

Exploring Kenya's Inequality

Pulling Apart or Pooling Together?

Kakamega County



Published by



Kenya National Bureau of Statistics
P.O. Box 30266-00100 Nairobi, Kenya
Email: info@knbs.or.ke Website: www.knbs.or.ke



Society for International Development – East Africa
P.O. Box 2404-00100 Nairobi, Kenya
Email: sidea@sidint.org | Website: www.sidint.net

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Written by:

Eston Ngugi

Data and tables generation:

Samuel Kipruto

Paul Samoei

Maps generation:

George Matheka Kamula

Technical Input and Editing:

Katindi Sivi-Njonjo

Jason Lakin

Copy Editing:

Ali Nadim Zaidi

Leonard Wanyama

Design, Print and Publishing:

Ascent Limited

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Table of contents

Table of contents	iii
Foreword	iv
Acknowledgements	v
Striking features on inter-county inequalities in Kenya	vi
List of Figures	viii
List Annex Tables	ix
Abbreviations	xi
Introduction	2
Kakamega County	9



Foreword

Kenya, like all African countries, focused on poverty alleviation at independence, perhaps due to the level of vulnerability of its populations but also as a result of the ‘trickle down’ economic discourses of the time, which assumed that poverty rather than distribution mattered – in other words, that it was only necessary to concentrate on economic growth because, as the country grew richer, this wealth would trickle down to benefit the poorest sections of society. Inequality therefore had a very low profile in political, policy and scholarly discourses. In recent years though, social dimensions such as levels of access to education, clean water and sanitation are important in assessing people’s quality of life. Being deprived of these essential services deepens poverty and reduces people’s well-being. Stark differences in accessing these essential services among different groups make it difficult to reduce poverty even when economies are growing. According to the *Economist* (June 1, 2013), a 1% increase in incomes in the most unequal countries produces a mere 0.6 percent reduction in poverty. In the most equal countries, the same 1% growth yields a 4.3% reduction in poverty. Poverty and inequality are thus part of the same problem, and there is a strong case to be made for both economic growth and redistributive policies. From this perspective, Kenya’s quest in vision 2030 to grow by 10% per annum must also ensure that inequality is reduced along the way and all people benefit equitably from development initiatives and resources allocated.

Since 2004, the Society for International Development (SID) and Kenya National Bureau of Statistics (KNBS) have collaborated to spearhead inequality research in Kenya. Through their initial publications such as ‘*Pulling Apart: Facts and Figures on Inequality in Kenya*,’ which sought to present simple facts about various manifestations of inequality in Kenya, the understanding of Kenyans of the subject was deepened and a national debate on the dynamics, causes and possible responses started. The report ‘*Geographic Dimensions of Well-Being in Kenya: Who and Where are the Poor?*’ elevated the poverty and inequality discourse further while the publication ‘*Readings on Inequality in Kenya: Sectoral Dynamics and Perspectives*’ presented the causality, dynamics and other technical aspects of inequality.

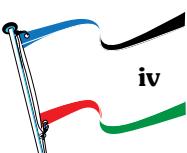
KNBS and SID in this publication go further to present monetary measures of inequality such as expenditure patterns of groups and non-money metric measures of inequality in important livelihood parameters like employment, education, energy, housing, water and sanitation to show the levels of vulnerability and patterns of unequal access to essential social services at the national, county, constituency and ward levels.

We envisage that this work will be particularly helpful to county leaders who are tasked with the responsibility of ensuring equitable social and economic development while addressing the needs of marginalized groups and regions. We also hope that it will help in informing public engagement with the devolution process and be instrumental in formulating strategies and actions to overcome exclusion of groups or individuals from the benefits of growth and development in Kenya.

It is therefore our great pleasure to present ‘Exploring Kenya’s inequality: Pulling apart or pooling together?’

Ali Hersi

Society for International Development (SID)
Regional Director

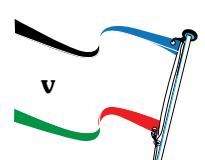


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Stefano Prato
Managing Director,
SID



Striking Features on Intra-County Inequality in Kenya

Inequalities within counties in all the variables are extreme. In many cases, Kenyans living within a single county have completely different lifestyles and access to services.

Income/expenditure inequalities

1. The five counties with the worst income inequality (measured as a ratio of the top to the bottom decile) are in Coast. The ratio of expenditure by the wealthiest to the poorest is 20 to one and above in Lamu, Tana River, Kwale, and Kilifi. This means that those in the top decile have 20 times as much expenditure as those in the bottom decile. This is compared to an average for the whole country of nine to one.
2. Another way to look at income inequality is to compare the mean expenditure per adult across wards within a county. In 44 of the 47 counties, the mean expenditure in the poorest wards is less than 40 percent the mean expenditure in the wealthiest wards within the county. In both Kilifi and Kwale, the mean expenditure in the poorest wards (Garashi and Ndavaya, respectively) is less than 13 percent of expenditure in the wealthiest ward in the county.
3. Of the five poorest counties in terms of mean expenditure, four are in the North (Mandera, Wajir, Turkana and Marsabit) and the last is in Coast (Tana River). However, of the five most unequal counties, only one (Marsabit County) is in the North (looking at ratio of mean expenditure in richest to poorest ward). The other four most unequal counties by this measure are: Kilifi, Kwale, Kajiado and Kitui.
4. If we look at Gini coefficients for the whole county, the most unequal counties are also in Coast: Tana River (.631), Kwale (.604), and Kilifi (.570).
5. The most equal counties by income measure (ratio of top decile to bottom) are: Narok, West Pokot, Bomet, Nandi and Nairobi. Using the ratio of average income in top to bottom ward, the five most equal counties are: Kirinyaga, Samburu, Siaya, Nyandarua, Narok.

Access to Education

6. Major urban areas in Kenya have high education levels but very large disparities. Mombasa, Nairobi and Kisumu all have gaps between highest and lowest wards of nearly 50 percentage points in share of residents with secondary school education or higher levels.
7. In the 5 most rural counties (Baringo, Siaya, Pokot, Narok and Tharaka Nithi), education levels are lower but the gap, while still large, is somewhat lower than that espoused in urban areas. On average, the gap in these 5 counties between wards with highest share of residents with secondary school or higher and those with the lowest share is about 26 percentage points.
8. The most extreme difference in secondary school education and above is in Kajiado County where the top ward (Ongata Rongai) has nearly 59 percent of the population with secondary education plus, while the bottom ward (Mosiro) has only 2 percent.
9. One way to think about inequality in education is to compare the number of people with no education



to those with some education. A more unequal county is one that has large numbers of both. Isiolo is the most unequal county in Kenya by this measure, with 51 percent of the population having no education, and 49 percent with some. This is followed by West Pokot at 55 percent with no education and 45 percent with some, and Tana River at 56 percent with no education and 44 with some.

Access to Improved Sanitation

10. Kajiado County has the highest gap between wards with access to improved sanitation. The best performing ward (Ongata Rongai) has 89 percent of residents with access to improved sanitation while the worst performing ward (Mosiro) has 2 percent of residents with access to improved sanitation, a gap of nearly 87 percentage points.
11. There are 9 counties where the gap in access to improved sanitation between the best and worst performing wards is over 80 percentage points. These are Baringo, Garissa, Kajiado, Kericho, Kilifi, Machakos, Marsabit, Nyandarua and West Pokot.

Access to Improved Sources of Water

12. In all of the 47 counties, the highest gap in access to improved water sources between the county with the best access to improved water sources and the least is over 45 percentage points. The most severe gaps are in Mandera, Garissa, Marsabit, (over 99 percentage points), Kilifi (over 98 percentage points) and Wajir (over 97 percentage points).

Access to Improved Sources of Lighting

13. The gaps within counties in access to electricity for lighting are also enormous. In most counties (29 out of 47), the gap between the ward with the most access to electricity and the least access is more than 40 percentage points. The most severe disparities between wards are in Mombasa (95 percentage point gap between highest and lowest ward), Garissa (92 percentage points), and Nakuru (89 percentage points).

Access to Improved Housing

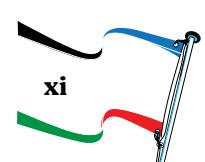
14. The highest extreme in this variable is found in Baringo County where all residents in Silale ward live in grass huts while no one in Ravine ward in the same county lives in grass huts.

Overall ranking of the variables

15. Overall, the counties with the most income inequalities as measured by the gini coefficient are Tana River, Kwale, Kilifi, Lamu, Migori and Busia. However, the counties that are consistently mentioned among the most deprived hence have the lowest access to essential services compared to others across the following nine variables i.e. poverty, mean household expenditure, education, work for pay, water, sanitation, cooking fuel, access to electricity and improved housing are Mandera (8 variables), Wajir (8 variables), Turkana (7 variables) and Marsabit (7 variables).

Abbreviations

AMADPOC	African Migration and Development Policy Centre
CRA	Commission on Revenue Allocation
DANIDA	Danish International Development Agency
DAP	Drivers of Accountability Programme
EAs	Enumeration Areas
HDI	Human Development Index
IBP	International Budget Partnership
IEA	Institute of Economic Affairs
IPAR	Institute of Policy Analysis and Research
KIHBS	Kenya Intergraded Household Budget Survey
KIPPRA	Kenya Institute for Public Policy Research and Analysis
KNBS	Kenya National Bureau of Statistics
LPG	Liquefied Petroleum Gas
NCIC	National Cohesion and Integration Commission
NTA	National Taxpayers Association
PCA	Principal Component Analysis
SAEs	Small Area Estimation
SID	Society for International Development
TISA	The Institute for Social Accountability
VIP latrine	Ventilated-Improved Pit latrine
VOCs	Volatile Organic Carbons
WDR	World Development Report



Introduction

Background

For more than half a century many people in the development sector in Kenya have worked at alleviating extreme poverty so that the poorest people can access basic goods and services for survival like food, safe drinking water, sanitation, shelter and education. However when the current national averages are disaggregated there are individuals and groups that still lag too behind. As a result, the gap between the rich and the poor, urban and rural areas, among ethnic groups or between genders reveal huge disparities between those who are well endowed and those who are deprived.

According to the world inequality statistics, Kenya was ranked 103 out of 169 countries making it the 66th most unequal country in the world. Kenya's Inequality is rooted in its history, politics, economics and social organization and manifests itself in the lack of access to services, resources, power, voice and agency. Inequality continues to be driven by various factors such as: social norms, behaviours and practices that fuel discrimination and obstruct access at the local level and/ or at the larger societal level; the fact that services are not reaching those who are most in need of them due to intentional or unintentional barriers; the governance, accountability, policy or legislative issues that do not favor equal opportunities for the disadvantaged; and economic forces i.e. the unequal control of productive assets by the different socio-economic groups.

According to the 2005 report on the World Social Situation, sustained poverty reduction cannot be achieved unless equality of opportunity and access to basic services is ensured. Reducing inequality must therefore be explicitly incorporated in policies and programmes aimed at poverty reduction. In addition, specific interventions may be required, such as: affirmative action; targeted public investments in underserved areas and sectors; access to resources that are not conditional; and a conscious effort to ensure that policies and programmes implemented have to provide equitable opportunities for all.

This chapter presents the basic concepts on inequality and poverty, methods used for analysis, justification and choice of variables on inequality. The analysis is based on the 2009 Kenya housing and population census while the 2006 Kenya integrated household budget survey is combined with census to estimate poverty and inequality measures from the national to the ward level. Tabulation of both money metric measures of inequality such as mean expenditure and non-money metric measures of inequality in important livelihood parameters like, employment, education, energy, housing, water and sanitation are presented. These variables were selected from the census data and analyzed in detail and form the core of the inequality reports. Other variables such as migration or health indicators like mortality, fertility etc. are analyzed and presented in several monographs by Kenya National Bureau of Statistics and were therefore left out of this report.

Methodology

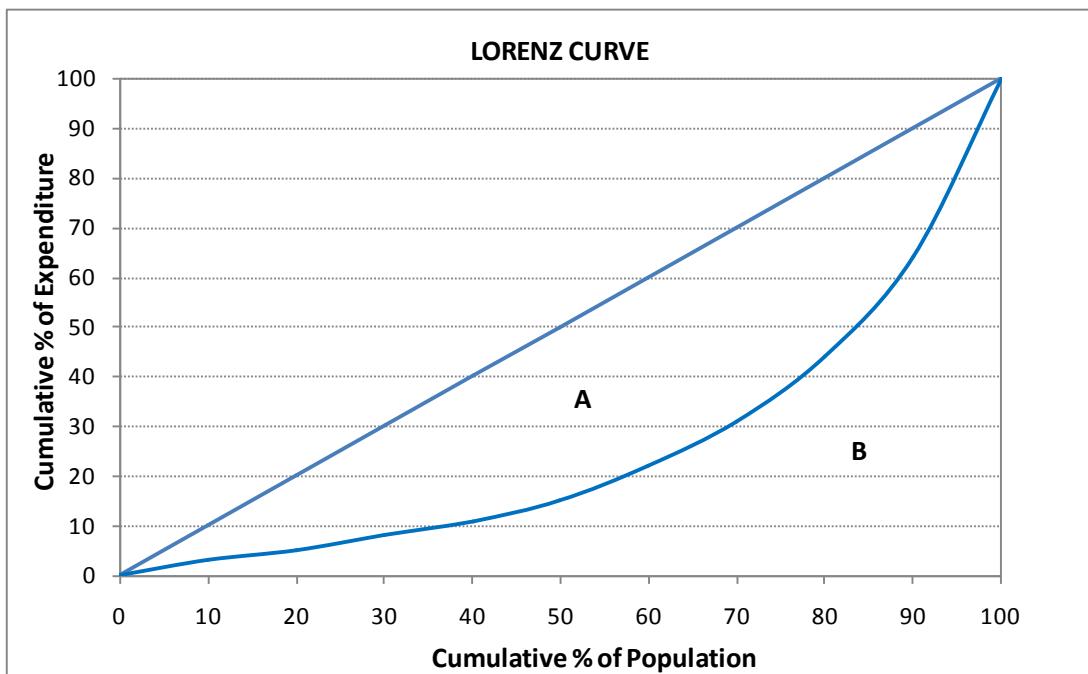
Gini-coefficient of inequality

This is the most commonly used measure of inequality. The coefficient varies between '0', which reflects complete equality and '1' which indicates complete inequality. Graphically, the Gini coefficient can be

easily represented by the area between the Lorenz curve and the line of equality. On the figure below, the Lorenz curve maps the cumulative income share on the vertical axis against the distribution of the population on the horizontal axis. The Gini coefficient is calculated as the area (A) divided by the sum of areas (A and B) i.e. $A/(A+B)$. If $A=0$ the Gini coefficient becomes 0 which means perfect equality, whereas if $B=0$ the Gini coefficient becomes 1 which means complete inequality. Let x_i be a point on the X-axis, and y_i a point on the Y-axis, the Gini coefficient formula is:

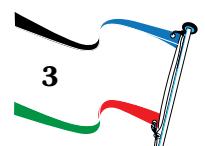
$$Gini = 1 - \sum_{i=1}^N (x_i - x_{i-1})(y_i + y_{i-1}).$$

An Illustration of the Lorenz Curve



Small Area Estimation (SAE)

The small area problem essentially concerns obtaining reliable estimates of quantities of interest — totals or means of study variables, for example — for geographical regions, when the regional sample sizes are small in the survey data set. In the context of small area estimation, an area or domain becomes small when its sample size is too small for direct estimation of adequate precision. If the regional estimates are to be obtained by the traditional direct survey estimators, based only on the sample data from the area of interest itself, small sample sizes lead to undesirably large standard errors for them. For instance, due to their low precision the estimates might not satisfy the generally accepted publishing criteria in official statistics. It may even happen that there are no sample members at all from some areas, making the direct estimation impossible. All this gives rise to the need of special small area estimation methodology.



Most of KNBS surveys were designed to provide statistically reliable, design-based estimates only at the national, provincial and district levels such as the Kenya Intergraded Household Budget Survey of 2005/06 (KIHBS). The sheer practical difficulties and cost of implementing and conducting sample surveys that would provide reliable estimates at levels finer than the district were generally prohibitive, both in terms of the increased sample size required and in terms of the added burden on providers of survey data (respondents). However through SAE and using the census and other survey datasets, accurate small area poverty estimates for 2009 for all the counties are obtainable.

The sample in the 2005/06 KIHBS, which was a representative subset of the population, collected detailed information regarding consumption expenditures. The survey gives poverty estimate of urban and rural poverty at the national level, the provincial level and, albeit with less precision, at the district level. However, the sample sizes of such household surveys preclude estimation of meaningful poverty measures for smaller areas such as divisions, locations or wards. Data collected through censuses are sufficiently large to provide representative measurements below the district level such as divisions, locations and sub-locations. However, this data does not contain the detailed information on consumption expenditures required to estimate poverty indicators. In small area estimation methodology, the first step of the analysis involves exploring the relationship between a set of characteristics of households and the welfare level of the same households, which has detailed information about household expenditure and consumption. A regression equation is then estimated to explain daily per capita consumption and expenditure of a household using a number of socio-economic variables such as household size, education levels, housing characteristics and access to basic services.

While the census does not contain household expenditure data, it does contain these socio-economic variables. Therefore, it will be possible to statistically impute household expenditures for the census households by applying the socio-economic variables from the census data on the estimated relationship based on the survey data. This will give estimates of the welfare level of all households in the census, which in turn allows for estimation of the proportion of households that are poor and other poverty measures for relatively small geographic areas. To determine how many people are poor in each area, the study would then utilize the 2005/06 monetary poverty lines for rural and urban households respectively. In terms of actual process, the following steps were undertaken:

Cluster Matching: Matching of the KIHBS clusters, which were created using the 1999 Population and Housing Census Enumeration Areas (EA) to 2009 Population and Housing Census EAs. The purpose was to trace the KIBHS 2005/06 clusters to the 2009 Enumeration Areas.

Zero Stage: The first step of the analysis involved finding out comparable variables from the survey (Kenya Integrated Household Budget 2005/06) and the census (Kenya 2009 Population and Housing Census). This required the use of the survey and census questionnaires as well as their manuals.

First Stage (Consumption Model): This stage involved the use of regression analysis to explore the relationship between an agreed set of characteristics in the household and the consumption levels of the same households from the survey data. The regression equation was then used to estimate and explain daily per capita consumption and expenditure of households using socio-economic variables

such as household size, education levels, housing characteristics and access to basic services, and other auxiliary variables. While the census did not contain household expenditure data, it did contain these socio-economic variables.

Second Stage (Simulation): Analysis at this stage involved statistical imputation of household expenditures for the census households, by applying the socio-economic variables from the census data on the estimated relationship based on the survey data.

Identification of poor households Principal Component Analysis (PCA)

In order to attain the objective of the poverty targeting in this study, the household needed to be established. There are three principal indicators of welfare; household income; household consumption expenditures; and household wealth. Household income is the theoretical indicator of choice of welfare/economic status. However, it is extremely difficult to measure accurately due to the fact that many people do not remember all the sources of their income or better still would not want to divulge this information. Measuring consumption expenditures has many drawbacks such as the fact that household consumption expenditures typically are obtained from recall method usually for a period of not more than four weeks. In all cases a well planned and large scale survey is needed, which is time consuming and costly to collect. The estimation of wealth is a difficult concept due to both the quantitative as well as the qualitative aspects of it. It can also be difficult to compute especially when wealth is looked at as both tangible and intangible.

Given that the three main indicators of welfare cannot be determined in a shorter time, an alternative method that is quick is needed. The alternative approach then in measuring welfare is generally through the asset index. In measuring the asset index, multivariate statistical procedures such the factor analysis, discriminant analysis, cluster analysis or the principal component analysis methods are used. Principal components analysis transforms the original set of variables into a smaller set of linear combinations that account for most of the variance in the original set. The purpose of PCA is to determine factors (i.e., principal components) in order to explain as much of the total variation in the data as possible.

In this project the principal component analysis was utilized in order to generate the asset (wealth) index for each household in the study area. The PCA can be used as an exploratory tool to investigate patterns in the data; in identify natural groupings of the population for further analysis and; to reduce several dimensionalities in the number of known dimensions. In generating this index information from the datasets such as the tenure status of main dwelling units; roof, wall, and floor materials of main dwelling; main source of water; means of human waste disposal; cooking and lighting fuels; household items such radio TV, fridge etc was required. The recent available dataset that contains this information for the project area is the Kenya Population and Housing Census 2009.

There are four main approaches to handling multivariate data for the construction of the asset index in surveys and censuses. The first three may be regarded as exploratory techniques leading to index construction. These are graphical procedures and summary measures. The two popular multivariate procedures - cluster analysis and principal component analysis (PCA) - are two of the key procedures that have a useful preliminary role to play in index construction and lastly regression modeling approach.

In the recent past there has been an increasing routine application of PCA to asset data in creating welfare indices (Gwatkin et al. 2000, Filmer and Pritchett 2001 and McKenzie 2003).

Concepts and definitions

Inequality

Inequality is characterized by the existence of unequal opportunities or life chances and unequal conditions such as incomes, goods and services. Inequality, usually structured and recurrent, results into an unfair or unjust gap between individuals, groups or households relative to others within a population. There are several methods of measuring inequality. In this study, we consider among other methods, the Gini-coefficient, the difference in expenditure shares and access to important basic services.

Equality and Equity

Although the two terms are sometimes used interchangeably, they are different concepts. Equality requires all to have same/ equal resources, while equity requires all to have the same opportunity to access same resources, survive, develop, and reach their full potential, without discrimination, bias, or favoritism. Equity also accepts differences that are earned fairly.

Poverty

The poverty line is a threshold below which people are deemed poor. Statistics summarizing the bottom of the consumption distribution (i.e. those that fall below the poverty line) are therefore provided. In 2005/06, the poverty line was estimated at Ksh1,562 and Ksh2,913 per adult equivalent¹ per month for rural and urban households respectively. Nationally, 45.2 percent of the population lives below the poverty line (2009 estimates) down from 46 percent in 2005/06.

Spatial Dimensions

The reason poverty can be considered a spatial issue is two-fold. People of a similar socio-economic background tend to live in the same areas because the amount of money a person makes usually, but not always, influences their decision as to where to purchase or rent a home. At the same time, the area in which a person is born or lives can determine the level of access to opportunities like education and employment because income and education can influence settlement patterns and also be influenced by settlement patterns. They can therefore be considered causes and effects of spatial inequality and poverty.

Employment

Access to jobs is essential for overcoming inequality and reducing poverty. People who cannot access productive work are unable to generate an income sufficient to cover their basic needs and those of their families, or to accumulate savings to protect their households from the vicissitudes of the economy.

¹This is basically the idea that every person needs different levels of consumption because of their age, gender, height, weight, etc. and therefore we take this into account to create an adult equivalent based on the average needs of the different populations

The unemployed are therefore among the most vulnerable in society and are prone to poverty. Levels and patterns of employment and wages are also significant in determining degrees of poverty and inequality. Macroeconomic policy needs to emphasize the need for increasing regular good quality 'work for pay' that is covered by basic labour protection. The population and housing census 2009 included questions on labour and employment for the population aged 15-64.

The census, not being a labour survey, only had few categories of occupation which included work for pay, family business, family agricultural holdings, intern/volunteer, retired/home maker, full time student, incapacitated and no work. The tabulation was nested with education- for none, primary and secondary level.

Education

Education is typically seen as a means of improving people's welfare. Studies indicate that inequality declines as the average level of educational attainment increases, with secondary education producing the greatest payoff, especially for women (Cornia and Court, 2001). There is considerable evidence that even in settings where people are deprived of other essential services like sanitation or clean water, children of educated mothers have much better prospects of survival than do the children of uneducated mothers. Education is therefore typically viewed as a powerful factor in leveling the field of opportunity as it provides individuals with the capacity to obtain a higher income and standard of living. By learning to read and write and acquiring technical or professional skills, people increase their chances of obtaining decent, better-paying jobs. Education however can also represent a medium through which the worst forms of social stratification and segmentation are created. Inequalities in quality and access to education often translate into differentials in employment, occupation, income, residence and social class. These disparities are prevalent and tend to be determined by socio-economic and family background. Because such disparities are typically transmitted from generation to generation, access to educational and employment opportunities are to a certain degree inherited, with segments of the population systematically suffering exclusion. The importance of equal access to a well-functioning education system, particularly in relation to reducing inequalities, cannot be overemphasized.

Water

According to UNICEF (2008), over 1.1 billion people lack access to an improved water source and over three million people, mostly children, die annually from water-related diseases. Water quality refers to the basic and physical characteristics of water that determines its suitability for life or for human uses. The quality of water has tremendous effects on human health both in the short term and in the long term. As indicated in this report, slightly over half of Kenya's population has access to improved sources of water.

Sanitation

Sanitation refers to the principles and practices relating to the collection, removal or disposal of human excreta, household waste, water and refuse as they impact upon people and the environment. Decent sanitation includes appropriate hygiene awareness and behavior as well as acceptable, affordable and

sustainable sanitation services which is crucial for the health and wellbeing of people. Lack of access to safe human waste disposal facilities leads to higher costs to the community through pollution of rivers, ground water and higher incidence of air and water borne diseases. Other costs include reduced incomes as a result of disease and lower educational outcomes.

Nationally, 61 percent of the population has access to improved methods of waste disposal. A sizeable population i.e. 39 percent of the population is disadvantaged. Investments made in the provision of safe water supplies need to be commensurate with investments in safe waste disposal and hygiene promotion to have significant impact.

Housing Conditions (Roof, Wall and Floor)

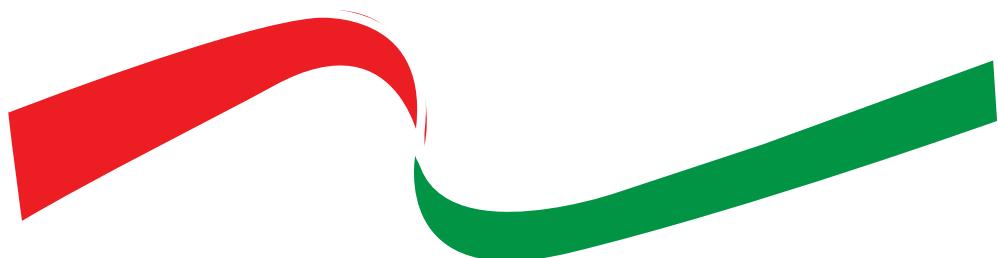
Housing conditions are an indicator of the degree to which people live in humane conditions. Materials used in the construction of the floor, roof and wall materials of a dwelling unit are also indicative of the extent to which they protect occupants from the elements and other environmental hazards. Housing conditions have implications for provision of other services such as connections to water supply, electricity, and waste disposal. They also determine the safety, health and well being of the occupants. Low provision of these essential services leads to higher incidence of diseases, fewer opportunities for business services and lack of a conducive environment for learning. It is important to note that availability of materials, costs, weather and cultural conditions have a major influence on the type of materials used.

Energy fuel for cooking and lighting

Lack of access to clean sources of energy is a major impediment to development through health related complications such as increased respiratory infections and air pollution. The type of cooking fuel or lighting fuel used by households is related to the socio-economic status of households. High level energy sources are cleaner but cost more and are used by households with higher levels of income compared with primitive sources of fuel like firewood which are mainly used by households with a lower socio-economic profile. Globally about 2.5 billion people rely on biomass such as fuel-wood, charcoal, agricultural waste and animal dung to meet their energy needs for cooking.

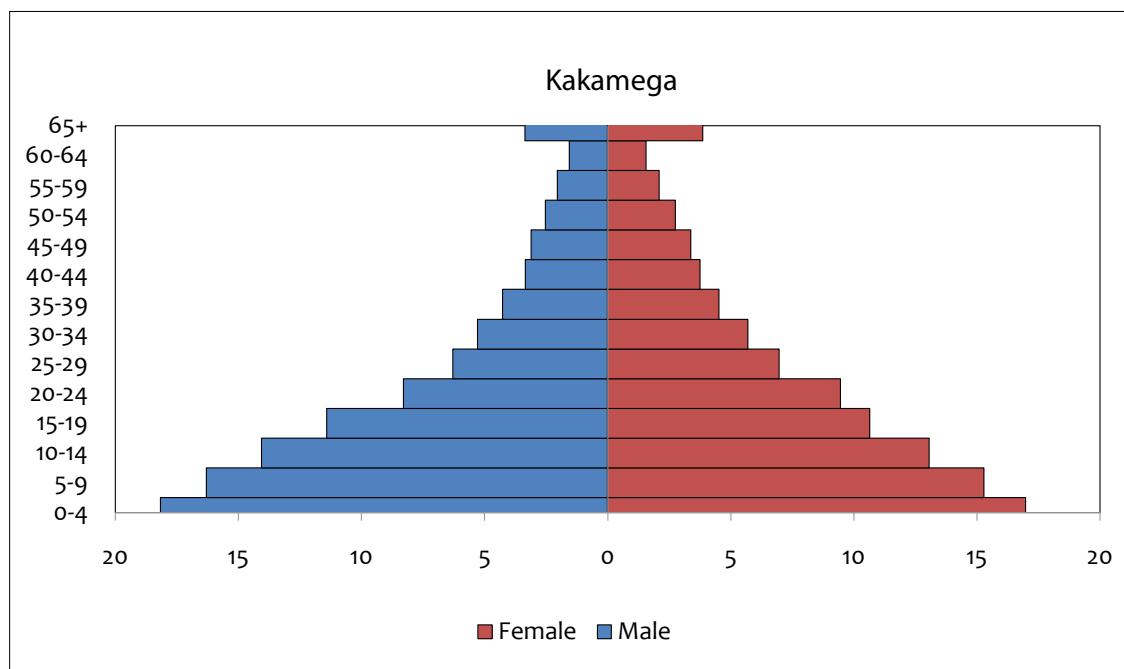


Kakamega County



11. KAKAMEGA COUNTY

Figure 11.1: Kakamega Population Pyramid



Population

Kakamega County has a child rich population, where 0-14 year olds constitute 47% of the total population. This is due to high fertility rates among women as shown by the highest percentage household size of 4-6 members at 43%.

Employment

The 2009 population and housing census covered in brief the labour status as tabulated below. The main variable of interest for inequality discussed in the text is work for pay by level of education. The other variables, notably family business, family agricultural holdings, intern/volunteer, retired/homemaker, fulltime student, incapacitated and no work are tabulated and presented in the annex table 11.3 up to ward level.

Table 11: Overall Employment by Education Levels in Kakamega County

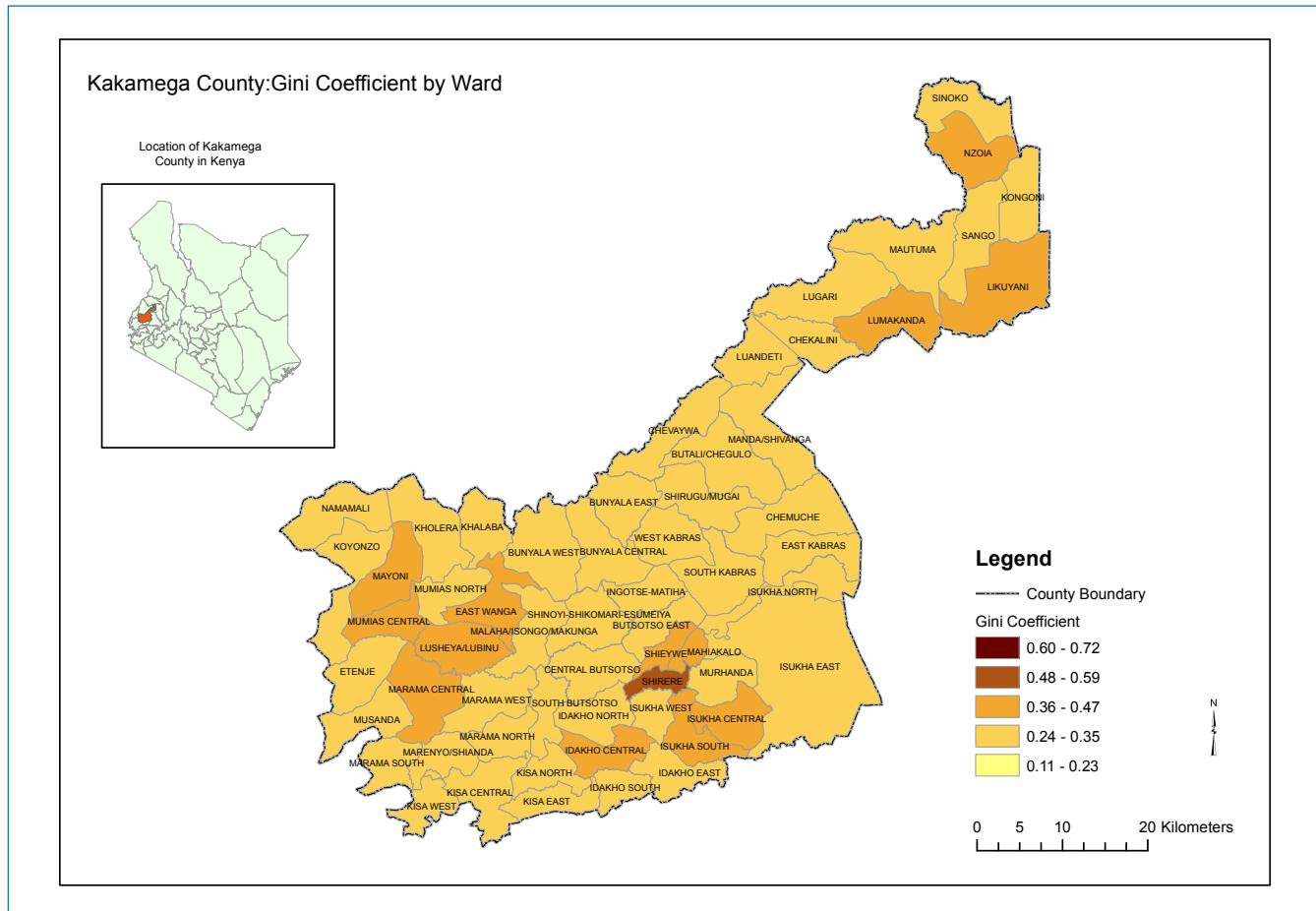
Education Level	Work for pay	Family Business	Family Agricultural Holding	Intern/Volunteer	Retired/ Home-maker	Fulltime Student	Incapacitated	No work	Number of Individuals
Total	17.5	10.4	43.7	1.3	6.3	14.0	0.6	6.3	815,361
None	16.8	9.8	53.1	2.2	8.4	0.5	2.2	7.1	75,719
Primary	15.4	10.3	47.1	1.0	6.5	13.3	0.5	5.9	479,317
Secondary+	21.7	10.8	34.6	1.4	5.2	19.3	0.3	6.6	260,325

In Kakamega County, 17% of the residents with no formal education, 15% of those with primary education and 22% of those with secondary level of education or above work for pay. Work for pay for those with a secondary level of education or above is highest in Nairobi at 49%, this is twice the level in Kakamega.

