980
Mombasa	9.8		17.9	13.2	52.3	5.1	1.4	0.2	192,228
Taita Taveta	58.7	17.3	13.0	0.5	7.7	1.8		1.2	65,369
Tana River	87.2	2.7	2.8	7.2					39,679
Malindi	70.4		10.8	1.6	8.9	6.4	1.6	0.4	55,672
Eastern	**79.4**	**8.1**	**4.5**	**2.9**	**3.6**	**0.8**	**0.1**	**0.6**	**1,046,956**
Embu	68.8	12.5	5.1	7.1	5.6	0.8		0.2	75,849
Isiolo	68.8	1.2	16.1	13.9					18,076
Kitui	88.1	5.1	3.9	1.4	1.4	0.1			112,066
Makueni	85.0	7.0	3.0	1.7	2.2	0.1		1.0	158,604
Machakos	77.7	4.0	5.9	3.4	6.0	2.6	0.2	0.2	215,817
Marsabit	91.1	1.7	2.2	3.2	1.6			0.2	27,132
Mbeere	86.7	5.1	2.7	3.6	1.6			0.1	40,541
Meru Central	62.4	21.5	4.0	5.1	4.2	0.8	0.2	1.6	125,265
Moyale	88.0		11.5					0.6	10,288
Mwingi	90.4	2.0	2.8	2.6	1.5	0.2		0.4	63,579
Meru North	80.0	8.8	4.9	0.1	5.5	0.3		0.4	123,154
Tharaka	96.0	0.6	1.3	0.2	1.0	0.7		0.4	21,812
Meru South	75.7	14.0	3.4	1.5	2.7	0.9		1.9	54,773
North Eastern	**89.2**	**2.3**	**3.2**	**4.7**	**0.2**			**0.4**	**180,262**
Garissa	78.5	4.2	6.2	9.6	0.6			0.9	69,500
Mandera	95.1	1.7	1.3	1.9					47,055
Wajir	96.6	0.6	1.3	1.4					63,707
Nyanza	**76.0**	**3.7**	**7.3**	**8.8**	**2.9**	**0.9**	**0.2**	**0.2**	**1,005,956**
Gucha	83.1	14.4	1.0	0.7	0.7	0.1			97,108
Homa Bay	81.8	2.5	6.5	6.9	1.3			0.9	67,042
Kisii	86.8		2.2	4.2	4.9	0.4	1.5		101,128
Kisumu	47.8	1.9	12.6	20.6	10.8	6.0	0.1	0.1	121,392
Kuria	81.5	6.0	2.4	9.8	0.3				35,513
Migori	69.1	0.7	16.2	11.5	2.0	0.5			111,694
Nyamira	81.5	5.8	2.0	8.6	1.8	0.3			110,059
Rachuonyo	84.3	2.5	9.3	3.1	0.9				72,370
Siaya	86.2	0.6	6.2	4.5	2.1	0.2	0.1	0.1	125,202
Suba	75.5	4.0	6.3	12.6	1.6				33,948
Bondo	78.6	5.1	11.1	4.2	0.8			0.2	58,754
Nyando	64.6	4.8	8.6	18.7	1.6	0.5		1.1	71,747
Rift Valley	**49.7**	**21.4**	**11.5**	**8.6**	**6.2**	**1.8**	**0.4**	**0.4**	**1,626,484**
Baringo	87.3	3.3	2.5	1.0	5.2	0.6	0.1		59,648
Bomet	47.5	48.7	2.3	1.0	0.4	0.0		0.1	75,291

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Table 10.19: **Contd...**

Region	Traditional Stone Fire	Improved Traditional Stone Fire	Ordinary Jiko	Improved Jiko	Kerosene Stove	Gas Cooker	Electric Cooker	Other	Total Count
Keiyo	62.1	20.1	12.5	1.3	3.1			0.9	35,344
Kajiado	38.1	1.9	11.8	20.0	21.4	4.4		2.4	101,691
Kericho	23.5	51.6	12.5	7.4	4.7	0.4			112,759
Koibatek	77.1	10.5	10.2	0.6	1.6				33,350
Laikipia	65.2	3.8	21.7	1.4	3.7	3.1		1.1	96,075
Marakwet	57.4	29.8	2.7	4.6	2.6	2.8			31,454
Nakuru	38.1	5.0	21.7	16.2	13.6	3.1	2.1	0.4	299,300
Nandi	56.5	33.1	3.6	5.4	1.3	0.1			136,756
Narok	19.6	58.6	11.0	9.1	0.5	1.2		0.1	77,209
Samburu	91.8		6.9	1.4					32,564
Trans Mara	4.5	90.8	2.2	1.8	0.5			0.2	32,535
Trans zoia	74.0	0.3	8.7	10.5	4.7	0.6		1.1	129,376
Turkana	85.9		11.0	0.9	1.8	0.4			82,869
Uasin Gishu	23.1	33.9	17.1	15.5	6.4	3.9		0.1	147,059
West Pokot	81.4	12.4	0.6	5.2	0.3				68,601
Buret	43.7	43.2	1.9	2.5	5.0	3.5		0.2	74,602
Western	**88.6**	**1.5**	**2.9**	**4.2**	**2.0**	**0.5**	**0.2**	**0.1**	**748,162**
Bungoma	87.9	2.9	2.1	5.0	1.9	0.1	0.1		187,085
Busia	90.0	2.4	2.2	4.7	0.6				84,538
Mt. Elgon	96.1	1.5	0.6	1.3	0.4	0.1			30,908
Kakamega	87.8		2.8	2.8	4.6	1.2		0.8	124,379
Lugari	97.4	0.1	1.1	0.4	0.9	0.1			45,113
Teso	85.3	2.6	0.7	8.9	1.9	0.6			42,117
Vihiga	83.1	1.0	6.3	6.0	2.4	1.1	0.1		120,653
Butere/Mumias	91.0	1.0	3.3	2.3	1.0	0.5	0.8		113,369

Chapter 11 | Community Perspectives

11.0 Introduction

The KIHBS administered a community questionnaire to a group of knowledgeable residents in each cluster. The group members were randomly selected from diverse fields such as village headman, headmaster of a local school, agricultural field assistant, religious leaders, local merchants, health workers or other knowledgeable residents. They were organized into a focused group and requested to discuss and give responses that were representative of the community.

A minimum of five respondents constituted a reasonable focused group that discussed several community issues and reached consensus that represented the community. The tabulation of the responses from the semi-structured questionnaire was analysed and the following sections summarises the results of the analysis from the community responses.

11.1 Distance to the nearest public primary school

Table 11.1 presents the tabulation of the community responses to this issue. Overall, 25.9 per cent reported the nearest public primary school to be within one kilometre or less, while only 51.4 per cent are located 5 or more kilometres away from such a school. These national averages mask huge rural and urban variations. On average, while 38.0 per cent of urban pupils travel 5 or more kilometres to the nearest public primary school, 55.6 per cent of their rural counterparts travel for 5 or more kilometres.

11.2 Distance to the nearest public secondary school

On average 19.3 per cent of Kenyans have a public secondary school within a distance of one kilometre or less, while 49.0 per cent travel for 5 or more kilometres. From Table 11.2, the proportion that travels 5 or more kilometres to reach a public secondary school is 55.1 per cent in rural areas and 29.3 per cent in urban areas. Among the provinces, the most disadvantaged in terms of long distances to the nearest public secondary school are concentrated in North Eastern, Coast, Eastern and Rift Valley Provinces. These regional averages conceal huge district variations.

11.3 Distance to nearest health facility

Nationally, only 11.3 per cent of Kenyans travel one kilometre or less to reach a health facility, while about a half (47.7%) travel for 5 kilometres or more. This national average conceals huge urban and rural differences. For instance, Table 11.3 shows that while only 7.4 per cent of rural dwellers travel for one kilometre or less to reach a health facility, this proportion is 48.5 per cent for the urban residents. In addition, more than a half of rural dwellers travel 5 or more kilometres to reach a health facility, while only 11.9 per cent of urban dwellers travel similar distances.

11.4 Access to markets, economic and employment activities

Households with limited access to markets are expected to have lower welfare than their counterparts. The link between households and markets can be measured through distance to particular markets and the number of markets and related institutions such as the nearest district headquarters and municipalities.

Economic activities

Nationally, 71.1 per cent of Kenyans are engaged in agriculture and forestry as their main economic activities. Among the rural people this proportion is 88.2 per cent, while in urban it is 17.1 per cent. Majority of urban dwellers are engaged in wholesale/retail trade activities (46.8%), while only 3.0 per cent of rural residents are in this same economic activity. Table 11.4 presents this tabulation by district.

Employment activities

Focused groups also discussed the availability of employment opportunities where the following question was posed: *Compared to five years ago have conditions in your community for employment opportunities become much better, better, about the same, worse or much worse?* Table 11.5 indicates that nationally, the status of employment opportunities was reported to have become much worse by 46.9 per cent of the people while 38.0 per cent reported

it to be worse. In urban areas 67.3 per cent reported that the situation of employment opportunities had become much worse compared to 40.0 per cent of rural residents.

Distance to nearest financial institution

The analysis of distance to nearest financial institution in Kenya indicates that only about one in ten persons (8.3%) travel one kilometre or less to the nearest financial institution, while about 7 in 10 people travel 5 kilometres or more to reach a financial institution. In terms of the rural and urban dichotomy, Table 11.6 shows that more rural dwellers (86.7%) are at a relative disadvantage compared to their urban counterparts (28.7%) in terms of physical access to a financial institution.

Distance to the nearest daily market

Overall, over three-quarters of Kenyans (77.9%) travel 5 or more kilometres to reach their nearest daily market, while only 5.1 per cent travel one kilometre or less to reach their daily markets. Table 11.7 further shows that more rural dwellers (81.1%) compared to urban residents (67.5%) travel over 5 kilometres to reach their daily markets.

Distance to nearest district headquarters

Overall, 47.6 per cent of Kenyans are located one kilometre or less from nearest district headquarters. Table 11.8 also shows that 48.8 per cent of Kenyans are located 5 or more kilometres from the nearest district headquarters. The table also shows rural and urban differentials as well as the regional variations.

11.5 Distance to the nearest telephone facility

The distribution of population by distance to the nearest telephone facility is presented in Table 11.9. Overall, only 10.3 per cent of Kenyans have access to a telephone facility within a distance of one kilometre or less, while 59.7 per cent have to travel 5 or more kilometres to reach a telephone facility. There are large variations between regions; for example, while about 6 in 10 people in urban areas have a telephone facility within one kilometre or less the corresponding proportion in rural areas is about one in 10. In terms of relative disadvantage, 62.1 per cent of rural people compared to 12.3 per cent of urban people travel 5 or more kilometres to make a call.

11.6 Distance to the nearest post office

Table 11.10 presents the distribution of the population by distance to the nearest post office. From the table there are huge spatial variations in distances to nearest post office that are covered by various communities. Overall, only 7.0 per cent of Kenyans travel one kilometre or less to reach the nearest post office, while a higher proportion (72.2%) has to cover 5 or more kilometres to access post office services.

The tabulation of this measure by place of residence indicates that, while 17.2 per cent of urban dwellers have post office services within one kilometre or less, only 3.8 per cent of rural people have access to the services within the same distance. Majority (80.4%) of rural people have to travel 5 kilometres or more to access post office services.

11.7 Road infrastructure

Development of roads improves welfare through increased access to markets and other basic services. Transport and telecommunication systems are also important determinants of the physical costs of accessing markets. Poor infrastructure network restricts the development of input and product markets.

Distance to the nearest bus stage

Overall, Table 11.11 shows that only 15.0 per cent of Kenyans have a bus stage within one kilometre or less, while 46.4 per cent have to travel distances of 5 kilometres or more to reach a bus stage. In comparison, 52.5 per cent of rural residents compared to 7.6 per of urban dwellers travel 5 kilometres or more to the nearest bus stage.

Distance to the nearest tarmac/asphalt road

Nationally, close to a fifth of Kenyans have a bitumen road located one kilometre or less, while 65.8 per cent Kenyans can reach a tarmac road after travelling for 5 or more kilometres (see Table 11.12).

The analysis by place of residence shows that rural dwellers are at a relative disadvantage as only 8.2 per cent compared to 42.8 per cent in urban areas are within a kilometre or less of tarmac road.

11.8 Law, order and governance

Good governance leads to improved welfare in a society. Primarily, community participation in decision-making ensures that local basic needs are taken into account, while adequate security is a pre-requisite for investment. The KIHBS community questionnaire engaged groups of knowledgeable people to discuss prevalence of robberies, access to police services, insecurity and corruption involving public servants. Tables 11.13, 11.14, 11.15 and 11.16 tabulate the responses of community focused group discussions.

Corruption

Corruption in the public service is the *use of public office for personal gain, usually involving bribery.* Greater transparency as a result of the recently introduced public officer ethics legislation and the introduction of modern accounting and auditing practice have all helped to create an environment in the public sector in which corrupt practices are unlikely to take place.

Community focused groups discussed the issue of corruption involving public officials by posing the following question: *Compared to five years ago has corruption involving public officials in your community become much better, better, about the same, worse, much worse?* Table 11.13 presents the analysed group responses.

Nationally, while 36.2 per cent communities concurred that corruption involving public servants was much better or better now than five years ago, 47.4 per cent felt it was worse or much worse. There are no major variations between rural and urban areas.

Access to police services

Discussion groups talked about the availability of police services in their respective communities. The following question was posed: *Compared to five years ago have police services in your community become much better, better, about the same, worse, much worse?* Table 11.14 presents the group responses to this issue. Nationally, 42.1 per cent were of the opinion that police services in their communities were better or much better now compared to five years ago, while 39.9 per cent felt that police services were worse or much worse now than five years ago. In the urban areas, the proportion that felt that police services were better or much better was 46.0 per cent, while in rural areas this proportion was 40.8 per cent.

Robbery

Community groups discussed the situation of robberies within their communities using the following question: *Compared to five years ago have robberies in your community become better, about the same, worse, much worse?* Table 11.15 presents the analysis of group responses to this issue. Overall, half of Kenyans felt that robberies in their communities had become worse or much worse and this proportion was higher in urban areas at 65.1 per cent and lower in rural at 45.0 per cent. The proportion of those who felt that community robberies were fewer was 33.3 per cent overall. In urban areas, the proportion of people that felt that state of robberies had reduced was 26.9 per cent and this could be compared with 35.4 per cent in rural areas.

Security

Focused groups discussed the issue of security while in their own houses by being asked: How safe do people feel in their own houses? The responses were pre-coded into three categories: very safe, fairly safe and unsafe. Table 11.16 presents the summarised analysis of the group responses. Nationally, only 17.6 per cent felt that they were unsafe in their own houses, while 35.4 per cent felt that they were very safe in their own houses. In terms of place of residence, more rural residents (39.4%) than urban residents (22.8%) felt that they were very safe in their own houses. There are major variations across districts and provinces as can be observed from Table 11.16.

Steps taken to curb insecurity

Community representatives were asked to discuss the steps taken to protect themselves against crime in the past year: *What steps have households taken to protect themselves from crime in the past year?* Responses to this issue are given in Table 11.17. Overall, a third of Kenyans (33.2%) introduced community policing, 19.8 per cent took no step, 19.0 per cent relied on neighbourhood watch, while 13.6 per cent improved house security by adding iron bars, walls or fences. There are major urban and rural variations in steps taken to improve security as can be observed in Table 11.17.

11.9 Social and basic services

The level of access to social services is a determinant of the quality of life that members of a society enjoy. Social services include education, health, water and sanitation. Education contributes to the process of molding attitudinal skills and developing technical skills, and also facilitates the adoption and modification of technology.

An unhealthy population cannot participate effectively in employment and other production activities. Access to health facilities and medication is therefore a crucial determinant of household welfare, while limited access to basic services such as drinking water, safe sanitation and non-farm credit is an impediment to poverty reduction initiatives.

Source of drinking water

Overall, 33.8 per cent of Kenyans have their main source of drinking water from unsafe sources (pond, dam, lake, stream/river) while 64.6 per cent depended on safe water sources (, spring, well, borehole, piped, jabias/tank) for drinking water. There are huge variations between rural and urban dwellers. While only 6.8 per cent of urban residents are dependent on unsafe water sources, 42.3 per cent of their rural counterparts are dependent on unsafe water sources. Over 80 per cent of people in West Pokot, Marakwet, Bomet, Rachuonyo and Mwingi Districts depend on sources of drinking water that are considered unsafe (see Table 11.18).

Water availability from protected sources

Focused groups discussed the availability of water from protected sources. They were asked the following question: *Compared to five years ago has the availability of water from protected sources in your community become much better, better, about the same, worse or much worse?* Table 11.19 presents the summary of the group discussions. Overall, 37.5 per cent of the groups confirmed that availability of water from protected sources had become much better or better, while 30.9 per cent felt that these sources had become worse or much worse. Close to a third of the groups felt that availability of water from protected sources was about the same now compared to five years ago.

Access to non-farm credit

Focused community groups discussed the issue of access to non-farm business credit. The following question was posed: *Compared to five years ago has the access to non-farm business credit in your community become much better, better, about the same, worse or much worse?* Table 11.20 presents the analysis of the group responses. Nationally, 33.1 per cent discussed and reached a consensus that access to non-farm business credit was much better or better now than five years ago, while 41.9 per cent felt that access to such a facility was worse or much worse now compared to five years ago.

11.10 Knowledge and prevention of HIV/ AIDS and Malaria

Tables 11.21 and 11.22 summarises the focused group discussions on knowledge of prevention/treatment of HIV/AIDS and malaria. Various opinions were expressed by community groups on knowledge of prevention and treatment.

HIV/AIDS infection

Focused groups discussed general knowledge on avoiding HIV infection in the community. The following question was asked: *Compared to five years ago has knowledge on avoiding HIV infection in your community become much better, better, about the same, worse, much worse?* Overall, 84.7 per cent reported that the general knowledge on avoiding HIV infection was much better or better now than five years ago as indicated in Table 11.21. The corresponding proportions for the urban and rural are 87.2 per cent and 84.0 per cent respectively.

Malaria prevention and treatment

Community focused groups discussed general knowledge of prevention/treatment of malaria in the community. The following question was asked: *Compared to five years ago has knowledge on prevention/ treatment of malaria in your community become much better, better, about the same, worse, much worse?* Table 11.22 presents the analysis on of the responses by place of residence (urban or rural), district and province. Nationally, 80.2 per cent of the people reported that the knowledge on prevention/treatment of malaria in their community was much better or better now compared to five years ago. In the urban areas this proportion is 77.9 per cent, while in rural areas it is 81.0 per cent. There are significant disparities in knowledge across the districts and provinces.