Gini Coefficient

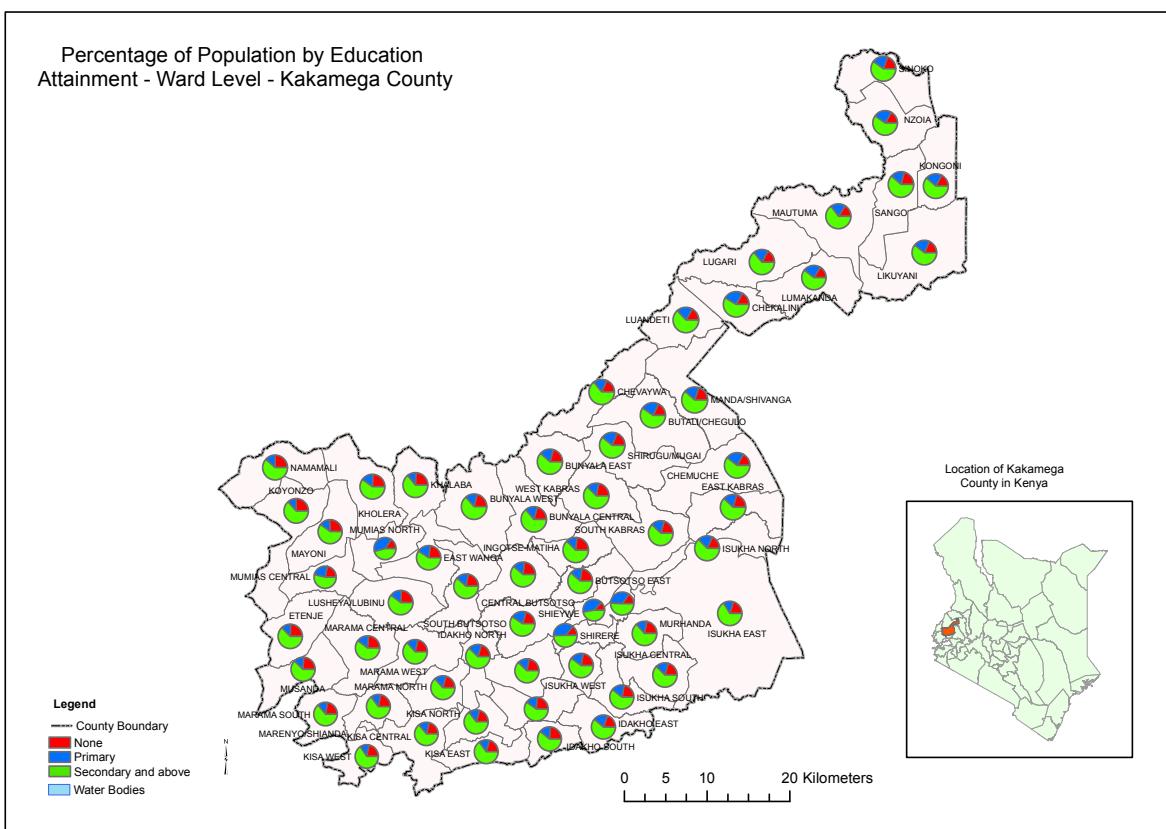
In this report, the Gini index measures the extent to which the distribution of consumption expenditure among individuals or households within an economy deviates from a perfectly equal distribution. A Gini index of '0' represents perfect equality, while an index of '1' implies perfect inequality. Kakamega County's Gini index is 0.394 compared with Turkana County, which has the least inequality nationally (0.283).

Figure 11.2: Kakamega County-Gini Coefficient by Ward



Education

Figure 11.3: Kakamega County-Percentage of Population by Education Attainment by Ward



19% of Kakamega county residents have a secondary level of education or above. Lurambi constituency has the highest share of residents with a secondary level of education or above at 30%. This is twice Matungu constituency, which has the lowest share of residents with a secondary level of education or above. Lurambi constituency is 11 percentage points above the county average of residents with a secondary level of education. Shieywe ward has the highest share of residents with a secondary level of education or above at 40%. This is three times Khalaba ward, which has the lowest share of residents with a secondary level of education or above. Shieywe is 21 percentage points above the county average of secondary level of education.

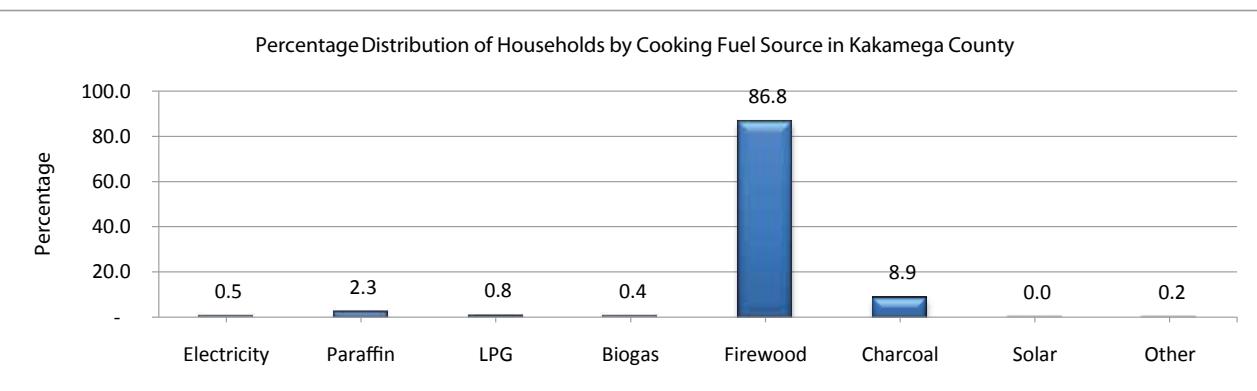
Kakamega County has 61% of residents having only a primary level of education. Khwiser constituency has the highest share of residents with a primary level of education only at 65%. This is 11 percentage points above Lurambi constituency, which has the lowest share of residents with a primary level of education only. Khwiser constituency is 4 percentage points above the county average of residents having only a primary level of education. Isukha East ward has the highest share of residents with a primary level of education only at 66%. This is 20 percentage points above Mumias North ward, which has the lowest share of residents with a primary level of education only. Isukha East ward is 5 percentage points above the county average.

While 21% of Kakamega County residents have no formal education, Matungu constituency has the highest share of residents with no formal education at 25%. This is 8 percentage points above Lurambi constituency which has the lowest share of residents with no formal education. Matungu is 4 percentage points above the county average of residents with no formal education. Mayoni ward has the highest percentage of residents with no formal education at 26%. This is twice Shieywe ward which has the lowest percentage of residents with no formal education. Mayoni ward is 5 percentage points above the county average of residents with no formal education.

Energy

Cooking Fuel

Figure 11.4: Percentage Distribution of Households by Source of Cooking Fuel in Kakamega County



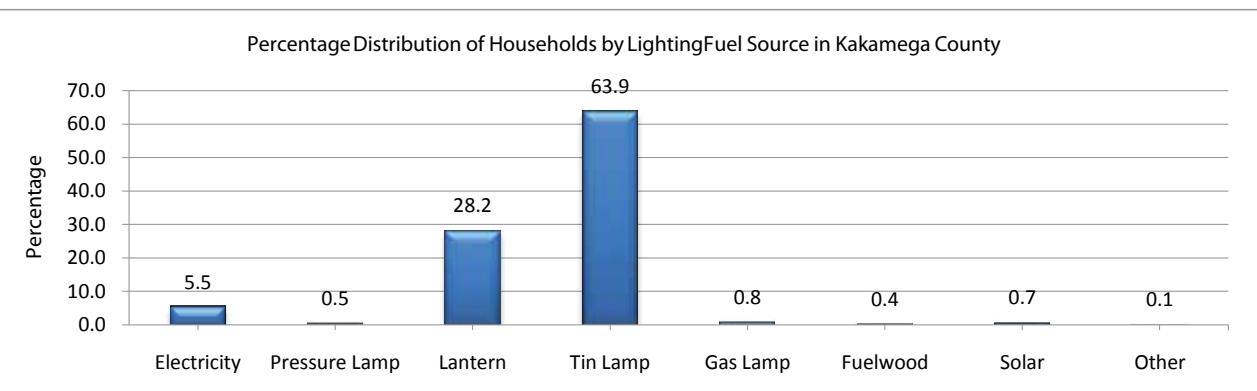
Only 1% of residents in Kakamega County use liquefied petroleum gas (LPG), 2% use paraffin, 87% use firewood and 9% use charcoal. Firewood is the most common cooking fuel by gender with 86% of male headed households and 89% in female headed households using it.

Navakholo constituency has the highest level of firewood use in Kakamega County at 97%. This is 43 percentage points above the level in Lurambi constituency, which has the lowest share. Navakholo is about 11 percentage points above the county average. Three wards, Khalaba, Bunyala East and Idakho North have the highest level of firewood use in Kakamega County at 98%. This is four times the level in the lowest ward, Shieywe. Khalaba, Bunyala East and Idakho North are 11 percentage points above the county average.

Lurambi constituency has the highest level of charcoal use in Kakamega County at 32%. This is 16 times the level in Ikolomani constituency, which has the lowest share. Lurambi constituency is four times the county average level of charcoal use. Shieywe ward has the highest level of charcoal use in Kakamega County at 54%. This is 53 percentage points more than the level of Idakho North, which has the lowest share. Shieywe is 45 percentage points above the county average level of charcoal use.

Lighting

Figure 11.5: Percentage Distribution of Households by Source of Lighting Fuel in Kakamega County



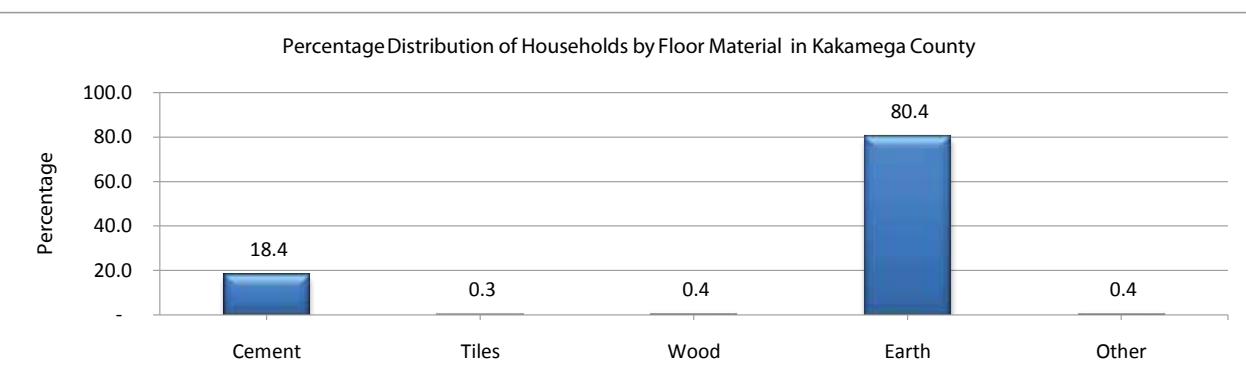
6% of residents in Kakamega County use electricity as their main source of lighting, 28% use lanterns, 64% use tin lamps, and less than 1% use fuel wood. Electricity use is almost equal by gender as 6% of male headed households compared with 5% female headed households use it.

Lurambi constituency has the highest level of electricity use at 22%. This is 21 percentage points above Matungu constituency, which has the lowest level of electricity use. Lurambi is thus 16 percentage points above the county average level of electricity use. Mumias North ward has the highest level of electricity use at 50%. This is 50 percentage points above West Kabras ward, which has the lowest level of electricity use. Mumias North ward is 44 percentage points above the county average level of electricity use.

Housing

Flooring

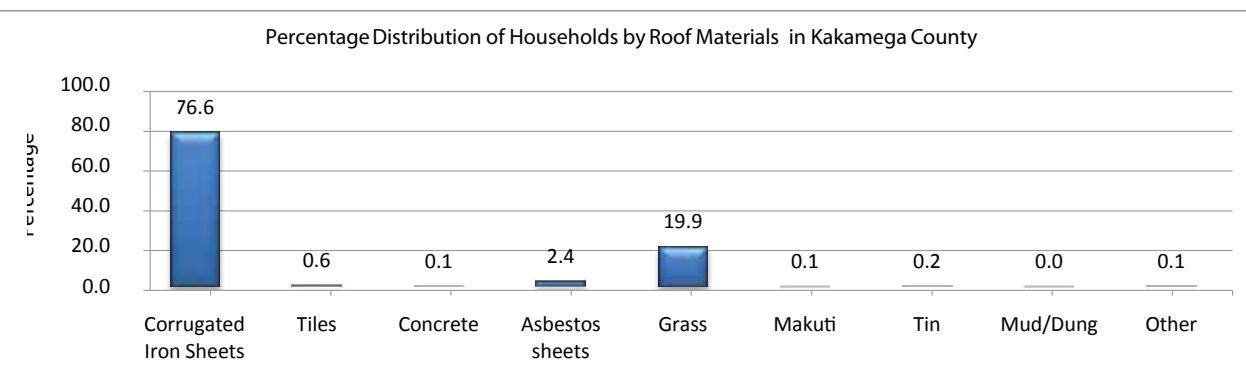
Figure 11.6: Percentage Distribution of Households by Floor Material in Kakamega County



Kakamega County has 18% of residents who have homes with cement floors, while 80% have earthen floors. Less than 1% has wood or tile floors. Lurambi constituency has the highest share of cement floors at 46%. That is five times Navakholo constituency, which has the lowest share of cement floors. Lurambi is 28 percentage points above the county average of households with cement floors. Mumias North and Shieywe wards have the highest share of cement floors at 69%. This is 17 times West Kabras ward, which has the lowest share of cement floors. These two wards are therefore 51 percentage points above the county average of households with cement floors.

Roofing

Figure 11.7: Percentage Distribution of Households by Roof Material in Kakamega County



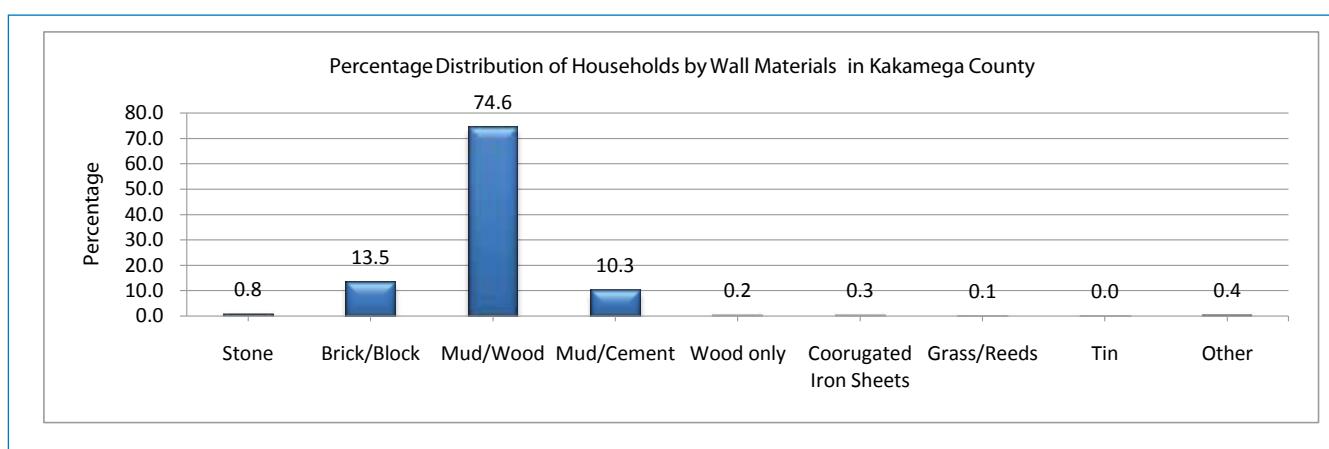
In Kakamega County, less than 1% of residents have homes with concrete roofs, while 77% have corrugated iron sheet roofs. Grass and makuti roofs constitute 20% of homes, and no mud/dung roofs.

Three constituencies, Likuyani, Ikolomani and Lurambi have the highest share of corrugated iron sheet roofs at 90% each. This is 32 percentage points above Malava constituency with the lowest share of corrugated iron sheet roofs. These three constituencies are 13 percentage points above the county average of corrugated iron sheet roofing. Shieywe and Nzoia wards have the highest share of corrugated iron sheet roofing at 95%. This is twice West Kabras ward, which has the lowest share of corrugated iron sheet roofs. The two wards are 18 percentage points above the county average of corrugated iron sheet roofing.

Malava constituency has the highest share of grass/makuti roofs at 38%. This is six times Lurambi constituency, which has the lowest share of grass/makuti roofs. Malava is 18 percentage points above the county average of households with grass/makuti roofing. West Kabras ward has the highest share of grass/makuti roofing at 55%. This is 54 percentage points above Shieywe ward, which has the lowest share. West Kabras is 35 percentage points above the county average of households with grass/makuti roofing.

Walls

Figure 11.8: Percentage Distribution of Households by Wall Material in Kakamega County



In Kakamega County, 14% of homes have either brick or stone walls. 85% of homes have mud/wood or mud/cement walls. Less than 1% has wood walls, corrugated iron sheet, grass/thatched, tin or other walls.

Lurambi constituency has the highest share of brick/stone walls at 33%. This is four times Navakholo constituency, which has the lowest share of brick/stone walls. Lurambi is 19 percentage points above the county average of households with brick/stone walls. Mumias North ward has the highest share of brick/stone walls at 56%. This is 19 times West Kabras ward, which has the lowest share of brick/stone walls. Mumias North is 42 percentage points above the county average of households with brick/stone walls.

Navakholo constituency has the highest share of mud with wood/cement walls at 92%. This is 26 percentage points above Lurambi constituency, which has the lowest share of mud with wood/cement. Navakholo is 7 percentage points above the county average of households having mud with wood/cement walls. West Kabras ward has the highest share of mud with wood/cement walls at 96%. This is almost thrice Mumias North ward, which has the lowest share of housing having mud with wood/cement walls. West Kabras ward is 11 percentage points above the county average of households having mud with wood/cement walls.

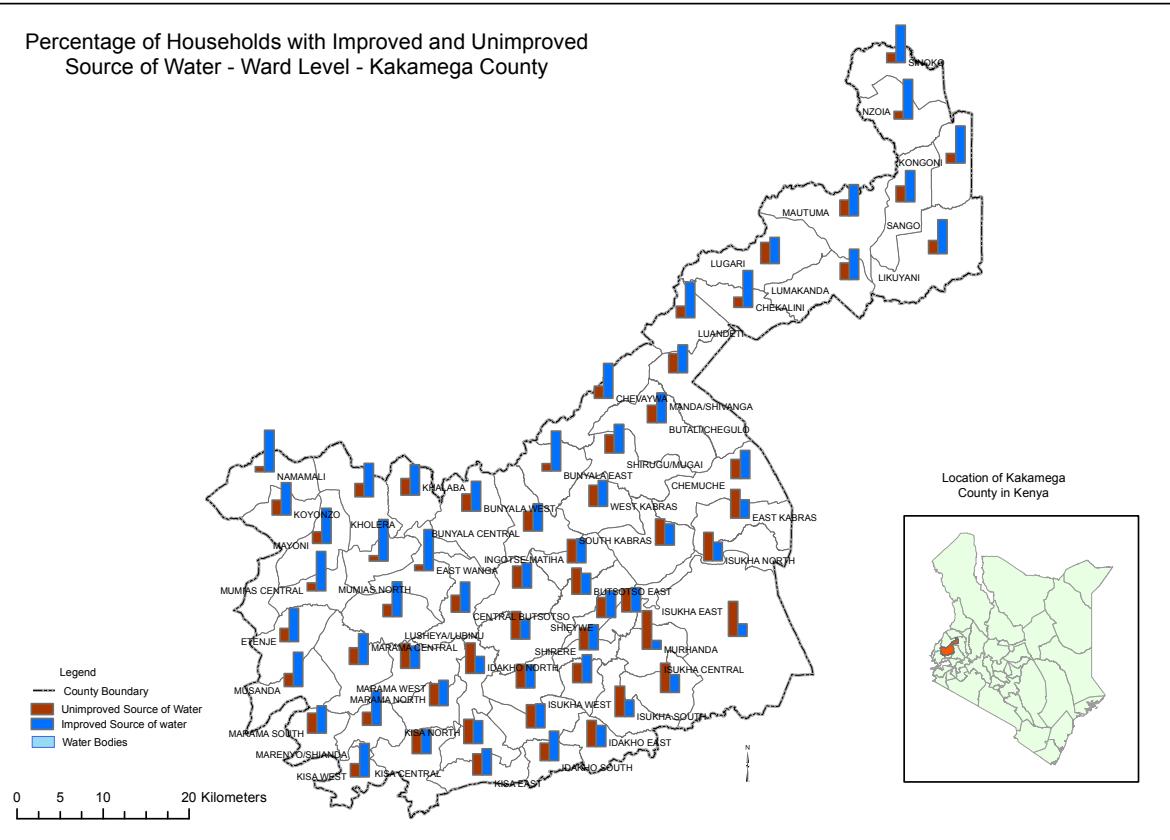
Water

Improved sources of water comprise protected spring, protected well, borehole, piped into dwelling, piped and rain water collection while unimproved sources include pond, dam, lake, stream/river, unprotected spring, unprotected well, jibia, water vendor and others.

In Kakamega County, 61% of residents use improved sources of water, while the rest relying on unimproved sources. In use of improved sources there is no gender differential in the 61% of both male headed and female headed households that use the facilities.

Mumias West constituency has the highest share of residents using improved sources of water at 78%. This is twice Shinyalu constituency, which has the lowest share using improved sources of water. Mumias West is 17 percentage points above the county average of residents using improved sources of water. Namamali ward has the highest share of residents using improved sources of water at 89%. This is almost five times Murhanda ward, which has the lowest share using improved sources of water. Namamali ward has 28 percentage points above the county average of residents using improved sources of water.

Figure 11.9: Kakamega County-Percentage of Households with Improved and Unimproved Sources of Water by Ward

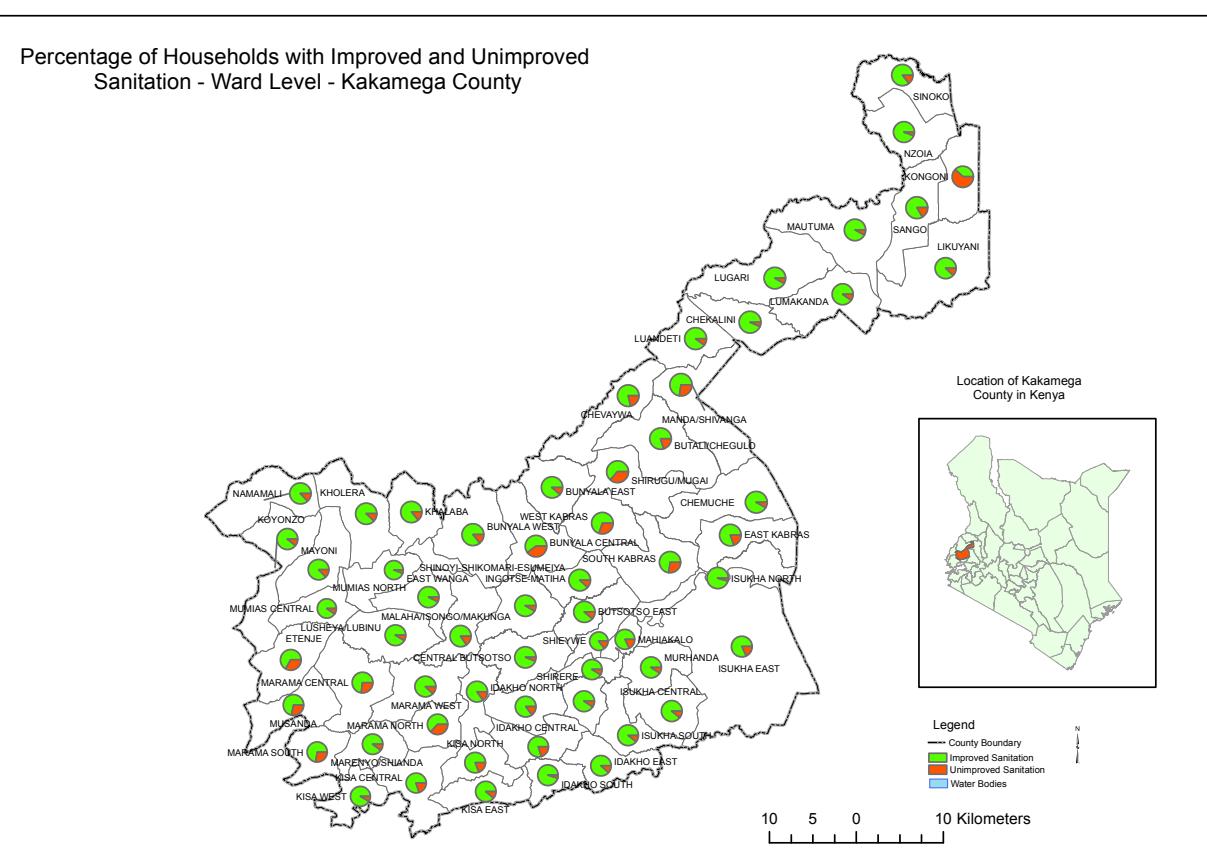


Sanitation

A total of 84% of residents in Kakamega County use improved sanitation, while the rest use unimproved sanitation. Use of improved sanitation is equal by gender as 84% in households headed by either gender utilize these facilities.

Two constituencies, Shinyalu and Mumias East, have the highest share of residents using improved sanitation at 90% each. This is 14 percentage points above Malava constituency, which has the lowest share using improved sanitation. The two constituencies are therefore 6 percentage points above the county average of residents using improved sanitation. Isukha North ward has the highest share of residents using improved sanitation at 96%. This is twice Kongoni ward, which has the lowest share using improved sanitation. Isukha North ward is 12 percentage points above the county average of residents using improved sanitation.

Figure 11.10: Kakamega County –Percentage of Households with Improved and Unimproved Sanitation by Ward



Kakamega County Annex Tables

11. KAKAMEGA

Table 11.1: Gender, Age group, Demographic Indicators and Households Size by County Constituency and Wards

County/Constituency/Wards	Gender	Age group						Demographic indicators				Proportion of HH Members:					
		Total Pop	Male	Female	0-5 yrs	0-14 yrs	10-18 yrs	15-34 yrs	15-64 yrs	65+ yrs	sex Ratio	Total dependancy Ratio	Child dependency Ratio	aged dependency ratio	0-3	4-6	7+
Kenya	37,919,647	18,787,698	19,131,949	7,035,670	16,346,414	8,293,207	13,329,717	20,249,800	1,323,433	0.982	0.873	0.807	0.065	41.5	38.4	20.1	8,493,380
Rural	26,075,195	12,869,034	13,206,161	5,059,515	12,024,773	6,134,730	8,303,007	12,984,788	1,065,634	0.974	1.008	0.926	0.082	33.2	41.3	25.4	5,239,879
Urban	11,844,452	5,918,664	5,925,788	1,976,155	4,321,641	2,158,477	5,026,710	7,285,012	257,799	0.999	0.630	0.595	0.035	54.8	33.7	11.5	3,253,501
Kakamega County	1,646,502	792,446	854,056	346,094	771,535	372,884	527,819	815,361	59,606	0.928	1.019	0.946	0.073	35.1	42.5	22.4	349,735
Lugari Constituency	166,433	80,821	85,612	34,637	79,242	38,581	52,912	81,740	5,451	0.944	1.036	0.969	0.067	30.7	43.3	26.0	33251
Mautuma	24,897	12,192	12,705	5,104	11,908	5,911	7,688	12,155	834	0.960	1.048	0.980	0.069	30.3	45.3	24.5	5034
Lugari	31,272	15,117	16,155	6,500	15,067	7,559	9,634	15,203	1,002	0.936	1.057	0.991	0.066	29.5	44.4	26.1	6192
Lumakanda	29,756	14,613	15,143	5,543	13,248	6,818	10,044	15,545	963	0.965	0.914	0.852	0.062	35.7	42.2	22.1	6319
Chekalinini	19,684	9,471	10,213	3,933	9,188	4,767	6,442	9,840	656	0.927	1.000	0.934	0.067	27.5	44.4	28.2	3808
Cheveyawa	33,128	16,111	17,017	7,530	16,259	7,251	10,426	15,781	1,088	0.947	1.099	1.030	0.069	30.4	42.4	27.1	6564
Luandeti	27,696	13,317	14,379	6,027	13,572	6,275	8,698	13,216	908	0.926	1.096	1.027	0.069	29.2	41.9	28.9	5334
Likuyani Constituency	124,610	60,386	64,244	25,241	59,316	29,348	39,849	61,465	3,829	0.940	1.027	0.965	0.062	33.0	43.3	23.7	25690
Likuyani	26,982	13,248	13,734	5,114	12,461	6,359	8,846	13,724	797	0.965	0.966	0.908	0.058	35.1	42.0	22.9	5704
Sango	22,843	11,066	11,777	4,802	11,160	5,501	7,181	11,011	672	0.940	1.075	1.014	0.061	28.5	44.5	27.0	4438
Kongoni	23,682	11,365	12,317	4,740	11,378	5,683	7,489	11,595	709	0.923	1.042	0.981	0.061	32.3	43.8	23.8	4868
Nzoia	30,194	14,426	15,768	6,235	14,319	6,933	9,879	14,997	878	0.915	1.013	0.955	0.059	35.1	43.1	21.8	6382
Sinoko	20,909	10,261	10,648	4,350	9,998	4,812	6,454	10,138	773	0.964	1.062	0.986	0.076	32.3	43.4	24.2	4298

Malava Constituency	204,050	99,205	104,845	45,225	97,663	45,020	66,160	100,135	6,252	0.946	1,038	0.975	0.062	29.5	43.3	27.3	40053
West Kabras	26,108	12,719	13,389	6,278	12,994	5,717	8,211	12,341	773	0.950	1,116	1.053	0.063	28.5	43.2	28.3	5018
Chemuche	29,571	14,313	15,258	6,318	13,924	6,658	9,910	14,791	856	0.938	0.999	0.941	0.058	28.7	43.4	27.9	5737
East Kabras	22,540	10,891	11,649	4,980	10,738	4,995	7,346	11,176	626	0.935	1,017	0.961	0.056	29.9	44.0	26.1	4461
Butali/Chegulo	31,755	15,432	16,323	6,856	14,827	7,151	10,392	15,924	1,004	0.945	0.994	0.931	0.063	30.4	43.4	26.2	6356
Mandal/Shivanga	31,782	15,481	16,301	7,083	15,500	7,186	9,984	15,225	1,057	0.950	1,087	1,018	0.069	25.3	44.0	30.7	5930
Shingu/Mugai	24,780	11,991	12,789	5,450	11,989	5,416	7,953	12,023	768	0.938	1,061	0.997	0.064	29.1	43.5	27.4	4865
South Kabras	37,514	18,378	19,136	8,260	17,691	7,897	12,384	18,655	1,168	0.960	1,011	0.948	0.063	33.1	42.0	24.9	7686
Lurambi Constituency	154,403	75,431	78,972	28,307	63,618	33,051	58,581	86,813	3,972	0.955	0.779	0.733	0.046	43.9	38.2	17.8	36197
Butsotso East	23,013	11,243	11,770	4,967	10,698	4,972	7,434	11,629	686	0.955	0.979	0.920	0.059	32.2	43.8	24.0	4746
South Butsotso	17,216	8,202	9,014	3,481	7,883	3,932	5,376	8,567	766	0.910	1,010	0.920	0.089	32.9	45.5	21.6	3641
Central Butsotso	25,506	12,365	13,141	5,071	11,470	5,839	8,490	13,179	857	0.941	0.935	0.870	0.065	32.3	44.7	23.1	5278
Shieywe	46,936	23,332	23,604	7,869	17,521	9,415	20,617	28,695	720	0.988	0.636	0.611	0.025	54.2	33.4	12.4	12715
Mahiakalo	10,777	5,395	5,382	1,770	4,001	2,152	4,474	6,532	244	1,002	0.650	0.613	0.037	50.3	32.1	17.6	2613
Shiree	30,955	14,894	16,061	5,149	12,045	6,741	12,190	18,211	699	0.927	0.700	0.661	0.038	45.3	37.1	17.6	7204
Navakholo Constituency	136,876	65,852	71,024	32,218	68,451	30,811	42,754	64,199	4,226	0.927	1,132	1,066	0.066	29.2	44.2	26.6	27107
Ingots-e-Matiha	22,061	10,717	11,344	5,058	10,630	4,873	6,889	10,687	744	0.945	1,064	0.995	0.070	29.1	42.9	28.0	4313
Shinoyi-Shikomari-Esumieya	25,339	12,212	13,127	5,832	12,429	5,734	8,030	12,143	767	0.930	1,087	1,024	0.063	30.5	44.6	24.9	5131
Bunyala West	38,355	18,133	20,222	9,424	19,937	8,789	11,909	17,395	1,023	0.897	1,205	1,146	0.059	27.7	44.9	27.5	7478
Bunyala East	22,112	10,750	11,362	5,149	10,958	4,940	6,988	10,468	686	0.946	1,112	1,047	0.066	30.8	43.0	26.1	4446
Bunyala Central	29,009	14,040	14,969	6,755	14,497	6,475	8,958	13,506	1,006	0.938	1,148	1,073	0.074	28.7	44.9	26.4	5739

Mumias West Constituency	110,896	53,439	57,457	23,498	50,973	24,328	37,300	56,506	3,417	0.930	0.963	0.902	0.060	43.0	38.4	18.6	25915
Mumias Central	36,474	17,719	18,755	7,724	16,038	7,391	13,722	19,676	760	0.945	0.854	0.815	0.039	49.6	35.0	15.4	9248
Mumias North	15,575	7,839	7,736	2,604	6,364	3,672	5,990	9,034	177	1.013	0.724	0.704	0.020	50.7	33.0	16.3	3986
Etenje	28,156	13,335	14,821	6,444	13,916	6,345	8,445	13,124	1,116	0.900	1.145	1.060	0.085	34.5	42.8	22.6	5984
Musanda	30,691	14,546	16,145	6,726	14,655	6,920	9,143	14,672	1,364	0.901	1.092	0.999	0.093	36.9	42.2	20.8	6697
Mumias East Constituency	100,503	48,176	52,327	22,848	48,908	22,402	32,713	48,568	3,027	0.921	1.069	1.007	0.062	33.7	43.8	22.5	21148
Lusheya/Lubinu	37,165	17,878	19,287	8,483	17,959	8,218	12,180	17,998	1,208	0.927	1.065	0.998	0.067	35.2	42.7	22.1	7946
Malahaisongo/Makungu	30,998	14,681	16,317	7,108	15,313	7,049	9,758	14,749	936	0.900	1.102	1.038	0.063	32.1	44.5	23.5	6403
East Wanga	32,340	15,617	16,723	7,257	15,636	7,135	10,775	15,821	883	0.934	1.044	0.988	0.056	33.4	44.6	22.1	6799
Matungu Constituency	146,190	70,281	75,909	33,482	72,431	33,522	46,242	69,114	4,645	0.926	1.115	1.048	0.067	33.3	43.2	23.5	30486
Koyanzo	35,804	16,923	18,881	8,308	18,030	8,129	10,938	16,637	1,137	0.896	1.152	1.084	0.068	33.5	43.3	23.3	7513
Kholera	28,780	13,828	14,952	6,452	14,072	6,691	9,510	13,823	885	0.925	1.082	1.018	0.064	31.9	43.2	24.8	5838
Khalaba	19,691	9,506	10,185	4,735	10,028	4,463	6,257	9,063	600	0.933	1.173	1.106	0.066	31.0	44.8	24.2	4024
Mayoni	30,414	14,779	15,635	7,021	14,893	6,759	9,894	14,673	848	0.945	1.073	1.015	0.058	37.2	41.3	21.5	6632
Namamali	31,501	15,245	16,256	6,966	15,408	7,440	9,643	14,918	1,175	0.938	1.112	1.033	0.079	31.7	44.1	24.2	6479
Butere Constituency	139,158	66,283	72,875	29,196	65,695	31,889	41,731	67,338	6,125	0.910	1.067	0.976	0.091	36.6	42.8	20.6	30479
Marana West	31,235	14,998	16,237	6,675	14,916	7,006	9,450	15,057	1,262	0.924	1.074	0.991	0.084	34.3	43.5	22.2	6659
Marana Central	44,130	21,021	23,109	9,633	21,007	10,073	13,869	21,607	1,516	0.910	1,042	0.972	0.070	36.5	42.4	21.0	9585
Marenyo/Shianda	23,060	10,976	12,084	4,722	10,949	5,224	6,510	10,892	1,219	0.908	1,117	1.005	0.112	37.0	43.0	20.0	5106
Marana North	20,794	9,812	10,982	4,132	9,565	4,863	6,129	10,222	1,007	0.893	1,034	0.936	0.099	36.7	44.1	19.1	4627
Marana South	19,939	9,476	10,463	4,034	9,258	4,633	5,773	9,560	1,121	0.906	1,086	0.968	0.117	39.6	40.9	19.5	4502

Khwisero Constituency	102,132	48,109	54,023	20,519	47,252	23,303	28,962	49,061	5,819	0.891	1,082	0.963	0.119	38.9	43.3	17.8	23225
Kisa North	19,074	8,962	10,112	3,854	8,895	4,329	5,429	9,161	1,018	0.886	1,082	0.971	0.111	36.4	43.7	19.8	4175
Kisa East	19,854	9,303	10,551	3,922	9,286	4,741	5,524	9,398	1,170	0.882	1,113	0.988	0.124	37.5	43.5	19.1	4429
Kisa West	21,153	10,017	11,136	4,248	9,754	4,762	6,037	10,189	1,210	0.900	1,076	0.957	0.119	40.3	42.7	16.9	4895
Kisa Central	42,051	19,827	22,224	8,495	19,317	9,471	11,972	20,313	2,421	0.892	1,070	0.951	0.119	40.0	43.3	16.7	9726
Shinyalu Constituency	157,653	75,529	82,124	31,027	71,171	36,045	49,408	79,142	7,340	0.920	0.992	0.899	0.093	34.4	44.2	21.4	33555
Isukha North	22,306	10,880	11,426	4,426	10,143	5,134	7,333	11,360	803	0.952	0.964	0.893	0.071	34.7	44.3	21.0	4770
Murhanda	28,284	13,549	14,735	5,768	12,839	6,269	8,743	14,156	1,289	0.920	0.998	0.907	0.091	32.2	46.3	21.5	5942
Isukha Central	34,439	16,480	17,959	6,628	15,315	7,930	10,735	17,245	1,879	0.918	0.997	0.888	0.109	33.5	44.6	21.9	7213
Isukha South	35,349	16,836	18,513	6,739	15,723	8,072	11,288	17,961	1,665	0.909	0.968	0.875	0.093	36.9	41.9	21.1	7631
Isukha East	17,900	8,677	9,223	3,835	8,517	3,989	5,316	8,633	750	0.941	1,073	0.987	0.087	34.9	43.3	21.8	3840
Isukha West	19,375	9,107	10,268	3,631	8,634	4,651	5,993	9,787	954	0.887	0.980	0.882	0.097	34.1	45.1	20.8	4159
Ikolomani Constituency	103,598	48,954	54,644	19,896	46,815	24,584	31,207	51,280	5,503	0.896	1,020	0.913	0.107	36.5	43.4	20.1	22629
Idakho South	20,149	9,337	10,812	3,942	9,219	4,669	5,705	9,687	1,243	0.864	1,080	0.952	0.128	38.5	43.0	18.5	4562
Idakho East	26,703	12,626	14,077	4,934	11,988	6,574	8,106	13,206	1,509	0.897	1,022	0.908	0.114	36.1	44.5	19.4	5873
Idakho North	25,747	12,304	13,443	5,025	11,678	6,016	8,027	12,894	1,175	0.915	0.997	0.906	0.091	35.1	43.6	21.3	5485
Idakho Central	30,999	14,687	16,312	5,995	13,930	7,325	9,369	15,493	1,576	0.900	1,001	0.899	0.102	36.8	42.5	20.7	6709

Table 11.2: Employment by County, Constituency and Wards

County/Constituency/ Wards	Work for pay	Family Business	Family Agricultural Holding	Intern/ Volunteer	Retired/ Homemaker	Fulltime Student	Incapacitated	No work	Number of Individuals
Kenya	23.7	13.1	32.0	1.1	9.2	12.8	0.5	7.7	20,249,800
Rural	15.6	11.2	43.5	1.0	8.8	13.0	0.5	6.3	12,984,788
Urban	38.1	16.4	11.4	1.3	9.9	12.2	0.3	10.2	7,265,012
Kakamega County	17.5	10.4	43.7	1.3	6.3	14.0	0.6	6.3	815,361
Lugari Constituency	13.8	11.6	47.8	1.3	4.4	13.4	0.5	7.2	81,740
Mautuma	13.0	10.7	50.3	1.1	5.3	12.8	0.5	6.4	12,155
Lugari	11.8	7.9	53.9	1.1	4.8	14.2	0.4	6.0	15,203
Lumakanda	17.2	17.2	32.7	1.6	5.3	14.8	0.6	10.6	15,545
Chekalini	16.3	11.5	39.4	1.4	4.5	16.0	0.3	10.5	9,840
Chevaywa	13.6	9.3	53.2	1.1	4.3	11.9	0.9	5.8	15,781
Luandeti	11.1	12.8	56.1	1.3	2.3	11.4	0.5	4.6	13,216
Likuyani Constituency	17.8	10.5	35.0	1.4	9.4	13.6	0.6	11.7	61,465
Likuyani	19.5	10.7	31.2	1.0	13.7	12.7	0.9	10.4	13,724
Sango	13.2	7.6	44.5	0.9	10.6	14.5	0.5	8.3	11,011
Kongoni	16.3	9.1	35.6	2.1	7.7	13.5	0.4	15.4	11,595
Nzoia	18.5	12.1	29.7	2.0	9.0	15.0	0.5	13.4	14,997
Sinoko	21.2	12.6	37.3	1.0	4.8	12.2	0.6	10.3	10,138
Malava Constituency	17.3	10.6	48.2	1.5	3.5	14.5	0.6	3.8	100,135
West Kabras	18.1	5.1	59.6	0.7	4.5	10.4	0.4	1.2	12,341
Chemuche	18.1	13.5	42.0	1.1	4.5	15.5	0.3	5.0	14,791
East Kabras	20.1	8.0	53.5	0.8	1.0	12.4	0.6	3.7	11,176
Butali/Chegulo	14.3	13.2	45.1	1.8	3.1	18.4	0.6	3.6	15,924
Manda/Shivanga	14.3	10.3	52.8	0.9	0.8	17.3	0.7	2.9	15,225
Shirugu/Mugai	14.7	13.6	48.1	0.7	5.1	14.8	0.4	2.6	12,023
South Kabras	21.0	9.7	41.0	3.8	5.0	12.1	0.8	6.6	18,655
Lurambi Constituency	29.0	14.8	29.7	1.3	4.1	14.1	0.5	6.5	86,813
Butsotso East	22.5	10.8	53.6	0.6	0.5	9.2	0.4	2.5	11,629
South Butsotso	13.1	6.3	59.7	0.8	1.0	16.7	1.0	1.5	8,567
Central Butsotso	21.9	13.4	48.3	0.7	4.2	9.0	0.6	1.9	13,179
Shieywe	35.3	20.0	10.9	1.7	4.8	16.5	0.3	10.6	28,695
Mahiakalo	36.8	10.8	24.8	1.3	4.3	15.2	0.5	6.3	6,532

Shirere	33.3	15.5	18.2	2.0	6.7	15.5	0.4	8.4	18,211
Navakholo Constituency	10.7	7.1	65.2	0.7	3.8	9.5	0.6	2.3	64,199
Ingotse-Matiha	13.3	7.1	62.6	0.9	1.3	11.1	0.7	2.9	10,687
Shinoyi-Shikomari-Esumeiya	10.2	8.0	70.0	0.4	0.4	8.8	0.6	1.6	12,143
Bunyala West	8.4	5.5	71.2	0.7	4.0	7.8	0.6	1.9	17,395
Bunyala East	10.7	8.7	65.6	0.8	0.6	11.9	0.3	1.4	10,468
Bunyala Central	12.1	7.0	55.0	0.8	11.2	9.3	0.7	3.9	13,506
Mumias West Constituency	23.2	10.3	33.5	1.5	8.3	16.5	0.6	6.3	56,506
Mumias Central	29.4	15.1	19.3	1.1	9.9	15.3	0.4	9.4	19,676
Mumias North	42.2	10.2	10.2	1.4	11.6	17.7	0.2	6.5	9,034
Etenje	11.7	6.4	50.9	2.7	4.9	18.2	0.8	4.4	13,124
Musanda	13.4	7.2	51.3	0.9	7.0	15.7	0.8	3.7	14,672
Mumias East Constituency	18.3	8.6	42.7	1.0	7.1	17.7	0.5	4.1	48,568
Lusheya/Lubinu	17.9	9.5	39.0	1.2	8.2	17.2	0.5	6.7	17,998
Malaha/Isongo/Makunga	16.1	9.8	43.8	0.8	6.4	19.7	0.4	3.0	14,749
East Wanga	20.9	6.5	46.0	1.1	6.5	16.4	0.5	2.0	15,821
Matungu Constituency	16.2	9.0	41.1	0.9	7.3	18.5	0.7	6.4	69,114
Koyonzo	18.5	8.9	38.4	1.0	7.4	16.3	0.6	8.9	16,637
Kholera	15.6	11.8	37.1	0.9	9.1	19.0	0.7	5.9	13,823
Khalaba	10.4	10.5	54.3	0.5	1.1	20.0	0.4	2.9	9,063
Mayoni	20.2	8.0	41.4	1.0	6.9	16.4	0.6	5.6	14,673
Namamali	14.0	6.5	39.5	0.9	9.5	21.7	0.9	7.1	14,918
Butere Constituency	13.8	10.3	47.6	1.3	7.1	13.9	0.7	5.4	67,338
Marama West	13.3	11.8	50.7	2.0	3.0	15.5	0.6	3.2	15,057
Marama Central	17.2	10.0	41.6	1.0	7.6	15.6	0.6	6.4	21,607
Marenyo/Shianda	12.7	7.1	49.3	1.5	9.5	13.1	0.6	6.3	10,892
Marama North	10.3	16.1	40.5	0.8	12.1	12.0	1.0	7.3	10,222
Marama South	11.8	5.9	61.7	1.4	4.6	10.3	0.7	3.4	9,560
Khwisero Constituency	13.4	10.1	46.7	1.5	7.5	13.9	1.0	5.9	49,061
Kisa North	11.9	9.9	51.3	2.6	4.5	15.8	0.8	3.2	9,161
Kisa East	11.8	9.4	44.2	1.0	10.1	15.3	1.0	7.4	9,398
Kisa West	15.2	8.7	52.2	0.7	6.4	11.5	1.1	4.1	10,189

Kisa Central	13.9	11.1	43.1	1.7	8.3	13.6	1.0	7.4	20,313
Shinyalu Constituency	17.3	10.9	45.9	1.3	5.3	10.9	0.8	7.6	79,142
Isukha North	22.0	10.4	39.3	1.4	9.0	11.3	0.5	6.1	11,360
Murhanda	16.7	7.8	52.2	1.2	3.0	11.5	1.6	6.1	14,156
Isukha Central	18.3	13.9	39.7	1.3	6.7	11.9	0.7	7.4	17,245
Isukha South	17.5	11.1	45.9	1.0	3.9	10.1	0.7	9.8	17,961
Isukha East	13.5	9.2	51.9	2.4	5.3	8.7	0.3	8.8	8,633
Isukha West	13.9	11.4	50.4	1.0	4.3	11.2	0.7	7.1	9,787
Ikolomani Constituency	17.0	8.4	39.2	1.1	12.8	12.3	0.8	8.5	51,280
Idakho South	13.8	6.7	29.3	1.2	20.1	14.0	0.8	14.1	9,687
Idakho East	16.6	8.9	45.4	1.4	5.0	14.0	0.8	8.0	13,206
Idakho North	19.7	9.1	42.2	0.7	20.1	5.0	0.8	2.4	12,894
Idakho Central	16.9	8.5	37.7	1.0	8.8	15.8	0.8	10.5	15,493

Table 11.3: Employment and Education Levels by County, Constituency and Wards

County /constituency/Wards	Education Totallevel	Work for pay	Family Business	Family Agricultural Holding	Intern/Volunteer	Retired/Home-maker	Fulltime Student	Incapacitated	No work	Number of Individuals
Kenya	Total	23.7	13.1	32.0	1.1	9.2	12.8	0.5	7.7	20,249,800
Kenya	None	11.1	14.0	44.4	1.7	14.7	0.8	1.2	12.1	3,154,356
Kenya	Primary	20.7	12.6	37.3	0.8	9.6	12.1	0.4	6.5	9,528,270
Kenya	Secondary+	32.7	13.3	20.2	1.2	6.6	18.6	0.2	7.3	7,567,174
Rural	Total	15.6	11.2	43.5	1.0	8.8	13.0	0.5	6.3	12,984,788
Rural	None	8.5	13.6	50.0	1.4	13.9	0.7	1.2	10.7	2,614,951
Rural	Primary	15.5	10.8	45.9	0.8	8.4	13.2	0.5	5.0	6,785,745
Rural	Secondary+	21.0	10.1	34.3	1.0	5.9	21.9	0.3	5.5	3,584,092
Urban	Total	38.1	16.4	11.4	1.3	9.9	12.2	0.3	10.2	7,265,012
Urban	None	23.5	15.8	17.1	3.1	18.7	1.5	1.6	18.8	539,405
Urban	Primary	33.6	16.9	16.0	1.0	12.3	9.5	0.4	10.2	2,742,525
Urban	Secondary+	43.2	16.1	7.5	1.3	7.1	15.6	0.2	9.0	3,983,082
Kakamega	Total	17.5	10.4	43.7	1.3	6.3	14.0	0.6	6.3	815,361
Kakamega	None	16.8	9.8	53.1	2.2	8.4	0.5	2.2	7.1	75,719
Kakamega	Primary	15.4	10.3	47.1	1.0	6.5	13.3	0.5	5.9	479,317

Kakamega	Secondary+	21.7	10.8	34.6	1.4	5.2	19.3	0.3	6.6	260,325
Lugari Constituency	Total	13.8	11.6	47.8	1.3	4.4	13.4	0.5	7.2	81,740
Lugari Constituency	None	14.9	11.3	51.5	3.0	6.6	0.8	2.8	9.3	4,531
Lugari Constituency	Primary	11.9	11.7	50.9	1.0	4.7	12.6	0.5	6.9	47,996
Lugari Constituency	Secondary+	16.6	11.5	42.2	1.4	3.7	16.8	0.3	7.4	29,213
Mautuma Wards	Total	13.0	10.7	50.3	1.1	5.3	12.8	0.5	6.4	12,155
Mautuma Wards	None	15.8	7.5	52.6	2.4	8.3	0.3	2.7	10.5	677
Mautuma Wards	Primary	11.6	11.0	51.8	1.0	5.6	11.9	0.5	6.7	7,331
Mautuma Wards	Secondary+	14.9	10.8	47.3	1.0	4.3	16.4	0.2	5.2	4,147
Lugari Wards	Total	11.8	7.9	53.9	1.1	4.8	14.2	0.4	6.0	15,203
Lugari Wards	None	13.0	6.3	63.5	2.2	4.9	0.1	2.1	7.9	860
Lugari Wards	Primary	10.9	7.8	55.3	1.0	5.2	13.4	0.3	6.0	9,232
Lugari Wards	Secondary+	13.3	8.3	49.7	1.1	4.0	18.0	0.2	5.5	5,111
Lumakanda Wards	Total	17.2	17.2	32.7	1.6	5.3	14.8	0.6	10.6	15,545
Lumakanda Wards	None	15.7	18.0	39.2	3.4	8.1	1.1	3.0	11.5	904
Lumakanda Wards	Primary	14.0	18.2	36.1	1.1	5.5	13.7	0.6	11.0	8,506
Lumakanda Wards	Secondary+	21.8	15.7	27.1	2.1	4.6	18.5	0.2	10.0	6,135
Chekalini Wards	Total	16.3	11.5	39.4	1.4	4.5	16.0	0.3	10.5	9,840
Chekalini Wards	None	18.8	13.4	36.6	3.4	8.2	1.0	2.4	16.1	584
Chekalini Wards	Primary	15.2	11.9	43.4	1.0	4.7	14.8	0.3	8.7	5,069
Chekalini Wards	Secondary+	17.4	10.8	34.8	1.5	3.8	19.6	0.1	12.0	4,187
Chevaywa Wards	Total	13.6	9.3	53.2	1.1	4.3	11.9	0.9	5.8	15,781
Chevaywa Wards	None	11.6	9.4	60.3	3.0	6.4	0.7	3.6	5.0	945
Chevaywa Wards	Primary	11.9	9.2	55.5	0.8	4.7	11.8	0.6	5.5	9,927
Chevaywa Wards	Secondary+	17.3	9.5	47.1	1.2	3.2	14.2	0.8	6.7	4,909
Luandeti Wards	Total	11.1	12.8	56.1	1.3	2.3	11.4	0.5	4.6	13,216
Luandeti Wards	None	16.8	13.4	52.1	3.9	3.6	1.4	2.5	6.4	561
Luandeti Wards	Primary	9.2	12.6	59.8	1.1	2.3	10.4	0.4	4.2	7,931
Luandeti Wards	Secondary+	13.7	13.0	50.4	1.3	2.2	14.1	0.4	4.9	4,724
Likuyani Constituency	Total	17.8	10.5	35.0	1.4	9.4	13.6	0.6	11.7	61,465
Likuyani Constituency	None	20.9	7.6	40.2	2.2	11.5	0.5	2.8	14.4	4,311
Likuyani Constituency	Primary	17.0	10.1	36.5	1.3	10.2	12.6	0.5	11.8	34,620
Likuyani Constituency	Secondary+	18.5	11.5	31.8	1.5	7.7	17.8	0.3	11.0	22,534
Likuyani Wards	Total	19.5	10.7	31.2	1.0	13.7	12.7	0.9	10.4	13,724

Likuyani Wards	None	23.5	7.0	34.9	1.4	18.1	0.2	3.8	11.2	1,014
Likuyani Wards	Primary	18.6	10.0	32.2	0.8	14.8	12.2	0.8	10.7	7,682
Likuyani Wards	Secondary+	20.0	12.5	28.9	1.2	11.2	16.0	0.4	9.9	5,028
Sango Wards	Total	13.2	7.6	44.5	0.9	10.6	14.5	0.5	8.3	11,011
Sango Wards	None	17.9	6.8	46.1	2.0	11.8	0.1	2.4	13.0	849
Sango Wards	Primary	12.1	7.1	46.3	0.7	11.3	13.9	0.4	8.1	6,764
Sango Wards	Secondary+	14.2	8.7	40.4	1.0	8.8	19.2	0.2	7.4	3,398
Kongoni Wards	Total	16.3	9.1	35.6	2.1	7.7	13.5	0.4	15.4	11,595
Kongoni Wards	None	15.3	6.0	42.0	3.2	8.8	0.9	1.6	22.2	919
Kongoni Wards	Primary	14.7	8.8	36.7	2.3	8.3	12.9	0.4	16.0	6,299
Kongoni Wards	Secondary+	18.7	10.1	32.5	1.7	6.6	17.0	0.3	13.1	4,377
Nzoia Wards	Total	18.5	12.1	29.7	2.0	9.0	15.0	0.5	13.4	14,997
Nzoia Wards	None	19.6	8.4	38.9	2.5	12.2	0.5	2.9	15.1	797
Nzoia Wards	Primary	17.7	11.8	31.6	1.8	9.9	12.7	0.4	14.2	8,121
Nzoia Wards	Secondary+	19.4	13.0	26.0	2.2	7.3	19.8	0.3	12.1	6,079
Sinoko Wards	Total	21.2	12.6	37.3	1.0	4.8	12.2	0.6	10.3	10,138
Sinoko Wards	None	29.0	10.7	39.9	2.1	4.9	0.7	3.1	9.7	732
Sinoko Wards	Primary	22.0	13.2	37.4	0.8	5.5	11.1	0.4	9.7	5,754
Sinoko Wards	Secondary+	18.4	12.0	36.6	1.2	3.7	16.4	0.4	11.4	3,652
Malava Constituency	Total	17.3	10.6	48.2	1.5	3.5	14.5	0.6	3.8	100,135
Malava Constituency	None	18.3	9.7	57.1	3.1	4.9	0.8	2.4	3.7	6,611
Malava Constituency	Primary	16.0	10.7	50.2	1.4	3.5	14.2	0.5	3.6	59,919
Malava Constituency	Secondary+	19.4	10.7	42.7	1.5	3.2	17.8	0.3	4.4	33,605
West Kabras Wards	Total	18.1	5.1	59.6	0.7	4.5	10.4	0.4	1.2	12,341
West Kabras Wards	None	25.4	5.9	57.0	2.2	6.6	0.1	1.5	1.3	1,052
West Kabras Wards	Primary	17.5	4.9	60.9	0.5	4.4	10.4	0.3	1.1	7,877
West Kabras Wards	Secondary+	17.1	5.3	57.4	0.9	4.0	13.6	0.3	1.3	3,412
Chemuche Wards	Total	18.1	13.5	42.0	1.1	4.5	15.5	0.3	5.0	14,791
Chemuche Wards	None	16.0	13.3	51.9	2.8	6.5	1.3	2.4	5.9	758
Chemuche Wards	Primary	15.8	13.9	45.4	0.8	4.7	14.6	0.2	4.6	8,274
Chemuche Wards	Secondary+	21.7	13.0	35.9	1.2	3.9	18.5	0.2	5.5	5,759
East Kabras Wards	Total	20.1	8.0	53.5	0.8	1.0	12.4	0.6	3.7	11,176
East Kabras Wards	None	19.2	6.5	64.1	2.3	2.2	0.5	2.3	3.0	740
East Kabras Wards	Primary	19.5	8.3	54.4	0.5	0.8	12.5	0.6	3.5	6,980

East Kabras Wards	Secondary+	21.5	7.6	49.5	1.0	1.1	14.7	0.2	4.4	3,456
Butali/Chegulo Wards	Total	14.3	13.2	45.1	1.8	3.1	18.4	0.6	3.6	15,924
Butali/Chegulo Wards	None	13.4	11.6	60.2	3.0	4.8	1.7	2.7	2.7	881
Butali/Chegulo Wards	Primary	12.6	13.1	46.7	1.7	3.0	18.6	0.6	3.6	8,966
Butali/Chegulo Wards	Secondary+	17.0	13.5	40.6	1.7	3.1	20.4	0.2	3.6	6,077
Manda/Shivanga Wards	Total	14.3	10.3	52.8	0.9	0.8	17.3	0.7	2.9	15,225
Manda/Shivanga Wards	None	14.4	10.0	64.4	2.7	1.4	0.8	2.2	4.0	950
Manda/Shivanga Wards	Primary	13.0	11.1	54.4	0.6	0.7	16.8	0.8	2.5	9,213
Manda/Shivanga Wards	Secondary+	16.7	8.9	47.8	1.0	0.8	21.2	0.4	3.3	5,062
Shirugu/Mugai Wards	Total	14.7	13.6	48.1	0.7	5.1	14.8	0.4	2.6	12,023
Shirugu/Mugai Wards	None	15.3	15.3	53.0	2.5	8.5	0.8	2.4	2.1	717
Shirugu/Mugai Wards	Primary	12.8	13.4	51.5	0.5	5.2	14.2	0.3	2.1	7,036
Shirugu/Mugai Wards	Secondary+	17.8	13.6	41.5	0.8	4.4	18.2	0.2	3.5	4,270
South Kabras Wards	Total	21.0	9.7	41.0	3.8	5.0	12.1	0.8	6.6	18,655
South Kabras Wards	None	20.7	8.3	51.9	5.0	4.8	0.5	3.0	5.9	1,513
South Kabras Wards	Primary	20.0	9.8	42.4	3.8	5.2	12.0	0.6	6.2	11,573
South Kabras Wards	Secondary+	23.4	10.1	35.1	3.4	4.6	15.6	0.5	7.5	5,569
Lurambi Constituency	Total	29.0	14.8	29.7	1.3	4.1	14.1	0.5	6.5	86,813
Lurambi Constituency	None	26.5	13.9	43.4	2.4	4.0	0.9	1.9	7.1	6,072
Lurambi Constituency	Primary	24.8	15.0	37.7	0.9	4.4	10.8	0.5	5.8	40,898
Lurambi Constituency	Secondary+	33.8	14.7	19.3	1.6	3.8	19.5	0.2	7.1	39,843
Butsotso East Wards	Total	22.5	10.8	53.6	0.6	0.5	9.2	0.4	2.5	11,629
Butsotso East Wards	None	26.9	7.1	61.1	0.9	0.4	0.8	1.2	1.8	1,061
Butsotso East Wards	Primary	21.2	11.1	55.7	0.4	0.6	8.3	0.3	2.4	7,412
Butsotso East Wards	Secondary+	24.1	11.2	46.1	1.0	0.5	14.1	0.2	2.8	3,156
South Butsotso Wards	Total	13.1	6.3	59.7	0.8	1.0	16.7	1.0	1.5	8,567
South Butsotso Wards	None	14.6	6.9	71.0	2.0	0.7	0.9	2.6	1.3	693
South Butsotso Wards	Primary	12.0	6.3	61.9	0.6	0.9	16.0	0.9	1.4	5,300
South Butsotso Wards	Secondary+	15.0	6.4	52.0	0.9	1.1	22.3	0.7	1.8	2,574
Central Butsotso Wards	Total	21.9	13.4	48.3	0.7	4.2	9.0	0.6	1.9	13,179
Central Butsotso Wards	None	23.2	13.5	54.3	1.0	3.5	0.4	2.5	1.7	1,214
Central Butsotso Wards	Primary	21.3	14.3	49.4	0.4	3.8	8.8	0.6	1.4	7,584
Central Butsotso Wards	Secondary+	22.5	11.9	44.6	1.1	5.1	11.9	0.2	2.7	4,381
Shieywe Wards	Total	35.3	20.0	10.9	1.7	4.8	16.5	0.3	10.6	28,695

Shieywe Wards	None	32.6	21.3	18.4	3.4	5.5	1.5	1.9	15.5	1,514
Shieywe Wards	Primary	32.9	22.8	14.4	1.5	6.4	10.2	0.3	11.7	10,630
Shieywe Wards	Secondary+	37.0	18.1	7.9	1.7	3.7	21.9	0.1	9.4	16,551
Mahiakalo Wards	Total	36.8	10.8	24.8	1.3	4.3	15.2	0.5	6.3	6,532
Mahiakalo Wards	None	33.1	7.2	39.4	2.2	6.6	1.7	3.6	6.3	363
Mahiakalo Wards	Primary	32.9	10.9	33.4	0.8	4.7	10.1	0.6	6.7	2,886
Mahiakalo Wards	Secondary+	40.7	11.1	15.6	1.6	3.8	21.3	0.1	6.0	3,283
Shirere Wards	Total	33.3	15.5	18.2	2.0	6.7	15.5	0.4	8.4	18,211
Shirere Wards	None	26.7	16.8	33.7	4.1	6.8	0.7	1.1	10.1	1,227
Shirere Wards	Primary	26.6	16.5	25.1	1.6	8.7	13.0	0.4	8.2	7,086
Shirere Wards	Secondary+	38.9	14.6	11.3	2.0	5.3	19.2	0.3	8.4	9,898
Navakholo Constituency	Total	10.7	7.1	65.2	0.7	3.8	9.5	0.6	2.3	64,199
Navakholo Constituency	None	10.9	7.4	70.6	1.6	4.6	0.4	1.9	2.6	5,860
Navakholo Constituency	Primary	9.6	6.8	67.0	0.5	4.0	9.5	0.5	2.2	40,506
Navakholo Constituency	Secondary+	13.2	7.7	59.5	0.9	3.1	12.7	0.4	2.6	17,833
Ingotse-Matiha Wards	Total	13.3	7.1	62.6	0.9	1.3	11.1	0.7	2.9	10,687
Ingotse-Matiha Wards	None	14.2	6.4	71.1	1.5	2.0	0.3	1.6	3.0	1,475
Ingotse-Matiha Wards	Primary	12.1	6.9	64.9	0.8	1.2	10.9	0.5	2.9	6,628
Ingotse-Matiha Wards	Secondary+	16.1	8.3	51.7	1.0	1.4	18.0	0.6	2.9	2,584
Shinoyi-Shikomari-Esumeiya Wards	Total	10.2	8.0	70.0	0.4	0.4	8.8	0.6	1.6	12,143
Shinoyi-Shikomari-Esumeiya Wards	None	9.0	8.2	78.3	1.2	0.7	0.3	1.2	1.1	1,206
Shinoyi-Shikomari-Esumeiya Wards	Primary	9.4	7.7	71.6	0.2	0.4	8.8	0.5	1.4	7,670
Shinoyi-Shikomari-Esumeiya Wards	Secondary+	12.6	8.7	63.2	0.6	0.4	11.7	0.6	2.1	3,267
Bunyala West Wards	Total	8.4	5.5	71.2	0.7	4.0	7.8	0.6	1.9	17,395
Bunyala West Wards	None	6.9	4.1	76.1	1.0	6.6	0.1	2.3	2.9	1,380
Bunyala West Wards	Primary	7.2	5.2	73.7	0.5	3.8	7.6	0.5	1.6	11,139
Bunyala West Wards	Secondary+	11.7	6.7	63.8	1.1	3.7	10.4	0.4	2.2	4,876
Bunyala East Wards	Total	10.7	8.7	65.6	0.8	0.6	11.9	0.3	1.4	10,468
Bunyala East Wards	None	16.0	10.4	65.8	2.2	0.4	1.0	1.7	2.4	767
Bunyala East Wards	Primary	9.2	8.3	68.4	0.5	0.5	11.9	0.2	1.1	6,374
Bunyala East Wards	Secondary+	12.5	9.1	60.4	0.8	0.8	14.6	0.1	1.8	3,327
Bunyala Central Wards	Total	12.1	7.0	55.0	0.8	11.2	9.3	0.7	3.9	13,506
Bunyala Central Wards	None	10.3	10.1	57.2	2.2	13.4	0.3	2.8	3.8	1,032
Bunyala Central Wards	Primary	11.4	6.8	54.8	0.6	12.4	9.7	0.5	3.9	8,695

Bunyala Central Wards	Secondary+	14.3	6.5	55.0	0.8	7.9	11.0	0.3	4.0	3,779
Mumias West Constituency	Total	23.2	10.3	33.5	1.5	8.3	16.5	0.6	6.3	56,506
Mumias West Constituency	None	17.7	9.6	50.3	2.1	10.6	0.5	1.8	7.4	6,454
Mumias West Constituency	Primary	18.5	9.9	39.8	1.4	8.5	15.6	0.5	5.8	30,341
Mumias West Constituency	Secondary+	32.3	11.0	18.4	1.4	7.1	23.0	0.2	6.7	19,711
Mumias Central Wards	Total	29.4	15.1	19.3	1.1	9.9	15.3	0.4	9.4	19,676
Mumias Central Wards	None	25.4	14.4	32.6	1.4	12.5	0.8	1.6	11.2	2,088
Mumias Central Wards	Primary	25.2	15.0	22.7	0.9	11.0	15.5	0.3	9.4	9,912
Mumias Central Wards	Secondary+	36.0	15.6	11.3	1.2	7.8	18.9	0.2	9.0	7,676
Mumias North Wards	Total	42.2	10.2	10.2	1.4	11.6	17.7	0.2	6.5	9,034
Mumias North Wards	None	28.2	13.9	17.4	3.3	22.5	0.2	1.0	13.6	604
Mumias North Wards	Primary	35.0	11.7	16.1	1.7	14.7	13.6	0.2	7.0	3,043
Mumias North Wards	Secondary+	47.9	9.0	6.1	1.0	8.7	22.0	0.1	5.4	5,387
Etenje Wards	Total	11.7	6.4	50.9	2.7	4.9	18.2	0.8	4.4	13,124
Etenje Wards	None	11.9	6.4	65.8	3.5	6.3	0.3	2.0	4.0	1,823
Etenje Wards	Primary	11.1	6.2	53.3	2.4	5.0	17.1	0.6	4.3	8,270
Etenje Wards	Secondary+	13.3	7.0	35.4	2.8	3.9	31.9	0.5	5.1	3,031
Musanda Wards	Total	13.4	7.2	51.3	0.9	7.0	15.7	0.8	3.7	14,672
Musanda Wards	None	11.5	6.2	65.1	1.1	8.9	0.3	2.1	4.7	1,939
Musanda Wards	Primary	12.4	7.3	53.9	0.8	7.0	15.0	0.7	3.0	9,116
Musanda Wards	Secondary+	17.0	7.6	37.3	0.9	6.1	25.9	0.3	5.1	3,617
Mumias East Constituency	Total	18.3	8.6	42.7	1.0	7.1	17.7	0.5	4.1	48,568
Mumias East Constituency	None	17.8	8.5	54.1	1.9	11.2	0.6	1.5	4.5	5,249
Mumias East Constituency	Primary	17.6	8.8	45.1	0.8	7.0	16.6	0.4	3.8	29,312
Mumias East Constituency	Secondary+	20.1	8.2	33.6	1.2	5.8	26.5	0.3	4.5	14,007
Lusheya/Lubinu Wards	Total	17.9	9.5	39.0	1.2	8.2	17.2	0.5	6.7	17,998
Lusheya/Lubinu Wards	None	17.1	8.8	51.3	2.3	11.9	0.4	1.4	6.8	2,106
Lusheya/Lubinu Wards	Primary	16.7	9.7	41.2	1.0	8.3	16.3	0.3	6.5	11,074
Lusheya/Lubinu Wards	Secondary+	20.9	9.1	28.5	1.1	6.5	26.6	0.3	7.0	4,818
Malaha/Isono/Makunga Wards	Total	16.1	9.8	43.8	0.8	6.4	19.7	0.4	3.0	14,749
Malaha/Isono/Makunga Wards	None	17.5	10.5	53.3	1.2	11.6	0.8	0.9	4.2	1,541
Malaha/Isono/Makunga Wards	Primary	15.5	10.1	46.4	0.6	5.9	18.7	0.5	2.5	8,962
Malaha/Isono/Makunga Wards	Secondary+	16.9	9.0	34.7	1.1	5.4	28.9	0.2	3.8	4,246
East Wanga Wards	Total	20.9	6.5	46.0	1.1	6.5	16.4	0.5	2.0	15,821