Table 11.1: **Percentage distribution of Communities by distance to the nearest Public Primary School**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Kenya	**13.4**	**12.5**	**13.1**	**9.6**	**51.4**	**669,998**
Rural	9.3	11.9	12.5	10.7	55.6	510,384
Urban	26.4	14.5	15.0	6.0	38.0	159,614
Nairobi	**30.7**	**8.6**	**21.1**	**8.1**	**31.5**	**55,962**
Central	**10.2**	**9.2**	**25.2**	**14.1**	**41.2**	**97,275**
Kiambu	0.5	0.5	57.3	35.3	6.5	18,473
Kirinyaga	10.3	9.0	24.9		55.8	12,159
Murang'a	7.0	12.0	5.9	6.2	68.9	9,660
Nyandarua	2.6	9.8	46.4	8.7	32.5	11,454
Nyeri	23.4	31.2	13.5	19.8	12.2	17,665
Thika	19.3		10.7	6.0	64.0	17,784
Maragua			7.6	10.9	81.6	10,081
Coast	**9.6**	**8.1**	**7.5**	**2.1**	**72.7**	**60,321**
Kilifi	2.7	13.7	9.4	9.2	64.9	10,793
Kwale	7.2		4.0		88.8	10,752
Lamu	7.6		6.8	0.9	84.6	1,598
Mombasa	14.3	3.2			82.6	20,854
Taita Taveta	11.8	15.0	26.3		47.0	6,712
Tana River		33.9	16.2	2.1	47.9	3,943
Malindi	14.4	6.7	10.0	3.6	65.3	5,669
Eastern	**7.2**	**16.5**	**7.7**	**11.5**	**57.0**	**103,043**
Embu	1.8	8.7	2.2	10.5	76.9	7,658
Isiolo		36.3	39.0		24.7	1,584
Kitui	37.1	44.6	6.0	10.8	1.4	11,220
Makueni	2.3	2.1	9.0	15.9	70.7	15,263
Machakos	2.4	8.9	5.9	21.9	60.8	21,582
Marsabit		7.9			92.1	2,605
Mbeere			3.8		96.2	4,112
Meru Central	15.4	12.7	9.9	1.7	60.3	11,396
Moyale	14.4	4.4	3.5	4.2	73.5	1,045
Mwingi	5.6	51.3	12.0	31.1		6,382
Meru North		20.4	12.7		66.9	12,453
Tharaka		0.5	5.6		93.9	2,207
Meru South		18.6		8.8	72.5	5,537
North Eastern	**18.0**	**21.8**	**2.9**	**4.4**	**53.0**	**18,011**
Garissa	26.4	32.7		10.8	30.1	6,979
Mandera	29.8	24.5	10.0		35.6	4,662
Wajir		7.8	0.8	0.6	90.7	6,371
Nyanza	**9.1**	**15.5**	**10.6**	**5.5**	**59.3**	**98,251**
Gucha	21.2	24.1	18.7		36.1	8,825
Homa Bay	4.9	5.4		13.9	75.8	6,996
Kisii	20.2	31.8	32.2		15.8	10,475
Kisumu	3.8	2.7			93.5	11,609
Kuria	3.3	21.9		15.9	58.9	3,667
Migori	11.7	4.5	20.3	13.8	49.7	10,553
Nyamira	0.9	41.6	11.9	7.7	37.9	11,174
Rachuonyo		9.7		0.7	89.6	6,069
Siaya	6.0	6.6	9.4	10.5	67.6	12,460
Suba	3.7		10.9		85.4	3,643
Bondo	30.9	14.0	6.7		48.4	5,950
Nyando		13.0		3.1	83.9	6,830
Rift Valley	**17.7**	**13.7**	**13.6**	**14.2**	**40.7**	**163,454**
Baringo	2.1		3.1		94.8	4,652
Bomet		8.8	17.9	61.7	11.7	8,053

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Table 11.1: **Contd...**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Keiyo		8.2	37.8	11.0	43.0	3,597
Kajiado		8.5	27.7		63.8	7,601
Kericho		14.5	28.5	12.9	44.1	11,356
Koibatek		17.0	9.7	42.7	30.6	3,335
Laikipia		4.6	7.6	14.5	73.3	9,102
Marakwet	44.2			5.1	50.8	3,562
Nakuru	33.0	25.6	19.9	17.3	4.2	32,315
Nandi	32.4	27.9	10.7	10.7	18.2	14,028
Narok	1.3				98.7	8,163
Samburu			6.7	13.9	79.4	3,314
Trans Mara	6.3				93.7	3,531
Trans Nzoia	21.1	22.9	13.6	5.8	36.6	13,352
Turkana			8.2	6.3	85.5	8,287
Uasin Gishu	45.0	4.5	6.7	14.3	29.4	14,717
West Pokot	25.5	16.6	4.0	15.6	38.3	6,979
Buret	7.4	14.7	13.2	19.1	45.5	7,509
Western	**10.9**	**9.2**	**7.8**	**4.4**	**67.8**	**73,682**
Bungoma	13.5	1.5	13.1	7.0	65.0	17,493
Busia	17.7	9.1	15.6	10.0	47.7	9,304
Mt. Elgon	28.2	34.5	19.7		17.6	2,819
Kakamega	11.9	7.5			80.7	12,858
Lugari	16.1			10.9	73.0	4,529
Teso	12.5	11.6	34.0	5.9	36.0	4,248
Vihiga	2.3	11.8			85.8	10,874
Butere/Mumias	1.6	17.0		2.7	78.7	11,558

Table 11.2: **Percentage distribution of Communities by distance to the nearest Public Secondary School**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Kenya	**8.1**	**11.2**	**13.4**	**18.3**	**49.0**	**669,998**
Rural	5.4	8.8	12.4	18.3	55.1	510,384
Urban	16.7	18.8	16.7	18.5	29.3	159,614
Nairobi	**25.7**	**29.2**	**6.9**	**22.5**	**15.6**	**55,962**
Central	**9.5**	**11.4**	**12.1**	**21.8**	**45.2**	**97,275**
Kiambu	0.5	18.0	2.6	25.3	53.7	18,473
Kirinyaga	10.3	9.0	11.9	13.0	55.8	12,159
Murang'a	7.0		10.0	28.8	54.2	9,660
Nyandarua	2.6	6.6	28.4	13.0	49.3	11,454
Nyeri	26.5	28.0	16.6	18.7	10.1	17,665
Thika	10.2	2.5	9.0	29.6	48.7	17,784
Maragua	4.6	5.2	10.8	20.6	58.8	10,081
Coast	**5.3**	**4.6**	**10.8**	**12.3**	**67.1**	**60,321**
Kilifi	3.8	7.9	11.8	4.9	71.6	10,793
Kwale	10.0	9.5	4.0	5.1	71.4	10,752
Lamu			9.0	7.8	83.2	1,598
Mombasa	4.8		15.1	16.5	63.6	20,854
Taita Taveta	10.1		11.3	35.0	43.6	6,712
Tana River		3.1	4.5	6.8	85.6	3,943
Malindi		13.5	10.2	3.1	73.2	5,669
Eastern	**1.9**	**5.9**	**8.4**	**19.2**	**64.6**	**103,043**
Embu		10.5	2.2	17.2	70.1	7,658
Isiolo		27.2	11.8	13.7	47.3	1,584
Kitui	5.7	11.3	6.7	16.9	59.4	11,220
Makueni	1.2		15.0	16.6	67.2	15,263
Machakos	0.5	3.4	2.6	31.2	62.3	21,582
Marsabit					100.0	2,605
Mbeere	6.2		20.6	6.8	66.4	4,112
Meru Central		2.0	14.8	20.7	62.4	11,396
Moyale		9.9	7.5	10.0	72.7	1,045
Mwingi		12.8	17.7	21.1	48.4	6,382
Meru North	6.1	7.1	7.6	14.6	64.6	12,453
Tharaka		0.5	0.6	6.3	92.6	2,207
Meru South		13.7		19.0	67.4	5,537
North Eastern	**4.7**	**7.4**	**3.2**	**3.1**	**81.6**	**18,011**
Garissa	7.7	5.9	5.5		80.9	6,979
Mandera	6.7	15.7	4.0	8.0	65.6	4,662
Wajir		3.1		2.9	94.1	6,371
Nyanza	**7.3**	**13.5**	**16.7**	**18.8**	**43.7**	**98,251**
Gucha	15.0	12.8	31.6	10.1	30.5	8,825
Homa Bay	3.4	1.8	2.5	51.3	41.0	6,996
Kisii	13.2	49.0	30.7		7.1	10,475
Kisumu	3.3	9.2	3.9	22.4	61.1	11,609
Kuria		5.5	2.2	14.1	78.2	3,667
Migori	15.6		21.6	24.6	38.2	10,553
Nyamira		18.6	18.9	11.2	51.3	11,174
Rachuonyo		7.9	1.7	0.7	89.7	6,069
Siaya	10.3	9.4	21.4	26.1	32.8	12,460
Suba	1.9		12.6	25.4	60.0	3,643
Bondo	3.7	26.0	29.6	35.5	5.2	5,950
Nyando	8.8	5.3	4.3	10.1	71.5	6,830
Rift Valley	**9.9**	**6.1**	**18.1**	**14.8**	**51.1**	**163,454**
Baringo		3.6	4.6	1.4	90.4	4,652
Bomet		0.4	27.6	37.3	34.7	8,053

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Table 11.2: **Contd...**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Keiyo		14.8	23.8	27.7	33.7	3,597
Kajiado		5.7	8.0	18.2	68.1	7,601
Kericho		1.2	5.8	27.2	65.8	11,356
Koibatek		15.2	6.3	26.3	52.2	3,335
Laikipia			16.7	16.4	66.9	9,102
Marakwet	25.8	8.0		20.4	45.7	3,562
Nakuru	14.5	13.2	26.0	12.6	33.7	32,315
Nandi	20.2	7.4	25.2	8.0	39.2	14,028
Narok			26.7	0.7	72.6	8,163
Samburu			6.4	14.9	78.7	3,314
Trans Mara	6.3		11.9	9.2	72.6	3,531
Trans Nzoia	13.6	3.1	43.8	7.3	32.2	13,352
Turkana	10.3		4.4		85.2	8,287
Uasin Gishu	28.0	10.4	0.7	16.7	44.2	14,717
West Pokot	3.5		3.2	30.9	62.5	6,979
Buret	6.6	8.3	25.8	12.9	46.4	7,509
Western	**2.0**	**18.9**	**17.1**	**25.2**	**36.9**	**73,682**
Bungoma	1.2	25.9	20.2	34.3	18.4	17,493
Busia	1.4	2.3	2.4	20.9	73.1	9,304
Mt. Elgon	7.5	27.5	29.9	10.2	24.9	2,819
Kakamega	1.9	16.0	11.3	19.4	51.5	12,858
Lugari	5.3	26.1	8.1	22.5	37.9	4,529
Teso		15.4	14.7	20.9	49.0	4,248
Vihiga	2.3	28.7	26.3	23.3	19.5	10,874
Butere/Mumias	1.6	12.1	23.3	29.2	33.8	11,558

Table 11.3: **Percentage distribution of Communities by distance to the nearest Health Facility***

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Kenya	**4.9**	**6.4**	**12.4**	**28.5**	**47.7**	**356,576**
Rural	3.0	4.4	12.0	29.0	51.5	322,352
Urban	23.3	25.2	15.9	23.7	11.9	34,224
Nairobi		**10.9**	**8.2**	**60.7**	**20.2**	**5,171**
Central	**5.7**	**6.2**	**16.0**	**43.4**	**28.6**	**57,150**
Kiambu			31.2		68.8	3,864
Kirinyaga			19.2	43.2	37.6	9,295
Murang'a	22.0		10.3	16.0	51.8	5,558
Nyandarua		7.7	14.7	40.8	36.9	9,819
Nyeri	12.5	14.3	23.8	39.3	10.0	16,493
Thika			3.3	96.7		6,101
Maragua		7.7		58.4	33.9	6,020
Coast	**3.7**	**6.2**	**13.0**	**16.9**	**60.3**	**24,032**
Kilifi	8.0		26.4		65.5	8,866
Kwale				49.1	50.9	2,302
Lamu				19.1	80.9	654
Taita Taveta	3.1	11.7	2.4	46.6	36.1	5,676
Tana River		21.2	15.1	5.6	58.0	2,865
Malindi		5.6	5.6		88.8	3,669
Eastern	**1.5**	**5.2**	**2.3**	**27.2**	**63.8**	**60,548**
Embu		5.2	6.6	50.4	37.8	2,620
Isiolo				48.8	51.2	1,002
Kitui	2.1	8.2		10.1	79.6	7,601
Makueni	1.9			10.8	87.3	8,745
Machakos	2.2	1.0		35.3	61.5	14,555
Marsabit					100.0	1,620
Mbeere		7.0	11.9	10.3	70.8	2,724
Meru Central	3.5	16.8		47.4	32.2	6,524
Moyale			21.9		78.1	285
Mwingi				29.3	70.7	2,629
Meru North		9.3	8.3	32.2	50.3	10,147
Tharaka					100.0	1,110
Meru South				42.5	57.5	990
North Eastern	**3.2**	**3.5**	**7.7**		**85.7**	**8,754**
Garissa		11.8			88.2	1,866
Mandera	6.8		22.8		70.4	2,947
Wajir	2.0	2.1			95.9	3,941
Nyanza	**0.1**	**7.8**	**11.6**	**36.8**	**43.7**	**61,272**
Gucha			10.2	38.3	51.5	5,732
Homa Bay		1.8	3.6	44.7	49.9	4,857
Kisii	1.1	25.5	14.3	27.1	32.0	7,470
Kisumu				48.4	51.6	4,389
Kuria				7.7	92.3	2,211
Migori		6.8	7.6	41.2	44.4	8,078
Nyamira		12.6	15.5	24.9	46.9	8,105
Rachuonyo		0.9		49.1	50.0	4,555
Siaya			22.5	49.6	27.9	7,622
Suba				35.7	64.3	2,435
Bondo		23.7	51.6	10.8	13.9	3,308
Nyando		15.7		49.7	34.6	2,511
Rift Valley	**10.6**	**6.7**	**17.0**	**17.7**	**48.0**	**85,022**
Baringo			9.2	25.2	65.5	1,867
Bomet	0.6		2.4	0.7	96.4	3,175
Keiyo				56.5	43.5	1,459

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Table 11.3: **Contd...**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Kajiado		9.9	28.8		61.3	3,035
Kericho			22.1		77.9	1,699
Koibatek		7.1	30.3	15.5	47.1	2,451
Laikipia		11.3	22.2	40.2	26.3	3,718
Marakwet	13.6		25.8	33.7	27.0	2,807
Nakuru	3.0		28.2	2.5	66.3	16,101
Nandi	9.2	6.3	31.3	30.7	22.6	10,982
Narok	9.8		14.6		75.7	4,150
Samburu				27.8	72.2	941
Trans Mara	23.7				76.3	947
Trans Nzoia		3.9	31.7	15.9	48.6	6,018
Turkana	18.7				81.3	3,633
Uasin Gishu	46.8	11.4	1.7	20.7	19.5	12,434
West Pokot				35.0	65.0	4,132
Buret		44.9		35.0	20.0	5,475
Western	**5.7**	**6.3**	**14.4**	**28.6**	**45.0**	**54,627**
Bungoma	6.9	1.7	19.7	23.2	48.4	14,945
Busia	3.7	1.9	12.6	44.9	36.9	9,142
Mt. Elgon			10.2	36.0	53.8	2,186
Kakamega	4.9	10.0	2.3		82.7	5,989
Lugari		27.1	17.3	34.2	21.4	1,562
Teso	12.7	22.9	9.0	9.5	45.9	3,577
Vihiga	11.0	1.0	29.4	38.0	20.6	9,102
Butere/Mumias		12.9	1.9	35.9	49.2	8,124

* When health facility does not exist within the Community

Table 11.4: **Percentage distribution of Communities by main Economic Activities**

Region	Agric/ Forestry/ Fishing	Mining/ Quarrying	Manuf.	Transport/ Storage/ Comm	WSale / Retail Trade	Finance/ Insurance Services	Electricity Gas Water	Community/ Social Services	Not Stated	Total Count
Kenya	**71.1**	**0.7**	**1.5**	**3.5**	**13.6**	**0.9**	**0.8**	**2.6**	**5.3**	**607,885**
Rural	88.2	0.2	0.7	1.5	3.0	0.5	0.0	1.3	4.5	461,326
Urban	17.1	2.2	4.2	9.5	46.8	2.2	3.4	7.0	7.7	146,559
Nairobi		**1.0**	**5.4**	**12.4**	**45.6**	**3.6**	**8.6**	**9.3**	**14.1**	**51,407**
Central	**82.8**	**1.5**	**0.0**	**2.1**	**9.3**			**0.9**	**3.4**	**90,770**
Kiambu	77.6				21.9				0.5	18,232
Kirinyaga	100.0									11,444
Murang'a	84.1			1.2	2.1				12.6	8,482
Nyandarua	97.4				2.6					10,404
Nyeri	88.0	4.3			7.6					15,994
Thika	56.0	3.6	0.1	10.5	13.7			4.8	11.3	17,151
Maragua	95.5				4.5					9,064
Coast	**45.2**	**1.0**	**3.0**	**10.0**	**35.3**	**1.4**	**0.4**	**1.9**	**1.8**	**52,608**
Kilifi	54.0	4.6	4.3	27.8		2.8		3.8	2.7	8,986
Kwale	78.6				21.4					9,251
Lamu	100.0									1,501
Mombasa			6.5	8.4	82.7			1.8	0.7	18,431
Taita Taveta	85.1	2.0			9.6		3.2			5,769
Tana River	83.0				7.1			9.9		3,455
Malindi	45.6			23.8	10.8	9.0			10.9	5,216
Eastern	**78.6**	**0.2**	**2.2**	**1.4**	**4.8**	**0.2**	**0.4**	**4.3**	**7.7**	**92,921**
Embu	83.4				14.4			2.2		6,389
Isiolo	58.6							15.2	26.2	1,718
Kitui	95.2				2.3			1.4	1.1	9,715
Makueni	61.4	1.6	4.8		2.1	1.2		25.5	3.5	13,737
Machakos	74.8		7.5	6.2	11.6					18,620
Marsabit	14.4				1.5				84.1	2,834
Mbeere	93.8				6.2					3,704
Meru Central	78.5				0.8		2.2		18.6	11,592
Moyale	52.6			15.6	5.4	4.4	16.0		6.0	1,036
Mwingi	81.4				5.9				12.7	5,886
Meru North	91.8				0.8				7.4	10,967
Tharaka	98.9				1.1					2,022
Meru South	100.0									4,701
North Eastern	41.2				7.3			6.0	45.5	14,519
Garissa	25.6				8.0			15.9	50.5	4,814
Mandera					2.5				97.5	4,281
Wajir	87.5				10.6			2.0		5,425
Nyanza	**86.9**	**0.9**	**1.5**	**1.5**	**4.6**	**0.1**		**1.9**	**2.8**	**92,918**
Gucha	98.6				1.4					8,054
Homa Bay	76.9		4.5		5.3				13.3	6,711
Kisii	94.6			0.7	2.6			2.1		10,032
Kisumu	63.7		8.0		13.3			11.1	3.8	11,593
Kuria	93.4								6.6	2,961
Migori	80.6	2.5		12.2	2.0				2.7	10,531
Nyamira	87.6		0.9		11.5					9,982
Rachuonyo	98.3				0.7	1.0				5,709
Siaya	98.0		0.7		0.7				0.6	11,778
Suba	98.3				1.7					3,399
Bondo	73.5	9.7			4.0				12.8	5,661
Nyando	93.1				3.2			3.7		6,509
Rift Valley	**77.6**	**0.6**	**0.7**	**2.8**	**13.1**	**1.1**		**1.0**	**3.0**	**144,699**
Baringo	91.9				3.5			3.0	1.5	4,279
Bomet	99.2				0.8					7,038

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Table 11.4: **Contd...**

Region	Agric/ Forestry/ Fishing	Mining/ Quarrying	Manuf.	Transport/ Storage/ Comm	WSale / Retail Trade	Finance/ Insurance Services	Electricity Gas Water	Community/ Social Services	Not Stated	Total Count
Keiyo	88.0							0.7	11.3	2,997
Kajiado	61.9		8.0	19.1	6.7			4.3		6,996
Kericho	93.8		1.2		5.0					9,874
Koibatek	84.8				4.6				10.6	2,786
Laikipia	83.6				11.8				4.6	7,407
Marakwet	98.6				1.4					3,129
Nakuru	63.2	2.9		1.3	28.9			0.8	2.9	29,645
Nandi	85.5				2.0				12.5	11,264
Narok	98.0				2.0					7,589
Samburu	74.2			5.7	5.7				14.4	3,267
Trans Mara	98.2				1.8					3,219
Trans Nzoia	64.6				16.4	13.6		5.4		11,604
Turkana	95.6		4.4							7,336
Uasin Gishu	50.8			16.3	32.2			0.4	0.4	13,449
West Pokot	77.8				13.1				9.1	6,348
Buret	90.4				8.4			1.2		6,474
Western	**89.7**		**0.6**	**1.1**	**4.8**	**1.8**		**2.0**		**68,044**
Bungoma	88.8				11.2					16,305
Busia	95.4				3.2	1.4				8,899
Mt. Elgon	90.0				1.0			9.0		2,305
Kakamega	87.5				3.5	9.0				12,337
Lugari	100.0									4,109
Teso	86.3		4.0		9.8					3,829
Vihiga	84.5				3.7			11.8		9,504
Butere/Mumias	90.8		2.1	7.1						10,756

Table 11.5: **Percentage distribution of Communities by Employment Opportunities**