East Wanga Wards	None	18.9	6.4	58.6	2.1	9.9	0.6	2.0	1.6	1,602
East Wanga Wards	Primary	20.6	6.5	48.4	0.9	6.4	14.9	0.4	1.8	9,276
East Wanga Wards	Secondary+	22.1	6.5	37.5	1.2	5.4	24.4	0.2	2.6	4,943
Matungu Constituency	Total	16.2	9.0	41.1	0.9	7.3	18.5	0.7	6.4	69,114
Matungu Constituency	None	15.5	9.2	55.3	1.4	9.9	0.5	2.0	6.4	9,063
Matungu Constituency	Primary	15.4	9.0	42.4	0.7	7.4	18.6	0.5	6.1	43,689
Matungu Constituency	Secondary+	18.8	8.8	29.8	1.0	5.6	28.2	0.4	7.4	16,362
Koyonzo Wards	Total	18.5	8.9	38.4	1.0	7.4	16.3	0.6	8.9	16,637
Koyonzo Wards	None	16.6	9.1	48.9	2.1	10.8	0.5	1.8	10.2	2,310
Koyonzo Wards	Primary	17.9	8.9	39.8	0.8	7.2	15.9	0.4	9.0	10,815
Koyonzo Wards	Secondary+	21.5	8.9	27.2	0.9	5.8	27.8	0.4	7.6	3,512
Kholera Wards	Total	15.6	11.8	37.1	0.9	9.1	19.0	0.7	5.9	13,823
Kholera Wards	None	15.9	11.3	52.3	0.7	11.4	0.5	1.8	6.0	1,622
Kholera Wards	Primary	14.8	12.1	38.7	0.8	9.3	18.1	0.6	5.7	8,418
Kholera Wards	Secondary+	17.2	11.5	27.0	1.1	7.8	28.8	0.3	6.3	3,783
Khalaba Wards	Total	10.4	10.5	54.3	0.5	1.1	20.0	0.4	2.9	9,063
Khalaba Wards	None	9.2	14.9	69.2	1.2	1.3	0.3	1.6	2.2	997
Khalaba Wards	Primary	10.2	10.1	55.0	0.4	1.1	21.0	0.2	2.0	6,165
Khalaba Wards	Secondary+	11.8	9.3	44.1	0.5	0.9	27.0	0.4	5.9	1,901
Mayoni Wards	Total	20.2	8.0	41.4	1.0	6.9	16.4	0.6	5.6	14,673
Mayoni Wards	None	19.0	6.9	58.7	1.3	7.9	0.3	2.0	4.0	2,175
Mayoni Wards	Primary	18.4	8.2	43.0	0.8	7.4	17.2	0.4	4.7	8,877
Mayoni Wards	Secondary+	25.2	8.2	27.0	1.4	5.0	24.1	0.4	8.9	3,621
Namamali Wards	Total	14.0	6.5	39.5	0.9	9.5	21.7	0.9	7.1	14,918
Namamali Wards	None	13.1	7.0	54.2	1.4	13.9	0.7	2.6	7.1	1,959
Namamali Wards	Primary	13.8	6.5	39.8	0.7	9.8	21.8	0.7	6.9	9,414
Namamali Wards	Secondary+	15.1	6.0	30.7	1.0	6.2	32.9	0.5	7.6	3,545
Butere Constituency	Total	13.8	10.3	47.6	1.3	7.1	13.9	0.7	5.4	67,338
Butere Constituency	None	12.9	10.1	56.7	2.2	9.9	0.4	2.0	5.9	7,519
Butere Constituency	Primary	11.9	10.3	50.4	1.1	7.2	13.7	0.6	5.0	42,045
Butere Constituency	Secondary+	18.6	10.4	37.0	1.5	5.8	20.1	0.3	6.2	17,774
Marama West Wards	Total	13.3	11.8	50.7	2.0	3.0	15.5	0.6	3.2	15,057
Marama West Wards	None	12.1	17.1	56.8	3.3	4.1	0.7	2.0	3.8	1,471
Marama West Wards	Primary	11.9	10.8	54.0	1.7	3.0	15.2	0.5	2.9	9,487

Marama West Wards	Secondary+	16.8	12.2	40.9	2.0	2.5	21.6	0.2	3.9	4,099
Marama Central Wards	Total	17.2	10.0	41.6	1.0	7.6	15.6	0.6	6.4	21,607
Marama Central Wards	None	16.7	9.3	52.1	1.6	10.8	0.3	2.1	7.1	2,679
Marama Central Wards	Primary	14.3	10.2	45.5	0.8	7.7	15.3	0.5	5.7	12,937
Marama Central Wards	Secondary+	23.5	9.9	28.5	1.1	6.0	23.1	0.3	7.6	5,991
Marenyo/Shianda Wards	Total	12.7	7.1	49.3	1.5	9.5	13.1	0.6	6.3	10,892
Marenyo/Shianda Wards	None	11.5	6.4	57.5	2.3	13.0	0.3	1.7	7.3	1,215
Marenyo/Shianda Wards	Primary	11.2	7.0	51.2	1.3	9.6	13.6	0.4	5.7	7,109
Marenyo/Shianda Wards	Secondary+	17.5	7.5	40.3	1.9	7.4	17.6	0.6	7.4	2,568
Marama North Wards	Total	10.3	16.1	40.5	0.8	12.1	12.0	1.0	7.3	10,222
Marama North Wards	None	9.2	12.3	51.0	1.2	16.1	0.5	2.3	7.6	1,059
Marama North Wards	Primary	8.8	17.5	40.9	0.6	12.3	11.7	0.9	7.4	6,342
Marama North Wards	Secondary+	14.0	14.4	35.6	0.9	10.2	17.1	0.6	7.2	2,821
Marama South Wards	Total	11.8	5.9	61.7	1.4	4.6	10.3	0.7	3.4	9,560
Marama South Wards	None	9.5	4.5	72.7	2.7	6.2	0.4	1.7	2.3	1,095
Marama South Wards	Primary	10.7	5.9	64.0	1.0	4.7	9.9	0.6	3.3	6,170
Marama South Wards	Secondary+	15.9	6.9	50.2	2.1	3.8	16.3	0.4	4.4	2,295
Khwisero Constituency	Total	13.4	10.1	46.7	1.5	7.5	13.9	1.0	5.9	49,061
Khwisero Constituency	None	12.9	9.8	57.0	2.6	8.5	0.4	2.7	6.0	5,304
Khwisero Constituency	Primary	11.5	10.3	49.0	1.3	7.7	13.8	0.8	5.6	31,348
Khwisero Constituency	Secondary+	18.4	9.6	36.6	1.6	6.7	19.9	0.7	6.6	12,409
Kisa North Wards	Total	11.9	9.9	51.3	2.6	4.5	15.8	0.8	3.2	9,161
Kisa North Wards	None	8.9	13.0	62.0	3.3	6.9	0.4	2.8	2.7	936
Kisa North Wards	Primary	10.3	10.0	53.7	2.3	4.5	15.5	0.6	3.1	5,794
Kisa North Wards	Secondary+	16.8	8.7	41.3	3.0	3.5	22.6	0.5	3.7	2,431
Kisa East Wards	Total	11.8	9.4	44.2	1.0	10.1	15.3	1.0	7.4	9,398
Kisa East Wards	None	10.4	8.3	55.4	1.5	11.9	0.8	3.4	8.3	951
Kisa East Wards	Primary	10.2	9.7	45.9	0.8	10.6	14.9	0.9	7.0	5,967
Kisa East Wards	Secondary+	16.0	9.0	35.9	1.1	8.0	21.6	0.4	8.0	2,480
Kisa West Wards	Total	15.2	8.7	52.2	0.7	6.4	11.5	1.1	4.1	10,189
Kisa West Wards	None	15.0	7.4	65.6	1.3	5.9	0.1	2.7	2.1	1,278
Kisa West Wards	Primary	14.0	8.9	54.0	0.7	6.2	11.4	0.9	3.9	6,715
Kisa West Wards	Secondary+	19.3	8.7	39.0	0.6	7.4	18.6	0.6	5.9	2,196
Kisa Central Wards	Total	13.9	11.1	43.1	1.7	8.3	13.6	1.0	7.4	20,313

Kisa Central Wards	None	14.5	10.6	50.4	3.7	9.3	0.4	2.3	8.7	2,139
Kisa Central Wards	Primary	11.4	11.4	45.7	1.3	8.6	13.8	0.8	7.0	12,872
Kisa Central Wards	Secondary+	19.8	10.7	33.7	1.7	7.2	18.3	0.9	7.6	5,302
Shinyalu Constituency	Total	17.3	10.9	45.9	1.3	5.3	10.9	0.8	7.6	79,142
Shinyalu Constituency	None	17.0	11.4	50.6	2.3	6.3	0.5	2.3	9.6	8,749
Shinyalu Constituency	Primary	15.9	10.9	48.4	1.0	5.5	10.3	0.7	7.3	48,135
Shinyalu Constituency	Secondary+	20.4	10.6	38.7	1.7	4.3	16.3	0.5	7.5	22,258
Isukha North Wards	Total	22.0	10.4	39.3	1.4	9.0	11.3	0.5	6.1	11,360
Isukha North Wards	None	19.0	9.6	49.1	2.5	8.4	0.5	1.7	9.3	884
Isukha North Wards	Primary	20.1	11.4	41.7	1.1	9.7	10.0	0.5	5.6	6,729
Isukha North Wards	Secondary+	25.9	8.9	32.7	1.7	7.9	16.2	0.4	6.2	3,747
Murhanda Wards	Total	16.7	7.8	52.2	1.2	3.0	11.5	1.6	6.1	14,156
Murhanda Wards	None	16.9	9.0	56.8	2.2	4.0	0.6	3.3	7.3	1,695
Murhanda Wards	Primary	16.5	7.5	53.9	0.8	2.9	11.0	1.5	6.0	8,927
Murhanda Wards	Secondary+	17.0	8.0	45.8	1.7	2.6	17.9	1.3	5.7	3,534
Isukha Central Wards	Total	18.3	13.9	39.7	1.3	6.7	11.9	0.7	7.4	17,245
Isukha Central Wards	None	16.9	15.5	40.7	2.4	8.5	0.4	2.1	13.5	2,123
Isukha Central Wards	Primary	17.1	13.9	42.3	1.1	6.9	12.0	0.6	6.2	10,304
Isukha Central Wards	Secondary+	21.7	13.2	33.8	1.5	5.3	16.9	0.5	7.1	4,818
Isukha South Wards	Total	17.5	11.1	45.9	1.0	3.9	10.1	0.7	9.8	17,961
Isukha South Wards	None	15.9	11.6	53.0	1.8	4.0	0.5	2.4	10.7	2,062
Isukha South Wards	Primary	15.4	11.0	49.0	0.8	4.3	9.0	0.6	9.9	10,691
Isukha South Wards	Secondary+	22.5	11.2	36.7	1.3	3.0	16.1	0.2	9.1	5,208
Isukha East Wards	Total	13.5	9.2	51.9	2.4	5.3	8.7	0.3	8.8	8,633
Isukha East Wards	None	18.7	9.5	50.7	4.0	7.9	0.4	1.0	7.8	901
Isukha East Wards	Primary	12.2	9.0	54.2	1.9	5.5	7.8	0.2	9.2	5,722
Isukha East Wards	Secondary+	14.8	9.4	45.8	3.2	3.6	15.0	0.3	8.0	2,010
Isukha West Wards	Total	13.9	11.4	50.4	1.0	4.3	11.2	0.7	7.1	9,787
Isukha West Wards	None	16.7	9.4	56.9	1.4	7.2	0.7	2.5	5.3	1,084
Isukha West Wards	Primary	12.4	11.9	52.0	0.7	4.3	11.3	0.5	6.8	5,762
Isukha West Wards	Secondary+	15.7	11.3	44.8	1.7	3.2	14.7	0.4	8.4	2,941
Ikolomani Constituency	Total	17.0	8.4	39.2	1.1	12.8	12.3	0.8	8.5	51,280
Ikolomani Constituency	None	17.8	8.3	46.0	1.5	13.8	0.2	2.4	9.9	5,996
Ikolomani Constituency	Primary	16.3	8.3	40.0	0.9	13.3	11.8	0.7	8.6	30,508

Ikolomani Constituency	Secondary+	18.0	8.6	34.8	1.1	11.3	18.0	0.4	7.7	14,776
Idakho South Wards	Total	13.8	6.7	29.3	1.2	20.1	14.0	0.8	14.1	9,687
Idakho South Wards	None	14.1	4.5	36.3	1.6	25.6	0.3	3.0	14.6	1,202
Idakho South Wards	Primary	12.5	6.6	30.6	1.1	20.9	13.4	0.6	14.3	5,867
Idakho South Wards	Secondary+	16.7	7.8	23.1	1.1	15.9	21.6	0.5	13.4	2,618
Idakho East Wards	Total	16.6	8.9	45.4	1.4	5.0	14.0	0.8	8.0	13,206
Idakho East Wards	None	17.8	9.6	51.5	1.8	6.6	0.4	2.5	9.8	1,387
Idakho East Wards	Primary	15.9	8.4	47.4	1.2	5.1	13.3	0.7	8.0	7,471
Idakho East Wards	Secondary+	17.4	9.6	40.2	1.5	4.3	19.3	0.4	7.4	4,348
Idakho North Wards	Total	19.7	9.1	42.2	0.7	20.1	5.0	0.8	2.4	12,894
Idakho North Wards	None	21.7	11.7	45.4	1.1	15.6	0.1	1.9	2.6	1,473
Idakho North Wards	Primary	19.6	8.7	43.2	0.6	20.4	4.5	0.7	2.3	7,962
Idakho North Wards	Secondary+	19.3	8.9	38.5	0.9	21.3	8.3	0.4	2.4	3,459
Idakho Central Wards	Total	16.9	8.5	37.7	1.0	8.8	15.8	0.8	10.5	15,493
Idakho Central Wards	None	17.0	7.2	48.7	1.7	10.2	0.2	2.4	12.7	1,934
Idakho Central Wards	Primary	16.1	9.1	37.3	0.9	9.1	15.9	0.7	11.0	9,208
Idakho Central Wards	Secondary+	18.5	7.9	33.5	1.1	7.5	22.4	0.4	8.7	4,351

Table 11.4: Employment and Education Levels in Male Headed Household by County, Constituency and Wards

County, Constituency and Wards	Education Level reached	Work for Pay	Family Business	Family Agricultural holding	Internal/ Volunteer	Retired/ Homemaker	Fulltime Student	Incapacitated	No work	Population (15-64)
Kenya National	Total	25.5	13.5	31.6	1.1	9.0	11.4	0.4	7.5	
Kenya National	None	11.4	14.3	44.2	1.6	13.9	0.9	1.0	12.6	2,183,284
Kenya National	Primary	22.2	12.9	37.3	0.8	9.4	10.6	0.4	6.4	6,939,667
Kenya National	Secondary+	35.0	13.8	19.8	1.1	6.5	16.5	0.2	7.0	5,635,041
Rural Rural	Total	16.8	11.6	43.9	1.0	8.3	11.7	0.5	6.3	9,262,744
Rural Rural	None	8.6	14.1	49.8	1.4	13.0	0.8	1.0	11.4	1,823,487
Rural Rural	Primary	16.5	11.2	46.7	0.8	8.0	11.6	0.4	4.9	4,862,291
Rural Rural	Secondary+	23.1	10.6	34.7	1.0	5.5	19.6	0.2	5.3	2,576,966
Urban Urban	Total	40.2	16.6	10.9	1.3	10.1	10.9	0.3	9.7	5,495,248
Urban Urban	None	25.8	15.5	16.1	3.0	18.2	1.4	1.3	18.7	359,797
Urban Urban	Primary	35.6	16.9	15.4	1.0	12.8	8.1	0.3	9.9	2,077,376
Urban Urban	Secondary+	45.1	16.6	7.3	1.2	7.4	13.8	0.1	8.5	3,058,075
Kakamega	Total	19.3	10.8	43.6	1.2	6.1	12.4	0.5	6.1	582,835

Kakamega	None	18.7	9.8	52.4	2.0	7.8	0.5	1.9	7.0	48,787
Kakamega	Primary	16.9	10.6	47.3	1.0	6.3	11.6	0.5	5.8	349,535
Kakamega	Secondary+	24.0	11.3	34.4	1.4	5.0	17.1	0.3	6.3	184,513
Lugari Constituency	Total	14.9	11.9	48.1	1.2	4.4	12.1	0.5	6.9	59,433
Lugari Constituency	None	16.4	11.5	51.2	3.3	6.2	0.6	2.5	8.2	2,897
Lugari Constituency	Primary	12.9	11.9	51.3	1.0	4.7	11.1	0.4	6.7	35,619
Lugari Constituency	Secondary+	18.2	11.9	42.1	1.4	3.7	15.4	0.3	7.1	20,917
Mautuma Ward	Total	14.4	11.5	49.8	1.1	5.0	11.1	0.4	6.6	8,824
Mautuma Ward	None	16.3	8.3	53.1	2.7	6.7	0.2	2.0	10.7	448
Mautuma Ward	Primary	12.7	11.6	51.4	1.1	5.4	10.2	0.4	7.1	5,399
Mautuma Ward	Secondary+	17.2	11.7	46.5	0.9	4.1	14.5	0.3	5.0	2,977
Lugari Ward	Total	12.7	8.4	53.5	1.2	4.8	13.2	0.3	5.8	11,164
Lugari Ward	None	14.2	6.8	63.1	2.5	4.3	0.2	1.8	7.0	555
Lugari Ward	Primary	11.6	8.4	55.1	1.1	5.4	12.2	0.3	5.9	6,872
Lugari Ward	Secondary+	14.5	8.5	49.2	1.3	3.9	17.1	0.2	5.4	3,737
Lumakanda Ward	Total	18.5	17.6	32.7	1.7	5.4	13.3	0.5	10.2	11,112
Lumakanda Ward	None	17.0	17.5	38.7	3.7	8.3	1.2	2.2	11.4	599
Lumakanda Ward	Primary	15.2	18.3	36.6	1.2	5.5	12.2	0.6	10.5	6,183
Lumakanda Ward	Secondary+	23.6	16.5	26.4	2.2	4.8	16.6	0.3	9.6	4,330
Chekalini Ward	Total	17.7	11.8	40.0	1.3	4.5	14.6	0.3	9.9	6,892
Chekalini Ward	None	22.8	14.2	38.0	4.2	8.3	0.6	2.1	9.8	337
Chekalini Ward	Primary	16.2	11.9	44.6	0.9	4.9	12.8	0.2	8.4	3,614
Chekalini Ward	Secondary+	18.9	11.4	34.6	1.4	3.6	18.4	0.1	11.6	2,941
Chevaywa Ward	Total	14.5	9.6	53.5	1.0	4.4	10.6	0.7	5.5	11,839
Chevaywa Ward	None	12.8	9.4	59.3	3.7	5.7	0.3	3.6	5.2	616
Chevaywa Ward	Primary	12.9	9.5	55.8	0.8	4.9	10.4	0.5	5.3	7,643
Chevaywa Ward	Secondary+	18.2	9.9	47.8	1.1	3.2	12.8	0.8	6.2	3,580
Luandeti Ward	Total	12.2	12.8	56.8	1.1	2.2	10.2	0.5	4.2	9,602
Luandeti Ward	None	19.3	14.0	49.7	3.5	3.8	1.2	2.9	5.6	342
Luandeti Ward	Primary	9.9	12.6	60.5	1.0	2.2	9.4	0.4	3.9	5,908
Luandeti Ward	Secondary+	15.6	12.9	50.9	1.0	2.1	12.6	0.4	4.5	3,352
Likuyani Constituency	Total	19.6	11.0	35.0	1.5	9.2	11.9	0.5	11.2	43,227
Likuyani Constituency	None	23.0	7.3	39.4	2.7	10.7	0.4	2.4	14.2	2,730

Likuyani Constituency	Primary	18.5	10.8	36.5	1.3	10.2	11.1	0.4	11.2	24,707
Likuyani Constituency	Secondary+	20.8	12.1	31.9	1.7	7.4	15.2	0.3	10.7	15,790
Likuyani Ward	Total	22.2	11.3	30.3	1.0	13.1	11.0	0.6	10.5	9,722
Likuyani Ward	None	25.2	6.6	33.5	1.4	18.4	0.3	2.9	11.8	663
Likuyani Ward	Primary	21.0	10.4	31.8	0.7	14.1	10.8	0.5	10.7	5,533
Likuyani Ward	Secondary+	23.4	13.4	27.4	1.2	10.7	13.4	0.4	10.0	3,526
Sango Ward	Total	14.3	8.2	44.5	1.0	10.2	13.0	0.5	8.2	7,788
Sango Ward	None	18.0	6.0	46.3	2.7	9.8	0.2	2.2	14.9	551
Sango Ward	Primary	12.7	8.0	46.5	0.8	11.1	12.5	0.5	8.0	4,814
Sango Ward	Secondary+	16.6	9.2	40.0	1.1	8.6	17.0	0.2	7.2	2,423
Kongoni Ward	Total	17.5	9.5	36.2	2.3	7.3	12.6	0.4	14.3	8,203
Kongoni Ward	None	17.3	7.1	41.3	4.0	7.9	0.5	1.7	20.2	579
Kongoni Ward	Primary	16.0	9.3	37.2	2.3	8.1	11.9	0.3	14.9	4,525
Kongoni Ward	Secondary+	19.7	10.3	33.7	2.0	6.0	15.8	0.4	12.2	3,099
Nzoia Ward	Total	20.4	12.9	30.2	2.0	9.0	12.4	0.4	12.7	10,372
Nzoia Ward	None	25.3	7.3	37.5	3.4	9.4	0.2	2.1	14.8	467
Nzoia Ward	Primary	18.9	12.6	32.0	1.7	10.4	10.8	0.4	13.3	5,739
Nzoia Ward	Secondary+	22.1	14.0	26.8	2.3	7.0	15.9	0.1	11.8	4,166
Sinoko Ward	Total	23.3	12.8	36.8	1.1	5.1	10.6	0.6	9.7	7,142
Sinoko Ward	None	30.6	9.8	39.4	2.6	5.3	0.6	3.0	8.7	470
Sinoko Ward	Primary	24.0	13.7	36.7	0.7	5.8	9.7	0.4	8.9	4,096
Sinoko Ward	Secondary+	20.7	12.0	36.5	1.4	3.9	13.9	0.5	11.1	2,576
Malava Constituency	Total	18.7	10.8	48.4	1.5	3.3	13.1	0.5	3.8	75,805
Malava Constituency	None	20.8	9.5	55.6	2.8	4.5	0.8	2.2	3.8	4,526
Malava Constituency	Primary	17.2	10.8	50.6	1.4	3.4	12.7	0.4	3.5	46,487
Malava Constituency	Secondary+	21.2	11.0	42.8	1.5	2.9	16.0	0.3	4.3	24,792
West Kabras Ward	Total	19.5	5.6	59.0	0.7	4.4	9.3	0.4	1.2	9,455
West Kabras Ward	None	29.2	6.3	52.6	2.2	6.6	0.1	1.7	1.2	725
West Kabras Ward	Primary	18.6	5.3	60.8	0.4	4.4	9.2	0.3	1.1	6,193
West Kabras Ward	Secondary+	18.9	6.2	56.3	0.9	3.8	12.1	0.3	1.4	2,537
Chemuche Ward	Total	19.2	13.9	42.8	1.0	3.9	14.1	0.2	5.0	11,058
Chemuche Ward	None	16.6	14.6	51.7	2.5	5.5	1.8	1.4	5.7	487
Chemuche Ward	Primary	16.6	14.3	46.2	0.8	4.2	13.2	0.1	4.7	6,395

Chemuche Ward	Secondary+	23.4	13.4	36.5	1.1	3.1	16.8	0.2	5.5	4,176
East Kabras Ward	Total	21.8	8.0	53.8	0.7	1.0	10.8	0.4	3.5	8,371
East Kabras Ward	None	21.7	5.8	61.9	2.5	2.3	0.8	2.1	2.7	515
East Kabras Ward	Primary	20.7	8.3	55.0	0.5	0.9	10.9	0.4	3.3	5,372
East Kabras Ward	Secondary+	24.1	7.9	49.4	0.8	1.1	12.6	0.2	3.9	2,484
Butali/Chegulo Ward	Total	15.4	13.3	45.6	1.6	3.0	17.1	0.5	3.5	12,007
Butali/Chegulo Ward	None	14.1	12.1	60.1	2.0	4.7	2.0	2.2	2.7	594
Butali/Chegulo Ward	Primary	13.5	13.3	47.5	1.6	3.0	17.0	0.5	3.6	6,884
Butali/Chegulo Ward	Secondary+	18.3	13.5	40.7	1.5	2.8	19.4	0.2	3.6	4,529
Manda/Shivanga Ward	Total	15.9	10.6	53.3	0.8	0.7	15.2	0.6	2.8	11,328
Manda/Shivanga Ward	None	17.2	8.9	64.3	2.3	0.6	0.5	2.2	3.9	639
Manda/Shivanga Ward	Primary	14.3	11.5	54.9	0.6	0.7	14.8	0.7	2.5	7,027
Manda/Shivanga Ward	Secondary+	18.6	9.3	48.4	1.0	0.8	18.7	0.3	3.0	3,662
Shirugu/Mugai Ward	Total	15.8	13.5	49.0	0.7	5.0	13.2	0.3	2.4	8,934
Shirugu/Mugai Ward	None	18.6	13.5	51.9	2.1	8.1	0.6	2.6	2.6	468
Shirugu/Mugai Ward	Primary	13.8	13.3	52.5	0.4	5.2	12.7	0.2	1.9	5,358
Shirugu/Mugai Ward	Secondary+	18.8	14.0	42.6	0.8	4.1	16.1	0.3	3.3	3,108
South Kabras Ward	Total	22.8	9.7	40.8	3.8	4.8	10.9	0.7	6.5	14,652
South Kabras Ward	None	23.2	8.4	50.3	4.4	4.4	0.5	2.9	6.0	1,098
South Kabras Ward	Primary	21.4	9.8	42.4	3.9	5.1	10.9	0.6	6.1	9,258
South Kabras Ward	Secondary+	25.8	9.9	34.7	3.4	4.3	13.7	0.5	7.6	4,296
Lurambi Constituency	Total	30.9	15.3	29.5	1.2	4.1	12.3	0.4	6.3	64,242
Lurambi Constituency	None	29.5	13.4	42.2	1.9	4.0	0.8	1.6	6.5	4,125
Lurambi Constituency	Primary	26.4	15.3	37.5	0.9	4.4	9.2	0.4	5.8	31,016
Lurambi Constituency	Secondary+	35.8	15.5	19.2	1.5	3.8	17.2	0.2	6.8	29,101
Butsotso East Ward	Total	24.2	11.1	52.4	0.6	0.5	8.4	0.3	2.4	8,886
Butsotso East Ward	None	30.5	7.4	58.2	0.5	0.4	0.5	1.1	1.3	742
Butsotso East Ward	Primary	22.5	11.4	54.9	0.4	0.5	7.5	0.2	2.5	5,799
Butsotso East Ward	Secondary+	26.5	11.3	44.5	1.2	0.5	13.1	0.3	2.6	2,345
South Butsotso Ward	Total	13.9	6.9	60.5	0.7	1.0	14.5	1.0	1.6	6,115
South Butsotso Ward	None	15.5	6.9	71.9	1.1	0.6	0.6	1.7	1.7	466
South Butsotso Ward	Primary	12.5	6.6	63.0	0.5	1.0	13.9	1.0	1.5	3,773
South Butsotso Ward	Secondary+	16.5	7.5	52.7	0.8	1.0	19.1	0.7	1.7	1,876

Central Butsotso Ward	Total	23.4	13.3	48.4	0.6	4.0	8.2	0.5	1.5	9,777
Central Butsotso Ward	None	25.3	12.6	54.1	1.1	3.5	0.2	1.9	1.4	851
Central Butsotso Ward	Primary	22.8	14.2	49.4	0.5	3.7	7.8	0.5	1.2	5,748
Central Butsotso Ward	Secondary+	24.1	12.1	45.0	0.8	4.6	11.1	0.1	2.1	3,178
Shieywe Ward	Total	37.2	20.7	10.7	1.6	5.0	14.2	0.2	10.3	21,644
Shieywe Ward	None	36.3	20.3	16.6	2.9	6.1	1.2	1.5	15.2	1,012
Shieywe Ward	Primary	34.6	23.1	14.3	1.5	6.6	8.2	0.3	11.4	8,308
Shieywe Ward	Secondary+	39.1	19.2	7.9	1.6	3.8	19.3	0.1	9.0	12,324
Mahiakalo Ward	Total	39.2	11.4	24.2	1.1	4.1	13.3	0.5	6.2	4,784
Mahiakalo Ward	None	38.8	5.4	35.1	1.7	5.4	2.1	4.1	7.4	242
Mahiakalo Ward	Primary	35.2	11.1	32.6	0.7	4.4	9.3	0.5	6.2	2,206
Mahiakalo Ward	Secondary+	43.0	12.2	15.2	1.4	3.7	18.3	0.1	6.1	2,336
Shirere Ward	Total	35.3	15.9	18.1	1.8	6.8	13.5	0.4	8.1	13,036
Shirere Ward	None	29.9	17.1	32.3	3.6	6.8	1.0	1.0	8.4	812
Shirere Ward	Primary	28.2	16.7	25.3	1.4	8.7	10.9	0.4	8.4	5,182
Shirere Ward	Secondary+	41.1	15.2	11.2	1.9	5.5	16.9	0.3	7.9	7,042
Navakholo Constituency	Total	12.1	7.6	64.9	0.7	3.5	8.5	0.5	2.2	45,889
Navakholo Constituency	None	12.6	7.6	70.3	1.6	3.7	0.3	1.4	2.5	3,749
Navakholo Constituency	Primary	10.8	7.2	66.8	0.5	3.7	8.4	0.4	2.0	29,648
Navakholo Constituency	Secondary+	15.1	8.4	58.7	1.0	2.9	11.1	0.4	2.4	12,492
Ingotsse-Matiha Ward	Total	14.2	7.4	63.3	0.8	1.2	9.8	0.6	2.8	8,173
Ingotsse-Matiha Ward	None	15.0	6.4	71.2	1.3	1.5	0.3	1.3	3.0	1,092
Ingotsse-Matiha Ward	Primary	12.6	6.9	65.8	0.7	1.1	9.7	0.5	2.7	5,215
Ingotsse-Matiha Ward	Secondary+	18.2	9.3	51.6	0.9	1.2	15.5	0.6	2.8	1,866
Shinoyi-Shikomari-Esumeiya Ward	Total	11.6	8.2	69.6	0.4	0.4	7.8	0.5	1.5	9,012
Shinoyi-Shikomari-Esumeiya Ward	None	11.0	8.2	77.7	0.7	0.2	0.1	0.9	1.1	803
Shinoyi-Shikomari-Esumeiya Ward	Primary	10.6	7.9	71.5	0.2	0.4	7.6	0.5	1.3	5,887
Shinoyi-Shikomari-Esumeiya Ward	Secondary+	14.3	9.0	61.9	0.8	0.3	10.9	0.6	2.2	2,322
Bunyala West Ward	Total	10.1	6.1	70.2	0.7	3.9	6.9	0.4	1.8	11,863
Bunyala West Ward	None	8.0	3.7	77.4	1.3	5.9	0.1	1.2	2.4	761
Bunyala West Ward	Primary	8.7	5.6	72.5	0.4	3.8	6.8	0.4	1.7	7,817
Bunyala West Ward	Secondary+	13.8	7.6	62.9	1.1	3.7	8.6	0.3	2.0	3,285
Bunyala East Ward	Total	11.8	9.3	65.4	0.8	0.5	10.5	0.3	1.4	7,820

Bunyala East Ward	None	17.7	10.4	64.2	2.4	0.2	1.0	1.6	2.6	509
Bunyala East Ward	Primary	10.1	8.9	68.6	0.5	0.4	10.1	0.2	1.1	4,883
Bunyala East Ward	Secondary+	14.0	9.8	59.2	0.9	0.9	13.3	0.1	1.8	2,428
Bunyala Central Ward	Total	13.9	7.6	54.3	0.9	10.9	8.2	0.7	3.5	9,021
Bunyala Central Ward	None	11.8	11.5	54.1	2.9	13.0	0.2	2.7	3.8	584
Bunyala Central Ward	Primary	13.1	7.5	54.0	0.7	12.2	8.5	0.6	3.6	5,846
Bunyala Central Ward	Secondary+	16.2	7.0	55.2	1.0	7.6	9.3	0.3	3.3	2,591
Mumias West Constituency	Total	25.9	10.2	32.8	1.4	8.3	14.5	0.4	6.3	40,953
Mumias West Constituency	None	20.2	8.7	49.3	2.0	10.3	0.4	1.5	7.7	4,072
Mumias West Constituency	Primary	20.5	9.9	39.5	1.5	8.7	13.5	0.4	6.0	22,317
Mumias West Constituency	Secondary+	35.9	11.2	17.8	1.2	7.2	20.0	0.2	6.5	14,564
Mumias Central Ward	Total	32.5	15.1	18.7	1.1	10.1	12.8	0.3	9.4	14,214
Mumias Central Ward	None	29.7	12.0	31.6	1.6	12.6	0.6	1.0	11.0	1,352
Mumias Central Ward	Primary	27.8	14.8	22.2	1.1	11.3	13.0	0.2	9.7	7,290
Mumias Central Ward	Secondary+	39.5	16.3	11.1	1.0	7.8	15.5	0.2	8.7	5,572
Mumias North Ward	Total	45.1	9.5	9.2	1.2	11.3	17.1	0.2	6.3	7,197
Mumias North Ward	None	30.3	11.7	15.5	2.8	22.3	0.3	0.8	16.3	386
Mumias North Ward	Primary	38.0	11.3	15.2	1.6	14.8	12.0	0.3	6.8	2,376
Mumias North Ward	Secondary+	50.3	8.4	5.4	0.8	8.5	21.4	0.0	5.2	4,435
Etenje Ward	Total	13.1	6.5	51.8	2.8	5.0	15.8	0.6	4.4	9,312
Etenje Ward	None	13.1	5.9	66.8	3.5	5.2	0.3	1.6	3.7	1,137
Etenje Ward	Primary	12.4	6.2	54.2	2.5	5.1	14.9	0.4	4.3	6,100
Etenje Ward	Secondary+	15.1	7.7	36.6	3.2	4.5	27.1	0.5	5.3	2,075
Musanda Ward	Total	15.0	7.3	51.6	0.9	6.9	13.9	0.7	3.7	10,230
Musanda Ward	None	12.9	6.6	63.7	0.8	8.8	0.3	2.1	4.8	1,197
Musanda Ward	Primary	13.6	7.3	54.1	0.9	7.0	13.4	0.6	3.1	6,551
Musanda Ward	Secondary+	19.6	7.8	39.2	0.8	5.7	21.6	0.3	5.0	2,482
Mumias East Constituency	Total	20.2	8.8	43.1	1.0	6.9	15.5	0.4	4.0	35,342
Mumias East Constituency	None	20.1	7.9	53.3	1.8	10.8	0.5	1.1	4.5	3,272
Mumias East Constituency	Primary	19.1	9.0	45.6	0.9	7.0	14.2	0.3	3.8	22,006
Mumias East Constituency	Secondary+	22.4	8.6	34.5	1.1	5.6	23.2	0.3	4.4	10,064
Lusheya/Lubinu Ward	Total	19.5	9.9	39.1	1.2	8.0	15.0	0.3	6.9	13,361
Lusheya/Lubinu Ward	None	19.2	8.6	49.6	1.9	12.2	0.4	0.9	7.0	1,388

Lusheya/Lubinu Ward	Primary	17.9	10.1	41.7	1.1	8.1	14.0	0.2	6.7	8,475
Lusheya/Lubinu Ward	Secondary+	23.5	9.9	28.7	1.0	6.1	23.2	0.3	7.3	3,498
Malahal/Isono/ Makunga Ward	Total	18.0	9.9	44.5	0.8	6.2	17.7	0.4	2.7	10,566
Malahal/Isono/ Makunga Ward	None	21.6	9.1	52.7	1.4	10.2	0.4	0.9	3.7	931
Malahal/Isono/ Makunga Ward	Primary	17.2	10.1	47.1	0.6	6.1	16.3	0.4	2.2	6,627
Malahal/Isono/ Makunga Ward	Secondary+	18.5	9.5	36.2	1.1	5.3	26.0	0.2	3.3	3,008
East Wanga Ward	Total	22.9	6.5	46.6	1.1	6.3	14.2	0.5	2.0	11,415
East Wanga Ward	None	19.9	5.6	59.1	2.1	9.3	0.6	1.7	1.7	953
East Wanga Ward	Primary	22.5	6.6	49.0	0.8	6.4	12.6	0.4	1.8	6,904
East Wanga Ward	Secondary+	24.5	6.4	38.7	1.3	5.3	20.9	0.3	2.5	3,558
Matungu Constituency	Total	18.0	9.1	41.8	0.9	7.3	16.0	0.6	6.3	49,837
Matungu Constituency	None	17.1	8.8	54.8	1.4	9.1	0.4	1.9	6.5	5,691
Matungu Constituency	Primary	17.1	9.1	43.2	0.7	7.4	16.0	0.4	6.1	32,619
Matungu Constituency	Secondary+	21.3	9.2	31.4	1.1	5.9	23.5	0.4	7.1	11,527
Koyonzo Ward	Total	20.4	9.1	38.5	1.0	7.3	14.1	0.6	9.0	11,803
Koyonzo Ward	None	19.2	8.4	47.7	2.4	9.6	0.4	1.8	10.6	1,410
Koyonzo Ward	Primary	19.7	9.1	40.1	0.8	7.2	13.5	0.4	9.2	7,964
Koyonzo Ward	Secondary+	23.6	9.3	28.0	0.9	6.3	24.0	0.4	7.6	2,429
Kholera Ward	Total	17.2	11.9	39.8	0.8	9.3	15.1	0.7	5.2	9,676
Kholera Ward	None	16.9	10.6	53.4	0.6	9.6	0.3	2.1	6.4	987
Kholera Ward	Primary	16.1	11.8	41.0	0.6	9.3	15.6	0.5	5.0	6,218
Kholera Ward	Secondary+	19.9	12.7	31.3	1.3	9.2	20.0	0.3	5.2	2,471
Khalaba Ward	Total	11.8	11.0	55.7	0.5	1.0	16.9	0.4	2.8	6,578
Khalaba Ward	None	9.4	14.5	69.9	1.2	0.8	0.3	1.7	2.2	595
Khalaba Ward	Primary	11.6	10.9	56.1	0.3	1.0	18.0	0.2	1.9	4,624
Khalaba Ward	Secondary+	13.3	10.0	48.1	0.6	1.0	20.5	0.5	6.0	1,359
Mayoni Ward	Total	22.5	7.6	41.3	1.0	6.9	14.7	0.5	5.5	10,865
Mayoni Ward	None	20.4	6.4	58.6	1.4	7.6	0.1	1.6	3.8	1,409
Mayoni Ward	Primary	20.4	7.8	43.9	0.8	7.6	14.3	0.4	4.8	6,676
Mayoni Ward	Secondary+	28.4	7.9	26.2	1.5	4.9	22.8	0.3	8.0	2,780
Namamali Ward	Total	15.6	7.0	39.4	0.8	9.5	19.5	0.8	7.5	10,915
Namamali Ward	None	14.8	8.0	52.4	1.0	13.7	0.7	2.2	7.1	1,290
Namamali Ward	Primary	15.3	6.9	39.7	0.6	9.9	19.6	0.7	7.4	7,137

Namamali Ward	Secondary+	17.0	6.8	31.8	1.0	6.1	28.8	0.4	8.1	2,488
Butere Constituency	Total	15.2	10.5	47.9	1.2	6.9	12.6	0.5	5.1	47,989
Butere Constituency	None	14.0	10.5	56.3	1.8	9.5	0.5	1.8	5.5	4,907
Butere Constituency	Primary	13.2	10.5	50.8	1.0	7.0	12.3	0.4	4.8	30,635
Butere Constituency	Secondary+	20.7	10.6	37.4	1.5	5.6	18.3	0.3	5.7	12,447
Marama West Ward	Total	14.4	11.8	51.2	2.0	2.9	14.3	0.4	3.0	11,215
Marama West Ward	None	12.7	16.8	57.7	3.4	3.9	0.8	1.8	3.0	1,002
Marama West Ward	Primary	13.0	10.8	54.3	1.8	2.9	14.1	0.3	2.8	7,248
Marama West Ward	Secondary+	18.6	12.6	41.4	2.0	2.5	19.5	0.1	3.4	2,965
Marama Central Ward	Total	18.5	10.1	42.3	0.9	7.5	14.2	0.4	5.9	15,771
Marama Central Ward	None	18.5	9.9	51.2	1.3	11.3	0.4	1.7	5.8	1,745
Marama Central Ward	Primary	15.6	10.3	46.2	0.8	7.6	13.8	0.3	5.5	9,733
Marama Central Ward	Secondary+	25.2	9.9	29.8	1.1	6.0	20.8	0.2	6.8	4,293
Marenyo/Shianda Ward	Total	14.5	7.4	49.9	1.4	8.8	11.4	0.6	6.0	7,368
Marenyo/Shianda Ward	None	11.8	6.4	58.2	1.9	11.7	0.3	1.9	7.8	780
Marenyo/Shianda Ward	Primary	12.8	7.2	52.2	1.1	9.2	11.7	0.4	5.4	4,895
Marenyo/Shianda Ward	Secondary+	20.5	8.4	39.6	2.1	6.1	15.7	0.6	7.0	1,693
Marama North Ward	Total	11.5	16.1	40.9	0.6	11.6	11.0	0.8	7.5	7,380
Marama North Ward	None	10.5	13.1	50.1	0.7	14.2	0.4	2.1	8.8	724
Marama North Ward	Primary	9.7	17.7	41.3	0.5	11.8	10.6	0.8	7.6	4,665
Marama North Ward	Secondary+	16.1	13.4	36.6	0.6	10.2	15.8	0.4	6.9	1,991
Marama South Ward	Total	13.5	6.1	61.9	1.3	4.5	9.0	0.5	3.1	6,255
Marama South Ward	None	10.8	4.9	72.3	2.0	5.6	0.6	1.5	2.3	656
Marama South Ward	Primary	12.2	6.0	64.8	1.0	4.5	8.0	0.5	3.0	4,094
Marama South Ward	Secondary+	18.1	7.2	49.5	2.0	3.9	15.1	0.3	3.9	1,505
Khwisero Constituency	Total	14.8	10.7	46.7	1.6	7.2	12.4	0.8	5.8	32,054
Khwisero Constituency	None	14.2	10.1	56.0	2.6	7.9	0.2	2.3	6.7	3,181
Khwisero Constituency	Primary	12.6	11.0	49.7	1.3	7.4	11.6	0.7	5.6	20,583
Khwisero Constituency	Secondary+	20.5	10.0	35.6	1.9	6.3	19.1	0.6	6.0	8,290
Kisa North Ward	Total	12.7	10.2	50.4	2.9	4.1	15.8	0.6	3.2	6,375
Kisa North Ward	None	9.0	13.5	59.7	3.8	7.7	0.3	2.5	3.3	598
Kisa North Ward	Primary	11.2	10.2	55.0	2.6	4.2	13.1	0.5	3.2	3,957
Kisa North Ward	Secondary+	17.2	9.2	37.4	3.2	2.7	26.6	0.3	3.3	1,820

Kisa East Ward	Total	13.4	10.1	45.1	0.9	9.3	13.0	0.9	7.3	6,022
Kisa East Ward	None	12.2	9.7	53.4	1.1	10.2	0.5	2.5	10.4	566
Kisa East Ward	Primary	11.4	10.3	47.5	0.7	10.1	12.2	0.9	6.8	3,877
Kisa East Ward	Secondary+	18.7	9.7	36.5	1.1	6.9	19.3	0.5	7.3	1,579
Kisa West Ward	Total	16.9	9.2	52.0	0.8	6.4	9.8	0.9	4.0	6,404
Kisa West Ward	None	16.8	5.8	65.9	1.4	5.9	0.1	2.2	1.9	730
Kisa West Ward	Primary	15.3	9.8	54.0	0.7	6.2	9.4	0.8	3.9	4,255
Kisa West Ward	Secondary+	21.4	9.5	39.0	0.8	7.4	15.9	0.5	5.4	1,419
Kisa Central Ward	Total	15.4	11.9	42.9	1.7	8.0	11.8	0.9	7.3	13,253
Kisa Central Ward	None	16.1	11.0	49.7	3.5	8.0	0.1	2.2	9.4	1,287
Kisa Central Ward	Primary	12.4	12.4	46.1	1.3	8.2	11.7	0.7	7.1	8,494
Kisa Central Ward	Secondary+	22.6	10.9	32.8	2.0	7.5	16.4	0.8	7.0	3,472
Shinyalu Constituency	Total	18.8	11.3	45.2	1.3	5.2	9.9	0.7	7.6	54,746
Shinyalu Constituency	None	17.7	11.9	50.9	2.0	5.8	0.4	1.9	9.4	5,745
Shinyalu Constituency	Primary	17.1	11.4	47.8	1.0	5.5	9.1	0.6	7.4	33,813
Shinyalu Constituency	Secondary+	22.9	11.0	37.2	1.7	4.3	15.3	0.4	7.3	15,188
Isukha North Ward	Total	24.3	10.5	38.8	1.4	8.5	10.1	0.5	6.0	8,353
Isukha North Ward	None	20.4	10.2	49.4	2.3	7.4	-	1.3	9.0	619
Isukha North Ward	Primary	21.6	11.5	41.5	1.1	9.2	9.0	0.4	5.7	4,977
Isukha North Ward	Secondary+	30.1	8.7	31.6	1.6	7.5	14.3	0.3	5.9	2,757
Murhanda Ward	Total	18.1	8.7	51.4	1.1	2.7	10.2	1.5	6.2	9,996
Murhanda Ward	None	18.3	9.4	56.9	1.6	3.3	0.6	2.7	7.2	1,094
Murhanda Ward	Primary	17.7	8.2	53.6	0.8	2.7	9.5	1.4	6.3	6,453
Murhanda Ward	Secondary+	19.4	9.7	43.3	1.7	2.4	16.5	1.3	5.7	2,449
Isukha Central Ward	Total	19.9	14.7	38.4	1.2	7.0	10.8	0.6	7.4	11,509
Isukha Central Ward	None	17.2	16.8	40.7	1.9	8.6	0.3	1.5	13.0	1,372
Isukha Central Ward	Primary	18.6	14.7	40.7	0.9	7.3	10.9	0.5	6.2	6,987
Isukha Central Ward	Secondary+	24.0	13.7	32.3	1.5	5.5	15.1	0.3	7.6	3,150
Isukha South Ward	Total	18.4	11.6	45.1	1.0	4.0	9.6	0.6	9.7	12,029
Isukha South Ward	None	16.1	11.9	53.1	1.9	3.5	0.5	2.1	11.0	1,331
Isukha South Ward	Primary	16.3	11.5	48.5	0.8	4.6	7.9	0.5	10.0	7,243
Isukha South Ward	Secondary+	23.6	11.6	34.8	1.3	2.9	16.8	0.3	8.7	3,455
Isukha East Ward	Total	14.8	9.7	51.2	2.4	4.9	8.0	0.3	8.5	6,147

Isukha East Ward	None	19.0	9.9	51.8	4.0	6.2	0.5	1.0	7.5	625
Isukha East Ward	Primary	13.4	9.5	53.5	2.0	5.3	7.1	0.1	9.1	4,127
Isukha East Ward	Secondary+	16.9	10.5	44.3	3.2	3.3	14.3	0.3	7.2	1,395
Isukha West Ward	Total	15.1	11.8	49.9	1.0	4.3	10.1	0.5	7.2	6,712
Isukha West Ward	None	17.3	9.8	57.4	1.4	6.8	0.1	2.1	5.0	704
Isukha West Ward	Primary	13.1	12.7	51.4	0.6	4.5	10.1	0.5	7.1	4,026
Isukha West Ward	Secondary+	18.4	10.6	44.2	1.6	3.0	13.8	0.1	8.3	1,982
Ikolomani Constituency	Total	18.9	8.9	39.1	1.1	12.0	10.5	0.7	8.8	33,318
Ikolomani Constituency	None	19.4	8.9	45.7	1.2	12.5	0.2	2.2	9.8	3,892
Ikolomani Constituency	Primary	17.9	8.7	40.2	1.0	12.5	9.9	0.6	9.2	20,085
Ikolomani Constituency	Secondary+	20.9	9.2	33.9	1.2	10.9	16.0	0.4	7.4	9,341
Idakho South Ward	Total	16.0	7.5	29.0	1.3	18.1	11.9	0.8	15.3	5,883
Idakho South Ward	None	15.4	5.2	36.5	1.2	22.6	0.4	3.5	15.1	734
Idakho South Ward	Primary	14.3	7.5	30.5	1.4	18.6	11.2	0.5	15.9	3,609
Idakho South Ward	Secondary+	20.3	8.6	21.9	1.2	14.7	19.0	0.5	13.9	1,540
Idakho East Ward	Total	18.5	9.3	45.6	1.4	4.5	11.9	0.7	8.1	8,338
Idakho East Ward	None	19.8	10.0	50.7	1.1	6.4	0.5	1.8	9.6	872
Idakho East Ward	Primary	17.3	8.5	48.3	1.2	4.4	11.3	0.7	8.3	4,760
Idakho East Ward	Secondary+	20.2	10.4	39.4	1.7	4.2	16.5	0.4	7.3	2,706
Idakho North Ward	Total	21.6	9.3	41.6	0.7	19.0	4.4	0.7	2.7	8,939
Idakho North Ward	None	24.0	12.1	44.3	1.0	14.0	0.1	1.9	2.7	1,016
Idakho North Ward	Primary	20.9	8.9	43.1	0.5	19.4	3.8	0.6	2.8	5,605
Idakho North Ward	Secondary+	22.0	9.1	37.0	0.9	20.2	7.9	0.4	2.5	2,318
Idakho Central Ward	Total	18.7	9.0	37.3	1.0	8.6	13.8	0.7	10.9	10,158
Idakho Central Ward	None	17.7	7.7	48.8	1.3	9.8	0.1	2.0	12.6	1,270
Idakho Central Ward	Primary	17.8	9.4	37.0	0.9	8.8	13.6	0.6	11.8	6,111
Idakho Central Ward	Secondary+	21.1	8.6	32.7	1.2	7.5	20.5	0.3	8.2	2,777

Table 11.5: Employment and Education Levels in Female Headed Households by County, Constituency and Wards

County, Constituen- cy and Wards	Education Level reached	Work for Pay	Family Business	Family Agricultural holding	Internal/ Volunteer	Retired/ Homemaker	Fulltime Student	Incapaci- tated	No work	Popula- tion (15-64)
Kenya National	Total	18.87	11.91	32.74	1.20	9.85	16.66	0.69	8.08	5,518,645
Kenya National	None	10.34	13.04	44.55	1.90	16.45	0.80	1.76	11.17	974,824

Kenya National	Primary	16.74	11.75	37.10	0.89	9.82	16.23	0.59	6.89	2,589,877
Kenya National	Secondary+	25.95	11.57	21.07	1.27	6.59	25.16	0.28	8.11	1,953,944
Rural Rural	Total	31.53	15.66	12.80	1.54	9.33	16.99	0.54	11.60	1,781,078
Rural Rural	None	8.36	12.26	50.31	1.60	15.77	0.59	1.67	9.44	794,993
Rural Rural	Primary	13.02	9.90	43.79	0.81	9.49	17.03	0.60	5.36	1,924,111
Rural Rural	Secondary+	15.97	8.87	33.03	1.06	6.80	27.95	0.34	5.98	1,018,463
Urban Urban	Total	12.83	10.12	42.24	1.04	10.09	16.51	0.76	6.40	3,737,567
Urban Urban	None	19.09	16.50	19.04	3.22	19.45	1.70	2.18	18.83	179,831
Urban Urban	Primary	27.49	17.07	17.79	1.13	10.76	13.93	0.55	11.29	665,766
Urban Urban	Secondary+	36.81	14.50	8.06	1.51	6.36	22.11	0.22	10.43	935,481
Kakamega	Total	13.2	9.5	43.6	1.3	6.8	18.1	.8	6.7	233001
Kakamega	None	13.4	9.8	54.3	2.4	9.5	.7	2.7	7.3	26904
Kakamega	Primary	11.6	9.4	46.4	1.0	7.0	17.7	.7	6.1	129713
Kakamega	Secondary+	15.9	9.5	35.0	1.4	5.6	24.9	.4	7.3	76384
Lugari Constituency	Total	10.7	10.7	47.0	1.3	4.5	17.2	.7	8.0	22353
Lugari Constituency	None	12.2	10.8	52.0	2.4	7.3	1.0	3.3	11.1	1634
Lugari Constituency	Primary	9.2	10.9	49.6	.9	4.5	16.8	.6	7.4	12380
Lugari Constituency	Secondary+	12.6	10.4	42.1	1.5	3.8	21.0	.3	8.3	8339
Mautuma Ward	Total	9.0	8.8	51.5	1.0	5.9	17.2	.7	6.0	3327
Mautuma Ward	None	14.8	6.1	51.5	1.7	11.4	.4	3.9	10.0	229
Mautuma Ward	Primary	8.4	9.3	52.7	.8	5.9	16.8	.7	5.5	1928
Mautuma Ward	Secondary+	9.0	8.5	49.3	1.3	4.9	21.2	.1	5.8	1170
Lugari Ward	Total	9.2	6.3	54.1	.8	4.6	18.2	.4	6.3	4096
Lugari Ward	None	10.8	5.2	64.3	1.6	5.9	0.0	2.6	9.5	305
Lugari Ward	Primary	8.8	5.8	55.6	.8	4.8	17.4	.3	6.4	2370
Lugari Ward	Secondary+	9.6	7.5	49.3	.6	4.1	23.3	.1	5.6	1421
Lumakanda Ward	Total	13.7	16.2	32.6	1.4	5.1	18.6	.7	11.6	4432
Lumakanda Ward	None	13.1	19.0	40.0	3.0	7.5	1.0	4.6	11.8	305
Lumakanda Ward	Primary	10.8	17.9	34.5	.9	5.5	17.6	.6	12.1	2322
Lumakanda Ward	Secondary+	17.6	13.7	28.9	1.7	4.1	22.9	.2	11.0	1805
Chekalini Ward	Total	13.1	10.9	37.9	1.6	4.6	19.3	.5	12.1	2944
Chekalini Ward	None	13.4	12.1	34.8	2.4	8.1	1.6	2.8	24.7	247
Chekalini Ward	Primary	12.5	11.9	40.5	1.2	4.3	19.7	.5	9.3	1453
Chekalini Ward	Secondary+	13.7	9.6	35.4	1.9	4.2	22.3	0.0	12.9	1244
Chevaywa Ward	Total	10.6	8.6	52.1	1.0	4.1	15.8	1.2	6.7	3940
Chevaywa Ward	None	9.4	9.4	62.3	1.5	7.6	1.5	3.6	4.6	329
Chevaywa Ward	Primary	8.4	8.5	54.6	.7	4.1	16.6	1.0	6.2	2283
Chevaywa Ward	Secondary+	14.8	8.4	45.2	1.5	3.2	17.9	1.0	8.0	1328
Luandeti Ward	Total	8.1	12.7	54.3	1.7	2.6	14.4	.6	5.6	3614
Luandeti Ward	None	12.8	12.3	55.7	4.6	3.2	1.8	1.8	7.8	219
Luandeti Ward	Primary	7.0	12.4	57.7	1.3	2.5	13.5	.4	5.2	2024
Luandeti Ward	Secondary+	9.0	13.2	49.0	1.9	2.6	17.8	.6	5.9	1371
Likuyani Constituency	Total	13.4	9.1	35.1	1.3	9.9	17.7	.8	12.8	18211
Likuyani Constituency	None	17.0	8.3	41.7	1.3	13.1	.6	3.4	14.6	1573
Likuyani Constituency	Primary	13.2	8.5	36.5	1.3	10.3	16.2	.7	13.2	9897

Likuyani Constituency	Secondary+	12.9	10.1	31.5	1.2	8.4	23.9	.3	11.7	6741
Likuyani Ward	Total	13.0	9.2	33.3	1.0	15.0	16.9	1.3	10.2	3998
Likuyani Ward	None	20.3	7.7	37.7	1.4	17.4	0.0	5.4	10.0	350
Likuyani Ward	Primary	12.6	8.8	33.2	.9	16.5	16.0	1.4	10.6	2147
Likuyani Ward	Secondary+	12.0	10.2	32.3	1.0	12.3	22.2	.3	9.7	1501
Sango Ward	Total	10.6	6.0	44.6	.6	11.4	18.0	.5	8.3	3208
Sango Ward	None	17.6	8.5	45.8	.7	15.6	0.0	2.7	9.2	295
Sango Ward	Primary	10.7	5.0	46.0	.5	11.8	17.4	.3	8.4	1939
Sango Ward	Secondary+	8.3	7.5	41.5	.6	9.4	24.6	.2	7.8	974
Kongoni Ward	Total	13.3	7.9	34.1	1.7	8.6	15.7	.5	18.2	3388
Kongoni Ward	None	11.8	4.1	43.4	1.8	10.3	1.5	1.5	25.7	339
Kongoni Ward	Primary	11.5	7.4	35.6	2.0	8.6	15.4	.6	18.8	1772
Kongoni Ward	Secondary+	16.4	9.6	29.5	1.2	8.2	19.8	.2	15.2	1277
Nzoia Ward	Total	14.0	10.1	28.7	1.9	8.9	20.8	.8	14.7	4624
Nzoia Ward	None	11.6	10.0	41.0	1.2	16.1	.9	4.0	15.2	329
Nzoia Ward	Primary	14.7	9.7	30.7	1.9	8.7	17.4	.6	16.3	2382
Nzoia Ward	Secondary+	13.5	10.7	24.1	2.0	7.9	28.4	.6	12.7	1913
Sinoko Ward	Total	16.1	12.0	38.4	.9	4.1	16.0	.7	11.8	2993
Sinoko Ward	None	25.4	12.3	41.2	1.2	4.2	.8	3.5	11.5	260
Sinoko Ward	Primary	16.8	12.0	38.9	.9	4.8	14.4	.5	11.7	1657
Sinoko Ward	Secondary+	12.9	11.8	36.9	.8	3.2	22.2	.3	11.9	1076
Malava Constituency	Total	12.8	10.1	47.2	1.7	4.0	19.4	.8	4.0	24394
Malava Constituency	None	12.8	10.2	60.4	3.8	5.7	.7	2.7	3.7	2082
Malava Constituency	Primary	11.9	10.2	48.7	1.4	3.7	19.6	.8	3.7	13420
Malava Constituency	Secondary+	14.2	9.9	41.9	1.7	4.0	23.6	.3	4.5	8892
West Kabras Ward	Total	13.4	3.4	61.8	.9	4.8	14.0	.6	1.1	2888
West Kabras Ward	None	16.8	4.9	67.0	2.1	6.4	0.0	1.2	1.5	327
West Kabras Ward	Primary	13.6	3.5	61.5	.7	4.5	14.7	.5	1.0	1685
West Kabras Ward	Secondary+	11.8	2.6	60.6	.8	4.7	17.9	.5	1.1	876
Chemuche Ward	Total	14.9	12.3	39.8	1.4	6.3	19.7	.6	5.0	3730
Chemuche Ward	None	14.8	11.1	52.0	3.3	8.1	.4	4.1	6.3	271
Chemuche Ward	Primary	12.8	12.5	42.9	.9	6.3	19.8	.3	4.4	1875
Chemuche Ward	Secondary+	17.4	12.1	34.1	1.7	6.0	22.9	.3	5.5	1584
East Kabras Ward	Total	15.1	7.9	52.6	1.1	.9	17.1	1.0	4.5	2802
East Kabras Ward	None	13.3	8.0	68.9	1.8	1.8	0.0	2.7	3.6	225
East Kabras Ward	Primary	15.5	8.3	52.1	.7	.6	17.6	1.2	4.0	1605
East Kabras Ward	Secondary+	14.9	7.1	49.6	1.6	1.0	20.1	.2	5.5	972
Butali/Chegulo Ward	Total	11.0	12.5	42.7	2.2	3.4	23.8	.8	3.5	4006
Butali/Chegulo Ward	None	11.8	10.5	60.3	4.9	4.9	1.0	3.8	2.8	287
Butali/Chegulo Ward	Primary	9.6	12.6	43.9	2.0	2.9	24.4	1.1	3.7	2086
Butali/Chegulo Ward	Secondary+	12.7	12.7	38.2	2.0	3.9	27.2	.1	3.4	1633
Manda/Shivanga Ward	Total	9.8	9.4	51.5	1.1	.8	23.3	1.0	3.0	3886
Manda/Shivanga Ward	None	8.7	12.3	64.7	3.6	2.9	1.6	2.3	3.9	309
Manda/Shivanga Ward	Primary	8.7	10.0	53.0	.8	.6	23.3	1.1	2.4	2181
Manda/Shivanga Ward	Secondary+	11.8	7.9	46.1	1.1	.7	27.9	.6	3.9	1396
Shirugu/Mugai Ward	Total	11.6	13.8	45.2	.9	5.5	19.4	.5	3.0	3086
Shirugu/Mugai Ward	None	9.2	18.9	55.0	3.2	9.2	1.2	2.0	1.2	249
Shirugu/Mugai Ward	Primary	9.5	13.8	48.5	.7	5.2	19.1	.6	2.4	1677

Shirugu/Mugai Ward	Secondary+	15.2	12.6	38.4	.8	5.2	23.8	0.0	4.1	1160
South Kabras Ward	Total	14.6	9.8	41.8	3.7	5.8	16.6	.9	6.9	3996
South Kabras Ward	None	14.0	8.2	56.0	6.5	6.0	.5	3.1	5.6	414
South Kabras Ward	Primary	14.5	9.7	42.3	3.4	5.8	16.6	.9	6.8	2311
South Kabras Ward	Secondary+	15.1	10.5	36.1	3.3	5.7	21.7	.2	7.3	1271
Lurambi Constituency	Total	23.8	13.3	30.3	1.7	4.1	19.2	.6	7.1	22663
Lurambi Constituency	None	19.9	14.9	45.9	3.4	3.9	1.2	2.7	8.1	1943
Lurambi Constituency	Primary	19.7	14.0	38.6	1.0	4.4	15.7	.6	6.0	9867
Lurambi Constituency	Secondary+	28.1	12.4	19.9	1.9	3.8	25.6	.3	7.9	10853
Butsotso East Ward	Total	16.8	9.8	57.2	.6	.7	11.8	.6	2.6	2738
Butsotso East Ward	None	18.2	6.3	67.9	1.6	.3	1.3	1.6	2.8	318
Butsotso East Ward	Primary	16.3	9.9	58.4	.4	.8	11.3	.6	2.2	1609
Butsotso East Ward	Secondary+	17.4	10.9	50.7	.5	.5	16.8	.1	3.2	811
South Butsotso Ward	Total	11.2	5.1	57.7	1.3	1.0	21.4	1.0	1.3	2537
South Butsotso Ward	None	12.8	7.0	69.2	4.0	.9	1.3	4.4	.4	227
South Butsotso Ward	Primary	10.7	5.4	59.3	.6	.9	21.2	.7	1.2	1526
South Butsotso Ward	Secondary+	11.5	4.1	51.3	2.0	1.3	27.7	.5	1.7	784
Central Butsotso Ward	Total	17.4	13.5	47.7	.9	4.9	11.8	.9	2.9	3422
Central Butsotso Ward	None	18.1	15.7	54.7	1.1	3.6	.8	3.8	2.2	364
Central Butsotso Ward	Primary	16.6	14.5	49.4	.3	4.2	11.9	.8	2.2	1838
Central Butsotso Ward	Secondary+	18.2	11.3	43.0	1.8	6.4	15.0	.2	4.1	1220
Shiye We Ward	Total	29.3	17.7	11.3	2.0	4.2	23.5	.5	11.6	7062
Shiye We Ward	None	25.1	23.3	21.9	4.6	4.2	2.2	2.8	15.9	502
Shiye We Ward	Primary	26.7	21.6	14.7	1.4	5.6	17.1	.3	12.5	2321
Shiye We Ward	Secondary+	31.1	15.0	8.2	2.0	3.4	29.5	.3	10.5	4239
Mahiakalo Ward	Total	29.6	8.9	26.1	1.7	5.0	21.4	.6	6.6	1749
Mahiakalo Ward	None	19.5	11.0	49.2	3.4	9.3	.8	2.5	4.2	118
Mahiakalo Ward	Primary	25.1	10.1	35.9	1.0	5.9	12.6	.9	8.4	676
Mahiakalo Ward	Secondary+	33.9	7.9	16.3	2.0	3.9	30.3	.1	5.7	955
Shirere Ward	Total	28.4	14.5	18.4	2.4	6.3	20.4	.4	9.1	5155
Shirere Ward	None	20.3	16.2	36.7	5.1	6.8	.2	1.4	13.3	414
Shirere Ward	Primary	22.4	16.1	24.7	2.2	8.5	18.2	.3	7.6	1897
Shirere Ward	Secondary+	33.6	13.2	11.5	2.2	4.9	24.8	.4	9.5	2844
Navakholo Constituency	Total	7.2	5.8	66.0	.7	4.6	12.2	.8	2.7	18296
Navakholo Constituency	None	8.0	7.1	71.2	1.5	6.1	.5	2.8	2.8	2112
Navakholo Constituency	Primary	6.2	5.5	67.4	.5	4.9	12.5	.5	2.6	10846
Navakholo Constituency	Secondary+	8.8	6.0	61.2	.7	3.5	16.2	.5	3.0	5338
Ingotse-Matiha Ward	Total	10.6	6.4	60.3	1.2	1.8	15.5	.9	3.3	2511
Ingotse-Matiha Ward	None	11.7	6.3	70.5	2.1	3.4	.5	2.6	2.9	383
Ingotse-Matiha Ward	Primary	10.3	6.7	61.6	1.0	1.3	15.0	.6	3.5	1410
Ingotse-Matiha Ward	Secondary+	10.7	5.7	52.2	1.3	1.8	24.5	.6	3.2	718
Shinoyi-Shikomari-Esumeiya Ward	Total	6.2	7.4	71.3	.5	.6	11.5	.8	1.7	3131
Shinoyi-Shikomari-Esumeiya Ward	None	5.0	8.2	79.4	2.2	1.5	.7	2.0	1.0	403
Shinoyi-Shikomari-Esumeiya Ward	Primary	5.3	7.0	72.1	.2	.4	12.7	.6	1.8	1783
Shinoyi-Shikomari-Esumeiya Ward	Secondary+	8.4	7.8	66.5	.2	.7	13.8	.7	1.9	945
Bunyala West Ward	Total	4.9	4.4	73.3	.6	4.2	9.7	1.0	2.0	5528

Bunyala West Ward	None	5.5	4.5	74.5	.6	7.4	.2	3.7	3.6	619
Bunyala West Ward	Primary	3.5	4.1	76.6	.5	3.8	9.5	.6	1.5	3320
Bunyala West Ward	Secondary+	7.5	4.9	65.8	.9	3.8	14.0	.6	2.5	1589
Bunyala East Ward	Total	7.7	6.9	66.3	.7	.6	16.1	.3	1.5	2640
Bunyala East Ward	None	12.8	10.5	69.0	1.9	.8	1.2	1.9	1.9	258
Bunyala East Ward	Primary	6.3	6.1	67.5	.5	.7	17.6	.1	1.3	1484
Bunyala East Ward	Secondary+	8.4	7.1	63.5	.7	.4	17.9	.2	1.8	898
Bunyala Central Ward	Total	8.5	5.7	56.4	.6	11.8	11.5	.6	4.8	4486
Bunyala Central Ward	None	8.2	8.2	61.2	1.3	13.8	.4	2.9	3.8	449
Bunyala Central Ward	Primary	7.9	5.4	56.5	.5	12.8	12.0	.4	4.6	2849
Bunyala Central Ward	Secondary+	10.2	5.5	54.5	.4	8.8	14.7	.3	5.6	1188
Mumias West Constituency	Total	15.9	10.3	35.4	1.5	8.1	21.6	.9	6.3	15547
Mumias West Constituency	None	13.4	11.3	52.0	2.2	11.1	.6	2.4	7.0	2381
Mumias West Constituency	Primary	12.8	10.1	40.3	1.2	7.9	21.4	.7	5.5	8020
Mumias West Constituency	Secondary+	21.9	10.3	20.0	1.7	6.9	31.7	.3	7.3	5146
Mumias Central Ward	Total	21.4	15.2	20.8	1.1	9.5	21.8	.7	9.5	5456
Mumias Central Ward	None	17.7	18.9	34.4	1.2	12.4	1.2	2.7	11.4	735
Mumias Central Ward	Primary	18.1	15.4	24.1	.5	10.2	22.6	.6	8.6	2618
Mumias Central Ward	Secondary+	26.7	13.6	12.0	1.8	7.8	28.1	.2	9.9	2103
Mumias North Ward	Total	30.7	12.8	14.1	2.2	12.7	19.9	.3	7.2	1838
Mumias North Ward	None	24.7	17.8	20.5	4.1	22.8	0.0	1.4	8.7	219
Mumias North Ward	Primary	24.3	13.0	19.3	1.9	14.2	19.3	0.0	7.8	667
Mumias North Ward	Secondary+	36.6	11.6	9.0	1.9	9.3	24.9	.2	6.5	952
Etenje Ward	Total	8.3	6.2	48.7	2.4	4.7	24.1	1.1	4.4	3811
Etenje Ward	None	9.8	7.2	64.1	3.4	8.2	.4	2.6	4.4	685
Etenje Ward	Primary	7.4	6.3	50.8	2.3	4.5	23.5	.9	4.3	2170
Etenje Ward	Secondary+	9.5	5.4	32.8	2.0	2.6	42.5	.5	4.6	956
Musanda Ward	Total	9.6	6.8	50.6	.9	7.2	20.0	1.0	3.7	4442
Musanda Ward	None	9.0	5.7	67.5	1.6	9.2	.3	2.2	4.6	742
Musanda Ward	Primary	9.1	7.1	53.5	.7	6.8	19.1	.9	2.8	2565
Musanda Ward	Secondary+	11.1	7.0	33.0	1.1	6.9	35.2	.4	5.3	1135
Mumias East Constituency	Total	13.4	8.1	41.6	1.1	7.5	23.6	.7	4.1	13215
Mumias East Constituency	None	13.9	9.6	55.5	2.0	11.7	.8	2.0	4.5	1975
Mumias East Constituency	Primary	12.7	8.2	43.5	.8	7.0	23.6	.6	3.6	7304
Mumias East Constituency	Secondary+	14.4	7.1	31.2	1.2	6.3	34.9	.3	4.7	3936
Lusheya/Lubinu Ward	Total	13.0	8.1	38.6	1.3	8.7	23.6	.8	5.9	4626
Lusheya/Lubinu Ward	None	13.0	9.1	54.5	2.9	11.0	.6	2.4	6.6	716
Lusheya/Lubinu Ward	Primary	12.5	8.4	39.5	.7	8.6	24.0	.6	5.7	2597
Lusheya/Lubinu Ward	Secondary+	14.0	6.8	28.0	1.5	7.5	35.6	.4	6.2	1313
Malaha/Isongo/Makunga Ward	Total	11.4	9.6	41.8	.8	6.7	25.0	.6	4.0	4183
Malaha/Isongo/Makunga Ward	None	11.3	12.5	54.1	1.0	13.6	1.5	1.0	5.1	610
Malaha/Isongo/Makunga Ward	Primary	10.4	9.9	44.4	.5	5.5	25.4	.6	3.2	2335
Malaha/Isongo/Makunga Ward	Secondary+	13.2	7.8	30.9	1.2	5.6	36.0	.2	5.1	1238
East Wanga Ward	Total	15.7	6.6	44.6	1.2	6.9	22.1	.7	2.2	4406
East Wanga Ward	None	17.3	7.6	57.9	2.0	10.8	.5	2.5	1.5	649