Region	Much better	Better	About the same	Worse	Much worse	Total Count
Kenya	**0.9**	**7.3**	**6.9**	**38.0**	**46.9**	**592,470**
Rural	0.9	8.2	8.0	42.9	40.0	441,776
Urban	1.0	4.6	3.6	23.5	67.3	150,694
Nairobi			**2.4**	**5.5**	**92.1**	**58,045**
Central	**2.6**	**8.0**	**9.6**	**43.5**	**36.2**	**62,410**
Kiambu	0.9			23.4	75.7	15,035
Kirinyaga	12.2			72.4	15.5	10,269
Murang'a		8.3	9.8	33.2	48.8	7,664
Nyandarua		17.7	23.3	42.5	16.5	4,121
Nyeri	6.0	6.3	39.6	10.2	38.0	4,185
Thika		13.4	19.6	48.2	18.8	13,449
Maragua		20.6		64.9	14.4	7,687
Coast		**4.7**	**1.0**	**21.7**	**72.7**	**56,487**
Kilifi		4.7		15.5	79.8	10,029
Kwale		3.5		13.8	82.7	10,752
Lamu				36.0	64.0	1,161
Mombasa		8.6		10.8	80.7	20,854
Taita Taveta			9.3	58.2	32.5	6,026
Tana River				36.4	63.6	2,666
Malindi				41.0	59.0	4,998
Eastern	**2.0**	**19.4**	**9.7**	**42.2**	**26.7**	**94,048**
Embu		40.2		10.8	48.9	7,658
Isiolo		18.4	20.5	12.2	49.0	1,188
Kitui	19.8	28.7	14.9	36.6		8,798
Makueni			9.9	46.3	43.8	14,684
Machakos		5.2	5.1	54.5	35.1	20,394
Marsabit		8.2	35.2	29.7	26.9	1,633
Mbeere			5.9	17.5	76.6	3,851
Meru Central		15.2	11.5	53.3	20.0	10,510
Moyale			52.2	30.3	17.5	843
Mwingi		79.8	7.1	6.8	6.3	5,899
Meru North	0.9	8.8	8.2	74.2	8.0	10,848
Tharaka	1.1	22.9	46.8	29.3		2,207
Meru South		62.5	5.4	27.0	5.1	5,537
North Eastern		**15.8**	**14.5**	**11.6**	**58.1**	**13,283**
Garissa		29.3	33.8	8.8	28.2	5,693
Mandera		17.2		14.7	68.1	2,543
Wajir				13.2	86.8	5,047
Nyanza	**0.3**	**4.1**	**9.4**	**66.7**	**19.5**	**92,819**
Gucha			1.3	61.8	36.8	8,909
Homa Bay				89.7	10.3	6,996
Kisii		0.9	20.4	77.7	1.0	8,538
Kisumu		12.5	2.7	81.6	3.3	11,609
Kuria			8.3	73.3	18.4	3,583
Migori	2.7	2.4	2.1	43.1	49.7	10,553
Nyamira		0.9	13.9	79.7	5.5	10,405
Rachuonyo		14.2	12.8	64.8	8.2	6,069
Siaya			8.3	61.2	30.5	11,294
Suba		1.7	18.9	71.7	7.7	2,871
Bondo		15.2		29.9	55.0	5,161
Nyando		3.2	33.8	59.9	3.1	6,830
Rift Valley	**0.5**	**6.2**	**4.9**	**36.1**	**52.3**	**145,698**
Baringo	1.7			61.3	37.1	4,191
Bomet		8.8		20.6	70.7	8,053
Keiyo			7.8	24.3	67.9	2,752

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Table 11.5: **Contd...**

Region	Much better	Better	About the same	Worse	Much worse	Total Count
Kajiado				26.8	73.2	6,776
Kericho				39.7	60.3	10,933
Koibatek	6.7		10.3		83.0	3,160
Laikipia	6.5	22.1		10.0	61.3	6,748
Marakwet	1.4			25.4	73.2	3,562
Nakuru		4.7	6.5	37.2	51.6	25,437
Nandi			4.4	42.9	52.7	14,028
Narok		30.2	15.0	48.1	6.7	8,099
Samburu		45.7	14.1	23.5	16.7	2,916
Trans Mara			9.9	90.1		2,763
Trans Nzoia		13.6		36.0	50.4	13,352
Turkana			14.8	25.2	60.0	6,470
Uasin Gishu				33.2	66.8	14,546
West Pokot			9.4	48.9	41.7	4,402
Buret		0.8	14.8	52.5	32.0	7,509
Western	**1.3**	**3.5**	**8.3**	**38.4**	**48.4**	**69,680**
Bungoma		9.8	14.4	49.3	26.6	15,161
Busia			14.1	39.5	46.4	8,377
Mt. Elgon		4.8		9.1	86.1	2,819
Kakamega				38.7	61.3	12,858
Lugari				37.3	62.7	4,529
Teso			9.7	80.3	9.9	3,660
Vihiga	8.5		8.9	13.3	69.2	10,874
Butere/Mumias		7.2	9.8	41.1	41.9	11,402

Table 11.6: **Percentage distribution of Communities by distance to nearest**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Kenya	**4.7**	**3.6**	**8.3**	**10.6**	**72.9**	**669998**
Rural	1.7	0.9	3.0	7.7	86.7	510384
Urban	14.2	12.1	25.1	19.9	28.7	159614
Nairobi	**12.6**	**14.3**	**29.6**	**24.4**	**19.2**	**55962**
Central	**2.0**	**2.0**	**8.6**	**15.1**	**72.3**	**97275**
Kiambu			19.4	12.0	68.6	18473
Kirinyaga	2.1			31.7	66.2	12159
Muranga		1.2	11.3	12.6	74.9	9660
Nyandarua	2.6	3.4		12.5	81.6	11454
Nyeri	3.5	4.1	7.3	6.8	78.2	17665
Thika		4.2	13.5	11.9	70.4	17784
Maragua	7.1			26.1	66.8	10081
Coast	**5.3**	**5.0**	**16.1**	**15.1**	**58.6**	**60321**
Kilifi	2.7	8.7		6.6	82.0	10793
Kwale		6.5			93.5	10752
Lamu	11.6	11.6	9.0	7.8	60.1	1598
Mombasa	9.0	1.5	34.4	32.7	22.4	20854
Taita Taveta	1.2	9.9	23.9	12.8	52.2	6712
Tana River	11.0		3.1	6.5	79.4	3943
Malindi	5.7	3.3	11.8	5.9	73.2	5669
Eastern	**2.8**	**1.8**	**3.1**	**7.0**	**85.3**	**103043**
Embu	1.8	7.1	5.3	9.1	76.7	7658
Isiolo			22.2	29.0	48.8	1584
Kitui		1.4	1.1	9.8	87.7	11220
Makueni	2.7	1.1			96.2	15263
Machakos	3.2	1.9	4.3	5.3	85.3	21582
Marsabit					100.0	2605
Mbeere	6.2		7.9		85.9	4112
Meru Central	8.0	2.5	7.0	1.7	80.7	11396
Moyale		10.0	23.3	8.2	58.5	1045
Mwingi					100.0	6382
Meru North		1.3		20.7	78.0	12453
Tharaka				4.6	95.4	2207
Meru South	9.0			16.3	74.7	5537
North Eastern	**5.8**	**2.4**	**1.7**	**2.6**	**87.5**	**18011**
Garissa	5.4	3.0	3.2		88.4	6979
Mandera	12.8	1.0		8.0	78.1	4662
Wajir	1.2	2.7	1.3	1.6	93.2	6371
Nyanza	**4.2**	**2.7**	**3.8**	**9.8**	**79.5**	**98251**
Gucha				31.5	68.5	8825
Homa Bay			8.2	5.1	86.7	6996
Kisii	0.8	8.3	2.2		88.8	10475
Kisumu	15.1	0.4	11.1	12.9	60.5	11609
Kuria			5.7		94.3	3667
Migori	4.1	5.1	2.5		88.3	10553
Nyamira	0.9	2.7	0.6	18.9	76.8	11174
Rachuonyo	0.7			8.1	91.3	6069
Siaya		0.6	9.0	6.5	83.9	12460
Suba	10.0			4.8	85.2	3643
Bondo	18.3	2.0		23.7	56.0	5950
Nyando	3.1	10.9			86.0	6830
Rift Valley	**4.8**	**1.6**	**7.2**	**7.0**	**79.5**	**163454**
Baringo	1.5	2.1	4.6	1.4	90.4	4652
Bomet	0.3	0.4		0.3	99.0	8053

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Table 11.6: **Contd...**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Keiyo		2.3	1.5	5.3	90.9	3597
Kajiado		8.5	7.6		83.9	7601
Kericho			1.2	34.5	64.2	11356
Koibatek		4.6	6.3	5.8	83.3	3335
Laikipia			9.1		90.9	9102
Marakwet	0.7			7.5	91.8	3562
Nakuru	14.3	1.9	14.0	6.5	63.3	32315
Nandi		3.9	2.0	7.5	86.6	14028
Narok	1.3		21.9		76.7	8163
Samburu			5.0		95.0	3314
Trans Mara			12.4		87.6	3531
Trans Nzioa	8.9		6.4	5.6	79.2	13352
Turkana		4.4			95.6	8287
Uasin Gishu	1.1	0.4		13.8	84.7	14717
West Pokot	14.4		7.8	7.6	70.2	6979
Buret	7.6	1.0	14.4	3.9	73.1	7509
Western	**4.7**	**4.3**	**2.5**	**6.4**	**82.1**	**73682**
Bungoma	7.0	0.8	1.5	7.3	83.5	17493
Busia	2.8	3.5		23.3	70.4	9304
Mt. Elgon	1.0	1.1		10.4	87.5	2819
Kakamega	6.5	2.0	1.4		90.1	12858
Lugari			0.9	10.9	88.2	4529
Teso	15.9	4.0	2.9		77.1	4248
Vihiga	2.5	8.5	6.7	1.4	80.8	10874
Butere/Mumias	1.3	11.7	4.7	2.7	79.6	11558

Table 11.7: **Percentage distribution of Communities by distance to the Nearest Daily Market**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Kenya	**1.6**	**3.5**	**7.1**	**10.0**	**77.9**	**672,251**
Rural	1.2	2.8	5.4	9.6	81.1	510,384
Urban	2.8	5.7	12.5	11.5	67.5	161,867
Nairobi	**3.1**	**6.5**	**13.7**	**14.9**	**61.7**	**58,214**
Central	**1.9**	**2.6**	**3.6**	**11.0**	**80.8**	**97,275**
Kiambu		6.5	4.4		89.0	18,473
Kirinyaga				24.2	75.8	12,159
Murang'a	12.6		1.2	15.4	70.8	9,660
Nyandarua			5.9	16.9	77.2	11,454
Nyeri	3.5	7.7	10.9	1.5	76.4	17,665
Thika				19.2	80.8	17,784
Maragua				6.9	93.1	10,081
Coast	**1.4**	**2.0**	**6.1**	**7.6**	**82.8**	**60,321**
Kilifi			8.9		91.1	10,793
Kwale	2.9		6.4		90.7	10,752
Lamu					100.0	1,598
Mombasa		2.4	3.2	16.7	77.7	20,854
Taita Taveta	1.2	5.2	13.1	12.8	67.7	6,712
Tana River	4.5			2.1	93.4	3,943
Malindi	5.1	6.7	8.9	2.7	76.5	5,669
Eastern	**1.4**	**0.9**	**3.0**	**8.2**	**86.4**	**103,043**
Embu		7.9	2.2	18.3	71.7	7,658
Isiolo				13.7	86.3	1,584
Kitui			2.5	1.1	96.4	11,220
Makueni	2.1			6.2	91.8	15,263
Machakos		1.4	5.3	3.4	89.9	21,582
Marsabit					100.0	2,605
Mbeere			7.0	4.5	88.5	4,112
Meru Central	9.0			14.4	76.6	11,396
Moyale	5.4	4.4	14.1		76.0	1,045
Mwingi					100.0	6,382
Meru North	0.7		6.7	18.4	74.2	12,453
Tharaka			5.6		94.4	2,207
Meru South			2.0	16.3	81.7	5,537
North Eastern		**1.2**	**2.2**	**5.8**	**90.7**	**18,011**
Garissa		3.2		3.0	93.8	6,979
Mandera			8.6	18.1	73.3	4,662
Wajir					100.0	6,371
Nyanza	**1.0**	**6.6**	**12.8**	**15.3**	**64.3**	**98,251**
Gucha			9.8	21.0	69.2	8,825
Homa Bay			7.4	7.7	84.8	6,996
Kisii	0.8	37.2	24.2	7.0	30.9	10,475
Kisumu			19.0	6.4	74.5	11,609
Kuria					100.0	3,667
Migori		2.4	25.8	16.2	55.7	10,553
Nyamira		8.3	7.5	33.9	50.3	11,174
Rachuonyo				19.2	80.8	6,069
Siaya	1.0		18.2	11.5	69.3	12,460
Suba		1.8	6.8	27.5	64.0	3,643
Bondo	12.8	10.7	6.7	23.7	46.1	5,950
Nyando		10.3		9.4	80.3	6,830
Rift Valley	**1.8**	**0.8**	**5.2**	**5.4**	**86.8**	**163,454**
Baringo	31.8		4.6	1.4	62.3	4,652
Bomet					100.0	8,053

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Table 11.7: **Contd...**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Keiyo		0.7		15.9	83.4	3,597
Kajiado			11.5		88.5	7,601
Kericho				7.0	93.0	11,356
Koibatek			6.3	21.2	72.5	3,335
Laikipia		8.3	9.1	11.0	71.6	9,102
Marakwet					100.0	3,562
Nakuru			13.1	3.9	83.0	32,315
Nandi	9.7	2.9	3.0	7.5	77.0	14,028
Narok					100.0	8,163
Samburu					100.0	3,314
Trans Mara					100.0	3,531
Trans Nzoia			8.8	2.7	88.6	13,352
Turkana					100.0	8,287
Uasin Gishu			0.8	13.8	85.5	14,717
West Pokot			6.3	14.4	79.3	6,979
Buret	0.5	1.5			98.0	7,509
Western	**0.9**	**9.2**	**10.4**	**13.8**	**65.6**	**73,682**
Bungoma	1.1	16.4	5.8	17.9	58.7	17,493
Busia		3.5	13.2	10.6	72.7	9,304
Mt. Elgon				5.2	94.8	2,819
Kakamega	2.6	3.0	9.2	8.5	76.7	12,858
Lugari			5.3	23.3	71.4	4,529
Teso		21.7	4.0		74.3	4,248
Vihiga		8.2	6.7	17.7	67.3	10,874
Butere/Mumias	1.4	12.1	27.1	15.7	43.8	11,558

Table 11.8: **Percentage distribution of population by distance to the nearest District Headquarters**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Kenya	**47.6**	**0.0**	**1.8**	**1.7**	**48.8**	**590,626**
Rural	49.2		0.3	0.8	49.7	480,033
Urban	40.9	0.1	8.4	5.7	44.8	110,593
Nairobi	**53.5**		**12.2**	**8.0**	**26.3**	**43,621**
Central	**47.3**			**1.2**	**51.5**	**85,274**
Kiambu	32.9			0.9	66.3	13,467
Kirinyaga	30.8				69.2	9,973
Murang'a	78.3				21.7	9,213
Nyandarua	5.8			8.0	86.2	11,454
Nyeri	18.3				81.7	16,276
Thika	94.2				5.8	14,811
Maragua	79.8				20.2	10,081
Coast	**25.3**		**3.9**		**70.8**	**51,968**
Kilifi	40.4				59.6	9,956
Kwale	19.0				81.0	9,594
Lamu	56.8				43.2	1,227
Mombasa	5.0		10.9		84.1	18,571
Taita Taveta	15.4				84.6	5,239
Tana River	53.6				46.4	3,404
Malindi	76.3				23.7	3,977
Eastern	**38.1**			**1.9**	**60.0**	**89,876**
Embu	82.5				17.5	6,389
Isiolo	32.5				67.5	721
Kitui	7.0				93.0	9,149
Makueni	35.8				64.2	12,498
Machakos	41.2				58.8	19,295
Marsabit	49.7				50.3	2,362
Mbeere	60.1				39.9	4,017
Meru Central	35.4				64.6	10,955
Moyale	39.5				60.5	612
Mwingi					100.0	4,306
Meru North	43.5			7.9	48.7	12,211
Tharaka	69.4				30.6	2,082
Meru South	22.4			14.3	63.2	5,280
North Eastern	**63.9**			**1.4**	**34.6**	**14,395**
Garissa	49.2				50.8	4,301
Mandera	95.1			4.9		4,155
Wajir	52.8				47.2	5,940
Nyanza	**43.3**			**2.8**	**53.9**	**90,097**
Gucha	76.3				23.7	8,705
Homa Bay	87.4				12.6	6,121
Kisii	14.6				85.4	8,541
Kisumu	38.7			16.6	44.8	10,515
Kuria	66.3				33.7	3,459
Migori	63.3				36.7	9,796
Nyamira	0.9			7.5	91.6	10,896
Rachuonyo	59.2				40.8	6,069
Siaya	28.1				71.9	11,385
Suba	48.6				51.4	3,137
Bondo	27.1				72.9	4,935
Nyando	52.1				47.9	6,539
Rift Valley	**51.5**	**0.0**	**1.8**	**0.5**	**46.2**	**146,901**
Baringo	66.8				33.2	4,278
Bomet	28.1				71.9	7,911

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Table 11.8: **Contd...**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Keiyo	6.1	0.7		5.5	87.7	3,485
Kajiado	22.4				77.6	7,093
Kericho	30.2				69.8	9,702
Koibatek				6.5	93.5	2,971
Laikipia	9.6		10.3		80.1	8,029
Marakwet	77.8				22.2	3,514
Nakuru	71.9		6.4		21.7	29,248
Nandi	60.7				39.3	11,831
Narok	54.7				45.3	7,942
Samburu	62.3				37.7	2,770
Trans Mara	37.3				62.7	3,431
Trans Nzoia	94.8			3.6	1.5	9,854
Turkana	11.1				88.9	7,272
Uasin Gishu	60.9			0.4	38.7	14,717
West Pokot	66.9				33.1	5,461
Buret	53.2				46.8	7,395
Western	**67.9**	**0.2**	**1.3**	**0.5**	**30.3**	**68,493**
Bungoma	55.8			1.1	43.1	16,962
Busia	65.6	1.3			33.1	8,480
Mt. Elgon	81.6				18.4	2,758
Kakamega	71.4				28.6	10,622
Lugari	87.3				12.7	4,067
Teso	66.6		3.3		30.1	3,724
Vihiga	75.9		6.9	1.4	15.8	10,625
Butere/Mumias	66.8				33.2	11,255

* When Community is not within the HQ

Table 11.9: **Percentage distribution of population by distance to the nearest District Headquarters**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Kenya	**4.5**	**5.8**	**9.0**	**21.0**	**59.7**	**384,271**
Rural	2.7	5.2	8.4	21.6	62.1	365,654
Urban	40.9	16.1	21.7	8.9	12.3	18,617
Nairobi	**41.7**			**58.3**		**270**
Central	**6.9**	**13.3**	**8.9**	**26.3**	**44.6**	**57,474**
Kiambu					100.0	3,170
Kirinyaga	12.1		7.4	25.3	55.2	10,328
Murang'a			10.5	30.3	59.2	5,999
Nyandarua		9.7	13.3	27.9	49.1	9,494
Nyeri	12.8	41.6	12.8	20.1	12.7	13,081
Thika	12.8	10.0	9.3	39.8	28.1	8,164
Maragua		6.4		30.0	63.6	7,239
Coast	**3.5**	**1.1**	**6.5**	**16.2**	**72.8**	**24,527**
Kilifi				18.6	81.4	6,857
Kwale					100.0	3,295
Lamu				14.4	85.6	864
Taita Taveta	5.9		24.7	28.5	40.9	5,229
Tana River	4.5	6.8	7.6	22.0	59.1	3,943
Malindi	8.3			4.7	87.0	4,338
Eastern	**0.7**	**0.5**	**5.2**	**15.1**	**78.5**	**79,934**
Embu		4.0		57.8	38.3	4,533
Isiolo			18.1	16.4	65.5	1,179
Kitui				15.1	84.9	10,684
Makueni	4.1			7.1	88.8	13,236
Machakos				11.2	88.8	14,243
Marsabit					100.0	2,362
Mbeere		5.8	8.8	13.3	72.1	3,275
Meru Central			10.0	33.6	56.4	7,984
Moyale	6.4	5.2	25.2		63.3	894
Mwingi					100.0	4,812
Meru North			20.3	12.7	67.0	12,211
Tharaka			7.1		92.9	1,872
Meru South				15.9	84.1	2,648
North Eastern	**5.1**	**3.8**	**3.2**	**6.6**	**81.4**	**12,684**
Garissa		17.8			82.2	2,428
Mandera	14.9	1.1	9.3	19.5	55.2	4,316
Wajir					100.0	5,940
Nyanza	**4.3**	**7.7**	**10.0**	**28.8**	**49.2**	**61,076**
Gucha			0.6	34.5	64.9	8,070
Homa Bay			16.8	18.6	64.6	4,596
Kisii		50.0	5.7	44.3		5,157
Kisumu	9.6		23.7	54.0	12.7	3,943
Kuria					100.0	2,665
Migori	1.4		15.7	17.9	65.0	6,691
Nyamira		12.2	7.5	25.8	54.5	7,642
Rachuonyo			10.4	15.6	74.0	4,593
Siaya	10.3		15.5	22.5	51.7	6,390
Suba				37.2	62.8	1,948
Bondo	28.0	14.7	18.3	17.9	21.1	5,333
Nyando		9.7		62.4	27.9	4,049
Rift Valley	**6.0**	**3.4**	**13.6**	**17.3**	**59.7**	**96,244**
Baringo			2.2	14.0	83.9	3,371
Bomet			6.4	0.3	93.2	6,363
Keiyo			1.3	16.5	82.2	2,378