East Wanga Ward	Primary	15.3	6.2	46.8	1.2	6.5	21.5	.6	1.8	2372
East Wanga Ward	Secondary+	15.8	6.8	34.4	.9	5.8	33.2	.1	3.0	1385
Matungu Constituency	Total	11.5	8.6	39.1	.9	7.3	25.2	.8	6.6	19326
Matungu Constituency	None	12.7	9.7	56.1	1.5	11.1	.6	2.1	6.2	3367
Matungu Constituency	Primary	10.6	8.8	39.8	.8	7.2	26.1	.6	6.0	11061
Matungu Constituency	Secondary+	12.7	7.5	25.6	.8	4.7	40.3	.4	8.0	4898
Koyonzo Ward	Total	13.7	8.5	38.2	1.0	7.7	21.6	.7	8.6	4834
Koyonzo Ward	None	12.6	10.1	50.8	1.7	12.8	.7	1.8	9.7	900
Koyonzo Ward	Primary	12.9	8.2	39.0	.7	7.3	22.7	.5	8.7	2851
Koyonzo Ward	Secondary+	16.8	8.0	25.6	.9	4.7	36.2	.3	7.5	1083
Kholera Ward	Total	11.8	11.6	30.8	.9	8.7	27.9	.7	7.5	4141
Kholera Ward	None	14.2	12.5	50.9	.9	14.2	.8	1.3	5.2	633
Kholera Ward	Primary	11.0	12.8	32.0	1.0	9.4	25.3	.8	7.6	2197
Kholera Ward	Secondary+	12.1	9.2	18.9	.8	5.0	45.5	.3	8.3	1311
Khalaba Ward	Total	6.9	9.1	50.5	.5	1.5	28.1	.3	3.1	2481
Khalaba Ward	None	9.0	15.7	68.2	1.2	2.0	.2	1.5	2.2	402
Khalaba Ward	Primary	5.9	8.0	51.6	.4	1.6	30.1	.1	2.4	1537
Khalaba Ward	Secondary+	8.1	7.4	34.3	.2	.7	43.4	.2	5.7	542
Mayoni Ward	Total	13.4	8.9	41.0	1.0	6.5	22.6	.9	5.8	3871
Mayoni Ward	None	16.2	7.7	59.0	1.0	8.5	.5	2.6	4.3	764
Mayoni Ward	Primary	12.3	9.5	40.3	1.0	6.5	25.8	.5	4.2	2201
Mayoni Ward	Secondary+	13.7	8.5	27.3	.9	4.9	33.4	.4	10.9	906
Namamali Ward	Total	9.5	5.1	39.8	1.2	9.5	27.7	1.2	6.1	3999
Namamali Ward	None	9.7	5.2	57.6	2.2	14.4	.6	3.1	7.0	668
Namamali Ward	Primary	8.8	5.6	40.0	1.0	9.5	28.7	.9	5.5	2275
Namamali Ward	Secondary+	10.8	4.0	28.1	1.0	6.3	42.4	.7	6.6	1056
Butere Constituency	Total	10.1	9.7	46.8	1.5	7.8	17.1	1.0	6.0	19341
Butere Constituency	None	10.7	9.1	57.5	2.9	10.6	.3	2.4	6.5	2610
Butere Constituency	Primary	8.3	9.7	49.3	1.2	7.9	17.5	.9	5.2	11406
Butere Constituency	Secondary+	13.7	10.0	36.1	1.7	6.2	24.4	.4	7.5	5325
Marama West Ward	Total	9.9	11.6	49.2	2.0	3.3	19.1	1.0	3.9	3839
Marama West Ward	None	10.9	17.6	55.2	3.2	4.5	.4	2.6	5.6	467
Marama West Ward	Primary	8.6	10.6	52.8	1.7	3.4	18.9	1.1	2.9	2239
Marama West Ward	Secondary+	12.0	11.1	39.5	2.1	2.7	27.2	.2	5.1	1133
Marama Central Ward	Total	13.4	9.6	39.8	1.1	7.8	19.4	1.0	7.8	5832
Marama Central Ward	None	13.5	8.1	53.6	2.4	9.7	.2	2.9	9.5	934
Marama Central Ward	Primary	10.2	9.9	43.5	.8	8.2	20.0	.9	6.3	3201
Marama Central Ward	Secondary+	19.2	9.7	25.1	1.1	6.0	28.9	.3	9.7	1697
Marenyo/Shianda Ward	Total	8.9	6.4	48.1	1.8	10.9	16.6	.6	6.8	3523
Marenyo/Shianda Ward	None	11.0	6.4	56.1	3.0	15.4	.5	1.1	6.4	435
Marenyo/Shianda Ward	Primary	7.5	6.6	49.1	1.7	10.4	17.9	.5	6.3	2213
Marenyo/Shianda Ward	Secondary+	11.5	5.8	41.5	1.5	9.7	21.4	.5	8.1	875
Marama North Ward	Total	7.0	16.3	39.3	1.2	13.3	14.8	1.4	6.8	2842
Marama North Ward	None	6.3	10.4	52.8	2.4	20.0	.6	2.7	4.8	335
Marama North Ward	Primary	6.2	17.1	39.5	.8	13.5	15.0	1.3	6.7	1677
Marama North Ward	Secondary+	9.0	17.0	33.3	1.7	10.2	20.1	1.0	7.7	830
Marama South Ward	Total	8.7	5.6	61.3	1.7	4.9	12.9	.9	4.0	3305

Marama South Ward	None	7.5	3.9	73.3	3.9	7.1	0.0	2.1	2.3	439
Marama South Ward	Primary	7.8	5.6	62.4	1.0	4.9	13.5	.9	3.8	2076
Marama South Ward	Secondary+	11.5	6.3	51.6	2.3	3.7	18.5	.5	5.6	790
Khwisero Constituency	Total	10.7	8.8	46.3	1.3	8.1	17.5	1.2	6.1	17195
Khwisero Constituency	None	10.9	9.5	58.6	2.6	9.5	.7	3.3	4.9	2122
Khwisero Constituency	Primary	9.5	8.9	47.6	1.2	8.2	18.1	.9	5.7	10767
Khwisero Constituency	Secondary+	13.5	8.3	36.9	1.0	7.1	24.5	.8	7.8	4306
Kisa North Ward	Total	9.4	8.7	50.0	1.9	5.0	21.0	1.1	2.9	2962
Kisa North Ward	None	8.6	12.1	66.0	2.4	5.6	.6	3.3	1.5	338
Kisa North Ward	Primary	8.4	9.5	51.0	1.8	5.1	20.6	.9	2.9	1837
Kisa North Ward	Secondary+	12.1	5.5	41.0	1.9	4.4	30.6	.8	3.7	787
Kisa East Ward	Total	8.9	8.1	42.6	1.1	11.4	19.4	1.1	7.6	3376
Kisa East Ward	None	7.8	6.2	58.4	2.1	14.3	1.3	4.7	5.2	385
Kisa East Ward	Primary	8.0	8.5	42.9	1.0	11.5	20.0	.8	7.3	2090
Kisa East Ward	Secondary+	11.3	7.9	35.0	.9	9.9	25.6	.2	9.2	901
Kisa West Ward	Total	12.5	7.7	52.5	.6	6.4	14.5	1.4	4.3	3786
Kisa West Ward	None	12.6	9.5	65.1	1.1	5.8	0.0	3.5	2.4	548
Kisa West Ward	Primary	11.6	7.5	54.0	.7	6.2	14.9	1.1	3.9	2461
Kisa West Ward	Secondary+	15.3	7.1	38.9	.1	7.5	23.6	.8	6.8	777
Kisa Central Ward	Total	11.1	9.8	43.1	1.6	8.8	16.8	1.1	7.7	7071
Kisa Central Ward	None	12.1	10.0	51.5	3.9	11.3	.9	2.6	7.8	851
Kisa Central Ward	Primary	9.4	9.5	44.8	1.3	9.2	17.9	.9	7.1	4379
Kisa Central Ward	Secondary+	14.5	10.3	35.3	1.0	6.7	21.7	1.0	9.4	1841
Shinyalu Constituency	Total	14.0	9.7	47.4	1.5	5.4	13.4	1.0	7.6	24500
Shinyalu Constituency	None	15.7	10.2	50.1	2.7	7.4	.8	3.1	10.0	3003
Shinyalu Constituency	Primary	13.1	9.7	49.9	1.0	5.4	13.0	.8	7.1	14321
Shinyalu Constituency	Secondary+	15.1	9.6	41.4	1.7	4.5	19.3	.6	7.8	7176
Isukha North Ward	Total	15.5	10.4	40.4	1.7	10.4	14.6	.7	6.3	2995
Isukha North Ward	None	15.9	8.3	48.1	3.0	10.6	1.5	2.7	9.8	264
Isukha North Ward	Primary	16.0	11.1	42.0	1.1	11.1	12.7	.6	5.3	1744
Isukha North Ward	Secondary+	14.4	9.6	35.6	2.2	9.1	21.5	.4	7.2	987
Murhanda Ward	Total	13.1	5.6	54.1	1.4	3.6	14.5	1.9	5.7	4160
Murhanda Ward	None	14.3	8.2	56.6	3.5	5.2	.5	4.3	7.5	601
Murhanda Ward	Primary	13.4	5.6	54.8	.8	3.5	15.1	1.7	5.1	2474
Murhanda Ward	Secondary+	11.7	4.2	51.3	1.7	3.0	21.0	1.1	5.9	1085
Isukha Central Ward	Total	15.3	12.3	42.2	1.6	6.1	14.2	1.0	7.3	5759
Isukha Central Ward	None	16.2	13.2	40.6	3.2	8.4	.7	3.2	14.5	751
Isukha Central Ward	Primary	13.9	12.2	45.5	1.3	6.1	14.3	.7	6.1	3323
Isukha Central Ward	Secondary+	17.8	12.2	36.3	1.4	5.0	20.2	.8	6.4	1685
Isukha South Ward	Total	15.7	10.1	46.8	1.0	3.7	12.3	.8	9.7	6024
Isukha South Ward	None	15.6	10.9	52.8	1.8	5.1	.5	3.0	10.3	731
Isukha South Ward	Primary	13.6	10.1	50.1	.7	3.8	11.4	.6	9.7	3448
Isukha South Ward	Secondary+	19.5	9.8	38.3	1.2	2.9	18.8	.2	9.4	1845
Isukha East Ward	Total	10.1	7.7	53.4	2.5	6.2	10.4	.4	9.4	2487
Isukha East Ward	None	17.8	8.7	48.2	4.0	11.6	.4	1.1	8.3	276
Isukha East Ward	Primary	8.8	7.8	56.0	1.9	6.0	9.8	.3	9.5	1596
Isukha East Ward	Secondary+	10.1	6.8	49.1	3.3	4.4	16.4	.3	9.6	615
Isukha West Ward	Total	11.2	10.7	51.4	1.2	4.3	13.4	1.1	6.8	3075

Isukha West Ward	None	15.5	8.7	56.1	1.3	7.9	1.6	3.2	5.8	380
Isukha West Ward	Primary	10.9	10.1	53.4	.7	4.0	14.2	.6	6.0	1736
Isukha West Ward	Secondary+	10.1	12.6	45.9	1.9	3.4	16.5	1.0	8.6	959
Ikolomani Constituency	Total	13.3	7.5	39.5	1.1	14.2	15.6	.9	8.0	17960
Ikolomani Constituency	None	14.7	7.3	46.5	2.2	16.1	.2	2.8	10.1	2102
Ikolomani Constituency	Primary	13.1	7.6	39.6	.9	15.0	15.5	.7	7.5	10424
Ikolomani Constituency	Secondary+	13.1	7.5	36.4	1.0	12.0	21.6	.5	8.0	5434
Idakho South Ward	Total	10.5	5.3	29.7	.9	23.2	17.2	.8	12.3	3804
Idakho South Ward	None	12.0	3.4	35.9	2.1	30.3	.2	2.1	13.9	468
Idakho South Ward	Primary	9.7	5.1	30.7	.6	24.4	16.9	.7	11.8	2258
Idakho South Ward	Secondary+	11.6	6.5	24.9	1.0	17.6	25.3	.5	12.6	1078
Idakho East Ward	Total	13.3	8.2	45.1	1.4	5.8	17.5	.9	7.8	4865
Idakho East Ward	None	14.4	8.9	52.7	2.9	7.0	.2	3.7	10.1	514
Idakho East Ward	Primary	13.4	8.2	45.8	1.3	6.3	16.8	.7	7.5	2710
Idakho East Ward	Secondary+	12.8	8.2	41.5	1.1	4.4	23.9	.4	7.6	1641
Idakho North Ward	Total	15.6	8.6	43.4	.9	22.6	6.3	.9	1.6	3956
Idakho North Ward	None	16.4	10.9	47.9	1.3	19.0	0.0	2.0	2.4	457
Idakho North Ward	Primary	16.3	8.2	43.4	.8	22.9	6.3	.9	1.2	2358
Idakho North Ward	Secondary+	13.8	8.5	41.7	.9	23.4	8.9	.4	2.3	1141
Idakho Central Ward	Total	13.5	7.7	38.3	1.0	9.2	19.4	1.0	9.8	5335
Idakho Central Ward	None	15.7	6.3	48.3	2.4	11.0	.5	3.0	12.8	663
Idakho Central Ward	Primary	12.9	8.4	37.9	.8	9.7	20.3	.7	9.3	3098
Idakho Central Ward	Secondary+	13.9	6.8	35.0	.9	7.6	25.7	.6	9.5	1574

Table 11.6: Gini Coefficient by county Constituency and Ward

County/Constituency/Wards	Pop. Share	Mean	Consump. Share	Gini
Kenya	1	3,440	1	0.445
Rural	0.688	2,270	0.454	0.361
Urban	0.312	6,010	0.546	0.368
Kakamega County	0.044	2,710	0.034	0.394
Lugari Constituency	0.004	2,350	0.0030	0.356
Mautuma	0.001	2,210	0.0004	0.346
Lugari	0.001	2,270	0.0006	0.347
Lumakanda	0.001	2,910	0.0007	0.383
Chekalini	0.001	2,550	0.0004	0.345
Chevaywa	0.001	2,020	0.0005	0.327
Luandeti	0.001	2,200	0.0005	0.339
Likuyani Constituency	0.003	2,320	0.0022	0.353
Likuyani	0.001	2,340	0.0005	0.351
Sango	0.001	2,020	0.0004	0.336
Kongoni	0.001	2,610	0.0005	0.348
Nzoia	0.001	2,430	0.0006	0.364
Sinoko	0.001	2,140	0.0004	0.337
Malava Constituency	0.005	2,310	0.0036	0.336
West Kabras	0.001	2,270	0.0005	0.343

Chemuche	0.001	2,500	0.0006	0.340
East Kabras	0.001	2,260	0.0004	0.326
Butali/Chegulo	0.001	2,410	0.0006	0.346
Manda/Shivanga	0.001	2,170	0.0005	0.324
Shirugu/Mugai	0.001	2,360	0.0005	0.339
South Kabras	0.001	2,200	0.0006	0.330
Lurambi Constituency	0.004	5,420	0.0065	0.449
Butsotso East	0.001	3,170	0.0006	0.348
South Butsotso	0.000	3,130	0.0004	0.306
Central Butsotso	0.001	3,280	0.0007	0.308
Shieywe	0.001	5,740	0.0021	0.363
Mahiakalo	0.000	6,640	0.0006	0.380
Shirere	0.001	9,230	0.0022	0.520
Navakholo Constituency	0.004	2,210	0.0024	0.328
Ingots-Matiha	0.001	2,260	0.0004	0.329
Shinoyi-Shikomari-Esumeiya	0.001	2,110	0.0004	0.327
Bunyala West	0.001	2,080	0.0006	0.320
Bunyala East	0.001	2,180	0.0004	0.332
Bunyala Central	0.001	2,460	0.0006	0.325
Mumias West Constituency	0.003	3,860	0.0033	0.374
Mumias Central	0.001	4,570	0.0013	0.356
Mumias North	0.000	6,070	0.0007	0.340
Etenje	0.001	2,870	0.0006	0.302
Musanda	0.001	2,810	0.0007	0.319
Mumias East Constituency	0.003	2,700	0.0021	0.351
Lusheya/Lubinu	0.001	2,740	0.0008	0.357
Malaha/Isongo/Makunga	0.001	2,340	0.0006	0.319
East Wanga	0.001	2,990	0.0008	0.358
Matungu Constituency	0.004	2,500	0.0028	0.353
Koyonzo	0.001	2,090	0.0006	0.325
Kholera	0.001	2,380	0.0005	0.336
Khalaba	0.001	2,110	0.0003	0.303
Mayoni	0.001	3,630	0.0009	0.357
Namamali	0.001	2,220	0.0005	0.318
Butere Constituency	0.004	2,370	0.0026	0.351
Marama West	0.001	2,170	0.0005	0.331
Marama Central	0.001	2,740	0.0009	0.373
Marenyo/Shianda	0.001	1,990	0.0004	0.325
Marama North	0.001	2,490	0.0004	0.329
Marama South	0.001	2,180	0.0003	0.333
Khwisero Constituency	0.003	1,960	0.0016	0.329
Kisa North	0.001	2,110	0.0003	0.330
Kisa East	0.001	2,000	0.0003	0.327
Kisa West	0.001	1,700	0.0003	0.306
Kisa Central	0.001	2,000	0.0007	0.332
Shinyalu Constituency	0.004	2,180	0.0027	0.347
Isukha North	0.001	2,040	0.0004	0.331
Murhanda	0.001	1,960	0.0004	0.332

Isukha Central	0.001	2,240	0.0006	0.351
Isukha South	0.001	2,370	0.0007	0.364
Isukha East	0.000	2,300	0.0003	0.344
Isukha West	0.001	2,070	0.0003	0.334
Ikolomani Constituency	0.003	2,210	0.0018	0.351
Idakho South	0.001	2,050	0.0003	0.337
Idakho East	0.001	2,260	0.0005	0.346
Idakho North	0.001	2,140	0.0004	0.345
Idakho Central	0.001	2,330	0.0006	0.366

Table 11.7: Education by County, Constituency and Wards

County/Constituency/Wards	None	Primary	Secondary+	Total Pop
Kenya	25.2	52.0	22.8	34,024,396
Rural	29.5	54.7	15.9	23,314,262
Urban	15.8	46.2	38.0	10,710,134
Kakamega County	20.6	60.9	18.5	1,449,141
Lugari Constituency	16.8	62.7	20.5	146,571
Mautuma	15.8	64.8	19.5	21,826
Lugari	17.2	63.9	18.9	27,681
Lumakanda	15.8	60.4	23.8	26,481
Chekalini	16.8	58.4	24.9	17,472
Chevaywa	18.3	64.2	17.5	28,927
Luandetì	16.8	63.2	20.0	24,184
Likuyani Constituency	18.5	60.6	21.0	110,452
Likuyani	18.3	60.3	21.4	24,125
Sango	21.1	61.8	17.2	20,268
Kongoni	17.2	61.3	21.5	20,941
Nzoia	16.7	59.7	23.6	26,546
Sinoko	19.6	60.0	20.4	18,572
Malava Constituency	19.4	61.3	19.3	179,047
West Kabras	21.7	62.8	15.5	22,575
Chemuche	16.7	60.6	22.7	25,994
East Kabras	20.3	61.9	17.8	19,859
Butali/Chegulo	17.9	59.7	22.4	28,016
Manda/Shivanga	19.8	61.6	18.6	27,943
Shirugu/Mugai	19.1	60.7	20.2	21,682
South Kabras	20.7	62.0	17.3	32,978
Lurambi Constituency	16.7	53.7	29.6	138,132
Butsotso East	22.8	61.3	15.9	20,386
South Butsotso	20.2	62.1	17.7	15,252
Central Butsotso	20.2	59.9	20.0	22,673
Shieywe	12.8	47.1	40.1	42,275
Mahiakalo	15.2	50.5	34.4	9,791
Shirere	13.8	49.6	36.6	27,755
Navakholo Constituency	21.7	62.8	15.6	118,270
Ingotse-Matiha	23.4	62.4	14.2	18,902

Shinoyi-Shikomari-Esumeiya	23.3	61.4	15.3	22,054
Bunyala West	21.2	63.7	15.1	33,012
Bunyala East	20.6	61.6	17.8	19,232
Bunyala Central	20.3	64.0	15.7	25,070
Mumias West Constituency	22.2	57.1	20.7	97,580
Mumias Central	21.9	53.8	24.4	32,172
Mumias North	15.4	45.6	39.0	14,101
Etenje	24.7	62.5	12.8	24,524
Musanda	24.0	62.0	14.0	26,783
Mumias East Constituency	23.2	60.4	16.4	87,609
Lusheya/Lubinu	24.4	60.3	15.3	32,179
Malaha/Isono/Makunga	22.3	61.6	16.1	27,125
East Wanga	22.8	59.3	17.9	28,305
Matungu Constituency	25.0	61.8	13.2	127,091
Koyonzo	25.1	63.4	11.6	31,096
Kholera	24.2	60.3	15.5	25,246
Khalaba	24.3	64.2	11.4	16,931
Mayoni	26.0	59.9	14.1	26,249
Namamali	25.1	61.7	13.2	27,569
Butere Constituency	22.4	62.6	15.0	122,538
Marama West	21.2	63.3	15.5	27,388
Marama Central	24.1	60.0	15.9	38,707
Marenyo/Shianda	22.1	64.7	13.2	20,305
Marama North	20.8	63.3	15.9	18,490
Marama South	22.5	63.9	13.6	17,648
Khwisero Constituency	21.1	64.5	14.4	90,164
Kisa North	20.5	64.6	15.0	16,885
Kisa East	20.4	64.8	14.8	17,436
Kisa West	22.0	65.7	12.2	18,677
Kisa Central	21.2	63.8	15.0	37,166
Shinyalu Constituency	21.0	62.5	16.5	139,375
Isukha North	18.0	62.7	19.3	19,837
Murhanda	21.9	63.5	14.6	24,933
Isukha Central	20.8	62.5	16.6	30,155
Isukha South	22.1	60.9	17.0	31,512
Isukha East	20.2	66.4	13.4	15,538
Isukha West	22.3	60.2	17.5	17,400
Ikolomani Constituency	22.3	61.0	16.6	92,312
Idakho South	24.0	60.9	15.1	17,996
Idakho East	19.7	61.2	19.1	23,798
Idakho North	22.0	62.2	15.8	22,746
Idakho Central	23.8	60.0	16.2	27,772

Table 11.8: Education for Male and Female Headed Households by County, Constituency and Ward

County/Constituency/Wards	None	Primary	Secondary+	Total Pop	None	Primary	Secondary+	Total Pop
Kenya	23.5	51.8	24.7	16,819,031	26.8	52.2	21.0	17,205,365
Rural	27.7	54.9	17.4	11,472,394	31.2	54.4	14.4	11,841,868
Urban	14.4	45.2	40.4	5,346,637	17.2	47.2	35.6	5,363,497
Kakamega County	19.3	61.1	19.7	693,921	21.9	60.7	17.4	755,220
Lugari Constituency	16.2	62.8	21.0	70,823	17.5	62.5	20.0	75,748
Mautuma	15.4	65.2	19.5	10,651	16.1	64.4	19.5	11,175
Lugari	17.1	63.8	19.1	13,344	17.3	63.9	18.8	14,337
Lumakanda	15.0	61.1	23.9	12,927	16.5	59.8	23.7	13,554
Chekalini	15.9	58.8	25.4	8,337	17.6	58.0	24.4	9,135
Chevaywa	17.3	64.0	18.7	14,033	19.3	64.3	16.4	14,894
Luandeti	16.1	62.9	20.9	11,531	17.5	63.4	19.1	12,653
Likuyani Constituency	17.7	60.8	21.4	53,221	19.1	60.3	20.6	57,231
Likuyani	17.5	60.6	21.9	11,751	19.1	59.9	20.9	12,374
Sango	20.6	62.0	17.5	9,763	21.6	61.6	16.8	10,505
Kongoni	16.7	61.6	21.7	10,013	17.6	61.0	21.3	10,928
Nzoia	15.9	59.9	24.1	12,616	17.4	59.5	23.0	13,930
Sinoko	18.7	60.3	21.0	9,078	20.5	59.7	19.8	9,494
Malava Constituency	18.6	60.9	20.5	86,597	20.2	61.7	18.1	92,450
West Kabras	20.6	62.0	17.4	10,909	22.7	63.6	13.7	11,666
Chemuche	16.0	60.3	23.8	12,517	17.4	60.8	21.8	13,477
East Kabras	19.6	61.8	18.6	9,543	21.0	62.0	17.1	10,316
Butali/Chegulo	17.3	59.5	23.2	13,591	18.5	60.0	21.6	14,425
Manda/Shivanga	19.1	61.2	19.6	13,509	20.4	62.0	17.6	14,434
Shirugu/Mugai	18.1	60.1	21.9	10,446	20.0	61.3	18.7	11,236
South Kabras	19.7	61.6	18.7	16,082	21.7	62.3	16.0	16,896
Lurambi Constituency	16.0	53.6	30.4	67,382	17.3	53.8	28.9	70,750
Butsotso East	21.9	62.2	15.9	9,910	23.7	60.4	15.9	10,476
South Butsotso	19.2	62.4	18.4	7,240	21.0	61.9	17.1	8,012
Central Butsotso	19.1	60.2	20.7	10,966	21.2	59.6	19.3	11,707
Shieywe	12.6	46.0	41.5	21,056	13.1	48.2	38.7	21,219
Mahiakalo	14.5	50.6	35.0	4,912	15.8	50.4	33.8	4,879
Shirere	13.4	49.9	36.7	13,298	14.2	49.3	36.5	14,457
Navakholo Constituency	20.6	62.3	17.1	56,580	22.7	63.2	14.1	61,690

Ingotse-Matiha	22.8	62.6	14.6	9,145	24.0	62.2	13.8	9,757
Shinoyi-Shikomari-Esumeiya	21.5	61.8	16.7	10,603	24.9	61.1	14.0	11,451
Bunyala West	20.1	62.3	17.6	15,492	22.2	64.8	12.9	17,520
Bunyala East	19.2	61.2	19.7	9,288	21.9	62.0	16.1	9,944
Bunyala Central	19.6	63.5	16.8	12,052	21.0	64.5	14.6	13,018
Mumias West Constituency	20.0	57.0	23.0	46,804	24.3	57.2	18.6	50,776
Mumias Central	20.1	53.8	26.2	15,562	23.5	53.8	22.7	16,610
Mumias North	13.9	43.7	42.4	7,088	16.9	47.5	35.6	7,013
Etenje	22.3	63.4	14.3	11,523	26.8	61.8	11.4	13,001
Musanda	21.2	62.6	16.2	12,631	26.5	61.6	12.0	14,152
Mumias East Constituency	21.2	60.7	18.1	41,700	25.1	60.1	14.9	45,909
Lusheya/Lubinu	22.0	61.4	16.7	15,398	26.6	59.3	14.1	16,781
Malaha/Isongo/Makunga	20.5	61.9	17.6	12,752	23.9	61.3	14.8	14,373
East Wanga	20.9	59.0	20.2	13,550	24.5	59.7	15.9	14,755
Matungu Constituency	22.6	62.3	15.0	60,763	27.2	61.3	11.5	66,328
Koyonzo	22.8	63.9	13.4	14,590	27.1	62.9	10.0	16,506
Kholera	22.3	61.8	15.9	12,047	26.0	58.9	15.1	13,199
Khalaba	22.0	63.8	14.1	8,135	26.5	64.6	9.0	8,796
Mayoni	23.3	60.4	16.4	12,732	28.5	59.5	12.0	13,517
Namamali	22.4	62.1	15.5	13,259	27.7	61.2	11.1	14,310
Butere Constituency	20.6	63.1	16.3	58,054	24.0	62.2	13.8	64,484
Marama West	20.1	63.3	16.6	13,105	22.3	63.4	14.4	14,283
Marama Central	22.2	60.5	17.3	18,355	25.8	59.6	14.6	20,352
Marenyo/Shianda	20.2	65.4	14.4	9,533	23.8	64.1	12.1	10,772
Marama North	19.2	64.0	16.9	8,713	22.3	62.8	14.9	9,777
Marama South	20.1	64.8	15.1	8,348	24.6	63.0	12.4	9,300
Khwisero Constituency	19.1	65.2	15.7	42,196	22.8	64.0	13.2	47,968
Kisa North	19.1	64.8	16.2	7,862	21.7	64.4	13.9	9,023
Kisa East	19.0	65.6	15.3	8,120	21.6	64.2	14.3	9,316
Kisa West	18.9	67.2	14.0	8,791	24.8	64.5	10.7	9,886
Kisa Central	19.2	64.2	16.5	17,423	22.9	63.4	13.7	19,743
Shinyalu Constituency	19.7	63.2	17.2	66,455	22.2	61.8	15.9	72,920
Isukha North	16.6	63.0	20.4	9,612	19.4	62.3	18.3	10,225

Murhanda	20.4	63.9	15.7	11,985		23.2	63.1	13.7	12,948
Isukha Central	19.6	63.0	17.4	14,355		21.9	62.2	16.0	15,800
Isukha South	20.9	62.3	16.8	14,904		23.2	59.6	17.2	16,608
Isukha East	18.8	66.5	14.7	7,464		21.5	66.3	12.2	8,074
Isukha West	20.7	61.5	17.8	8,135		23.7	59.0	17.3	9,265
Ikolomani Constituency	21.0	61.5	17.5	43,346		23.5	60.6	15.9	48,966
Idakho South	22.8	61.7	15.6	8,308		25.1	60.3	14.6	9,688
Idakho East	18.1	61.6	20.4	11,149		21.2	60.8	18.1	12,649
Idakho North	20.4	63.0	16.7	10,795		23.5	61.6	14.9	11,951
Idakho Central	22.9	60.2	16.9	13,094		24.6	59.8	15.7	14,678

Table 11.9: Cooking Fuel by County, Constituency and Wards

County/Constituency/ Wards	Electricity	Paraffin	LPG	Biogas	Firewood	Charcoal	Solar	Other	Households
Kenya	0.8	11.7	5.1	0.7	64.4	17.0	0.1	0.3	8,493,380
Rural	0.2	1.4	0.6	0.3	90.3	7.1	0.1	0.1	5,239,879
Urban	1.8	28.3	12.3	1.4	22.7	32.8	0.0	0.6	3,253,501
Kakamega County	0.5	2.3	0.8	0.4	86.8	8.9	0.0	0.2	349,735
Lugari Constituency	0.1	1.7	0.4	0.3	91.4	6.0	0.0	0.1	33,251
Mautuma	-	0.7	0.1	0.2	96.9	2.1	0.0	-	5,034
Lugari	0.0	1.0	0.2	0.4	94.7	3.6	0.0	0.0	6,192
Lumakanda	0.2	3.3	1.3	0.3	83.4	11.3	0.0	0.3	6,319
Chekalini	-	2.8	0.2	0.4	91.3	5.1	0.0	0.1	3,808
Chevaywa	0.1	1.4	0.4	0.3	90.4	7.3	-	0.0	6,564
Luandeti	0.0	0.9	0.2	0.3	93.0	5.5	-	0.1	5,334
Likuyani Constituency	0.2	2.1	0.5	0.3	87.6	9.1	0.1	0.2	25,690
Likuyani	0.1	2.4	0.6	0.3	86.2	10.0	0.2	0.2	5,704
Sango	0.1	0.2	0.1	0.3	97.3	2.0	0.1	0.0	4,438
Kongoni	0.3	2.0	0.5	0.5	88.0	8.6	0.1	0.0	4,868
Nzoia	0.3	3.8	0.9	0.3	78.2	16.0	0.0	0.5	6,382
Sinoko	0.0	1.2	0.2	0.2	92.9	5.3	0.1	0.1	4,298
Malava Constituency	0.2	1.1	0.2	0.3	92.1	5.9	0.0	0.1	40,053
West Kabras	-	0.5	-	0.4	96.5	2.5	-	0.0	5,018

Chemuche	0.2	1.8	0.6	0.3	87.8	9.1	0.0	0.0	5,737
East Kabras	0.0	0.9	-	0.3	92.3	6.3	0.0	0.0	4,461
Butali/Chegulo	0.1	1.4	0.3	0.3	91.0	6.9	0.0	0.1	6,356
Manda/Shivanga	-	0.4	0.1	0.2	96.8	2.4	-	0.1	5,930
Shirugu/Mugai	0.1	1.1	0.5	0.3	92.9	5.1	-	0.1	4,865
South Kabras	0.9	1.4	0.2	0.3	89.3	7.8	0.1	0.1	7,686
Lurambi Constituency	0.8	7.5	3.6	1.2	54.4	31.7	0.0	0.7	36,197
Butsotso East	0.2	2.5	0.2	0.5	92.5	4.0	0.0	0.1	4,746
South Butsotso	0.2	1.4	0.4	0.2	94.2	3.5	-	0.1	3,641
Central Butsotso	0.3	1.7	0.8	0.4	91.4	5.3	0.1	0.1	5,278
Shieywe	1.3	12.7	4.8	2.0	23.7	54.0	0.0	1.5	12,715
Mahiakalo	1.8	12.3	8.5	1.2	47.1	28.2	0.0	0.7	2,613
Shirere	0.8	7.2	5.8	1.6	38.9	45.3	0.0	0.3	7,204
Navakholo Constituency	0.1	0.6	0.2	0.3	96.7	2.1	0.0	0.1	27,107
Ingotse-Matiha	0.1	0.9	0.4	0.3	95.2	2.9	-	0.1	4,313
Shinoyi-Shikomari-Esumeiya	0.0	0.6	0.1	0.1	96.9	2.1	-	0.0	5,131
Bunyala West	0.1	0.5	0.1	0.3	97.2	1.8	0.0	0.0	7,478
Bunyala East	0.0	0.4	0.2	0.2	97.7	1.4	-	0.0	4,446
Bunyala Central	0.1	0.5	0.2	0.5	96.0	2.6	0.0	0.1	5,739
Mumias West Constituency	4.0	4.8	2.1	0.6	66.6	21.8	0.0	0.2	25,915
Mumias Central	0.7	9.1	2.5	0.4	46.5	40.4	0.0	0.5	9,248
Mumias North	24.0	7.4	6.9	1.6	24.8	35.1	-	0.2	3,986
Etenje	0.0	0.9	0.3	0.5	94.8	3.4	0.1	0.1	5,984
Musanda	0.0	0.8	0.2	0.4	93.9	4.7	-	0.0	6,697
Mumias East Constituency	0.1	1.6	0.3	0.3	92.4	5.1	0.0	0.1	21,148
Lusheya/Lubinu	0.2	1.8	0.3	0.4	90.3	6.9	0.0	0.1	7,946
Malaha/Isongo/Makunga	0.0	1.6	0.3	0.2	94.7	3.2	-	0.1	6,403
East Wanga	0.1	1.5	0.3	0.3	92.8	4.9	0.1	0.1	6,799
Matungu Constituency	0.1	1.9	0.2	0.3	92.0	5.5	0.0	0.1	30,486
Koyonzo	0.1	1.5	0.2	0.3	93.3	4.4	-	0.1	7,513
Kholera	0.1	3.4	0.3	0.2	88.4	7.5	0.0	0.1	5,838
Khalaba	-	0.7	0.1	0.2	97.7	1.3	-	0.0	4,024