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Table 11.9: **Contd...**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Kajiado					100.0	2,623
Kericho			7.1	36.5	56.4	5,874
Koibatek		5.5		25.5	68.9	2,769
Laikipia		8.0		41.5	50.5	5,234
Marakwet		10.1	10.1	9.5	70.3	2,827
Nakuru	13.6		16.7	4.9	64.7	13,708
Nandi	2.3	10.1	13.3	30.2	44.0	11,321
Narok			33.5		66.5	3,194
Samburu			9.6	11.4	79.0	2,300
Trans Mara		16.5	24.7	25.9	32.9	1,345
Trans Nzoia		5.6	54.6	39.7		6,344
Turkana				5.2	94.8	6,003
Uasin Gishu	34.9	0.7	9.1		55.3	8,274
West Pokot	3.5		11.0	24.8	60.7	6,213
Buret	8.4	10.4	25.6	23.2	32.3	6,103
Western	**5.4**	**10.2**	**8.1**	**27.4**	**48.9**	**52,062**
Bungoma	1.3	18.7	1.1	33.3	45.6	16,019
Busia	12.2			44.9	42.9	7,579
Mt. Elgon		1.9		23.1	75.1	2,563
Kakamega	31.3	3.4	8.8		56.6	5,350
Lugari		28.6	13.4		57.9	1,478
Teso		16.5	20.4	9.3	53.8	3,652
Vihiga		12.3	20.6	30.2	36.9	6,393
Butere/Mumias		3.3	14.4	29.6	52.7	9,028

* When one does not exist within the Community

Table 11.10: **Percentage distribution of Communities by distance to the nearest Post Office**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Kenya	**2.8**	**4.2**	**8.5**	**12.3**	**72.2**	**669,854**
Rural	1.4	2.4	4.4	11.4	80.4	510,384
Urban	7.1	10.1	21.6	15.3	45.9	159,470
Nairobi	**6.6**	**12.4**	**21.9**	**25.8**	**33.3**	**55,962**
Central	**3.8**	**4.6**	**4.3**	**16.9**	**70.4**	**97,275**
Kiambu	0.7	6.5		22.5	70.4	18,473
Kirinyaga				31.7	68.3	12,159
Murang'a	12.6		3.3		84.1	9,660
Nyandarua		3.4		16.9	79.8	11,454
Nyeri	6.2	11.9	5.9	10.7	65.3	17,665
Thika	7.0	4.2	16.0	14.8	58.0	17,784
Maragua				20.1	79.9	10,081
Coast	**3.3**	**5.2**	**10.0**	**7.2**	**74.3**	**60,321**
Kilifi	9.4		6.6	4.3	79.7	10,793
Kwale			6.5		93.5	10,752
Lamu		9.0		7.8	83.2	1,598
Mombasa	4.8	8.8	12.2	4.7	69.5	20,854
Taita Taveta		9.9	15.5	32.3	42.2	6,712
Tana River			14.1	6.2	79.8	3,943
Malindi		9.0	8.2	6.4	76.4	5,669
Eastern	**0.3**	**0.6**	**4.5**	**9.0**	**85.6**	**103,043**
Embu		5.5	7.7	7.9	78.9	7,658
Isiolo			8.4	42.8	48.8	1,584
Kitui			1.1	9.8	89.1	11,220
Makueni	1.2			6.2	92.7	15,263
Machakos		0.9	5.8	12.9	80.4	21,582
Marsabit					100.0	2,605
Mbeere			7.0	4.5	88.5	4,112
Meru Central			7.0	10.8	82.2	11,396
Moyale			23.3	8.2	68.5	1,045
Mwingi	2.1				97.9	6,382
Meru North			5.6	6.3	88.1	12,453
Tharaka					100.0	2,207
Meru South			9.0	16.3	74.7	5,537
North Eastern	**8.1**	**1.2**	**3.7**	**5.1**	**81.8**	**18,011**
Garissa	12.3	3.2	3.8		80.8	6,979
Mandera	10.4		8.6	18.1	63.0	4,662
Wajir	1.8			1.3	96.8	6,371
Nyanza	**4.2**	**4.4**	**7.7**	**14.9**	**68.8**	**98,251**
Gucha				31.5	68.5	8,825
Homa Bay	1.8		4.7	11.9	81.6	6,996
Kisii	0.8	7.3	1.9	8.2	81.8	10,475
Kisumu	7.2	11.5	10.6	29.0	41.8	11,609
Kuria					100.0	3,667
Migori	2.8	2.4	24.0		70.8	10,553
Nyamira		7.7	0.6	18.9	72.8	11,174
Rachuonyo			7.9	15.9	76.2	6,069
Siaya	10.7		20.3		69.0	12,460
Suba				19.9	80.1	3,643
Bondo	25.1			23.7	51.2	5,950
Nyando		16.1	3.7	22.5	57.6	6,830
Rift Valley	**0.8**	**1.5**	**8.0**	**6.9**	**82.8**	**163,454**
Baringo	2.1		4.6	11.5	81.8	4,652
Bomet					100.0	8,053

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Table 11.10: **Contd...**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Keiyo		0.7	5.6	5.3	88.4	3,597
Kajiado			19.1		80.9	7,601
Kericho		3.0	1.2	7.0	88.8	11,356
Koibatek		4.6		11.4	84.1	3,335
Laikipia		4.6	9.1	11.0	75.3	9,102
Marakwet				7.5	92.5	3,562
Nakuru			17.7	6.0	76.3	32,315
Nandi	1.9	1.0	12.8	13.2	71.1	14,028
Narok			7.4		92.6	8,163
Samburu				7.9	92.1	3,314
Trans Mara					100.0	3,531
Trans Nzoia			6.2	8.7	85.1	13,352
Turkana					100.0	8,287
Uasin Gishu	4.8		0.8	9.6	84.8	14,717
West Pokot	2.5	3.2	3.5	16.4	74.5	6,979
Buret	1.3	15.3	12.5	3.9	67.0	7,509
Western	**2.8**	**8.2**	**11.6**	**15.4**	**62.0**	**73,538**
Bungoma	2.3	17.9	4.7	10.4	64.7	17,493
Busia		3.9	1.0	33.6	61.4	9,304
Mt. Elgon				33.1	66.9	2,819
Kakamega	10.4	2.0	11.2		76.5	12,713
Lugari			0.9	22.5	76.6	4,529
Teso	3.4	10.2	24.5	8.0	53.8	4,248
Vihiga	1.7	15.8	20.1	27.7	34.7	10,874
Butere/Mumias		1.4	25.0	9.6	64.1	11,558

Table 11.11: **Percentage distribution of Communities by distance to the nearest Bus Stage***

Region	Less than 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 - 10 Kms	10 or more Kms	Total Count
Kenya	**15.0**	**12.5**	**26.1**	**30.6**	**15.8**	**314,332**
Rural	8.8	11.3	27.5	35.0	17.5	271,817
Urban	54.7	20.7	17.0	2.5	5.1	42,515
Nairobi	**63.9**	**15.3**	**20.8**			**11,739**
Central	**18.0**	**15.0**	**31.2**	**29.8**	**6.0**	**40,569**
Kiambu		4.1		95.9		2,866
Kirinyaga	11.1	15.0	28.8	30.5	14.5	9,633
Murang'a	2.1	10.3	42.7	44.9		6,141
Nyandarua	16.2		37.7	46.0		7,917
Nyeri	54.7	33.9	11.4			4,888
Thika	27.1	27.8	31.9		13.2	7,971
Maragua			100.0			1,153
Coast	**18.2**	**12.8**	**32.9**	**22.8**	**13.2**	**21,198**
Kilifi	17.8		40.7	23.7	17.9	5,713
Kwale	32.2	19.2	33.3	15.3		5,293
Lamu			34.5	30.0	35.5	1,075
Mombasa	100.0					504
Taita Taveta	13.9	27.2	48.1		10.7	3,218
Tana River		14.5	17.3	26.9	41.3	1,971
Malindi	5.5	15.9	18.4	53.2	7.0	3,424
Eastern	**2.5**	**5.1**	**22.0**	**48.2**	**22.1**	**58,304**
Embu	4.6	4.2	38.4	52.7		3,891
Isiolo	10.1		65.1		24.8	789
Kitui	4.4	9.8	16.2	42.4	27.2	6,392
Makueni	2.0	8.5		79.8	9.8	8,615
Machakos			25.9	45.2	28.9	11,513
Marsabit				6.2	93.8	2,336
Mbeere	9.7		17.4	72.9		1,611
Meru Central			37.6	31.0	31.4	6,422
Moyale	12.1	38.3	9.9	7.2	32.5	863
Mwingi			12.0	35.3	52.7	2,369
Meru North		9.1	29.0	51.5	10.3	9,206
Tharaka			5.2	86.1	8.7	1,412
Meru South	16.9	9.6	35.1	38.4		2,885
North Eastern	**11.8**	**8.9**	**7.5**	**13.1**	**58.6**	**6,840**
Garissa	15.9	15.2		19.1	49.8	1,389
Mandera	26.0	17.7	22.8	8.3	25.1	2,257
Wajir				13.9	86.1	3,195
Nyanza	**13.7**	**5.8**	**33.2**	**33.8**	**13.5**	**46,349**
Gucha		0.8	53.2	8.7	37.4	6,332
Homa Bay			28.3	71.7		2,324
Kisii	3.9	20.7	75.4			4,688
Kisumu	44.3		28.8	26.9		4,796
Kuria			15.5	28.1	56.3	2,121
Migori	5.4		17.0	69.0	8.5	4,626
Nyamira	32.1		17.6	50.3		7,105
Rachuonyo			39.7	37.6	22.7	5,433
Siaya		30.7	19.3	29.8	20.2	3,238
Suba			35.0	38.0	27.0	1,568
Bondo	53.3	21.6	25.1			1,427
Nyando	27.9	13.6	14.6	43.9		2,691
Rift Valley	**13.5**	**19.6**	**21.1**	**23.9**	**21.8**	**84,436**
Baringo	2.2	6.8	2.0	39.0	50.0	3,175
Bomet			62.8	37.2		4,668

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Table 11.11: **Contd...**

Region	Less than 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 - 10 Kms	10 or more Kms	Total Count
Keiyo	4.3	24.8	26.0	17.0	28.0	1,429
Kajiado			36.8		63.2	2,243
Kericho	10.7	55.4		27.9	6.0	7,074
Koibatek	11.1	15.9	39.0	34.0		2,639
Laikipia	24.1	25.5	34.2	9.3	6.9	7,428
Marakwet	12.6	26.7	23.7	37.0		1,891
Nakuru	17.9	24.8	16.9	13.9	26.5	14,252
Nandi	15.3	7.6	42.8	24.6	9.7	10,091
Narok			1.7	69.6	28.7	3,141
Samburu			27.5	41.2	31.2	1,912
Trans Mara	34.4	53.7		11.9		2,344
Trans Nzoia		64.9		35.1		1,470
Turkana	7.1		19.2	6.0	67.6	5,186
Uasin Gishu	27.7			35.2	37.1	6,677
West Pokot	15.2		11.2	38.2	35.3	3,502
Buret	10.6	51.1	17.8	8.9	11.7	5,313
Western	**18.6**	**13.5**	**29.5**	**32.0**	**6.4**	**44,900**
Bungoma	25.8	11.0	34.8	18.6	9.8	16,413
Busia	3.2	19.1	47.2	30.5		5,818
Mt. Elgon			13.5	57.7	28.8	1,448
Kakamega	3.5	4.3		78.0	14.2	4,173
Lugari	19.7	9.2		71.1		2,152
Teso	15.6	7.4		68.5	8.6	2,994
Vihiga	22.8	24.9	26.5	25.8		7,263
Butere/Mumias	26.7	15.7	57.6			4,639

* When regular buses/Matatus are not in the Community

Table 11.12: **Percentage distribution of Communities by distance to the nearest Tar/Asphalt road**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Kenya	**9.5**	**7.0**	**5.7**	**12.1**	**65.8**	**669998.2**
Rural	4.0	4.2	6.0	14.4	71.4	510384.2
Urban	27.0	15.8	4.6	4.7	47.8	159614
Nairobi	**23.6**	**27.8**	**5.9**	**6.3**	**36.4**	**55961.7**
Central	**10.8**	**5.5**	**12.0**	**18.9**	**52.9**	**97275**
Kiambu	18.6		7.1	20.6	53.7	18473.1
Kirinyaga			15.5	21.5	63.0	12159.2
Murang'a		2.5	6.5	27.1	63.8	9660
Nyandarua	10.4	8.0	6.6	9.0	65.9	11453.5
Nyeri	20.3	14.5	23.4	12.2	29.6	17664.5
Thika	8.6	4.2	12.5	19.7	55.0	17784.1
Maragua	7.2	8.8	6.9	26.1	51.0	10080.6
Coast	**14.8**	**2.5**	**4.4**	**7.0**	**71.4**	**60321.1**
Kilifi	27.5	9.2		21.5	41.8	10792.5
Kwale	23.5		9.5	10.5	56.5	10752.3
Lamu					100.0	1598
Mombasa	12.6				87.4	20854.2
Taita Taveta		2.0	12.7	2.7	82.5	6711.7
Tana River	4.5			8.9	86.6	3943.2
Malindi	10.8	6.3	13.9	3.6	65.4	5669.2
Eastern	**1.9**	**2.8**	**1.7**	**13.0**	**80.6**	**103043**
Embu	1.8	7.2	3.7	5.5	81.9	7658
Isiolo	13.8	5.0		27.1	54.0	1584.4
Kitui	2.5			1.1	96.4	11219.5
Makueni	3.2	2.7		6.2	87.9	15262.8
Machakos	3.8	3.7		23.6	69.0	21581.7
Marsabit					100.0	2604.7
Mbeere		8.3	7.0		84.7	4111.6
Meru Central				29.5	70.5	11395.8
Moyale					100.0	1044.5
Mwingi			6.3		93.7	6382.4
Meru North				15.8	84.2	12453
Tharaka					100.0	2207.2
Meru South		13.6	14.0	18.3	54.1	5537.4
North Eastern	**2.1**	**2.7**	**1.2**	**4.9**	**89.1**	**18011**
Garissa	5.4	3.2	3.0		88.4	6978.8
Mandera		5.5		19.1	75.4	4661.5
Wajir					100.0	6370.7
Nyanza	**4.3**	**4.0**	**1.8**	**13.3**	**76.7**	**98251**
Gucha				6.6	93.4	8824.5
Homa Bay	5.9	2.5	1.2	15.3	75.1	6995.9
Kisii	1.8	0.5	3.5	28.4	65.9	10475
Kisumu	9.0	9.2		11.9	69.8	11609.3
Kuria	3.3			16.7	80.1	3667.4
Migori	19.0	4.9		16.1	60.1	10553.4
Nyamira		14.2	5.6	17.6	62.6	11173.9
Rachuonyo		1.0		22.3	76.7	6069.3
Siaya				5.0	95.0	12459.7
Suba					100.0	3642.8
Bondo			4.7	13.2	82.1	5949.7
Nyando	7.2	6.4	5.3		81.1	6830.1
Rift Valley	**12.8**	**8.6**	**6.6**	**8.7**	**63.3**	**163453.5**
Baringo	1.5	3.7	3.1		91.7	4652.4
Bomet		0.7			99.3	8053.4

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Table 11.12: **Contd...**

Region	500 metres or less	500 metres - 1 Km	1.1 - 2.9 Kms	3 - 4.9 Kms	5 or more Kms	Total Count
Keiyo	0.7	9.7	15.1	10.3	64.2	3596.9
Kajiado	7.1	26.5		10.8	55.6	7601.1
Kericho		14.8	35.4	15.5	34.3	11355.7
Koibatek		21.6		37.1	41.3	3335
Laikipia		12.9	14.5	4.1	68.5	9102.4
Marakwet					100.0	3562.3
Nakuru	45.8	11.4	11.5	2.2	29.1	32314.9
Nandi	2.9	8.1	1.0	23.5	64.5	14027.7
Narok				7.4	92.6	8163.4
Samburu					100.0	3314.1
Trans Mara					100.0	3531.1
Trans Nzoia	11.8	2.7	7.0	16.0	62.6	13352.4
Turkana	3.8			22.8	73.4	8286.9
Uasin Gishu	11.8			4.5	83.7	14716.7
West Pokot	14.1	16.4			69.5	6978.5
Buret	6.8	20.0		3.9	69.2	7508.6
Western	**4.7**	**4.1**	**7.9**	**18.2**	**65.1**	**73681.9**
Bungoma	10.5		16.6	32.6	40.3	17492.8
Busia	12.2	1.4	15.1	33.6	37.7	9303.7
Mt. Elgon					100.0	2819.3
Kakamega	1.1		1.4		97.5	12857.5
Lugari		9.3	5.3	0.9	84.5	4529
Teso	6.4	7.5			86.1	4247.6
Vihiga	1.0	15.3	9.9	34.5	39.4	10873.6
Butere/Mumias		4.2		6.8	89.0	11558.4

Table 11.13: **Percentage distribution of Communities by Corruption Involving Public servants**

Region	Much better	Better	About the same	Worse	Much worse	Total Count
Kenya	**8.6**	**27.6**	**16.5**	**28.8**	**18.6**	**618,216**
Rural	8.5	28.8	16.5	29.4	16.7	465,027
Urban	8.8	23.7	16.2	26.9	24.4	153,188
Nairobi	**8.9**	**25.2**	**21.7**	**19.7**	**24.5**	**58,214**
Central	**19.7**	**9.7**	**8.2**	**48.6**	**13.8**	**77,945**
Kiambu	31.9	16.5		24.3	27.3	16,456
Kirinyaga	39.0	6.9		44.0	10.1	11,118
Murang'a	36.1		16.5	39.3	8.0	8,177
Nyandarua		9.4	33.8	56.7		9,270
Nyeri	13.5	11.1	11.4	64.0		11,788
Thika	5.9	10.6	3.9	54.9	24.7	13,449
Maragua	5.7	5.8		73.1	15.4	7,687
Coast	**4.8**	**22.9**	**7.2**	**28.3**	**36.8**	**56,795**
Kilifi		33.6		50.1	16.3	9,721
Kwale		37.9	8.2	10.9	43.0	10,374
Lamu		5.4	19.0	69.4	6.2	1,476
Mombasa	1.2	12.9		28.8	57.1	20,854
Taita Taveta	14.6	17.8	22.6	21.6	23.4	6,026
Tana River	44.5	3.4	10.3	8.0	33.9	3,584
Malindi		38.6	26.2	31.0	4.3	4,760
Eastern	**6.2**	**31.5**	**19.2**	**31.8**	**11.3**	**95,886**
Embu	3.0	12.4		58.6	26.0	7,658
Isiolo		7.2	52.6	7.2	33.1	1,584
Kitui	16.9	21.1	18.1	43.9		10,310
Makueni	13.1	47.6	15.4	19.2	4.7	15,263
Machakos	4.3	35.2	21.5	17.5	21.5	19,476
Marsabit		3.6	56.1	11.3	29.0	1,633
Mbeere	14.0	39.7		31.8	14.4	4,112
Meru Central		12.3	31.5	47.2	9.0	10,510
Moyale	14.8	29.2	29.5	26.5		544
Mwingi	5.2	37.7	36.3	14.3	6.4	5,440
Meru North		35.7	16.9	40.9	6.6	11,613
Tharaka	10.4	53.2	20.0	16.4		2,207
Meru South		42.1	6.8	46.0	5.2	5,537
North Eastern	**18.9**	**26.6**	**27.5**	**11.1**	**15.8**	**17,478**
Garissa		38.7	46.4	14.9		6,445
Mandera	17.9	30.2	15.7		36.3	4,662
Wajir	38.8	11.6	17.2	15.4	16.9	6,371
Nyanza	**7.8**	**46.5**	**9.4**	**27.9**	**8.4**	**97,170**
Gucha	13.1	61.7		14.5	10.7	8,909
Homa Bay	5.7	79.8	1.8	6.6	6.1	6,996
Kisii	0.5	41.2	20.7	37.6		9,833
Kisumu	2.7	40.9		49.2	7.2	11,170
Kuria		68.8	5.9	17.4	7.9	3,583
Migori	15.8	26.5	14.0	29.9	13.8	10,553
Nyamira	10.7	47.8	15.0	25.2	1.3	11,174
Rachuonyo	7.9	23.2	7.4	36.9	24.6	6,069
Siaya		65.9	9.4	15.5	9.2	12,460
Suba	7.1	58.3	16.9	7.0	10.7	3,643
Bondo	30.6	12.3	12.8	25.9	18.4	5,950
Nyando	4.3	34.8	8.5	52.5		6,830
Rift Valley	**7.7**	**27.3**	**23.8**	**21.8**	**19.5**	**143,431**
Baringo	2.4	12.2	52.6	32.9		4,191
Bomet	38.5	5.8		27.8	27.8	8,053
Keiyo	5.0	26.4	26.2	34.2	8.2	3,597

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Table 11.13: **Contd...**

Region	Much better	Better	About the same	Worse	Much worse	Total Count
Kajiado	32.6	18.1	27.0	6.0	16.3	5,531
Kericho	10.6	36.3	39.3	8.7	5.1	10,346
Koibatek	5.7	28.4	22.6	43.4		3,160
Laikipia			6.6	31.0	62.3	5,555
Marakwet		28.0	30.0	20.4	21.7	3,562
Nakuru	7.4	24.6	22.8	23.7	21.6	25,302
Nandi		65.4		6.9	27.7	14,028
Narok	17.8	14.2	30.3	30.4	7.5	8,099
Samburu	13.5	11.5	25.0	32.3	17.7	3,314
Trans Mara		1.3	17.3	67.4	14.1	2,763
Trans Nzoia	2.7	48.9	10.1	8.5	29.8	13,352
Turkana		39.8	49.7	10.5		6,470
Uasin Gishu		0.4	42.8	32.3	24.5	14,546
West Pokot	10.9	10.6	42.8	35.7		4,052
Buret		53.3	15.7	14.0	17.0	7,509
Western	**2.5**	**22.5**	**17.2**	**30.6**	**27.2**	**71,297**
Bungoma		41.2	9.0	39.0	10.9	16,598
Busia	1.9	17.3	19.3	32.7	28.8	8,377
Mt. Elgon	6.8	14.9	25.9	33.1	19.3	2,819
Kakamega	3.0	10.1	1.9	21.2	63.9	12,858
Lugari	4.4	21.8		43.7	30.1	4,529
Teso		31.6	8.9	51.6	7.9	3,840
Vihiga		7.8	46.8	19.3	26.1	10,874
Butere/Mumias	7.8	26.2	24.3	25.2	16.5	11,402

Table 11.14: **Percentage distribution of Communities by Availability of Police Services**

Region	Much better	Better	About the same	Worse	Much worse	Total Count
Kenya	**8.5**	**33.6**	**18.0**	**26.8**	**13.1**	**617,762**
Rural	8.6	32.2	19.0	28.1	12.1	464,136
Urban	8.2	37.8	15.0	23.1	16.0	153,627
Nairobi	**17.1**	**53.6**	**17.1**	**11.7**	**0.5**	**58,214**
Central	**22.0**	**49.3**	**10.8**	**8.6**	**9.2**	**77,744**
Kiambu	49.3	19.0	8.8	4.6	18.3	17,397
Kirinyaga	46.1	21.0	7.2	15.6	10.1	11,118
Murang'a	8.2	52.3	7.8	25.4	6.3	8,177
Nyandarua	5.5	82.8	11.8			9,270
Nyeri	14.9	68.6	16.5			10,709
Thika		64.9	14.2	10.1	10.8	13,387
Maragua	8.2	61.3	9.1	9.6	11.7	7,687
Coast	**1.6**	**28.9**	**16.9**	**26.2**	**26.3**	**56,608**
Kilifi		32.6	42.0	19.7	5.7	9,518
Kwale		39.4	18.5	13.1	29.0	10,752
Lamu	14.9	71.2		7.8	6.1	1,431
Mombasa		21.7		37.9	40.4	20,854
Taita Taveta	5.7	37.7	18.2	20.7	17.6	6,026
Tana River	10.6	16.8	9.0	18.9	44.6	3,305
Malindi		14.0	46.7	35.0	4.3	4,721
Eastern	**9.1**	**38.6**	**21.0**	**20.3**	**11.0**	**97,090**
Embu	14.0	25.4		29.7	30.8	7,658
Isiolo			14.6	43.5	41.8	1,391
Kitui	15.5	21.8	36.3	21.4	5.1	11,220
Makueni		25.6	28.0	28.0	18.4	14,422
Machakos	10.8	31.6	20.9	27.1	9.6	19,476
Marsabit	20.8	8.2	41.5	11.3	18.2	1,633
Mbeere		47.3		22.2	30.4	4,112
Meru Central	13.7	46.7	21.0	18.6		10,510
Moyale		38.6	31.3	30.2		930
Mwingi		45.7	49.2		5.1	6,382
Meru North		69.2	8.6	15.5	6.6	11,613
Tharaka	14.5	77.7	7.8			2,207
Meru South	32.4	58.9	8.7			5,537
North Eastern	**12.6**	**25.1**	**30.3**	**20.6**	**11.4**	**14,048**
Garissa		31.9	43.0	21.0	4.1	6,445
Mandera		14.5	49.2	23.7	12.5	3,011
Wajir	38.6	22.6		18.1	20.8	4,592
Nyanza	**1.5**	**18.5**	**18.1**	**50.2**	**11.7**	**97,609**
Gucha		70.4	9.7	20.0		8,909
Homa Bay		15.8	9.6	74.7		6,996
Kisii		2.8	26.0	60.6	10.6	9,833
Kisumu		8.5	8.1	83.4		11,609
Kuria		21.9	35.6	34.7	7.9	3,583
Migori	2.7	11.4	29.7	22.5	33.7	10,553
Nyamira		29.7	8.1	54.4	7.7	11,174
Rachuonyo		14.5		71.2	14.3	6,069
Siaya		1.6	42.9	42.7	12.8	12,460
Suba		14.1	29.6	39.3	17.0	3,643
Bondo	15.7	17.5	5.6	42.9	18.3	5,950
Nyando	3.7	21.1	8.8	44.0	22.3	6,830
Rift Valley	**6.1**	**25.3**	**24.2**	**28.3**	**16.1**	**144,808**
Baringo		35.2	64.8			3,690
Bomet	0.3	0.3		52.2	47.2	8,053
Keiyo	19.4	39.3	9.9	26.3	5.0	3,597

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Table 11.14: **Contd...**

Region	Much better	Better	About the same	Worse	Much worse	Total Count
Kajiado	9.7	50.4	14.5	4.6	20.7	6,018
Kericho		11.4		75.8	12.8	10,933
Koibatek		42.6	23.0	34.5		3,019
Laikipia	54.4	22.5		17.7	5.5	6,748
Marakwet		34.2	38.3	21.4	6.1	3,562
Nakuru	2.6	19.7	16.5	17.0	44.2	26,542
Nandi	1.0	43.4	23.3	32.4		14,028
Narok		0.7	74.8	24.4		7,260
Samburu		43.9	27.9	14.4	13.8	3,056
Trans Mara		4.3	31.1	47.7	16.9	2,304
Trans Nzoia	23.1	59.0		17.9		13,352
Turkana		6.2	49.3	23.9	20.6	5,426
Uasin Gishu		5.2	45.5	36.1	13.3	14,546
West Pokot		23.3	54.4	13.7	8.5	5,166
Buret		35.6	35.0	29.5		7,509
Western	**5.2**	**36.2**	**8.0**	**34.8**	**15.8**	**71,640**
Bungoma	7.7	28.7	15.2	41.5	6.9	16,598
Busia	6.6	14.4	7.1	31.8	40.1	8,377
Mt. Elgon	24.5	54.4		15.9	5.2	2,819
Kakamega		38.6	6.7	46.9	7.8	12,858
Lugari		43.7		27.7	28.6	4,529
Teso	2.0	31.1	4.1	62.8		4,184
Vihiga		57.8		15.1	27.1	10,874
Butere/Mumias	10.2	34.1	13.6	29.3	12.7	11,402

Table 11.15: **Percentage distribution of Communities by Spate of Robbery.**

Region	Much better	Better	About the same	Worse	Much worse	Total Count
Kenya	**33.3**	**10.6**	**30.7**	**19.3**	**6.1**	**581,385**
Rural	35.4	11.8	30.8	14.2	7.8	436,208
Urban	26.9	7.2	30.5	34.6	0.7	145,177
Nairobi	**39.2**	**7.0**	**24.0**	**29.9**		**52,761**
Central	**36.8**	**8.3**	**29.3**	**15.7**	**9.8**	**66,611**
Kiambu	48.0		22.7	20.3	8.9	12,588
Kirinyaga	29.4	8.1	29.7	32.8		8,707
Murang'a	48.8	15.4	2.3	33.5		5,570
Nyandarua	14.0	18.0	54.7		13.3	8,762
Nyeri	49.9	14.3	22.3		13.5	11,788
Thika	41.8	6.0	27.2	7.9	17.1	12,397
Maragua	13.5		46.2	32.6	7.7	6,799
Coastal	**22.8**	**3.4**	**26.2**	**41.5**	**6.1**	**56,397**
Kilifi	14.8	4.1	58.9	22.2		10,246
Kwale	32.8	7.4	8.9	40.7	10.2	10,446
Lamu	81.6				18.4	1,476
Mombasa	4.4		24.6	71.0		20,854
Taita Taveta	59.8	13.8	13.0	3.4	10.0	5,279
Tana River	14.2		22.6	30.6	32.5	3,097
Malindi	44.4		25.8	18.5	11.3	4,998
Eastern	**41.3**	**13.5**	**23.3**	**18.4**	**3.5**	**94,510**
Embu	26.4	5.5	20.5	29.4	18.2	7,658
Isiolo	22.2	46.5	17.7	8.5	5.0	1,584
Kitui	39.0		34.2	26.8		11,220
Makueni	10.5	38.0	18.6	32.9		15,263
Machakos	36.2	15.3	24.7	23.8		20,394
Marsabit		64.6	27.1	8.2		1,633
Mbeere	47.2	4.7	21.8	6.4	19.9	4,112
Meru Central	84.8		15.2			10,510
Moyale	25.0	18.8	45.3	6.0	4.9	930
Mwingi	19.6	18.7	46.1		15.5	6,382
Meru North	65.3		18.5	16.2		10,539
Tharaka	94.5	4.1	1.4			1,694
Meru South	94.4		5.6			2,591
North Eastern	**54.0**	**13.5**	**5.2**	**9.5**	**17.7**	**12,550**
Garissa	50.0	16.5	7.4	13.8	12.2	6,180
Mandera	63.1	14.8	4.3	7.5	10.3	4,547
Wajir	45.3				54.7	1,823
Nyanza	**29.0**	**5.5**	**56.0**	**8.8**	**0.7**	**94,608**
Gucha	39.1		50.7	10.3		8,909
Homa Bay	9.2	10.3	62.2	18.3		6,493
Kisii	36.5	1.5	60.4	1.6		8,165
Kisumu	34.8	9.0	56.1			11,609
Kuria	60.3		31.8	7.9		3,583
Migori	40.1	2.1	38.8	18.9		10,553
Nyamira	13.0	6.4	78.8	1.8		11,174
Rachuonyo	49.8	1.0	42.1	7.1		6,069
Siaya	17.2		71.3	11.5		12,460
Suba	15.5	16.2	43.2	16.2	8.9	3,643
Bondo	25.0	22.2	51.9	1.0		5,372
Nyando	21.9	9.2	47.9	16.6	4.4	6,578
Rift Valley	**26.4**	**19.6**	**27.3**	**13.8**	**12.8**	**138,107**
Baringo	23.4	44.1	2.4	10.5	19.6	4,191
Bomet	8.2	8.9	14.5	15.0	53.4	8,053
Keiyo		17.6	10.4		72.0	3,597

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Table 11.15: **Contd...**

Region	Much better	Better	About the same	Worse	Much worse	Total Count
Kajiado	35.6	6.5	5.5	42.6	9.7	6,018
Kericho	40.4	6.9	45.0	3.9	3.9	10,933
Koibatek	10.5	6.7	16.4		66.3	3,160
Laikipia	40.2		37.4	22.4		2,202
Marakwet	59.6	8.0	14.1	18.2		3,310
Nakuru	10.7	12.8	39.6	34.0	2.9	25,750
Nandi	10.4	62.6	10.9	6.7	9.3	12,122
Narok	40.7	16.4	6.2		36.6	8,054
Samburu	58.1	15.0	18.6		8.2	2,416
Trans Mara	11.6	21.8	20.6	9.9	36.1	2,763
Trans Nzoia	44.4	11.6	37.7	6.3		13,352
Turkana	30.4	32.1	20.0	17.4		6,470
Uasin Gishu	20.9	10.0	68.2	1.0		11,819
West Pokot	33.7	29.2	9.4	13.6	14.1	6,387
Buret	47.4	32.3	13.4	6.8		7,509
Western	**38.9**	**5.8**	**27.7**	**25.5**	**2.1**	**65,841**
Bungoma	48.5	8.5	35.6	7.5		15,325
Busia	38.2	7.1	33.7	20.9		8,377
Mt. Elgon	82.1	7.0	4.5	6.5		2,097
Kakamega	51.7	5.9	19.9	22.5		12,858
Lugari	59.1	0.9	17.6	22.5		4,529
Teso	52.0		32.8	3.7	11.5	4,184
Vihiga	17.8		12.9	59.8	9.5	9,800
Butere/Mumias		11.6	44.3	44.1		8,673

Table 11.16: **Percentage distribution of Communities by Security Status**

Region	Very safe	Fairly safe	Unsafe	Total Count	Region	Very safe	Fairly safe	Unsafe	TotalCount
Kenya	**35.4**	**47.0**	**17.6**	**659,003**	**Nyanza**	**32.7**	**39.9**	**27.4**	**97,702**
					Gucha		61.3	38.7	8,825
Rural	39.4	45.7	14.9	498,963	Homa Bay	49.0	44.3	6.7	6,996
Urban	22.8	51.0	26.1	160,040	Kisii	3.0	44.7	52.4	10,475
					Kisumu	41.1	11.4	47.5	11,609
Nairobi	**25.8**	**48.8**	**25.5**	**58,214**	Kuria		78.4	21.6	3,667
					Migori	84.5	13.5	2.1	10,005
Central	**29.3**	**52.7**	**17.9**	**94,776**	Nyamira		67.1	32.9	11,174
Kiambu		73.4	26.6	18,473	Rachuonyo	38.1	29.6	32.3	6,069
Kirinyaga	71.3	6.5	22.2	12,960	Siaya	28.4	41.0	30.6	12,460
Murang'a	12.5	59.5	28.0	9,660	Suba	73.1	26.9		3,643
Nyandarua	37.6	55.4	6.9	10,951	Bondo	64.2	35.8		5,950
Nyeri	48.1	49.1	2.8	17,665	Nyando	38.9	40.5	20.6	6,830
Thika	20.0	60.3	19.8	15,721					
Maragua	17.2	60.1	22.7	9,347	**Rift Valley**	**49.8**	**33.7**	**16.5**	**158,112**
					Baringo	55.2	35.6	9.2	4,151
Coast	**28.3**	**63.6**	**8.1**	**60,199**	Bomet	68.6	30.6	0.8	8,053
Kilifi	12.1	78.2	9.6	10,793	Keiyo	76.6	23.4		3,416
Kwale	28.7	59.4	11.9	10,752	Kajiado	66.2	8.3	25.5	7,601
Lamu	80.5	19.5		1,476	Kericho	45.9	51.5	2.5	11,356
Mombasa	17.9	75.0	7.0	20,854	Koibatek	95.4	4.6		3,335
Taita Taveta	58.0	32.0	10.0	6,712	Laikipia	85.9	5.1	9.1	9,102
Tana River	28.1	61.0	10.9	3,943	Marakwet	86.4	13.6		3,382
Malindi	47.7	52.3		5,669	Nakuru	16.1	42.3	41.6	28,958
					Nandi	34.3	49.6	16.1	13,489
Eastern	**22.7**	**64.9**	**12.4**	**99,128**	Narok	98.7	1.3		8,163
Embu	19.8	48.6	31.5	7,395	Samburu	56.0	44.0		3,314
Isiolo	29.3	63.6	7.2	1,584	Trans Mara	82.5	12.8	4.7	3,531
Kitui	11.2	61.7	27.1	10,245	Trans Nzoia	31.5	53.2	15.3	13,352
Makueni	5.1	82.3	12.6	15,263	Turkana	12.8	22.0	65.3	8,287
Machakos	15.8	82.3	1.9	21,582	Uasin Gishu	55.7	44.3		14,717
Marsabit	30.1	39.6	30.3	2,546	West Pokot	61.0	29.2	9.8	6,979
Mbeere	75.5	23.1	1.4	4,112	Buret	62.5	37.0	0.5	6,926
Meru Central	8.6	88.7	2.7	10,510					
Moyale	4.7	85.3	9.9	1,045	**Western**	**38.5**	**43.4**	**18.1**	**73,624**
Mwingi	32.0	56.7	11.3	6,048	Bungoma	24.5	52.9	22.6	17,493
Meru North	31.5	59.0	9.5	11,613	Busia	26.7	33.9	39.4	9,304
Tharaka	84.6		15.4	2,207	Mt. Elgon	73.4	16.4	10.3	2,819
Meru South	60.2	11.9	27.8	4,979	Kakamega	52.9	37.3	9.8	12,858
					Lugari	45.9	43.4	10.7	4,529
North Eastern	**68.0**	**24.8**	**7.2**	**17,248**	Teso	11.4	77.3	11.3	4,330
Garissa	69.8	19.4	10.8	6,412	Vihiga	42.2	33.8	24.0	10,874
Mandera	19.9	68.0	12.1	4,464	Butere/Mumias	48.4	46.8	4.8	11,418
Wajir	100.0			6,371					

Table 11.17: **Percentage distribution of Communities by Security Steps Taken**

Region	Community Policing	Neibourhood Watch	Use of Watchman	Acquired Guard Dogs	Improved House Security	Changed Residence	Nothing	Total Count
Kenya	**33.2**	**19.0**	**4.7**	**6.8**	**13.6**	**2.9**	**19.8**	**632,840**
Rural	30.1	22.0	3.8	8.3	7.8	3.4	24.6	474,140
Urban	42.7	9.8	7.2	2.4	30.9	1.4	5.6	158,700
Nairobi	**67.5**	**4.1**	**8.4**		**20.0**			**58,214**
Central	**38.9**	**17.0**	**2.4**	**1.8**	**8.3**	**2.8**	**28.9**	**92,982**
Kiambu	71.3	6.3			22.4			18,473
Kirinyaga	66.3	12.5					21.2	12,960
Murang'a	38.8	32.8			1.3		27.1	9,660
Nyandarua	34.7	9.6					55.7	9,157
Nyeri	4.5	10.9	11.4	2.9	6.3		64.1	17,665
Thika	26.7	30.0	1.2	4.1	13.3	12.4	12.3	15,721
Maragua	27.2	24.6		5.6	2.2	7.1	33.4	9,347
Coast	**31.2**	**12.8**	**2.4**	**9.7**	**32.1**	**5.6**	**6.1**	**56,622**
Kilifi	44.9		7.1	20.7	8.2	14.1	5.1	10,793
Kwale	32.5	18.9	6.3	10.9	18.1		13.2	8,540
Lamu	41.5	42.7		5.9			9.8	1,476
Mombasa	20.6	14.0			58.4	7.0		20,854
Taita Taveta		15.2	1.5	22.8	29.4		31.0	5,347
Tana River	69.5	15.5			15.0			3,943
Malindi	42.5	11.7		17.6	25.1	3.1		5,669
Eastern	**22.5**	**33.7**	**5.1**	**5.8**	**11.8**	**6.1**	**15.1**	**95,843**
Embu	27.1	31.6			11.7		29.6	7,395
Isiolo	38.0	32.5	2.7		12.0	6.4	8.4	1,584
Kitui	30.9		8.3	32.9	22.5	5.4		10,245
Makueni	12.5	62.6	7.2	5.4			12.3	13,526
Machakos	14.6	53.5	4.3	4.1	16.4	1.2	6.0	21,582
Marsabit	6.3				7.8	64.5	21.5	2,372
Mbeere	33.0	15.8	3.8	13.7			33.7	4,112
Meru Central	37.7	55.3	3.1		1.5	2.4		9,411
Moyale	5.0	63.4			22.1	5.2	4.3	845
Mwingi	8.0		25.6		42.6		23.7	6,048
Meru North	41.1	14.2	0.5		11.4	24.4	8.4	11,613
Tharaka		6.2			1.1	13.6	79.0	2,132
Meru South	11.1	25.0					63.9	4,979
North Eastern	**53.7**	**16.9**	**1.0**		**9.2**		**19.1**	**16,496**
Garissa	12.2	34.9	3.0		12.5		37.4	5,661
Mandera	41.7	18.1			18.3		21.9	4,464
Wajir	99.1						0.9	6,371
Nyanza	**19.6**	**16.8**	**2.6**	**14.0**	**18.2**	**0.9**	**27.9**	**96,421**
Gucha	6.6	11.7		22.6	59.1			8,825
Homa Bay	7.4	19.2	1.8	12.7	7.7		51.1	6,996
Kisii	14.5	40.4	13.5	30.4			1.2	10,475
Kisumu	35.3	7.0	8.0	0.4	27.8		21.6	11,609
Kuria	22.6	3.3		12.3	61.8			3,667
Migori	15.3	15.1		22.1	17.5	5.5	24.6	10,005
Nyamira	30.0	8.6		41.0	8.6		11.8	11,174
Rachuonyo	1.1	7.1			36.6		55.2	5,481
Siaya	28.9	20.7		1.1	1.0		48.3	12,460
Suba	9.7	32.2	1.4		12.6	10.2	33.8	3,344
Bondo	4.7				0.9		94.4	5,950
Nyando	34.0	32.8			15.0		18.2	6,436
Rift Valley	**24.0**	**20.3**	**8.4**	**9.9**	**11.7**	**2.7**	**23.0**	**143,603**
Baringo			21.9		3.4	6.8	68.0	4,151
Bomet		10.9	1.2	36.8	16.0		35.2	6,928
Keiyo	25.4	16.9					57.8	3,225
Kajiado	8.6	13.7	17.2		19.2		41.4	7,016