Mayoni	0.1	2.9	0.3	0.4	85.3	10.8	0.0	0.2	6,632
Namamali	-	0.6	0.1	0.3	97.1	2.0	-	-	6,479
Butere Constituency	0.2	1.3	0.4	0.4	93.2	4.6	0.0	0.1	30,479
Marama West	0.1	0.8	0.1	0.2	95.0	3.6	0.0	0.1	6,659
Marama Central	0.3	2.5	0.7	0.4	88.4	7.6	0.0	0.1	9,585
Marenyo/Shianda	0.0	0.8	0.2	0.4	96.7	1.8	0.0	0.0	5,106
Marama North	0.2	0.6	0.2	0.6	95.1	3.3	-	0.0	4,627
Marama South	0.0	0.6	0.3	0.4	94.6	3.9	0.1	0.1	4,502
Khwisero Constituency	0.1	1.2	0.2	0.3	95.3	2.9	0.0	0.1	23,225
Kisa North	0.1	0.6	0.2	0.3	96.2	2.5	-	0.1	4,175
Kisa East	0.1	0.9	0.1	0.3	96.7	1.6	0.0	0.2	4,429
Kisa West	0.0	0.8	0.2	0.3	94.5	4.2	0.0	0.1	4,895
Kisa Central	0.1	1.7	0.2	0.3	94.6	3.0	0.0	0.0	9,726
Shinyalu Constituency	0.3	2.1	0.4	0.3	91.7	5.0	0.0	0.1	33,555
Isukha North	0.1	1.5	0.6	0.5	87.3	9.9	0.1	0.0	4,770
Murhanda	0.2	0.8	0.2	0.3	96.4	2.1	0.0	0.0	5,942
Isukha Central	0.2	2.4	0.3	0.3	93.1	3.6	0.0	0.1	7,213
Isukha South	0.5	4.7	1.1	0.3	86.9	6.3	0.1	0.1	7,631
Isukha East	0.1	0.3	0.1	0.2	95.3	4.0	0.0	0.0	3,840
Isukha West	0.4	0.8	0.2	0.3	93.5	4.8	-	0.1	4,159
Ikolomani Constituency	0.2	1.3	0.3	0.4	96.2	1.6	0.0	0.0	22,629
Idakho South	0.1	0.9	0.5	0.4	96.5	1.5	-	0.0	4,562
Idakho East	0.2	0.7	0.3	0.4	96.8	1.5	0.0	-	5,873
Idakho North	0.1	0.9	0.2	0.3	97.5	0.9	-	0.0	5,485
Idakho Central	0.3	2.3	0.3	0.5	94.4	2.3	0.0	0.0	6,709

Table 11.10: Cooking Fuel for Male Headed Households by County, Constituency and Wards

County/Constituency/Wards	Electricity	Paraffin	LPG	Biogas	Firewood	Charcoal	Solar	Other	Households
Kenya	0.9	13.5	5.3	0.8	61.4	17.7	0.1	0.4	5,762,320
Rural	0.2	1.6	0.6	0.3	89.6	7.5	0.1	0.1	3,413,616
Urban	1.9	30.9	12.0	1.4	20.4	32.5	0.0	0.7	2,348,704
Kakamega County	0.6	2.7	0.8	0.4	85.9	9.4	0.0	0.2	228,905
Lugari Constituency	0.1	1.9	0.4	0.3	91.3	5.9	0.0	0.1	22,331
Mautuma	0.0	0.8	0.1	0.2	97.1	1.8	0.0	0.0	3,342

Lugari	0.1	1.1	0.2	0.4	94.3	3.8	0.0	0.0	4,168
Lumakanda	0.2	3.9	1.1	0.3	83.0	11.1	0.0	0.4	4,220
Chekalini	0.0	3.1	0.2	0.4	90.9	5.3	0.0	0.1	2,486
Chevaywa	0.1	1.6	0.5	0.3	90.4	7.0	0.0	0.0	4,571
Luandeti	0.0	1.0	0.2	0.3	93.6	4.8	0.0	0.1	3,544
Likuyani Constituency	0.2	2.2	0.5	0.3	87.1	9.3	0.1	0.2	16,819
Likuyani	0.1	2.8	0.6	0.3	86.1	9.8	0.2	0.2	3,799
Sango	0.1	0.2	0.1	0.3	96.9	2.2	0.1	0.0	2,860
Kongoni	0.2	1.8	0.4	0.4	88.4	8.6	0.1	0.0	3,151
Nzoia	0.4	4.1	1.0	0.3	76.8	16.9	0.0	0.6	4,127
Sinoko	0.1	1.4	0.1	0.2	92.2	5.9	0.1	0.1	2,882
Malava Constituency	0.3	1.2	0.2	0.3	92.3	5.5	0.0	0.1	28,043
West Kabras	0.0	0.5	0.0	0.5	96.2	2.7	0.0	0.1	3,546
Chemuche	0.3	1.8	0.7	0.3	89.2	7.7	0.0	0.1	3,958
East Kabras	0.0	0.8	0.0	0.3	93.5	5.4	0.0	0.0	3,081
Butali/Chegulo	0.1	1.6	0.3	0.3	90.5	7.0	0.0	0.1	4,390
Manda/Shivanga	0.0	0.5	0.1	0.2	96.7	2.4	0.0	0.1	4,115
Shirugu/Mugai	0.1	1.3	0.5	0.3	93.1	4.6	0.0	0.1	3,344
South Kabras	1.1	1.6	0.2	0.3	89.1	7.4	0.1	0.2	5,609
Lurambi Constituency	0.8	8.4	3.5	1.2	52.7	32.5	0.1	0.8	25,444
Butsotso East	0.2	2.6	0.2	0.4	92.2	4.2	0.1	0.1	3,403
South Butsotso	0.2	1.7	0.4	0.1	94.0	3.6	0.0	0.0	2,341
Central Butsotso	0.3	1.7	0.7	0.4	91.6	5.2	0.1	0.1	3,650
Shieywe	1.2	14.1	4.5	1.9	21.6	54.8	0.0	1.8	9,295
Mahiakalo	2.2	13.2	8.2	1.1	46.1	28.4	0.1	0.7	1,844
Shirere	0.8	8.2	5.8	1.5	38.0	45.2	0.0	0.4	4,911
Navakholo Constituency	0.1	0.6	0.2	0.3	96.7	2.0	0.0	0.1	17,696
Ingotse-Matiha	0.0	0.7	0.2	0.3	95.8	2.7	0.0	0.2	3,073
Shinoyi-Shikomari-Esumeiya	0.0	0.6	0.1	0.2	97.2	1.8	0.0	0.0	3,500
Bunyala West	0.1	0.7	0.2	0.2	97.0	1.7	0.0	0.0	4,602
Bunyala East	0.0	0.5	0.1	0.3	97.5	1.5	0.0	0.1	3,018
Bunyala Central	0.1	0.5	0.3	0.5	95.9	2.6	0.0	0.1	3,503
Mumias West Constituency	4.8	5.7	2.3	0.6	62.8	23.5	0.0	0.3	17,209
Mumias Central	0.8	10.4	2.6	0.3	43.8	41.5	0.0	0.6	6,291
Mumias North	25.3	8.3	7.1	1.7	20.9	36.4	0.0	0.3	3,060
Etenje	0.0	0.9	0.3	0.5	94.8	3.4	0.1	0.1	3,744
Musanda	0.0	1.0	0.1	0.4	93.7	4.7	0.0	0.0	4,114
Mumias East Constituency	0.1	1.4	0.3	0.3	92.7	5.0	0.0	0.1	13,865
Lusheya/Lubinu	0.2	1.8	0.4	0.5	90.2	6.8	0.0	0.1	5,333
Malaha/Isono/Makunga	0.0	0.9	0.3	0.2	95.5	2.9	0.0	0.1	4,086
East Wanga	0.1	1.3	0.2	0.3	93.1	4.7	0.1	0.1	4,446
Matungu Constituency	0.1	2.2	0.2	0.3	91.6	5.6	0.0	0.1	20,053
Koyonzo	0.2	1.7	0.3	0.2	93.4	4.0	0.0	0.1	4,806
Kholera	0.2	3.8	0.2	0.2	88.3	7.1	0.0	0.2	3,845
Khalaba	0.0	0.8	0.1	0.2	97.6	1.2	0.0	0.0	2,663
Mayoni	0.1	3.5	0.3	0.5	83.5	11.9	0.0	0.2	4,499
Namamali	0.0	0.5	0.1	0.1	97.2	2.0	0.0	0.0	4,240
Butere Constituency	0.2	1.4	0.4	0.3	93.4	4.2	0.0	0.1	19,365

Marama West	0.1	0.8	0.1	0.2	95.7	3.1	0.0	0.0	4,453
Marama Central	0.4	2.7	0.8	0.3	88.9	6.8	0.0	0.1	6,271
Marenyo/Shianda	0.0	0.9	0.3	0.3	96.6	1.8	0.1	0.1	3,064
Marama North	0.2	0.7	0.1	0.7	95.3	3.0	0.0	0.0	2,956
Marama South	0.0	0.7	0.3	0.3	94.6	4.0	0.1	0.1	2,621
Khwiseri Constituency	0.1	1.3	0.2	0.4	94.7	3.2	0.0	0.1	13,476
Kisa North	0.1	0.6	0.2	0.4	95.7	2.8	0.0	0.1	2,535
Kisa East	0.2	1.0	0.1	0.4	96.1	1.9	0.0	0.2	2,522
Kisa West	0.0	1.0	0.2	0.4	93.5	4.7	0.0	0.1	2,785
Kisa Central	0.1	1.9	0.2	0.3	94.2	3.2	0.1	0.0	5,634
Shinyalu Constituency	0.3	2.1	0.5	0.4	91.4	5.2	0.0	0.1	21,274
Isukha North	0.2	1.9	0.6	0.6	86.5	10.1	0.1	0.0	3,281
Murhanda	0.3	0.9	0.2	0.3	96.2	2.2	0.0	0.0	3,884
Isukha Central	0.3	2.4	0.3	0.2	93.2	3.4	0.0	0.0	4,417
Isukha South	0.5	4.7	1.1	0.4	86.4	6.6	0.1	0.2	4,636
Isukha East	0.1	0.4	0.1	0.3	95.0	4.1	0.0	0.0	2,503
Isukha West	0.4	0.9	0.2	0.4	93.0	5.2	0.0	0.0	2,553
Ikolomani Constituency	0.2	1.5	0.4	0.5	95.8	1.7	0.0	0.0	13,330
Idakho South	0.1	1.0	0.6	0.5	96.2	1.6	0.0	0.0	2,506
Idakho East	0.2	1.1	0.4	0.6	96.3	1.4	0.0	0.0	3,375
Idakho North	0.1	1.0	0.2	0.4	97.3	0.9	0.0	0.1	3,467
Idakho Central	0.3	2.5	0.4	0.5	93.7	2.6	0.0	0.0	3,982

Table 11.11: Cooking Fuel for Female Headed Households by County, Constituency and Wards

County/Constituency/Wards	Electricity	Paraffin	LPG	Biogas	Firewood	Charcoal	Solar	Other	Households
Kenya	0.6	7.9	4.6	0.7	70.6	15.5	0.0	0.1	2,731,060
Rural	0.1	1.0	0.5	0.3	91.5	6.5	0.0	0.1	1,826,263
Urban	1.6	21.7	13.0	1.5	28.5	33.6	0.0	0.3	904,797
Kakamega County	0.3	1.7	0.7	0.4	88.6	8.1	0.0	0.1	120,830
Lugari Constituency	0.0	1.2	0.4	0.3	91.5	6.3	0.0	0.1	10,920
Mautuma	-	0.6	0.2	0.2	96.4	2.6	0.1	-	1,692
Lugari	-	0.9	0.2	0.3	95.4	3.2	-	-	2,024
Lumakanda	0.1	1.9	1.5	0.4	84.3	11.5	0.1	0.1	2,099
Chekalini	-	2.3	0.2	0.6	92.1	4.7	0.1	0.1	1,322
Chevaywa	0.1	1.0	0.3	0.3	90.5	7.9	-	0.1	1,993
Luandeti	0.1	0.7	0.2	0.3	91.7	6.9	-	0.1	1,790
Likuyani Constituency	0.1	1.8	0.5	0.3	88.4	8.5	0.1	0.1	8,871
Likuyani	0.2	1.6	0.8	0.3	86.2	10.5	0.3	0.1	1,905
Sango	-	0.2	-	0.3	97.9	1.5	0.1	-	1,578
Kongoni	0.3	2.4	0.6	0.5	87.3	8.7	0.1	0.1	1,717
Nzoia	0.2	3.2	0.8	0.4	80.7	14.4	-	0.3	2,255

Sinoko	-	0.9	0.3	0.1	94.5	4.0	0.1	-	1,416
Malava Constituency	0.1	0.9	0.3	0.3	91.7	6.8	0.0	0.0	12,010
West Kabras	-	0.5	-	0.2	97.1	2.2	-	-	1,472
Chemuche	0.1	1.9	0.6	0.4	84.7	12.3	-	-	1,779
East Kabras	0.1	1.2	-	0.5	89.8	8.4	0.1	-	1,380
Butali/Chegulo	-	0.9	0.3	0.3	92.0	6.5	-	0.1	1,966
Manda/Shivanga	-	0.2	0.1	0.2	97.0	2.6	-	-	1,815
Shirugu/Mugai	-	0.8	0.6	0.2	92.4	6.0	-	-	1,521
South Kabras	0.2	0.6	0.3	0.2	89.9	8.7	0.1	-	2,077
Lurambi Constituency	0.9	5.3	3.9	1.4	58.5	29.8	0.0	0.4	10,753
Butsotso East	0.1	2.3	0.2	0.6	93.1	3.5	-	0.1	1,343
South Butsotso	0.4	0.8	0.4	0.3	94.6	3.2	-	0.2	1,300
Central Butsotso	0.3	1.7	1.0	0.5	90.9	5.5	0.1	-	1,628
Shieywe	1.5	8.9	5.4	2.2	29.6	51.5	0.0	0.8	3,420
Mahiakalo	1.0	10.1	9.2	1.6	49.3	27.8	-	0.9	769
Shirere	0.9	5.1	5.8	1.7	40.8	45.6	-	0.2	2,293
Navakholo Constituency	0.1	0.5	0.2	0.3	96.6	2.3	0.0	0.0	9,411
Ingotse-Matiha	0.4	1.1	0.8	0.3	93.8	3.5	-	-	1,240
Shinoyi-Shikomari-Esumeiya	0.1	0.6	0.1	0.1	96.3	2.8	-	0.1	1,631
Bunyala West	-	0.3	0.0	0.3	97.5	1.8	0.0	0.0	2,876
Bunyala East	0.1	0.4	0.2	0.1	97.9	1.3	-	-	1,428
Bunyala Central	0.0	0.4	0.1	0.6	96.2	2.6	-	-	2,236
Mumias West Constituency	2.3	3.0	1.6	0.6	74.0	18.3	0.0	0.1	8,706
Mumias Central	0.5	6.4	2.2	0.8	52.0	37.9	-	0.2	2,957
Mumias North	19.8	4.3	6.5	1.2	37.6	30.6	-	0.1	926
Etenje	0.0	0.9	0.3	0.5	94.8	3.3	0.0	0.0	2,240
Musanda	0.0	0.5	0.2	0.3	94.3	4.6	-	-	2,583
Mumias East Constituency	0.1	2.1	0.3	0.3	91.8	5.4	0.0	0.0	7,283
Lusheya/Lubinu	0.1	1.9	0.2	0.3	90.3	7.1	0.0	0.0	2,613
Malaha/Isono/Makunga	0.1	2.7	0.3	0.3	93.1	3.5	-	-	2,317
East Wanga	-	1.7	0.4	0.3	92.1	5.4	0.0	-	2,353
Matungu Constituency	0.1	1.3	0.2	0.3	92.8	5.3	0.0	0.0	10,433
Koyonzo	0.1	1.2	0.2	0.4	93.0	5.1	-	0.0	2,707
Kholera	0.1	2.5	0.6	0.2	88.4	8.2	0.1	0.1	1,993
Khalaba	-	0.5	-	0.1	97.8	1.5	-	-	1,361

Mayoni	0.1	1.7	0.2	0.2	89.2	8.4	-	0.1	2,133
Namamali	-	0.6	0.0	0.5	96.8	2.1	-	-	2,239
Butere Constituency	0.1	1.0	0.3	0.5	92.7	5.2	0.0	0.0	11,114
Marama West	0.1	0.8	0.1	0.3	93.7	4.9	0.0	0.1	2,206
Marama Central	0.2	2.1	0.6	0.6	87.5	9.0	-	0.0	3,314
Marenyo/Shianda	0.0	0.6	0.1	0.6	96.8	1.8	-	-	2,042
Marama North	0.2	0.4	0.2	0.5	94.9	3.8	-	0.1	1,671
Marama South	0.1	0.4	0.3	0.7	94.5	3.8	0.1	0.1	1,881
Khwisero Constituency	0.0	1.0	0.2	0.2	96.0	2.5	0.0	0.1	9,749
Kisa North	0.1	0.5	0.3	0.1	96.9	2.0	-	0.1	1,640
Kisa East	0.1	0.8	-	0.2	97.6	1.2	-	0.2	1,907
Kisa West	-	0.4	0.1	0.2	95.7	3.5	0.0	0.0	2,110
Kisa Central	0.0	1.5	0.2	0.2	95.2	2.7	0.0	0.0	4,092
Shinyalu Constituency	0.2	2.0	0.4	0.3	92.3	4.7	0.0	0.1	12,281
Isukha North	0.1	0.6	0.5	0.3	89.0	9.5	0.1	-	1,489
Murhanda	-	0.6	0.1	0.5	96.9	1.7	0.0	0.0	2,058
Isukha Central	0.1	2.4	0.2	0.4	92.9	3.9	-	0.1	2,796
Isukha South	0.4	4.7	0.9	0.3	87.7	5.9	0.0	-	2,995
Isukha East	0.1	0.1	0.1	-	95.7	3.9	-	0.1	1,337
Isukha West	0.3	0.6	0.2	0.2	94.3	4.3	-	0.1	1,606
Ikolomani Constituency	0.1	0.9	0.3	0.3	96.8	1.5	0.0	0.0	9,299
Idakho South	-	0.8	0.3	0.3	96.9	1.5	-	0.1	2,056
Idakho East	0.2	0.2	0.3	0.3	97.4	1.5	-	-	2,498
Idakho North	0.1	0.6	0.1	0.1	98.0	0.9	-	-	2,018
Idakho Central	0.2	1.9	0.2	0.4	95.4	1.8	0.0	0.0	2,727

Table 11.12: Lighting Fuel by County, Constituency and Wards

County/Constituency/Wards	Electricity	Pressure Lamp	Lantern	Tin Lamp	Gas Lamp	Fuelwood	Solar	Other	Households
Kenya	22.9	0.6	30.6	38.5	0.9	4.3	1.6	0.6	5,762,320
Rural	5.2	0.4	34.7	49.0	1.0	6.7	2.2	0.7	3,413,616
Urban	51.4	0.8	23.9	21.6	0.6	0.4	0.7	0.6	2,348,704
Kakamega County	5.5	0.5	28.2	63.9	0.8	0.4	0.7	0.1	228,905
Lugari Constituency	2.9	0.8	39.9	54.3	0.7	0.6	0.7	0.1	22,331
Mautuma	0.2	0.4	42.2	55.8	0.8	0.1	0.6	0.0	3,342
Lugari	1.6	0.8	40.3	55.5	0.6	0.1	0.6	0.4	4,168
Lumakanda	8.1	0.8	49.5	39.0	0.6	1.0	0.9	0.1	4,220
Chekalini	3.5	1.3	51.9	40.4	0.8	0.1	1.8	0.2	2,486
Chevaywa	1.9	1.0	27.3	67.9	0.7	0.9	0.3	0.0	4,571

Luandeti	1.4	0.7	32.8	62.8	0.4	1.2	0.5	0.1	3,544
Likuyani Constituency	6.2	0.7	50.4	40.2	0.5	0.4	1.5	0.2	16,819
Likuyani	7.7	0.5	52.3	37.4	0.4	0.1	1.4	0.2	3,799
Sango	0.9	0.6	46.7	48.4	0.7	1.0	1.2	0.5	2,860
Kongoni	6.5	0.7	52.7	37.1	0.4	0.8	1.7	0.2	3,151
Nzoia	10.8	0.9	47.6	38.4	0.6	0.1	1.4	0.3	4,127
Sinoko	2.3	0.7	53.0	41.4	0.7	0.3	1.6	0.1	2,882
Malava Constituency	2.0	0.5	25.8	69.8	0.7	0.3	0.7	0.1	28,043
West Kabras	0.1	0.2	12.4	86.2	0.6	0.2	0.2	0.1	3,546
Chemuche	4.4	0.5	31.7	61.5	0.6	0.2	0.8	0.2	3,958
East Kabras	1.1	0.2	24.3	72.6	0.9	0.1	0.7	0.1	3,081
Butali/Chegulo	2.1	1.1	29.1	65.7	0.9	0.3	0.7	0.1	4,390
Manda/Shivanga	0.4	0.6	27.0	70.2	0.9	0.2	0.5	0.1	4,115
Shirugu/Mugai	2.5	0.4	28.0	67.3	0.7	0.2	0.8	0.1	3,344
South Kabras	3.0	0.2	25.8	68.6	0.5	0.8	0.9	0.1	5,609
Lurambi Constituency	21.6	0.6	32.7	43.2	0.4	0.3	0.8	0.3	25,444
Butsotso East	2.2	0.5	30.4	65.1	0.3	0.1	1.4	0.1	3,403
South Butsotso	4.3	0.5	25.9	68.0	0.4	0.1	0.7	0.1	2,341
Central Butsotso	6.1	0.5	32.8	57.8	0.6	0.5	1.5	0.1	3,650
Shieywe	30.8	0.9	38.4	28.3	0.3	0.2	0.6	0.6	9,295
Mahiakalo	31.4	0.7	27.6	38.5	0.3	0.3	0.6	0.5	1,844
Shirere	34.7	0.5	29.6	33.5	0.5	0.4	0.5	0.3	4,911
Navakholo Constituency	1.7	0.3	19.1	77.1	1.0	0.2	0.5	0.0	17,696
Ingotse-Matiha	3.2	0.3	17.7	76.6	1.2	0.4	0.4	0.2	3,073
Shinoyi-Shikomari-Esumeiya	1.7	0.3	18.8	77.3	1.0	0.1	0.8	0.0	3,500
Bunyala West	1.2	0.3	14.7	82.5	0.9	0.1	0.3	0.0	4,602
Bunyala East	1.0	0.3	21.1	75.7	1.3	0.2	0.4	0.0	3,018
Bunyala Central	1.8	0.3	24.6	71.6	0.9	0.2	0.5	0.0	3,503
Mumias West Constituency	12.8	0.6	20.8	64.4	0.6	0.2	0.4	0.2	17,209
Mumias Central	12.7	1.1	28.3	56.6	0.5	0.1	0.3	0.5	6,291
Mumias North	50.3	0.6	17.5	31.1	0.2	0.1	0.2	0.1	3,060
Etenje	0.8	0.3	14.6	82.5	0.7	0.5	0.6	0.0	3,744
Musanda	1.6	0.2	17.9	79.1	0.7	0.1	0.5	0.1	4,114
Mumias East Constituency	1.7	0.5	21.8	73.8	1.0	0.7	0.6	0.0	13,865
Lusheya/Lubinu	2.0	0.6	20.8	74.8	1.0	0.3	0.4	0.1	5,333
Malaha/Isongo/Makunga	1.8	0.4	18.5	76.2	0.7	1.8	0.6	0.0	4,086
East Wanga	1.4	0.3	26.0	70.2	1.2	0.1	0.6	0.0	4,446
Matungu Constituency	1.2	0.3	21.5	75.4	0.8	0.4	0.3	0.1	20,053
Koyonzo	0.8	0.5	22.5	74.0	1.0	0.9	0.2	0.0	4,806
Kholera	1.8	0.2	24.0	72.6	0.8	0.1	0.3	0.1	3,845
Khalaba	0.2	0.1	16.7	81.8	0.6	0.4	0.0	0.0	2,663
Mayoni	2.4	0.2	22.6	72.6	1.2	0.2	0.6	0.2	4,499
Namamali	0.5	0.3	19.7	78.3	0.5	0.2	0.5	0.0	4,240
Butere Constituency	2.9	0.4	20.5	74.2	0.8	0.3	0.8	0.1	19,365
Marama West	2.1	0.4	21.2	74.4	0.7	0.4	0.9	0.0	4,453
Marama Central	5.6	0.3	17.8	74.8	0.7	0.1	0.5	0.2	6,271
Marenyo/Shianda	0.6	0.7	21.1	74.9	0.8	0.5	1.0	0.3	3,064
Marama North	2.6	0.5	21.5	73.5	0.8	0.5	0.6	0.0	2,956

Marama South	1.2	0.3	23.7	72.5	0.8	0.1	1.3	0.1	2,621
Khwiseri Constituency	1.7	0.3	21.6	74.1	0.9	0.4	1.0	0.0	13,476
Kisa North	1.8	0.2	22.9	73.2	0.7	0.1	1.0	0.0	2,535
Kisa East	0.7	0.6	21.2	74.8	1.1	0.6	1.0	0.1	2,522
Kisa West	1.4	0.2	18.3	77.8	0.7	0.2	1.3	0.0	2,785
Kisa Central	2.4	0.3	22.9	72.2	0.9	0.5	0.8	0.0	5,634
Shinyalu Constituency	4.3	0.4	31.6	61.4	0.8	0.6	0.7	0.1	21,274
Isukha North	7.1	0.4	41.6	49.6	0.5	0.1	0.7	0.0	3,281
Murhanda	2.5	0.4	26.9	66.9	0.7	1.8	0.7	0.1	3,884
Isukha Central	3.4	0.5	32.2	61.6	1.0	0.2	0.9	0.1	4,417
Isukha South	6.5	0.4	27.5	63.1	1.0	0.8	0.5	0.3	4,636
Isukha East	0.9	0.3	34.5	62.7	0.6	0.2	0.8	0.0	2,503
Isukha West	4.8	0.6	30.9	62.3	0.7	0.2	0.6	0.1	2,553
Ikolomani Constituency	2.9	0.4	28.7	65.6	1.3	0.2	0.8	0.0	13,330
Idakho South	1.9	0.3	23.5	71.0	2.3	0.2	0.8	0.0	2,506
Idakho East	2.9	0.3	37.0	56.9	1.5	0.3	1.0	0.0	3,375
Idakho North	2.2	0.4	25.8	69.8	0.9	0.2	0.7	0.0	3,467
Idakho Central	4.3	0.4	27.5	66.1	0.8	0.2	0.6	0.1	3,982

Table 11.13: Lighting Fuel for Male Headed Households by County, Constituency and Wards

County/Constituency/ Wards	Electricity	Pressure Lamp	Lantern	Tin Lamp	Gas Lamp	Fuelwood	Solar	Other	Households
Kenya	24.6	0.6	30.4	36.8	0.9	4.2	1.7	0.7	5,762,320
Rural	5.6	0.5	35.3	47.5	1.1	6.8	2.4	0.7	3,413,616
Urban	52.4	0.9	23.3	21.2	0.6	0.4	0.7	0.7	2,348,704
Kakamega County	5.9	0.5	28.2	63.4	0.8	0.4	0.8	0.2	228,905
Lugari Constituency	3.0	0.8	39.2	54.9	0.6	0.6	0.7	0.2	22,331
Mautuma	0.1	0.4	43.0	55.4	0.6	0.2	0.4	0.0	3,342
Lugari	1.7	0.8	39.2	56.5	0.7	0.1	0.5	0.5	4,168
Lumakanda	8.2	0.9	48.9	39.4	0.6	1.0	0.8	0.2	4,220
Chekalini	3.9	1.4	51.2	40.2	0.7	0.2	2.2	0.2	2,486
Chevaywa	2.0	0.9	26.8	68.5	0.7	0.9	0.3	0.0	4,571
Luandeti	1.6	0.7	31.8	63.8	0.5	1.1	0.5	0.1	3,544
Likuyani Constituency	6.5	0.6	50.0	40.0	0.6	0.5	1.6	0.3	16,819
Likuyani	7.8	0.5	51.8	37.6	0.5	0.1	1.6	0.2	3,799
Sango	0.9	0.7	45.9	49.0	0.6	1.2	1.3	0.5	2,860
Kongoni	6.4	0.6	52.5	36.9	0.4	0.8	2.1	0.2	3,151
Nzoia	11.9	0.8	47.7	37.1	0.5	0.2	1.4	0.4	4,127
Sinoko	2.5	0.6	52.2	41.6	0.7	0.3	1.9	0.1	2,882
Malava Constituency	2.1	0.5	25.3	70.2	0.8	0.4	0.7	0.1	28,043
West Kabras	0.1	0.1	12.2	86.3	0.7	0.2	0.3	0.1	3,546
Chemuche	4.3	0.5	30.3	62.9	0.7	0.2	0.8	0.2	3,958
East Kabras	1.0	0.1	23.5	73.5	1.0	0.1	0.6	0.1	3,081
Butali/Chegulo	2.3	1.0	28.1	66.5	1.0	0.4	0.7	0.1	4,390
Manda/Shivanga	0.4	0.7	27.3	69.6	1.0	0.3	0.6	0.1	4,115
Shirugu/Mugai	2.5	0.4	28.4	67.0	0.6	0.2	0.9	0.1	3,344
South Kabras	3.3	0.3	25.4	68.9	0.5	0.9	0.8	0.0	5,609
Lurambi Constituency	21.5	0.7	32.6	43.2	0.4	0.3	0.9	0.4	25,444

Butsotso East	2.1	0.5	30.6	64.8	0.3	0.1	1.5	0.1	3,403
South Butsotso	4.7	0.5	25.9	67.5	0.6	0.0	0.8	0.0	2,341
Central Butsotso	5.6	0.6	33.0	58.0	0.6	0.5	1.6	0.1	3,650
Shieywe	30.4	0.9	38.1	28.9	0.3	0.2	0.6	0.6	9,295
Mahiakalo	29.9	0.8	26.8	40.2	0.4	0.4	0.8	0.6	1,844
Shirere	34.9	0.5	28.8	34.0	0.4	0.4	0.5	0.4	4,911
Navakholo Constituency	1.8	0.3	19.3	76.9	1.1	0.2	0.5	0.1	17,696
Ingotse-Matiha	3.0	0.3	16.2	78.4	1.1	0.5	0.4	0.2	3,073
Shinoyi-Shikomari-Esumeiya	1.5	0.2	19.1	76.9	1.2	0.1	0.9	0.0	3,500
Bunyala West	1.3	0.3	15.9	81.1	1.0	0.1	0.3	0.0	4,602
Bunyala East	1.1	0.3	21.4	75.2	1.4	0.1	0.4	0.1	3,018
Bunyala Central	2.1	0.2	25.0	71.4	0.7	0.2	0.5	0.0	3,503
Mumias West Constituency	14.6	0.6	20.7	62.8	0.5	0.1	0.4	0.2	17,209
Mumias Central	13.0	1.1	27.2	57.1	0.6	0.1	0.3	0.5	6,291
Mumias North	52.6	0.6	16.4	29.8	0.2	0.1	0.2	0.1	3,060
Etenje	0.6	0.2	15.4	82.1	0.7	0.3	0.6	0.1	3,744
Musanda	1.7	0.2	18.5	78.3	0.6	0.0	0.5	0.1	4,114
Mumias East Constituency	1.7	0.5	21.8	73.7	1.0	0.7	0.6	0.0	13,865
Lusheya/Lubinu	2.2	0.7	20.6	74.6	1.1	0.3	0.5	0.0	5,333
Malaha/Isono/Makunga	1.3	0.4	18.3	76.7	0.9	1.9	0.6	0.0	4,086
East Wanga	1.5	0.4	26.3	69.9	1.0	0.2	0.8	0.0	4,446
Matungu Constituency	1.3	0.3	21.5	75.2	0.8	0.4	0.4	0.1	20,053
Koyonzo	0.9	0.5	22.2	73.9	1.0	1.1	0.3	0.0	4,806
Kholera	1.9	0.2	24.1	72.5	0.8	0.1	0.3	0.2	3,845
Khalaba	0.3	0.1	17.5	81.1	0.6	0.5	0.0	0.0	2,663
Mayoni	2.6	0.3	23.1	71.8	1.2	0.2	0.7	0.1	4,499
Namamali	0.4	0.3	19.2	78.9	0.4	0.2	0.4	0.0	4,240
Butere Constituency	2.9	0.5	21.1	73.4	0.7	0.3	0.9	0.1	19,365
Marama West	1.9	0.4	22.2	73.5	0.7	0.3	1.0	0.0	4,453
Marama Central	5.6	0.4	17.9	74.5	0.8	0.1	0.6	0.2	6,271
Marenyo/Shianda	0.6	0.8	22.1	73.7	0.6	0.6	1.2	0.4	3,064
Marama North	2.8	0.6	22.5	72.0	0.8	0.5	0.6	0.1	2,956
Marama South	1.2	0.3	24.0	72.1	0.7	0.2	1.5	0.1	2,621
Khwisero Constituency	2.1	0.3	22.2	72.8	0.9	0.4	1.2	0.1	13,476
Kisa North	2.1	0.2	23.5	72.3	0.6	0.1	1.2	0.1	2,535
Kisa East	0.9	0.6	21.2	74.1	1.2	0.6	1.2	0.2	2,522
Kisa West	1.6	0.2	19.3	76.0	0.9	0.3	1.7	0.1	2,785
Kisa Central	3.0	0.3	23.5	70.9	0.9	0.4	0.9	0.0	5,634
Shinyalu Constituency	4.7	0.5	31.6	61.0	0.7	0.6	0.8	0.2	21,274
Isukha North	8.1	0.5	40.1	50.0	0.5	0.1	0.7	0.0	3,281
Murhanda	2.8	0.5	27.0	66.4	0.6	1.8	0.7	0.1	3,884
Isukha Central	3.9	0.4	32.0	61.4	0.8	0.2	1.0	0.1	4,417
Isukha South	6.4	0.6	27.7	62.6	0.8	0.7	0.7	0.4	4,636
Isukha East	1.1	0.2	33.9	63.2	0.6	0.2	0.8	0.0	2,503
Isukha West	4.9	0.7	31.9	60.9	0.7	0.2	0.7	0.1	2,553
Ikolomani Constituency	3.3	0.4	28.9	65.0	1.3	0.2	0.9	0.1	13,330
Idakho South	2.0	0.3	23.3	70.9	2.2	0.1	1.1	0.1	2,506