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Table 11.17: **Contd...**

Region	Community Policing	Neibourhood Watch	Use of Watchman	Acquired Guard Dogs	Improved House Security	Changed Residence	Nothing	Total Count
Kericho		21.9					78.1	11,219
Koibatek	17.7	47.7					34.6	3,335
Laikipia	56.7	29.2	9.5				4.6	9,102
Marakwet		43.5	8.5	33.6	9.3	5.1		3,382
Nakuru	5.2	26.5	12.0	5.8	27.9		22.6	28,532
Nandi	19.8	42.9	11.4				25.9	10,019
Narok	47.7				2.7	17.9	31.7	4,177
Samburu	26.6	7.4			6.9	8.6	50.6	3,092
Trans Mara	9.2	31.8		25.6	21.3	8.1	4.1	2,447
Trans Nzoia	96.2		2.7		1.1			13,352
Turkana	67.5	19.7				12.8		6,241
Uasin Gishu	0.7	0.3	17.2	49.0	32.8			14,717
West Pokot	42.5	30.8		11.8		14.9		6,365
Buret	15.6	41.3	21.2	4.7	0.6	7.5	9.1	6,304
Western	**45.9**	**19.6**	**1.8**	**3.5**	**2.0**	**2.9**	**24.2**	**72,659**
Bungoma	59.9	8.2	6.0	14.7		6.6	4.6	17,493
Busia	16.9	32.5			0.8		49.7	9,176
Mt. Elgon	82.9	11.5					5.6	2,596
Kakamega	46.6	33.5			1.4	6.4	12.0	12,858
Lugari	71.8	21.1	7.1					4,213
Teso	78.2	2.0				3.5	16.3	4,177
Vihiga	22.6	31.3					46.1	10,729
Butere/Mumias	38.9	8.0			10.2		43.0	11,418

Table 11.18: **Percentage distribution of Communities by Main Source of Drinking Water**

Region	Pond	Dam	Lake	Stream/ River	Spring	Well	Borehole	Piped	Jabias/ Tank	Other	Total Count
Kenya	**1.9**	**4.0**	**1.1**	**26.8**	**17.8**	**8.0**	**12.6**	**25.7**	**0.7**	**1.5**	**672,251**
Rural	2.4	5.2	1.3	33.4	21.4	9.1	13.2	12.4	0.5	1.0	510,384
Urban	0.2	0.4	0.5	5.7	6.5	4.6	10.6	67.5	1.4	2.8	161,867
Nairobi							**1.8**	**94.3**		**3.9**	**58,214**
Central		**1.5**		**41.1**	**7.3**	**11.7**	**15.8**	**22.6**	**0.1**		**97,275**
Kiambu		5.5		25.5		7.8	49.0	11.6	0.5		18,473
Kirinyaga				63.5		8.4	12.6	15.5			12,159
Murang'a				65.8	19.7			14.5			9,660
Nyandarua		3.7		38.2		16.6	35.6	5.8			11,454
Nyeri				43.3		9.1		47.6			17,665
Thika				34.3	10.7	16.9	3.7	34.4			17,784
Maragua				30.1	32.6	23.7		13.7			10,081
Coast	**1.7**	**4.1**		**9.5**	**2.6**	**10.1**	**14.8**	**50.4**	**2.8**	**4.0**	**60,321**
Kilifi		10.0		7.9		20.4		54.7		7.1	10,793
Kwale	8.7	5.0		6.0		19.9	20.0	27.5	5.9	7.0	10,752
Lamu	6.6			7.6		8.3		62.7	9.0	5.8	1,598
Mombasa						1.2	25.7	70.9	2.2		20,854
Taita Taveta		9.1		18.6	23.4			48.9			6,712
Tana River		6.6		36.4		5.5	28.8		11.3	11.5	3,943
Malindi				24.7		20.3	4.9	44.0		6.2	5,669
Eastern	**0.4**	**6.5**	**0.3**	**34.7**	**17.5**	**10.6**	**9.8**	**19.2**		**1.0**	**103,043**
Embu				33.8	12.4	11.3		42.5			7,658
Isiolo				17.9		29.0	13.8	39.3			1,584
Kitui		11.9		51.1	5.6	5.1	24.2	2.2			11,220
Makueni		4.9		21.7	37.0	11.2	11.2	14.0			15,263
Machakos		12.7		15.3	39.4	16.1	12.3	4.2			21,582
Marsabit	5.6		13.1			47.9	18.2	15.2			2,605
Mbeere		14.2		47.7		25.1	6.7	6.2			4,112
Meru Central				17.8	20.6		6.0	55.6			11,396
Moyale	26.3	8.4				33.5	27.8			4.0	1,045
Mwingi		7.4		79.1		7.6		5.9			6,382
Meru North		5.6		56.4			6.3	23.6		8.1	12,453
Tharaka				70.5		3.3	10.9	15.3			2,207
Meru South				53.1		11.1		35.8			5,537
North Eastern	**4.2**	**19.5**		**12.3**	**1.2**	**23.3**	**18.6**	**4.5**	**10.8**	**5.7**	**18,011**
Garissa	10.8	22.9		8.0	3.0	9.4	11.1	9.0	25.8		6,979
Mandera		30.6		35.3		11.5	11.2	4.0	3.1	4.3	4,662
Wajir		7.5				47.2	32.2			13.0	6,371
Nyanza	**6.8**	**2.6**	**6.0**	**28.3**	**40.2**	**4.1**	**6.0**	**3.8**	**0.4**	**1.8**	**98,251**
Gucha					100.0						8,825
Homa Bay	10.6	-	2.5	20.6	24.0		37.4	3.1	1.8		6,996
Kisii				9.5	89.8			0.7			10,475
Kisumu			4.5	45.2	17.9	8.0		9.0		15.4	11,609
Kuria				52.5	38.6	5.4	3.5				3,667
Migori		5.2	15.1	18.1	38.5	15.9		4.5	2.7		10,553
Nyamira		7.7		16.3	75.9						11,174
Rachuonyo	33.1			60.4	6.5						6,069
Siaya	15.9			46.7	25.5	1.0	9.7	1.2			12,460
Suba	5.3		69.0				22.7	3.1			3,643
Bondo	23.7	18.4	12.5	22.5		12.3		10.6			5,950
Nyando	4.3		5.3	53.3		5.8	16.0	15.3			6,830
Rift Valley	**1.7**	**6.1**		**33.6**	**11.0**	**8.0**	**15.5**	**23.3**	**0.5**	**0.3**	**163,454**
Baringo				59.3	32.6			8.1			4,652
Bomet	13.8	33.4		42.2	0.4	8.8		1.4			8,053
Keiyo				73.3	6.0		19.1	1.7			3,597
Kajiado				11.4	23.9		21.8	39.6		3.4	7,601

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Table 11.18: **Contd...**

Region	Pond	Dam	Lake	Stream/ River	Spring	Well	Borehole	Piped	Jabias/ Tank	Other	Total Count
Kericho	3.3	9.6		20.8			7.0	59.3			11,356
Koibatek	6.5	5.2		39.6	16.0		16.2	16.5			3,335
Laikipia		24.9		23.8		9.3	7.4	25.5	9.1		9,102
Marakwet				91.1				1.4		7.5	3,562
Nakuru		2.1		29.7	7.2	4.1	20.1	36.8			32,315
Nandi				49.7	26.9	9.7	6.4	7.2			14,028
Narok		11.1		50.6	25.9	10.3		2.1			8,163
Samburu		9.1		21.6		57.8	11.5				3,314
Trans Mara	15.8	23.4		37.5	20.5			2.8			3,531
Trans Nzoia				6.5	35.5	6.0	31.6	20.4			13,352
Turkana				17.3		63.7	10.8	8.2			8,287
Uasin Gishu	1.4			18.5	0.7		45.2	34.1			14,717
West Pokot	4.0	15.7		63.4			14.4	2.5			6,979
Buret				53.2			6.3	40.6			7,509
Western	**1.4**	**0.7**	**1.3**	**18.3**	**48.3**	**5.5**	**19.7**	**3.9**		**1.0**	**73,682**
Bungoma				8.2	61.8	9.6	19.0	1.5			17,493
Busia			6.4	20.5	9.4		53.8	10.0			9,304
Mt. Elgon				38.9	39.4			21.7			2,819
Kakamega			2.6	51.3	42.2			3.9			12,858
Lugari				8.1	12.5	0.7	78.8				4,529
Teso		12.3		9.6	72.2		5.9				4,248
Vihiga				8.5	82.0			2.7		6.7	10,874
Butere/Mumias	8.9			6.5	41.6	20.1	20.7	2.1			11,558

Table 11.19: **Percentage distribution of Communities by Water availability from Protected Sources**

Region	Much better	Better	About the same	Worse	Much worse	Total Count
Kenya	**11.3**	**26.2**	**31.5**	**23.1**	**7.8**	**611,060**
Rural	10.2	24.4	32.0	25.1	8.3	458,872
Urban	14.9	31.6	30.1	17.2	6.3	152,188
Nairobi	**13.1**	**22.8**	**33.9**	**24.0**	**6.2**	**58,214**
Central	**17.6**	**17.7**	**35.0**	**14.3**	**15.5**	**70,456**
Kiambu	41.0	18.3		16.0	24.8	17,397
Kirinyaga	16.4	16.3	28.6	19.4	19.2	11,118
Murang'a		25.8	19.3	27.9	27.0	5,073
Nyandarua		18.0	63.1	18.9		7,176
Nyeri	2.6	9.7	71.9		15.7	10,114
Thika	14.4	12.6	43.3	19.3	10.4	12,098
Maragua	19.2	31.5	46.0		3.2	7,481
Coastal	**21.0**	**27.2**	**31.2**	**13.9**	**6.7**	**55,677**
Kilifi	16.8	41.7	31.5	10.0		10,793
Kwale	34.3	14.8	28.8	10.0	12.0	10,752
Lamu	29.7	57.2		11.9	1.2	1,206
Mombasa	23.3	30.5	32.6	13.6		20,854
Taita Taveta	4.7	2.0	39.6	53.7		3,897
Tana River	13.3		49.4	8.5	28.8	3,177
Malindi	7.6	38.1	19.6	4.8	29.9	4,998
Eastern	**4.1**	**28.3**	**43.3**	**20.5**	**3.9**	**98,583**
Embu	2.3	36.2	49.6	5.2	6.8	7,658
Isiolo	8.9	35.6	15.3	22.7	17.6	1,505
Kitui		16.9	62.1	21.0		11,220
Makueni	5.6	21.2	19.6	38.1	15.5	15,263
Machakos	4.8	26.4	34.3	34.4		20,394
Marsabit			88.2	3.6	8.2	1,633
Mbeere	5.0	40.4	23.5	30.0	1.0	3,733
Meru Central	2.7	49.5	26.0	21.8		10,510
Moyale	6.7	26.2	35.2	22.8	9.2	930
Mwingi			89.3	4.4	6.3	6,382
Meru North	6.6	16.0	77.4			11,613
Tharaka	6.9	64.6	28.5			2,207
Meru South	8.7	68.9	17.2	5.2		5,537
North Eastern	**6.7**	**14.5**	**30.0**	**16.2**	**32.6**	**15,239**
Garissa		35.9	60.3	3.7		5,635
Mandera	6.3	5.9	20.4	23.9	43.5	3,233
Wajir	12.8		7.9	23.4	55.8	6,371
Nyanza	**5.2**	**34.5**	**21.1**	**36.1**	**3.1**	**96,523**
Gucha		64.7	17.0	18.3		8,909
Homa Bay		43.9	35.2	10.4	10.5	6,996
Kisii	12.7	42.2	8.5	36.6		9,833
Kisumu		46.5	29.1	24.3		11,609
Kuria	5.6	12.7	40.0	41.6		3,583
Migori	11.6	22.9	44.4	21.1		10,553
Nyamira		12.9	27.9	58.2	1.0	10,309
Rachuonyo		14.5	0.7	78.5	6.4	6,069
Siaya	14.8	47.0	8.0	25.2	5.0	12,460
Suba	1.9	10.9	34.4	44.7	8.1	3,421
Bondo	6.7	20.5		57.9	14.9	5,950
Nyando		34.9	14.0	51.1		6,830
Rift Valley	**11.5**	**21.9**	**35.4**	**22.2**	**9.0**	**145,124**
Baringo	2.9	4.2	63.9		28.9	2,372
Bomet	19.6	19.3		34.2	27.0	8,053
Keiyo	10.8	21.2	8.5	50.0	9.5	3,094

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Table 11.19: **Contd...**

Region	Much better	Better	About the same	Worse	Much worse	Total Count
Kajiado	34.2	44.1	12.8	8.9		6,776
Kericho	17.7	18.7	35.9	27.8		10,933
Koibatek		20.7	14.7	55.7	8.9	2,424
Laikipia	18.0	23.8	41.1	10.0	7.1	5,172
Marakwet		7.1	8.9	73.1	10.9	3,562
Nakuru	13.1	15.1	39.0	20.4	12.5	27,287
Nandi		7.2	79.6	7.5	5.8	14,028
Narok		17.3	24.4	42.1	16.1	8,099
Samburu		26.7	66.2	7.1		3,125
Trans Mara	15.9	4.9	42.7	28.4	8.1	2,763
Trans Nzoia	29.2	53.4	6.3	11.1		13,352
Turkana		23.0	67.0	10.0		6,470
Uasin Gishu	7.1	22.3	13.6	38.7	18.3	14,546
West Pokot	10.6	21.2	59.1		9.0	5,558
Buret		24.9	60.7	14.4		7,509
Western	**15.1**	**33.6**	**16.9**	**27.7**	**6.7**	**71,244**
Bungoma	2.4	69.5	7.7	11.9	8.7	16,598
Busia	49.0	20.3	15.4	15.3		8,377
Mt. Elgon	29.8	22.7	47.4			2,683
Kakamega		1.1	3.2	90.8	4.8	12,858
Lugari		49.1		50.9		4,529
Teso		47.3	34.1	18.6		3,924
Vihiga	20.7	37.1	30.3		11.8	10,874
Butere/Mumias	28.0	16.0	27.9	15.7	12.5	11,402

Table 11.20: **Proportion of Communities by Access to Non-Farm Credit**

Region	Much better	Better	About the same	Worse	Much worse
Kenya	**5.5**	**27.6**	**24.9**	**28.1**	**13.8**
Rural	5.4	25.8	28.2	27.6	13.0
Urban	5.8	31.5	17.9	29.2	15.5
Nairobi	**4.0**	**31.0**	**8.8**	**37.2**	**18.9**
Central	**15.1**	**25.9**	**18.1**	**23.1**	**17.8**
Kiambu	29.3	33.1		18.3	19.3
Kirinyaga	52.4		20.2	27.5	
Murang'a	5.4	1.7		58.7	34.2
Nyandarua		54.0	46.0		
Nyeri		6.0	56.0		38.0
Thika		34.1	27.7	28.0	10.2
Maragua		66.4		13.6	20.0
Coast	**9.5**	**40.4**	**8.6**	**22.4**	**19.0**
Kilifi	19.4	20.4		60.2	
Kwale		100.0			
Lamu				100.0	
Mombasa	13.5	35.8		5.2	45.4
Taita Taveta	4.3	62.3	25.1	8.3	
Tana River					100.0
Malindi		30.3	22.2	47.5	
Eastern	**10.1**	**42.0**	**23.2**	**14.5**	**10.2**
Embu	3.1	60.0		27.9	9.0
Isiolo				72.6	27.4
Kitui		28.3	71.7		
Makueni	4.2	56.0	13.7	26.1	
Machakos		43.0	2.6	11.7	42.6
Marsabit		11.1	43.6	28.1	17.2
Mbeere		19.5		26.8	53.7
Meru Central	21.3	43.1	16.4	9.0	10.2
Moyale		100.0			
Mwingi		45.3	54.7		
Meru North	1.5	30.0	68.5		
Tharaka		42.9	25.3	28.4	3.4
Meru South	33.9	42.1	18.8	5.2	
North Eastern		**16.1**	**36.7**	**21.2**	**26.0**
Garissa		20.7	50.7	12.8	15.8
Mandera		12.1	18.6	54.1	15.3
Wajir					100.0
Nyanza	**1.1**	**25.6**	**19.4**	**41.2**	**12.7**
Gucha		3.1	43.1	38.5	15.4
Homa Bay		19.0	21.0	60.0	
Kisii		2.1		66.5	31.4
Kisumu		42.3	18.2	39.5	
Kuria			32.5	45.8	21.7
Migori	4.7	17.3	25.1	27.5	25.4
Nyamira			52.9	47.1	
Rachuonyo		4.9	1.9	40.8	52.3
Siaya		69.8		28.3	1.9
Suba		58.3		41.7	
Bondo	3.5	19.5		27.1	49.9
Nyando		30.5	13.2	56.3	
Rift Valley	**5.5**	**23.2**	**46.0**	**20.9**	**4.3**
Baringo	13.0		87.0		
Bomet	52.0	28.4	13.0	5.6	1.0
Kajiado		19.4	25.9	47.9	6.7

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Table 11.20: **Contd...**

Region	Much better	Better	About the same	Worse	Much worse
Kericho		84.1	8.6	3.2	4.0
Koibatek		100.0			
Laikipia	36.6	63.4			
Marakwet			32.7	67.3	
Nakuru		10.0	59.1	9.2	21.7
Nandi		27.4	60.1	12.6	
Narok		40.5	59.5		
Samburu			58.3		41.7
Trans Mara			100.0		
Trans Nzoia			96.5	3.5	
Turkana		10.5	49.5	30.5	9.5
Uasin Gishu		1.2	54.8	44.0	
West Pokot		7.8	38.7	34.0	19.5
Buret		20.8	61.9	17.4	
Western	**0.3**	**19.3**	**19.7**	**36.6**	**24.0**
Bungoma		49.0	9.5	41.4	
Busia		1.5	11.8	16.7	69.9
Mt. Elgon			40.8	5.5	53.7
Kakamega				100.0	
Lugari				97.1	2.9
Teso		24.0	18.1	47.0	10.9
Vihiga		16.4	28.8	29.2	25.6
Butere/Mumias	1.9	4.1	41.1	21.9	31.0

Table 11.21: **Percentage distribution of Communities by Knowledge of avoiding HIV/AIDS Infection**

Region	Much better	Better	About the same	Worse	Much worse	Total Count
Kenya	**30.4**	**54.3**	**6.1**	**6.5**	**2.6**	**628,420**
Rural	25.3	58.7	6.4	6.8	2.8	474,852
Urban	46.2	41.0	5.3	5.6	1.9	153,568
Nairobi	**47.5**	**41.6**		**7.6**	**3.2**	**58,214**
Central	**28.1**	**53.0**	**5.4**	**10.1**	**3.4**	**77,701**
Kiambu	32.6	33.7		24.1	9.5	16,213
Kirinyaga	63.0	26.9			10.1	11,118
Murang'a	22.4	48.4		29.2		8,177
Nyandarua	29.7	57.7	12.6			9,270
Nyeri	5.8	80.7	13.5			11,788
Thika	7.2	70.7	10.5	11.6		13,449
Maragua	42.8	57.2				7,687
Coast	**66.2**	**28.0**	**0.3**	**4.7**	**0.7**	**58,362**
Kilifi	57.6	42.4				10,793
Kwale	87.8	12.2				10,752
Lamu	38.7	61.3				1,476
Mombasa	86.7	13.0		0.3		20,854
Taita Taveta	7.9	51.7		40.3		6,026
Tana River	68.3	6.3	5.1	8.2	12.1	3,462
Malindi	29.9	70.1				4,998
Eastern	**11.4**	**74.3**	**4.3**	**3.9**	**6.2**	**98,749**
Embu	2.2	39.2	11.4	31.3	15.9	7,658
Isiolo		39.0	53.6		7.4	1,514
Kitui	16.9	83.1				11,220
Makueni	11.0	68.6	4.0		16.4	15,263
Machakos	16.7	82.3		1.0		20,394
Marsabit	29.7	10.6	59.7			1,633
Mbeere	4.8	30.2		31.3	33.7	3,889
Meru Central	12.0	79.0			9.0	10,510
Moyale	12.8	87.2				930
Mwingi	7.1	92.9				6,382
Meru North	0.8	91.0	8.2			11,613
Tharaka	22.6	77.4				2,207
Meru South	18.8	81.2				5,537
North Eastern	**10.2**	**48.5**	**27.1**	**6.0**	**8.2**	**17,478**
Garissa	11.4	61.1	27.5			6,445
Mandera		52.3	47.7			4,662
Wajir	16.4	33.0	11.7	16.4	22.4	6,371
Nyanza	**33.7**	**61.3**	**1.5**	**3.5**		**97,609**
Gucha		100.0				8,909
Homa Bay	50.1	38.2		11.7		6,996
Kisii	17.4	82.6				9,833
Kisumu	55.7	39.8		4.5		11,609
Kuria		75.3	11.0	13.7		3,583
Migori	23.6	76.4				10,553
Nyamira		92.3		7.7		11,174
Rachuonyo	52.4	47.6				6,069
Siaya	63.8	30.9	5.3			12,460
Suba	24.0	67.1	8.9			3,643
Bondo	48.9	37.9	0.9	12.3		5,950
Nyando	56.3	43.7				6,830
Rift Valley	**19.9**	**52.7**	**14.3**	**10.7**	**2.5**	**148,666**
Baringo	59.5	38.1	2.4			4,191
Bomet	26.5	67.9	5.6			8,053
Keiyo	22.8	32.7	23.2	11.9	9.3	3,597

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Table 11.21: **Contd...**

Region	Much better	Better	About the same	Worse	Much worse	Total Count
Kajiado	40.0	39.9	11.2	8.9		6,776
Kericho	18.0	82.0				10,933
Koibatek	12.3	54.0		33.7		3,160
Laikipia	44.6	55.4				6,748
Marakwet	0.7	43.0		43.4	12.9	3,562
Nakuru	24.9	35.8	21.9	12.5	4.9	25,371
Nandi	1.0	75.1	22.9	1.0		14,028
Narok	10.5	50.7	17.7	11.9	9.3	8,099
Samburu	24.1	75.9				3,314
Trans Mara	15.9	31.6	25.8	10.3	16.4	2,763
Trans Nzoia	31.3	46.9	5.0	16.8		13,352
Turkana		48.9	51.1			6,470
Uasin Gishu	8.3	51.2	12.5	28.1		14,546
West Pokot	33.6	43.5	5.2	10.5	7.1	6,193
Buret		62.9	26.8	10.3		7,509
Western	**38.3**	**55.6**	**3.8**	**2.2**	**0.1**	**71,640**
Bungoma	24.9	74.0		1.2		16,598
Busia	69.3	30.7				8,377
Mt. Elgon	14.3	71.6	14.1			2,819
Kakamega	25.6	74.4				12,858
Lugari	16.9	68.3		13.8	0.9	4,529
Teso	2.0	85.5	12.5			4,184
Vihiga	53.7	46.3				10,874
Butere/Mumias	62.3	15.1	15.7	6.9		11,402

Table 11.22: **Percentage distribution of Communities by Knowledge of Malaria Treatment/Prevention**

Region	Much better	Better	About the same	Worse	Much worse	Total Count
Kenya	**30.4**	**54.3**	**6.1**	**6.5**	**2.6**	**628,420**
Rural	25.3	58.7	6.4	6.8	2.8	474,852
Urban	46.2	41.0	5.3	5.6	1.9	153,568
Nairobi	**47.5**	**41.6**		**7.6**	**3.2**	**58,214**
Central	**28.1**	**53.0**	**5.4**	**10.1**	**3.4**	**77,701**
Kiambu	32.6	33.7		24.1	9.5	16,213
Kirinyaga	63.0	26.9			10.1	11,118
Muranga	22.4	48.4		29.2		8,177
Nyandarua	29.7	57.7	12.6			9,270
Nyeri	5.8	80.7	13.5			11,788
Thika	7.2	70.7	10.5	11.6		13,449
Maragua	42.8	57.2				7,687
Coast	**66.2**	**28.0**	**0.3**	**4.7**	**0.7**	**58,362**
Kilifi	57.6	42.4				10,793
Kwale	87.8	12.2				10,752
Lamu	38.7	61.3				1,476
Mombasa	86.7	13.0		0.3		20,854
Taita Taveta	7.9	51.7		40.3		6,026
Tana River	68.3	6.3	5.1	8.2	12.1	3,462
Malindi	29.9	70.1				4,998
Eastern	**11.4**	**74.3**	**4.3**	**3.9**	**6.2**	**98,749**
Embu	2.2	39.2	11.4	31.3	15.9	7,658
Isiolo		39.0	53.6		7.4	1,514
Kitui	16.9	83.1				11,220
Makueni	11.0	68.6	4.0		16.4	15,263
Machakos	16.7	82.3		1.0		20,394
Marsabit	29.7	10.6	59.7			1,633
Mbeere	4.8	30.2		31.3	33.7	3,889
Meru Central	12.0	79.0			9.0	10,510
Moyale	12.8	87.2				930
Mwingi	7.1	92.9				6,382
Meru North	0.8	91.0	8.2			11,613
Tharaka	22.6	77.4				2,207
Meru South	18.8	81.2				5,537
North Eastern	**10.2**	**48.5**	**27.1**	**6.0**	**8.2**	**17,478**
Garissa	11.4	61.1	27.5			6,445
Mandera		52.3	47.7			4,662
Wajir	16.4	33.0	11.7	16.4	22.4	6,371
Nyanza	**30.6**	**68.7**	**0.8**			**97,609**
Gucha	1.3	98.7				8,909
Homa Bay	46.7	53.3				6,996
Kisii	6.9	93.1				9,833
Kisumu	53.1	46.9				11,609
Kuria		79.4	20.6			3,583
Migori	23.6	76.4				10,553
Nyamira	10.7	89.3				11,174
Rachuonyo	45.3	54.7				6,069
Siaya	49.5	50.5				12,460
Suba	7.8	92.2				3,643
Bondo	48.5	51.5				5,950
Nyando	56.3	43.7				6,830
Rift Valley	**26.1**	**43.2**	**20.2**	**9.6**	**0.8**	**149,248**
Baringo	60.2	28.6	11.2			4,191
Bomet	40.5	46.5			13.0	8,053
Keiyo	8.7	48.0	8.2	35.2		3,597

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Table 11.22: **Contd...**

Region	Much better	Better	About the same	Worse	Much worse	Total Count
Kajiado	44.5	51.1	4.4			6,776
Kericho	67.3	32.7				10,933
Koibatek		49.0	17.3	33.8		3,160
Laikipia	58.4	27.9	13.6			6,748
Marakwet		20.6	1.4	72.1	5.9	3,562
Nakuru	27.5	25.5	34.9	12.1		26,567
Nandi	8.5	78.0	13.5			14,028
Narok		43.3	56.7			8,099
Samburu		47.8	52.2			2,420
Trans Mara	47.5	14.6	28.0	9.9		2,763
Trans Nzoia	38.6	56.8		4.6		13,352
Turkana		38.0	62.0			6,470
Uasin Gishu	9.2	47.5	10.3	32.9		14,546
West Pokot	34.8	37.6	18.5	9.1		6,473
Buret		59.3	40.7			7,509
Western	**34.9**	**58.5**	**2.7**	**3.8**		**71,640**
Bungoma	26.0	74.0				16,598
Busia	48.7	44.2		7.1		8,377
Mt. Elgon	24.8	44.5	16.9	13.8		2,819
Kakamega	24.8	75.2				12,858
Lugari	10.8	76.0		13.2		4,529
Teso	2.0	85.5	12.5			4,184
Vihiga	48.3	51.7				10,874
Butere/Mumias	60.7	20.7	8.3	10.3		11,402

Table 11.23: **Percentage distribution of Communities by Most Common Road Surface**

Region	Tarmac	Graveled	Earth road (maintained)	Murram track	Other	Total Count
Kenya	**11.8**	**11.1**	**45.7**	**15.5**	**15.8**	**670,636**
Rural	5.9	9.5	50.6	15.4	18.6	508,770
Urban	30.6	15.9	30.3	16.0	7.2	161,867
Nairobi	**15.5**	**27.2**	**24.1**	**22.5**	**10.6**	**58,214**
Central	**10.1**	**10.3**	**64.7**	**10.9**	**4.0**	**96,252**
Kiambu	7.6		81.9		10.5	17,451
Kirinyaga	19.6		33.1	41.1	6.3	12,159
Murang'a	23.0		60.2	16.8		9,660
Nyandarua	4.4	39.2	39.7	6.0	10.6	11,454
Nyeri	10.0	23.2	60.5	6.3		17,665
Thika	8.7	7.6	74.6	9.1		17,784
Maragua			95.4	4.6		10,081
Coast	**38.7**	**4.4**	**40.3**	**7.2**	**9.4**	**60,321**
Kilifi	2.8		97.2			10,793
Kwale	36.1	4.0	27.4	25.5	7.0	10,752
Lamu		9.2	13.3	64.2	13.3	1,598
Mombasa	88.6	7.0	4.3			20,854
Taita Taveta	3.2		47.0	2.0	47.7	6,712
Tana River	6.8	15.4	34.2	11.7	31.9	3,943
Malindi	3.3		92.5		4.2	5,669
Eastern	**2.4**	**4.7**	**56.3**	**8.9**	**27.6**	**103,043**
Embu			100.0			7,658
Isiolo		10.4	53.9	10.8	24.8	1,584
Kitui	1.2		26.4		72.5	11,220
Makueni		3.2	83.3		13.5	15,263
Machakos	2.0	4.0	90.2	3.8		21,582
Marsabit			49.0	8.1	42.9	2,605
Mbeere			100.0			4,112
Meru Central	13.4	17.6	28.8	13.4	26.8	11,396
Moyale			100.0			1,045
Mwingi	5.9		6.8	19.2	68.0	6,382
Meru North	0.5	7.0	8.1	27.8	56.5	12,453
Tharaka			32.0	24.2	43.8	2,207
Meru South		8.8	44.0	22.7	24.4	5,537
North Eastern	**2.1**	**7.9**	**81.7**		**8.3**	**18,011**
Garissa		10.6	70.5		18.8	6,979
Mandera	8.0	14.5	73.5		4.0	4,662
Wajir			100.0			6,371
Nyanza	**5.9**	**5.8**	**28.9**	**38.9**	**20.5**	**98,251**
Gucha			65.4		34.6	8,825
Homa Bay	1.8		7.7	90.4		6,996
Kisii		3.1	25.4	0.8	70.7	10,475
Kisumu	29.2		12.0	58.8		11,609
Kuria	13.8		36.6	5.7	43.8	3,667
Migori	9.7		22.2	68.2		10,553
Nyamira		17.2	10.7	6.9	65.2	11,174
Rachuonyo	2.4	8.1	14.5	75.1		6,069
Siaya	0.5	13.4	32.5	53.5		12,460
Suba			43.0	45.3	11.6	3,643
Bondo	1.1	12.3	61.4	25.2		5,950
Nyando	6.2	8.8	43.5	35.7	5.8	6,830
Rift Valley	**16.2**	**15.4**	**45.5**	**12.7**	**10.1**	**162,862**
Baringo	1.4	1.5	59.2	38.0		4,652
Bomet	0.5	9.4	80.6	9.4		8,053

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Table 11.23: **Contd...**

Region	Tarmac	Graveled	Earth road (maintained)	Murram track	Other	Total Count
Keiyo	14.6	10.5	41.9	5.6	27.4	3,597
Kajiado	8.0	10.5	81.6			7,601
Kericho	7.9		30.8	61.4		11,356
Koibatek		23.8	12.8		63.4	3,335
Laikipia	16.6		68.3	15.1		9,102
Marakwet		61.9	24.9	13.2		3,562
Nakuru	22.2	6.9	57.1	3.8	10.0	32,315
Nandi	10.8	17.0	51.3	11.4	9.6	14,028
Narok	9.9	22.2	26.8	31.6	9.5	8,163
Samburu			49.3	13.5	37.2	3,314
Trans Mara	1.0	18.0	60.8	15.6	4.7	3,531
Trans Nzoia	30.3	25.4	41.6	2.7		13,352
Turkana	9.0	11.2	8.5		71.3	8,287
Uasin Gishu	48.0	29.5	22.5			14,717
West Pokot	13.0	15.3	50.7	9.6	11.3	6,387
Buret	7.4	45.7	23.3	23.6		7,509
Western	**3.1**	**11.9**	**41.5**	**10.9**	**32.6**	**73,682**
Bungoma	1.1		1.1	8.2	89.6	17,493
Busia			67.3	20.5	12.2	9,304
Mt. Elgon		4.8	87.9	7.3		2,819
Kakamega		25.9	74.1			12,858
Lugari			89.1		10.9	4,529
Teso	2.9	17.5	9.5		70.0	4,248
Vihiga	8.5	28.0	31.7	11.8	20.0	10,874
Butere/Mumias	8.9	12.9	36.9	27.9	13.4	11,558

Table 11.24: **Percentage distribution of Communities by land inheritance by Women from husbands and region**

Region	Yes-usually	Yes-with difficulty	No	Total Count
Kenya	**80.7**	**11.6**	**7.7**	**605,686**
Rural	82.3	8.4	9.3	459,521
Urban	75.8	21.3	2.9	146,165
Nairobi	**75.6**	**23.4**	**0.9**	**51,407**
Central	**94.0**	**3.9**	**2.2**	**90,675**
Kiambu	90.1	9.0	0.9	18,136
Kirinyaga	89.1	10.9		11,444
Murang'a	100.0			8,482
Nyandarua	97.4	2.6		10,404
Nyeri	100.0			15,994
Thika	89.6		10.4	17,151
Maragua	95.8	4.2		9,064
Coast	**52.4**	**32.6**	**15.0**	**52,608**
Kilifi	58.6	2.8	38.5	8,986
Kwale	41.2	43.2	15.6	9,251
Lamu	79.1	20.9		1,501
Mombasa	46.9	53.1		18,431
Taita Taveta	86.1	13.9		5,769
Tana River	46.7	28.7	24.6	3,455
Malindi	39.9	19.4	40.7	5,216
Eastern	**87.5**	**6.6**	**5.9**	**91,683**
Embu	68.5	11.1	20.4	6,389
Isiolo	90.7	9.3		1,718
Kitui	100.0			9,715
Makueni	100.0			13,737
Machakos	87.7	12.3		18,620
Marsabit	29.2	22.7	48.1	2,834
Mbeere	43.4	19.0	37.6	3,704
Meru Central	89.9	9.3	0.9	10,354
Moyale	26.2	35.7	38.1	1,036
Mwingi	100.0			5,886
Meru North	92.4		7.6	10,967
Tharaka	100.0			2,022
Meru South	94.8	5.2		4,701
North Eastern	**43.0**	**21.0**	**36.0**	**14,519**
Garissa	95.5	4.5		4,814
Mandera	38.3	58.6	3.1	4,281
Wajir		6.0	94.0	5,425
Nyanza	**94.5**	**3.2**	**2.4**	**92,849**
Gucha	100.0			8,054
Homa Bay	100.0			6,711
Kisii	86.8		13.2	10,032
Kisumu	100.0			11,593
Kuria	100.0			2,961
Migori	93.9	6.1		10,531
Nyamira	100.0			9,982
Rachuonyo	100.0			5,709
Siaya	100.0			11,708
Suba	23.4	50.2	26.4	3,399
Bondo	100.0			5,661
Nyando	91.2	8.8		6,509
Rift Valley	**70.9**	**13.5**	**15.6**	**143,902**
Baringo	10.0	26.0	64.0	4,279
Bomet	78.2	13.0	8.8	7,038
Keiyo	81.8	18.2		2,997

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Table 11.24: **Contd...**

Region	Yes-usually	Yes-with difficulty	No	Total Count
Kajiado	100.0			6,199
Kericho	82.4	0.8	16.8	9,874
Koibatek	100.0			2,786
Laikipia	75.4	15.8	8.8	7,407
Marakwet	92.5	7.5		3,129
Nakuru	54.7	10.3	35.0	29,645
Nandi	100.0			11,264
Narok	98.8	1.2		7,589
Samburu	92.2	7.8		3,267
Trans Mara	83.1		16.9	3,219
Trans Nzoia	91.5		8.5	11,604
Turkana		79.7	20.3	7,336
Uasin Gishu	75.7	19.4	4.9	13,449
West Pokot	20.4	48.3	31.3	6,348
Buret	80.9	6.8	12.2	6,474
Western	**89.7**	**8.5**	**1.8**	**68,044**
Bungoma	72.2	27.8		16,305
Busia	82.7	5.1	12.2	8,899
Mt. Elgon	100.0			2,305
Kakamega	100.0			12,337
Lugari	90.9	9.1		4,109
Teso	89.6	10.4		3,829
Vihiga	100.0			9,504
Butere/Mumias	98.6		1.4	10,756

Table 11.25: **Percentage distribution of Communities by land inheritance by women from fathers**

Region	Yes-usually	Yes-with difficulty	No	Total Count
Kenya	**11.9**	**39.6**	**48.5**	**605,686**
Rural	8.3	39.3	52.4	459,521
Urban	23.4	40.5	36.1	146,165
Nairobi	**31.4**	**54.3**	**14.3**	**51,407**
Central	**19.8**	**60.2**	**20.0**	**90,675**
Kiambu	28.3	63.8	7.9	18,136
Kirinyaga	37.6	45.0	17.4	11,444
Murang'a		53.2	46.8	8,482
Nyandarua	16.5	80.1	3.4	10,404
Nyeri	28.1	65.6	6.3	15,994
Thika	7.6	41.2	51.3	17,151
Maragua	10.9	82.2	6.9	9,064
Coast	**25.5**	**28.0**	**46.5**	**52,608**
Kilifi		15.8	84.2	8,986
Kwale	41.3	23.1	35.6	9,251
Lamu	59.5	25.1	15.4	1,501
Mombasa	44.6	36.9	18.5	18,431
Taita Taveta	1.2	25.6	73.2	5,769
Tana River	12.0	33.3	54.7	3,455
Malindi		25.8	74.2	5,216
Eastern	**7.5**	**59.3**	**33.2**	**91,683**
Embu	51.6	28.8	19.5	6,389
Isiolo	8.3	91.7		1,718
Kitui	16.6	46.8	36.6	9,715
Makueni		80.3	19.7	13,737
Machakos	1.0	65.5	33.5	18,620
Marsabit	5.6	26.4	68.0	2,834
Mbeere	11.5	23.0	65.5	3,704
Meru Central	2.4	64.6	33.0	10,354
Moyale	6.0	39.0	55.0	1,036
Mwingi	6.3	48.4	45.4	5,886
Meru North		69.3	30.7	10,967
Tharaka		23.9	76.1	2,022
Meru South	7.0	76.1	16.9	4,701
North Eastern	**56.1**	**38.7**	**5.2**	**14,519**
Garissa	92.4	7.6		4,814
Mandera	56.5	43.5		4,281
Wajir	23.6	62.6	13.9	5,425
Nyanza	**0.2**	**7.7**	**92.2**	**92,849**
Gucha			100.0	8,054
Homa Bay		7.7	92.3	6,711
Kisii	1.0	17.7	81.4	10,032
Kisumu	0.4		99.6	11,593
Kuria			100.0	2,961
Migori		11.0	89.0	10,531
Nyamira		29.9	70.1	9,982
Rachuonyo		11.3	88.7	5,709
Siaya			100.0	11,708
Suba			100.0	3,399
Bondo		0.9	99.1	5,661
Nyando			100.0	6,509
Rift Valley	**6.3**	**30.1**	**63.6**	**143,902**
Baringo		16.7	83.3	4,279
Bomet		76.3	23.7	7,038
Keiyo		30.5	69.5	2,997

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Table 11.25: **Contd...**

Region	Yes-usually	Yes-with difficulty	No	Total Count
Kajiado	29.3	50.7	20.0	6,199
Kericho	6.2	46.2	47.6	9,874
Koibatek	10.9	61.5	27.6	2,786
Laikipia	21.4	22.0	56.7	7,407
Marakwet			100.0	3,129
Nakuru	14.7	34.6	50.7	29,645
Nandi		41.1	58.9	11,264
Narok			100.0	7,589
Samburu		32.2	67.8	3,267
Trans Mara	7.8		92.2	3,219
Trans Nzoia	1.1	4.8	94.1	11,604
Turkana		79.7	20.3	7,336
Uasin Gishu		0.7	99.3	13,449
West Pokot		23.3	76.7	6,348
Buret		20.4	79.6	6,474
Western	**1.0**	**47.4**	**51.6**	**68,044**
Bungoma		60.8	39.2	16,305
Busia		35.5	64.5	8,899
Mt. Elgon	7.5	15.8	76.7	2,305
Kakamega	1.1	53.1	45.9	12,337
Lugari		10.2	89.8	4,109
Teso		20.4	79.6	3,829
Vihiga		59.1	40.9	9,504
Butere/Mumias	3.8	50.6	45.7	10,756

Table 11.26: **Percentage distribution of response by communities on land under forests**

Region	Acres								Total Count
	1 or less	2 - 5	6 - 10	11 - 19	20 - 29	30 - 39	40 - 49	50 or more	
Kenya	**76.2**	**6.8**	**5.4**	**0.8**	**5.9**	**1.2**	**1.9**	**1.7**	**605,686**
Rural	70.9	8.1	6.7	1.0	7.2	1.5	2.5	2.1	459,521
Urban	92.9	2.7	1.5	0.2	1.8	0.2		0.8	146,165
Nairobi	**99.2**		**0.1**					**0.7**	**51,407**
Central	**88.4**	**5.3**	**4.0**		**1.0**		**1.3**		**90,675**
Kiambu	62.2	18.9	10.7		4.8		3.4		18,136
Kirinyaga	78.7	11.7	9.6						11,444
Murang'a	100.0								8,482
Nyandarua	88.2		6.0				5.8		10,404
Nyeri	100.0								15,994
Thika	100.0								17,151
Maragua	100.0								9,064
Coast	**73.4**	**6.8**	**8.4**	**0.7**	**4.0**	**1.2**	**2.8**	**2.7**	**52,608**
Kilifi	92.1		7.9						8,986
Kwale	32.4	7.9	26.5	2.8	8.5		15.4	6.4	9,251
Lamu	52.4		5.5	5.8		9.0	4.9	22.6	1,501
Mombasa	81.0	10.3	5.7		3.0				18,431
Taita Taveta	91.6	8.4							5,769
Tana River	57.2	13.4	4.1		10.5			14.9	3,455
Malindi	83.4				7.5	9.1			5,216
Eastern	**70.4**	**5.3**	**9.0**	**1.9**	**3.7**	**1.5**	**5.5**	**2.7**	**91,683**
Embu	79.6		11.4	9.1					6,389
Isiolo	81.3	11.6	7.1						1,718
Kitui	27.9	28.5	16.5		7.7	5.6	13.7		9,715
Makueni	86.5							13.5	13,737
Machakos	84.7		5.6				9.8		18,620
Marsabit	94.5	5.5							2,834
Mbeere	78.1		5.0			10.1		6.7	3,704
Meru Central	98.1	1.9							10,354
Moyale	12.8	6.0	14.3		10.0	12.6	4.4	39.9	1,036
Mwingi	12.5	7.4	18.1	10.0	32.2	5.8	14.0		5,886
Meru North	83.4		7.6				8.9		10,967
Tharaka	36.9	16.1	39.7	7.4					2,022
Meru South	24.9	15.8	36.5	9.0	13.8				4,701
North Eastern	**73.5**	**2.4**	**1.0**		**9.9**		**3.0**	**10.3**	**14,519**
Garissa	86.2		3.0		10.8				4,814
Mandera	39.9	8.0			21.4		10.0	20.6	4,281
Wajir	88.6							11.4	5,425
Nyanza	**87.7**	**3.5**	**2.7**	**0.3**	**4.1**		**0.8**	**0.8**	**92,849**
Gucha	93.4				6.6				8,054
Homa Bay	81.2	7.7	11.1						6,711
Kisii	100.0								10,032
Kisumu	88.8	3.6	3.8		3.7				11,593
Kuria	91.4	3.2	5.4						2,961
Migori	84.7	0.9	2.5		11.9				10,531
Nyamira	100.0								9,982
Rachuonyo	63.3	16.0	7.9					12.8	5,709
Siaya	90.3				9.7				11,708
Suba	38.8	18.4	4.3	8.9	7.1		22.5		3,399
Bondo	95.3				4.7				5,661
Nyando	86.9	8.8	4.3						6,509
Rift Valley	**63.9**	**10.7**	**6.2**	**1.3**	**11.3**	**2.7**	**1.2**	**2.8**	**143,902**
Baringo	57.5		2.1		29.6		10.8		4,279
Bomet	57.2	5.8	19.5		17.5				7,038

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Table 11.26: **Contd...**

Region	Acres								Total Count
	1 or less	2 - 5	6 - 10	11 - 19	20 - 29	30 - 39	40 - 49	50 or more	
Keiyo	37.8	16.2	7.6			10.6		27.7	2,997
Kajiado	86.4						8.7	4.9	6,199
Kericho	21.5	5.6	6.7		53.5	12.6			9,874
Koibatek	77.6				6.2			16.2	2,786
Laikipia	87.2	4.4			8.3				7,407
Marakwet	66.4	25.6	8.0						3,129
Nakuru	63.5	13.1	2.7		12.7		2.3	5.8	29,645
Nandi	74.0	18.3	7.7						11,264
Narok	32.1		43.0		24.9				7,589
Samburu	49.6			7.8		25.0		17.6	3,267
Trans Mara	44.8	50.7						4.5	3,219
Trans Nzoia	100.0								11,604
Turkana	29.5	41.1	4.0	7.4	17.9				7,336
Uasin Gishu	84.6	6.7	0.4	8.4					13,449
West Pokot	68.4	8.8	8.1			14.7			6,348
Buret	62.2	12.2	7.5		10.3	7.8			6,474
Western	**63.8**	**13.2**	**7.3**	**0.8**	**11.4**	**2.2**	**1.3**		**68,044**
Bungoma	7.8	31.8	18.5		34.9	7.0			16,305
Busia	55.9	21.0	0.8	6.5	9.4		6.5		8,899
Mt. Elgon	100.0								2,305
Kakamega	91.8		8.2						12,337
Lugari	99.1				0.9				4,109
Teso	29.8	20.7	1.9		30.6	9.1	7.9		3,829
Vihiga	79.7	11.8	8.5						9,504
Butere/Mumias	100.0								10,756

Table 11.27: **Percentage distribution of response by communities on Land Use**

Region	Farming	Planned housing	Unplanned settlement	Industry/ Manufacturing	Shops/ Trade	Other	Total Count
Kenya	**70.5**	**13.6**	**12.2**	**0.2**	**0.4**	**3.0**	**605,686**
Rural	88.3	3.6	4.9	0.2	0.1	2.9	459,521
Urban	14.5	45.2	35.2	0.1	1.3	3.6	146,165
Nairobi		**64.7**	**30.0**			**5.3**	**51,407**
Central	**80.1**	**11.8**	**7.8**	**0.2**	**0.1**		**90,675**
Kiambu	63.1	20.3	16.1		0.5		18,136
Kirinyaga	100.0						11,444
Muranga	97.9	2.1					8,482
Nyandarua	82.0	2.6	15.4				10,404
Nyeri	85.3	12.0	2.8				15,994
Thika	59.8	27.1	12.1	1.1			17,151
Maragua	100.0						9,064
Coast	**46.7**	**15.1**	**31.6**		**0.9**	**5.7**	**52,608**
Kilifi	77.2	15.7			4.3	2.8	8,986
Kwale	76.7	2.6	13.5			7.2	9,251
Lamu	76.8		23.2				1,501
Mombasa		22.8	72.5			4.8	18,431
Taita Taveta	71.4	3.8	23.7		1.2		5,769
Tana River	46.8	9.6	8.9			34.7	3,455
Malindi	69.9	30.1					5,216
Eastern	**88.3**	**6.2**	**2.7**		**0.6**	**2.3**	**91,683**
Embu	83.4	16.6					6,389
Isiolo	16.7	8.3	50.8			24.2	1,718
Kitui	95.2	3.7	1.1				9,715
Makueni	94.1	3.2	1.6		1.1		13,737
Machakos	84.4	15.0			0.7		18,620
Marsabit	31.1	2.2	11.5			55.1	2,834
Mbeere	93.8				6.2		3,704
Meru Central	93.6	3.6	2.8				10,354
Moyale	50.8	10.0	26.4			12.8	1,036
Mwingi	94.1	2.1	3.8				5,886
Meru North	98.0	0.7	1.3				10,967
Tharaka	98.9					1.1	2,022
Meru South	97.4	2.6					4,701
North Eastern	**44.3**	**8.6**	**32.7**		**1.1**	**13.4**	**14,519**
Garissa		13.2	43.3		3.2	40.4	4,814
Mandera	30.4	7.4	62.2				4,281
Wajir	94.4	5.6					5,425
Nyanza	**85.8**	**3.0**	**9.9**		**0.5**	**0.9**	**92,849**
Gucha	98.6				1.4		8,054
Homa Bay	87.5	1.8	10.7				6,711
Kisii	94.1	5.9					10,032
Kisumu	67.6	8.4	24.0				11,593
Kuria	98.7					1.3	2,961
Migori	58.2	2.7	29.6		2.0	7.5	10,531
Nyamira	99.1				0.9		9,982
Rachuoyo	99.0	1.0					5,709
Siaya	98.3		1.7				11,708
Suba	50.6	14.2	35.2				3,399
Bondo	94.2		4.9		0.9		5,661
Nyando	82.9	3.7	13.4				6,509
Rift Valley	**68.8**	**12.8**	**11.8**	**0.8**	**0.6**	**5.1**	**143,902**
Baringo	92.5	4.6	2.9				4,279
Bomet	98.6		1.1			0.3	7,038
Keiyo	82.7	0.7	5.1			11.5	2,997

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Table 11.27: **Contd...**

Region	Farming	Planned housing	Unplanned settlement	Industry/ Manufacturing	Shops/ Trade	Other	Total Count
Kajiado	23.4	41.9	9.8		4.9	20.0	6,199
Kericho	55.1	34.5	6.6			3.7	9,874
Koibatek	84.2		15.8				2,786
Laikipia	83.6	8.2	4.6			3.6	7,407
Marakwet	67.6		32.4				3,129
Nakuru	58.1	27.0	11.2	3.8			29,645
Nandi	88.9	1.0	2.9			7.2	11,264
Narok	96.8				3.2		7,589
Samburu	100.0						3,267
Trans Mara	92.7		4.5		1.8	1.0	3,219
Trans Nzioa	73.4	20.6	6.0				11,604
Turkana			37.7		4.4	57.9	7,336
Uasin Gishu	48.1	5.3	46.6				13,449
West Pokot	94.4	5.6					6,348
Buret	97.2	0.8	1.5			0.5	6,474
Western	**93.5**	**3.9**	**1.9**			**0.7**	**68,044**
Bungoma	94.3	2.6	1.1			2.0	16,305
Busia	96.1	0.9	3.0				8,899
Mt. Elgon	97.8	2.2					2,305
Kakamega	86.4	10.1	3.5				12,337
Lugari	87.6	11.6	0.8				4,109
Teso	89.1	3.5	4.0			3.4	3,829
Vihiga	98.7	1.3					9,504
Butere/Mumias	96.2	1.4	2.4				10,756

Table 11.28: **Percentage distribution of Communities by most common Religion**

Region	None	Traditional	Islam	Christian	Hindu	Other	Total Count
Kenya	**0.9**	**3.4**	**9.4**	**86.1**	**0.1**	**0.1**	**605,686**
Rural	1.1	4.2	6.3	88.4			459,521
Urban	0.2	0.8	19.5	79.0	0.2	0.3	146,165
Nairobi		**0.3**	**14.1**	**84.1**	**0.5**	**0.9**	**51,407**
Central	**0.5**		**2.3**	**97.2**			**90,675**
Kiambu			4.8	95.2			18,136
Kirinyaga				100.0			11,444
Murang'a	5.3		5.9	88.8			8,482
Nyandarua				100.0			10,404
Nyeri				100.0			15,994
Thika			4.2	95.8			17,151
Maragua				100.0			9,064
Coast		**9.0**	**52.5**	**38.5**			**52,608**
Kilifi		45.7	19.4	34.9			8,986
Kwale			92.8	7.2			9,251
Lamu			60.5	39.5			1,501
Mombasa			67.1	32.9			18,431
Taita Taveta				100.0			5,769
Tana River			89.0	11.0			3,455
Malindi		12.4	18.0	69.7			5,216
Eastern	**0.9**	**3.8**	**5.3**	**90.0**			**91,683**
Embu			8.7	91.3			6,389
Isiolo			78.2	21.8			1,718
Kitui		9.5	1.1	89.4			9,715
Makueni		5.2	1.6	93.2			13,737
Machakos			1.0	99.0			18,620
Marsabit		48.7	28.6	22.7			2,834
Mbeere			13.0	87.0			3,704
Meru Central	7.9		0.9	91.2			10,354
Moyale			91.6	8.4			1,036
Mwingi		7.1	2.1	90.8			5,886
Meru North				100.0			10,967
Tharaka		3.4		96.6			2,022
Meru South				100.0			4,701
North Eastern	**1.4**		**94.5**	**4.1**			**14,519**
Garissa	4.1		95.9				4,814
Mandera			85.9	14.1			4,281
Wajir			100.0				5,425
Nyanza	**1.4**	**0.9**	**0.6**	**97.0**	**0.0**		**92,849**
Gucha	6.2			93.8			8,054
Homa Bay				100.0			6,711
Kisii		0.8	1.0	98.2			10,032
Kisumu			3.7	95.9	0.4		11,593
Kuria	8.4			91.6			2,961
Migori		7.5		92.5			10,531
Nyamira				100.0			9,982
Rachuonyo				100.0			5,709
Siaya	1.7			98.3			11,708
Suba	10.9			89.1			3,399
Bondo				100.0			5,661
Nyando				100.0			6,509
Rift Valley	**0.9**	**7.7**	**0.4**	**91.0**			**143,902**
Baringo		6.0		94.0			4,279
Bomet				100.0			7,038
Keiyo				100.0			2,997
Kajiado				100.0			6,199

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Table 11.28: **Contd...**

Region	None	Traditional	Islam	Christian	Hindu	Other	Total Count
Kericho	3.7			96.3			9,874
Koibatek			10.9	89.1			2,786
Laikipia				100.0			7,407
Marakwet	4.9			95.1			3,129
Nakuru		0.6		99.4			29,645
Nandi				100.0			11,264
Narok		24.9		75.1			7,589
Samburu		50.5		49.5			3,267
Trans Mara		20.6		79.4			3,219
Trans Nzoia			1.8	98.2			11,604
Turkana		79.6		20.4			7,336
Uasin Gishu			0.5	99.5			13,449
West Pokot		10.3		89.7			6,348
Buret	12.2			87.8			6,474
Western	**2.0**		**0.8**	**97.2**			**68,044**
Bungoma	7.0		0.7	92.3			16,305
Busia				100.0			8,899
Mt. Elgon	9.0			91.0			2,305
Kakamega				100.0			12,337
Lugari				100.0			4,109
Teso			3.5	96.5			3,829
Vihiga				100.0			9,504
Butere/Mumias			3.0	97.0			10,756

Table 11.29: **Proportion of Communities by level of Infrastructure Maintenance**

Region	Much better	Better	About the same	Worse	Much worse
Kenya	**11.3**	**30.9**	**21.8**	**25.9**	**10.2**
Rural	9.9	33.4	20.2	28.5	8.0
Urban	14.2	25.6	25.2	20.1	14.9
Nairobi	**18.0**	**17.9**	**32.1**	**15.9**	**16.2**
Central	**26.7**	**16.7**	**14.3**	**35.3**	**7.0**
Kiambu	30.2		40.0	2.2	27.5
Kirinyaga	55.1	24.8		20.2	
Murang'a	22.1	19.4	14.3	44.3	
Nyandarua		38.3	15.8	46.0	
Nyeri	48.2		6.0	39.6	6.3
Thika	11.2	20.7	8.4	59.7	
Maragua	6.3	36.9		56.8	
Coast	**4.4**	**24.7**	**12.8**	**34.0**	**24.1**
Kilifi		67.3		32.7	
Kwale					100.0
Lamu				94.7	5.3
Mombasa		18.1	15.5	15.7	50.7
Taita Taveta	10.2	2.5	18.1	69.2	
Tana River	100.0				
Malindi		45.7	22.2	32.1	
Eastern	**7.0**	**29.7**	**14.7**	**41.1**	**7.6**
Embu	9.5	33.7	18.4	36.1	2.2
Isiolo			26.8	45.7	27.4
Kitui		14.0		86.0	
Makueni		27.3	3.0	62.4	7.3
Machakos		42.4	22.9	11.7	23.0
Marsabit	31.3	4.9	40.6	12.1	11.1
Mbeere	27.1	6.9	6.7	27.8	31.5
Meru Central	9.0	29.0	9.8	52.3	
Moyale		100.0			
Mwingi		42.7	57.3		
Meru North	1.3	25.3	14.4	59.1	
Tharaka	4.4	31.3		31.5	32.9
Meru South	6.8	45.3	22.9	17.0	8.0
North Eastern	**13.7**	**14.4**	**25.7**	**29.8**	**16.4**
Garissa	9.2	3.9	33.0	41.2	12.7
Mandera		30.9	19.6	15.0	34.5
Wajir	63.5	36.5			
Nyanza	**4.8**	**57.7**	**11.0**	**22.0**	**4.5**
Gucha	10.4	89.6			
Homa Bay	1.2	79.1		12.5	7.2
Kisii		8.9		91.1	
Kisumu	17.5	67.5	14.3	0.7	
Kuria		78.3			21.7
Migori	6.9	48.6	19.9	17.0	7.5
Nyamira		47.1	52.9		
Rachuonyo		31.9	7.7	60.3	
Siaya		56.2		43.8	
Suba		4.3	58.3	6.4	31.0
Bondo		50.1		49.9	
Nyando		48.5	12.6	30.4	8.4
Rift Valley	**7.5**	**26.3**	**31.6**	**24.4**	**10.1**
Baringo	18.6		81.4		
Bomet	20.4	33.2	0.4	45.8	0.2
Kajiado	19.7		38.0	22.5	19.8

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Table 11.20: **Contd...**

Region	Much better	Better	About the same	Worse	Much worse
Kericho	12.7	35.4	45.4	6.5	
Koibatek		52.2	47.8		
Laikipia			100.0		
Marakwet	19.2	10.7	16.1	28.2	25.7
Nakuru		58.5	25.8	5.6	10.0
Nandi		44.7	39.7	15.6	
Narok		19.6	78.3	2.1	
Samburu	41.7			58.3	
Trans Mara			100.0		
Trans Nzoia	3.5	18.7	23.2	37.5	17.0
Turkana		12.4	60.9	9.5	17.2
Uasin Gishu	5.3	17.6	25.0	30.0	22.0
West Pokot		24.1	27.7	48.2	
Buret	8.1	15.7	9.6	57.3	9.4
Western	**12.2**	**40.9**	**18.2**	**18.8**	**9.9**
Bungoma	1.6	60.3	10.2	27.0	0.9
Busia	17.2	54.1	3.4	13.7	11.5
Mt. Elgon	35.1	5.5	43.2	2.9	13.2
Kakamega		51.3		48.7	
Lugari	31.9	39.6		28.5	
Teso	8.6	42.5		48.9	
Vihiga	1.1	21.0	43.6		34.3
Butere/Mumias	37.3	22.4	27.9	10.3	2.1

Annex 1 List of Personnel that participated in the Kenya Integrated Household Budget Survey

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Name	Position
A.K.M. Kilele	Director of Statistics
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Monyoncho Maina	KIHBS Logistics and Administration Manager
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Njoroge Nyoike	Secretariat
Priscilla Owino	Secretary

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Silas M. Mulwah	Uasin Gishu, Marakwet, Keiyo, Koibatek.	**Monyoncho Maina J.K.**	Kiambu, Nairobi, Kericho, Bomet, Nandi and Buret
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