Idakho East	3.4	0.3	37.0	56.5	1.4	0.3	1.1	0.1	3,375
Idakho North	2.5	0.4	26.4	68.9	0.8	0.2	0.7	0.1	3,467
Idakho Central	4.6	0.6	27.6	65.2	0.9	0.3	0.8	0.1	3,982

Table 11.14: Lighting Fuel for Female Headed Households by County, Constituency and Wards

County/Constituency/ Wards	Electricity	Pressure Lamp	Lantern	Tin Lamp	Gas Lamp	Fuelwood	Solar	Other	Households
Kenya	19.2	0.5	31.0	42.1	0.8	4.5	1.4	0.5	2,731,060
Rural	4.5	0.4	33.7	51.8	0.8	6.5	1.8	0.5	1,826,263
Urban	48.8	0.8	25.4	22.6	0.7	0.6	0.6	0.5	904,797
Kakamega County	4.7	0.4	28.1	64.9	0.8	0.4	0.6	0.1	120,830
Lugari Constituency	2.6	0.8	41.3	53.1	0.7	0.6	0.8	0.1	10,920
Mautuma	0.2	0.4	40.5	56.7	1.1	0.1	0.9	-	1,692
Lugari	1.6	0.7	42.5	53.5	0.5	0.1	0.7	0.4	2,024
Lumakanda	7.7	0.7	50.7	38.3	0.7	0.9	1.0	0.0	2,099
Chekalini	2.6	1.0	53.3	40.7	1.0	0.1	1.2	0.1	1,322
Chevaywa	1.8	1.3	28.6	66.5	0.7	0.8	0.3	0.1	1,993
Luandeti	1.2	0.5	34.8	60.9	0.3	1.6	0.7	-	1,790
Likuyani Constituency	5.6	0.7	51.0	40.5	0.5	0.3	1.1	0.2	8,871
Likuyani	7.6	0.4	53.4	37.1	0.2	0.1	1.1	0.3	1,905
Sango	0.7	0.5	48.3	47.3	0.8	0.7	1.2	0.4	1,578
Kongoni	6.6	0.8	52.9	37.4	0.3	0.8	0.9	0.1	1,717
Nzoia	8.8	1.0	47.4	40.7	0.7	0.0	1.2	0.2	2,255
Sinoko	2.0	0.7	54.5	41.0	0.6	0.2	0.9	-	1,416
Malava Constituency	1.9	0.5	26.9	68.9	0.6	0.3	0.7	0.1	12,010
West Kabras	0.2	0.2	12.9	85.9	0.5	0.2	0.1	-	1,472
Chemuche	4.6	0.6	34.8	58.3	0.4	0.2	0.9	0.2	1,779
East Kabras	1.4	0.4	25.9	70.4	0.6	0.2	1.0	-	1,380
Butali/Chegulo	1.6	1.3	31.3	63.8	0.8	0.3	0.7	0.2	1,966
Manda/Shivanga	0.3	0.5	26.3	71.7	0.6	0.1	0.4	-	1,815
Shirugu/Mugai	2.8	0.5	27.0	68.0	0.9	0.3	0.6	0.1	1,521
South Kabras	2.3	0.0	27.0	68.0	0.6	0.7	1.1	0.1	2,077
Lurambi Constituency	21.9	0.6	32.9	43.0	0.4	0.3	0.6	0.3	10,753
Butsotso East	2.3	0.4	29.9	65.8	0.1	0.2	1.3	-	1,343
South Butsotso	3.8	0.5	25.8	68.8	0.2	0.1	0.5	0.2	1,300
Central Butsotso	7.3	0.4	32.2	57.5	0.7	0.6	1.4	0.1	1,628
Shieywe	32.1	0.8	39.0	26.5	0.4	0.3	0.4	0.6	3,420

Mahiakalo	35.0	0.5	29.5	34.2	0.1	0.1	0.1	0.4	769
Shirere	34.3	0.4	31.4	32.4	0.6	0.5	0.3	0.1	2,293
Navakholo Constituency	1.6	0.4	18.7	77.6	1.0	0.2	0.5	0.0	9,411
Ingotse-Matiha	3.8	0.3	21.5	72.3	1.5	0.2	0.3	0.2	1,240
Shinoyi-Shikomari-Esumeiya	2.1	0.5	18.0	78.1	0.6	0.1	0.6	0.1	1,631
Bunyala West	1.0	0.3	12.9	84.7	0.8	0.1	0.3	-	2,876
Bunyala East	0.8	0.4	20.7	76.6	0.9	0.2	0.5	-	1,428
Bunyala Central	1.4	0.4	24.1	71.9	1.2	0.4	0.6	-	2,236
Mumias West Constituency	9.3	0.6	21.0	67.8	0.6	0.3	0.3	0.2	8,706
Mumias Central	11.9	0.9	30.5	55.5	0.4	0.1	0.2	0.4	2,957
Mumias North	42.4	0.5	20.8	35.2	0.4	0.1	0.3	0.1	926
Etenje	1.1	0.4	13.4	83.1	0.7	0.7	0.5	-	2,240
Musanda	1.4	0.3	16.8	80.3	0.8	0.1	0.3	0.0	2,583
Mumias East Constituency	1.8	0.4	21.9	73.9	0.9	0.6	0.4	0.1	7,283
Lusheya/Lubinu	1.5	0.6	21.3	75.3	0.8	0.2	0.2	0.1	2,613
Malaha/Isongo/Makunga	2.7	0.4	18.7	75.4	0.5	1.6	0.7	0.0	2,317
East Wanga	1.3	0.2	25.6	70.9	1.4	0.1	0.4	0.0	2,353
Matungu Constituency	1.1	0.3	21.4	75.8	0.8	0.3	0.3	0.1	10,433
Koyonzo	0.7	0.5	23.1	74.3	0.9	0.4	0.1	0.0	2,707
Kholera	1.8	0.2	23.9	72.8	0.9	0.2	0.3	0.1	1,993
Khalaba	0.2	0.2	15.4	83.2	0.5	0.4	-	-	1,361
Mayoni	2.0	0.1	21.4	74.5	1.2	0.1	0.4	0.2	2,133
Namamali	0.7	0.3	20.7	77.0	0.6	0.3	0.6	-	2,239
Butere Constituency	2.8	0.3	19.6	75.6	0.8	0.3	0.6	0.1	11,114
Marama West	2.4	0.2	19.1	76.3	0.7	0.5	0.6	0.0	2,206
Marama Central	5.4	0.2	17.6	75.6	0.6	0.2	0.3	0.2	3,314
Marenyo/Shianda	0.7	0.4	19.6	76.6	1.2	0.4	0.8	0.1	2,042
Marama North	2.2	0.2	19.7	76.1	0.8	0.5	0.4	-	1,671
Marama South	1.3	0.3	23.4	73.0	1.0	0.1	0.9	0.1	1,881
Khwisero Constituency	1.2	0.3	20.8	75.8	0.8	0.3	0.7	0.0	9,749
Kisa North	1.5	0.2	22.0	74.7	0.9	0.1	0.6	-	1,640
Kisa East	0.3	0.5	21.1	75.8	1.0	0.5	0.8	-	1,907
Kisa West	1.1	0.3	16.9	80.2	0.5	0.0	0.9	-	2,110
Kisa Central	1.5	0.2	22.2	74.0	0.9	0.5	0.6	0.0	4,092
Shinyalu Constituency	3.8	0.3	31.6	62.1	0.9	0.6	0.5	0.1	12,281

Isukha North	5.0	0.1	44.9	48.8	0.4	0.1	0.7	-	1,489
Murhanda	1.8	0.3	26.6	67.9	0.9	1.8	0.6	0.1	2,058
Isukha Central	2.6	0.6	32.6	62.1	1.1	0.3	0.7	0.1	2,796
Isukha South	6.5	0.1	27.0	63.8	1.2	0.8	0.3	0.2	2,995
Isukha East	0.7	0.5	35.5	61.9	0.6	0.1	0.6	-	1,337
Isukha West	4.6	0.3	29.5	64.4	0.7	0.1	0.4	0.1	1,606
Ikolomani Constituency	2.5	0.3	28.5	66.5	1.3	0.2	0.6	0.0	9,299
Idakho South	1.7	0.3	23.7	71.2	2.3	0.2	0.5	-	2,056
Idakho East	2.2	0.4	37.0	57.6	1.6	0.2	0.9	-	2,498
Idakho North	1.8	0.3	24.7	71.4	0.9	0.1	0.7	-	2,018
Idakho Central	3.8	0.3	27.2	67.5	0.6	0.0	0.4	0.1	2,727

Table 11.15: Main material of the Floor by County, Constituency and Wards

County/Constituency/ wards	Cement	Tiles	Wood	Earth	Other	Households
Kenya	41.2	1.6	0.7	56.0	0.5	8,493,380
Rural	22.1	0.3	0.7	76.5	0.4	5,239,879
Urban	71.8	3.5	0.9	23.0	0.8	3,253,501
Kakamega County	18.4	0.3	0.4	80.4	0.4	349,735
Lugari Constituency	16.2	0.3	0.3	83.1	0.1	33,251
Mautuma	10.7	0.2	0.3	88.8	0.0	5,034
Lugari	12.5	0.2	0.3	86.7	0.2	6,192
Lumakanda	28.7	0.4	0.6	70.1	0.2	6,319
Chekalini	19.9	0.7	0.5	78.8	0.1	3,808
Chevaywa	12.3	0.1	0.2	87.3	0.2	6,564
Luandeti	12.7	0.1	0.3	86.8	0.1	5,334
Likuyani Constituency	24.9	0.4	0.3	74.1	0.3	25,690
Likuyani	25.5	0.5	0.5	73.3	0.2	5,704
Sango	11.5	0.3	0.3	87.5	0.4	4,438
Kongoni	26.3	0.3	0.3	73.0	0.1	4,868
Nzoia	33.6	0.6	0.2	65.6	0.0	6,382
Sinoko	23.3	0.3	0.4	74.9	1.1	4,298
Malava Constituency	12.8	0.1	0.3	86.4	0.5	40,053
West Kabras	4.3	-	0.3	95.2	0.2	5,018
Chemuche	20.7	0.2	0.3	78.7	0.1	5,737
East Kabras	14.5	0.1	0.5	82.7	2.2	4,461
Butali/Chegulo	14.2	0.2	0.4	85.2	0.1	6,356
Manda/Shivanga	7.8	0.1	0.4	91.6	0.2	5,930
Shirugu/Mugai	12.2	0.1	0.1	87.5	0.1	4,865
South Kabras	14.4	0.1	0.2	84.6	0.7	7,686
Lurambi Constituency	45.9	1.1	0.4	52.0	0.6	36,197
Butsotso East	15.7	0.5	0.3	83.4	0.3	4,746
South Butsotso	14.4	0.1	0.2	85.1	0.1	3,641

Central Butsotso	21.4	0.5	0.3	77.3	0.5	5,278
Shieywe	68.6	1.7	0.3	28.4	1.0	12,715
Mahiakalo	46.3	2.4	0.7	48.6	1.9	2,613
Shirere	59.3	1.0	0.6	38.8	0.2	7,204
Navakholo Constituency	8.0	0.1	0.4	91.1	0.5	27,107
Ingotse-Matiha	8.7	0.2	0.2	90.6	0.3	4,313
Shinoyi-Shikomari-Esumeiya	8.6	0.0	0.3	90.9	0.2	5,131
Bunyala West	7.1	0.1	0.3	92.4	0.1	7,478
Bunyala East	6.6	0.1	0.5	92.5	0.2	4,446
Bunyala Central	9.0	0.2	0.6	88.7	1.5	5,739
Mumias West Constituency	32.7	0.5	0.5	65.9	0.4	25,915
Mumias Central	46.9	0.8	0.8	51.2	0.2	9,248
Mumias North	69.2	0.6	0.2	28.1	1.9	3,986
Etenje	9.5	0.2	0.5	89.7	0.1	5,984
Musanda	12.1	0.2	0.1	87.4	0.2	6,697
Mumias East Constituency	12.9	0.3	1.1	84.6	1.1	21,148
Lusheya/Lubinu	13.8	0.3	1.1	82.7	2.2	7,946
Malaha/Isongo/Makunga	11.3	0.2	2.0	85.9	0.6	6,403
East Wanga	13.5	0.3	0.3	85.7	0.2	6,799
Matungu Constituency	13.4	0.2	0.3	85.5	0.7	30,486
Koyonzo	12.2	0.3	0.3	87.1	0.2	7,513
Kholera	17.2	0.2	0.3	80.8	1.5	5,838
Khalaba	5.2	0.1	0.3	94.1	0.2	4,024
Mayoni	21.0	0.3	0.3	77.0	1.4	6,632
Namamali	8.5	0.1	0.3	91.0	0.1	6,479
Butere Constituency	12.4	0.3	0.4	86.7	0.2	30,479
Marama West	10.8	0.3	0.6	88.1	0.2	6,659
Marama Central	16.8	0.3	0.5	82.3	0.2	9,585
Marenyo/Shianda	8.1	0.2	0.4	91.1	0.2	5,106
Marama North	10.6	0.2	0.3	88.7	0.2	4,627
Marama South	12.2	0.2	0.5	86.9	0.2	4,502
Khwisero Constituency	10.8	0.2	0.5	88.3	0.2	23,225
Kisa North	9.4	0.1	0.4	89.6	0.4	4,175
Kisa East	9.8	0.1	0.3	89.4	0.4	4,429
Kisa West	12.1	0.2	1.0	86.5	0.2	4,895
Kisa Central	11.2	0.2	0.4	88.2	0.1	9,726
Shinyalu Constituency	14.3	0.3	0.5	84.6	0.4	33,555
Isukha North	22.7	0.3	0.2	76.7	0.1	4,770
Murhanda	9.3	0.3	0.3	90.1	0.1	5,942
Isukha Central	13.5	0.2	0.5	84.5	1.3	7,213
Isukha South	15.5	0.4	0.6	83.4	0.1	7,631
Isukha East	12.6	0.1	0.4	86.8	0.2	3,840
Isukha West	12.3	0.6	0.7	86.2	0.2	4,159
Ikolomani Constituency	10.6	0.2	0.4	88.6	0.1	22,629
Idakho South	10.2	0.2	0.3	89.2	0.1	4,562
Idakho East	11.2	0.2	0.5	88.0	0.1	5,873
Idakho North	9.8	0.2	0.4	89.5	0.1	5,485
Idakho Central	10.9	0.3	0.5	88.2	0.1	6,709

Table 11.16: Main Material of the Floor in Male and Female Headed Households by County, Constituency and Ward

County/Constituency/ wards	Cement	Tiles	Wood	Earth	Other	Households	Cement	Tiles	Wood	Earth	Other	Households
Kenya	42.8	1.6	0.8	54.2	0.6	5,762,320	37.7	1.4	0.7	59.8	0.5	2,731,060
Rural	22.1	0.3	0.7	76.4	0.4	3,413,616	22.2	0.3	0.6	76.6	0.3	1,826,263
Urban	72.9	3.5	0.9	21.9	0.8	2,348,704	69.0	3.6	0.9	25.8	0.8	904,797
Kakamega County	18.4	0.3	0.4	80.4	0.4	228,905	18.4	0.3	0.5	80.5	0.4	120,830
Lugari Constituency	15.5	0.3	0.3	83.7	0.1	22,331	17.5	0.3	0.3	81.8	0.1	10,920
Mautuma	10.3	0.2	0.3	89.3	0.0	3,342	11.6	0.1	0.2	88.0	0.1	1,692
Lugari	12.1	0.3	0.4	87.0	0.2	4,168	13.4	0.1	0.1	86.1	0.2	2,024
Lumakanda	28.4	0.4	0.6	70.5	0.2	4,220	29.3	0.6	0.6	69.5	0.0	2,099
Chekalinii	19.2	0.8	0.4	79.5	0.2	2,486	21.1	0.5	0.8	77.5	0.1	1,322
Chevayawa	11.5	0.1	0.2	88.1	0.2	4,571	14.3	0.1	0.2	85.3	0.1	1,993
Luandeti	11.7	0.2	0.3	87.8	0.1	3,544	14.7	0.1	0.3	84.9	0.1	1,790
Likuyani Constituency	24.8	0.4	0.3	74.1	0.4	16,819	24.9	0.4	0.3	74.1	0.2	8,871
Likuyani	25.4	0.6	0.4	73.5	0.2	3,799	25.8	0.4	0.6	73.1	0.1	1,905
Sango	11.3	0.2	0.3	87.7	0.4	2,860	11.7	0.4	0.3	87.1	0.4	1,578
Kongoni	26.2	0.3	0.3	73.0	0.1	3,151	26.3	0.2	0.2	73.0	0.2	1,717
Nzoia	33.9	0.6	0.3	65.1	0.1	4,127	32.9	0.5	0.2	66.4	-	2,255
Sinoko	22.8	0.3	0.5	75.2	1.3	2,882	24.2	0.3	0.4	74.5	0.6	1,416
Malava Constituency	11.5	0.1	0.3	87.6	0.5	28,043	15.8	0.1	0.3	83.5	0.3	12,010
West Kabras	3.9	-	0.3	95.7	0.2	3,546	5.4	-	0.3	94.2	0.1	1,472
Chemuche	18.2	0.2	0.4	81.2	0.1	3,968	26.3	0.1	0.3	73.1	0.2	1,779
East Kabras	11.9	0.1	0.4	85.2	2.4	3,081	20.3	0.1	0.7	77.1	1.8	1,380
Butalil/Chegulu	12.9	0.2	0.4	86.4	0.1	4,390	16.9	0.1	0.4	82.6	0.1	1,996
Manda/Shivanga	6.9	0.1	0.6	92.2	0.2	4,115	9.9	0.1	0.1	90.0	-	1,815
Shirugu/Mugai	11.3	0.1	0.1	88.4	0.1	3,344	14.2	0.1	0.1	85.5	0.1	1,521
South Kabras	13.6	0.1	0.2	85.3	0.8	5,609	16.5	0.0	0.3	82.7	0.4	2,077
Lurambi Constituency	45.7	1.1	0.4	52.2	0.7	25,444	46.4	1.1	0.3	51.6	0.6	10,753
Butsotso East	15.0	0.4	0.2	84.1	0.3	3,403	17.3	0.6	0.3	81.6	0.1	1,343
South Butsotso	14.1	0.2	0.3	85.3	0.1	2,341	14.9	0.1	0.2	84.6	0.2	1,300

Central Butsotso	19.9	0.4	0.3	78.9	0.5	3,650		24.9	0.5	0.3	73.9	0.4	1,628
Shieywe	68.1	1.7	0.3	28.8	1.0	9,295		70.0	1.6	0.3	27.3	0.9	3,420
Mahikalo	45.0	2.2	0.9	50.1	1.9	1,844		49.4	3.1	0.4	45.1	2.0	769
Shire	58.9	0.9	0.7	39.3	0.2	4,911		60.4	1.1	0.4	37.9	0.3	2,293
Navakholo Constituency	7.3	0.1	0.4	91.8	0.4	17,696		9.1	0.1	0.5	89.7	0.6	9,411
Ingoise-Matiha	7.6	0.2	0.2	91.8	0.3	3,073		11.5	0.2	0.2	87.8	0.2	1,240
Shinyoyi-Shikomari-Esumeyia	7.7	-	0.2	91.9	0.1	3,500		10.4	0.1	0.6	88.6	0.3	1,631
Bunyala West	6.5	0.1	0.3	93.0	0.0	4,602		8.0	0.1	0.4	91.3	0.2	2,876
Bunyala East	6.0	0.1	0.6	93.1	0.2	3,018		7.8	-	0.5	91.3	0.4	1,428
Bunyala Central	8.9	0.2	0.6	88.8	1.5	3,503		9.1	0.3	0.6	88.5	1.6	2,236
Mumias West Constituency	34.7	0.5	0.4	63.9	0.5	17,209		28.8	0.5	0.5	69.8	0.3	8,706
Mumias Central	47.6	0.8	0.8	50.7	0.1	6,291		45.6	0.9	0.8	52.4	0.3	2,957
Mumias North	72.0	0.6	0.1	25.3	2.1	3,060		60.3	0.8	0.3	37.4	1.3	926
Etenje	8.5	0.3	0.4	90.8	0.1	3,744		11.3	0.1	0.7	87.8	0.1	2,240
Musanda	11.2	0.2	0.1	88.4	0.1	4,114		13.7	0.2	0.1	85.8	0.3	2,583
Mumias East Constituency	11.7	0.2	1.1	85.8	1.1	13,865		15.3	0.4	1.0	82.3	1.0	7,283
Lushteyal/Lubinu	12.9	0.2	1.1	83.5	2.2	5,333		15.5	0.3	1.0	81.2	2.1	2,613
Malahaisongo/Makungu	9.5	0.1	2.1	87.6	0.6	4,086		14.5	0.4	1.7	82.7	0.6	2,317
East Wang'a	12.3	0.2	0.2	87.0	0.2	4,446		15.8	0.4	0.5	83.2	0.1	2,353
Matungu Constituency	12.9	0.2	0.2	86.0	0.8	20,053		14.3	0.2	0.4	84.6	0.5	10,433
Koyonzo	11.5	0.3	0.2	87.8	0.2	4,806		13.3	0.2	0.3	86.0	0.1	2,707
Kholera	16.0	0.2	0.2	81.9	1.6	3,845		19.5	0.3	0.3	78.7	1.3	1,993
Khalabba	4.6	0.1	0.2	95.0	0.1	2,663		6.4	0.2	0.7	92.4	0.3	1,361
Mayoni	21.4	0.3	0.2	76.5	1.6	4,499		20.3	0.2	0.4	78.1	1.0	2,133
Namamali	7.7	0.1	0.2	91.8	0.2	4,240		9.9	0.0	0.4	89.6	0.1	2,239
Butere Constituency	11.7	0.2	0.5	87.3	0.2	19,365		13.6	0.3	0.4	85.6	0.2	11,114
Marama West	9.9	0.3	0.6	88.9	0.2	4,453		12.5	0.4	0.5	86.5	0.2	2,206
Marama Central	15.7	0.3	0.5	83.4	0.2	6,271		19.0	0.4	0.4	80.1	0.1	3,314
Marenyo/Shianda	8.0	0.3	0.4	91.3	0.1	3,064		8.4	-	0.4	91.0	0.2	2,042
Marama North	10.3	0.2	0.3	89.0	0.2	2,956		11.3	0.2	0.2	88.2	0.1	1,671

Marama South	11.4	0.2	0.7	87.6	0.2	2,621		13.2	0.2	0.2	86.0	0.3	1,881
Khwisero Constituency	11.0	0.2	0.4	88.2	0.2	13,476		10.6	0.1	0.6	88.5	0.2	9,749
Kisa North	10.1	0.2	0.5	88.8	0.4	2,535		8.4	-	0.4	90.9	0.4	1,640
Kisa East	9.7	0.2	0.2	89.5	0.3	2,522		9.9	0.1	0.5	89.2	0.4	1,907
Kisa West	12.0	0.2	0.9	86.7	0.2	2,785		12.1	0.2	1.2	86.4	0.1	2,110
Kisa Central	11.5	0.1	0.3	88.0	0.1	5,634		10.9	0.2	0.5	88.3	0.0	4,092
Shinyalu Constituency	14.4	0.3	0.4	84.5	0.3	21,274		14.0	0.3	0.5	84.8	0.5	12,281
Isukha North	23.0	0.2	0.3	76.5	0.1	3,281		22.2	0.4	0.1	77.2	0.1	1,489
Murhanda	9.2	0.3	0.2	90.2	0.1	3,884		9.4	0.2	0.4	89.8	0.0	2,058
Isukha Central	13.7	0.2	0.4	84.4	1.2	4,417		13.2	0.2	0.6	84.7	1.4	2,796
Isukha South	15.5	0.4	0.6	83.4	0.1	4,636		15.6	0.4	0.5	83.4	0.1	2,995
Isukha East	12.3	0.1	0.4	87.1	0.1	2,503		12.9	-	0.5	86.2	0.3	1,337
Isukha West	12.9	0.5	0.7	85.8	0.1	2,553		11.4	0.7	0.7	86.9	0.4	1,606
Ikolomani Constituency	10.7	0.3	0.5	88.4	0.1	13,330		10.3	0.2	0.4	88.9	0.1	9,299
Idakho South	10.0	0.3	0.4	89.3	0.0	2,506		10.4	0.2	0.2	89.1	0.1	2,056
Idakho East	11.6	0.1	0.7	87.5	0.1	3,375		10.7	0.2	0.3	88.6	0.2	2,498
Idakho North	9.9	0.3	0.3	89.5	0.1	3,467		9.7	0.1	0.5	89.5	0.1	2,018
Idakho Central	11.2	0.4	0.6	87.8	0.1	3,982		10.5	0.2	0.5	88.7	0.1	2,727

Table 11.17: Main Roofing Material by County Constituency and Wards

County/Constituency/ Wards	Corrugated Iron Sheets	Tiles	Concrete	Asbestos sheets	Grass	Makuti	Tin	Mud/Dung	Other	Households
Kenya	73.5	2.2	3.6	2.2	13.3	3.2	0.3	0.8	1.0	8,493,380
Rural	70.3	0.7	0.2	1.8	20.2	4.2	0.2	1.2	1.1	5,239,879
Urban	78.5	4.6	9.1	2.9	2.1	1.5	0.3	0.1	0.9	3,253,501
Kakamega County	76.6	0.6	0.1	2.4	19.9	0.1	0.2	0.0	0.1	349,735
Lugari Constituency	81.1	0.6	0.1	2.9	15.1	0.1	0.1	0.0	0.1	33,251
Mautuma	84.3	0.4	0.1	3.3	11.7	0.1	0.0	0.0	0.0	5,034
Lugari	85.2	0.7	0.2	2.3	11.4	0.1	0.0	0.1	0.0	6,192
Lumakanda	93.5	0.6	0.1	2.6	2.6	0.0	0.2	0.1	0.3	6,319
Chekalini	89.6	0.7	0.1	3.8	5.7	0.1	0.0	0.0	0.0	3,808
Chevaywa	60.5	0.6	0.0	3.1	35.6	0.0	0.0	0.0	0.1	6,564
Luandeti	77.7	0.3	0.0	2.5	19.3	0.0	0.0	0.0	0.2	5,334
Likuyani Constituency	90.3	0.7	0.2	1.7	6.7	0.1	0.3	0.0	0.1	25,690
Likuyani	91.5	0.8	0.0	0.3	7.1	0.1	0.0	0.0	0.2	5,704
Sango	86.7	0.7	0.0	0.1	12.1	0.2	0.0	0.0	0.3	4,438
Kongoni	91.1	0.5	0.0	2.9	4.1	0.0	1.2	0.0	0.1	4,868
Nzoia	94.7	0.7	0.4	0.1	3.9	0.1	0.0	0.0	0.0	6,382
Sinoko	85.1	0.8	0.2	6.1	7.5	0.0	0.1	0.0	0.1	4,298
Malava Constituency	57.7	0.3	0.1	3.7	37.9	0.0	0.0	0.0	0.2	40,053
West Kabras	42.5	0.3	0.1	2.1	55.0	0.0	0.0	0.0	0.0	5,018
Chemuche	63.2	0.4	0.1	4.2	32.1	0.0	0.0	0.0	0.0	5,737
East Kabras	59.4	0.1	0.0	2.1	38.4	0.0	0.0	0.0	0.0	4,461
Butali/Chegulo	68.8	0.5	0.1	1.4	29.2	0.0	0.0	0.0	0.0	6,356
Manda/Shivanga	51.7	0.5	0.0	10.2	36.0	0.0	0.0	0.0	1.6	5,930
Shirugu/Mugai	53.8	0.2	0.0	1.8	43.7	0.1	0.3	0.0	0.0	4,865
South Kabras	60.6	0.2	0.1	3.3	35.7	0.0	0.0	0.1	0.0	7,686
Lurambi Constituency	90.1	1.0	0.6	1.8	6.0	0.0	0.1	0.1	0.3	36,197
Butsotso East	81.9	0.5	0.1	0.2	17.0	0.1	0.0	0.0	0.2	4,746
South Butsotso	81.6	0.8	0.0	1.1	16.3	0.0	0.1	0.1	0.0	3,641
Central Butsotso	88.5	0.5	0.1	0.2	10.6	0.1	0.0	0.0	0.0	5,278
Shieywe	94.8	0.6	1.3	1.5	0.8	0.0	0.0	0.2	0.7	12,715
Mahiakalo	89.3	2.7	0.7	4.4	2.3	0.1	0.0	0.0	0.4	2,613
Shirere	92.8	1.7	0.2	4.1	0.8	0.1	0.1	0.1	0.0	7,204
Navakholo Constituency	66.5	0.5	0.1	2.0	30.8	0.2	0.0	0.0	0.0	27,107
Ingots-Matiha	65.8	0.5	0.0	0.5	33.1	0.0	0.0	0.0	0.0	4,313
Shinoyi-Shikomari-Esumeiya	69.1	0.7	0.0	5.6	24.5	0.0	0.0	0.0	0.1	5,131
Bunyala West	70.4	0.5	0.0	0.6	28.4	0.0	0.0	0.0	0.0	7,478
Bunyala East	60.2	0.3	0.0	0.0	39.3	0.0	0.0	0.0	0.1	4,446
Bunyala Central	64.4	0.6	0.1	3.1	31.0	0.6	0.0	0.1	0.0	5,739
Mumias West Constituency	75.1	0.4	0.2	4.0	19.6	0.0	0.3	0.0	0.3	25,915
Mumias Central	88.0	0.5	0.3	2.0	8.2	0.0	0.9	0.1	0.0	9,248
Mumias North	78.3	0.4	0.2	18.2	1.2	0.0	0.1	0.0	1.7	3,986
Etenje	64.4	0.5	0.2	0.4	34.5	0.0	0.0	0.0	0.0	5,984
Musanda	64.9	0.4	0.0	1.5	33.1	0.0	0.0	0.0	0.0	6,697
Mumias East Constituency	75.5	0.4	0.1	2.1	21.7	0.0	0.1	0.0	0.0	21,148
Lusheya/Lubinu	73.6	0.4	0.0	3.5	21.9	0.1	0.4	0.1	0.0	7,946

Malahi/Isongo/Makunga	76.2	0.4	0.0	2.5	20.7	0.0	0.0	0.0	0.0	6,403
East Wanga	77.1	0.5	0.1	0.0	22.2	0.0	0.0	0.0	0.0	6,799
Matungu Constituency	63.8	0.6	0.0	0.7	33.8	0.1	0.7	0.1	0.2	30,486
Koyonzo	53.4	0.7	0.1	0.3	44.1	0.0	1.4	0.0	0.0	7,513
Kholera	76.9	0.6	0.0	0.4	20.3	0.1	1.1	0.0	0.6	5,838
Khalaba	66.0	1.0	0.0	0.1	32.2	0.0	0.6	0.1	0.0	4,024
Mayoni	70.7	0.5	0.0	2.1	25.3	0.4	0.3	0.2	0.5	6,632
Namamali	55.8	0.4	0.0	0.2	43.5	0.0	0.0	0.0	0.0	6,479
Butere Constituency	74.4	0.5	0.1	1.7	23.1	0.0	0.0	0.0	0.0	30,479
Marama West	74.7	0.4	0.0	2.6	22.0	0.0	0.0	0.0	0.0	6,659
Marama Central	71.4	0.5	0.3	3.4	24.4	0.0	0.0	0.0	0.0	9,585
Marenyo/Shianda	77.2	0.8	0.1	0.1	21.7	0.0	0.1	0.0	0.0	5,106
Marama North	80.5	0.5	0.1	0.1	18.5	0.1	0.1	0.1	0.0	4,627
Marama South	70.6	0.4	0.1	0.5	28.4	0.0	0.0	0.0	0.0	4,502
Khwisero Constituency	82.1	0.6	0.1	1.4	15.2	0.2	0.4	0.0	0.0	23,225
Kisa North	81.2	0.5	0.1	5.2	12.7	0.1	0.1	0.0	0.0	4,175
Kisa East	83.2	0.5	0.1	0.2	13.5	0.7	1.9	0.0	0.0	4,429
Kisa West	75.0	0.8	0.1	0.1	23.9	0.0	0.0	0.0	0.0	4,895
Kisa Central	85.5	0.6	0.1	0.9	12.7	0.1	0.0	0.1	0.0	9,726
Shinyalu Constituency	79.9	0.6	0.1	3.7	15.5	0.1	0.1	0.0	0.0	33,555
Isukha North	70.3	0.5	0.1	2.2	26.8	0.0	0.1	0.0	0.1	4,770
Murhanda	83.7	0.7	0.1	1.4	14.0	0.1	0.0	0.0	0.0	5,942
Isukha Central	79.0	0.6	0.0	4.3	15.8	0.0	0.0	0.1	0.1	7,213
Isukha South	91.4	0.8	0.3	2.3	5.0	0.1	0.0	0.0	0.0	7,631
Isukha East	56.3	0.6	0.1	7.0	36.0	0.1	0.1	0.0	0.0	3,840
Isukha West	87.9	0.5	0.0	6.8	4.4	0.0	0.3	0.0	0.0	4,159
Ikolomani Constituency	90.1	0.6	0.1	2.3	6.7	0.2	0.0	0.0	0.0	22,629
Idakho South	92.3	0.5	0.0	0.3	6.3	0.5	0.0	0.0	0.0	4,562
Idakho East	88.6	0.9	0.1	4.2	6.0	0.2	0.0	0.1	0.0	5,873
Idakho North	89.0	0.5	0.0	2.6	7.8	0.0	0.0	0.0	0.0	5,485
Idakho Central	90.9	0.6	0.1	1.6	6.7	0.1	0.1	0.0	0.0	6,709

Table 11.18: Main Roofing Material in Male Headed Households by County, Constituency and Wards

County/Constituency/ Wards	Corrugated Iron Sheets	Tiles	Concrete	Asbestos sheets	Grass	Makuti	Tin	Mud/Dung	Other	Households
Kenya	73.0	2.3	3.9	2.3	13.5	3.2	0.3	0.5	1.0	5,762,320
Rural	69.2	0.8	0.2	1.8	21.5	4.4	0.2	0.9	1.1	3,413,616
Urban	78.5	4.6	9.3	2.9	2.0	1.4	0.3	0.1	0.9	2,348,704
Kakamega County	73.6	0.6	0.1	2.3	23.0	0.1	0.2	0.0	0.1	228,905
Lugari Constituency	78.9	0.5	0.1	2.8	17.4	0.1	0.1	0.0	0.1	22,331
Mautuma	82.6	0.4	0.1	3.4	13.4	0.1	-	-	0.0	3,342
Lugari	83.2	0.7	0.2	2.1	13.5	0.2	0.0	0.1	-	4,168
Lumakanda	92.7	0.5	0.1	2.5	3.2	0.0	0.3	0.1	0.4	4,220

Chekalini	88.1	0.7	0.1	3.7	7.4	0.1	-	-	-	2,486
Chevaywa	56.8	0.6	0.0	3.0	39.4	-	0.0	0.0	-	4,571
Luandeti	75.8	0.3	0.0	2.3	21.4	0.1	-	-	0.2	3,544
Likuyani Constituency	89.5	0.7	0.1	1.7	7.6	0.1	0.2	0.0	0.1	16,819
Likuyani	90.8	0.7	-	0.3	7.9	0.1	0.0	-	0.2	3,799
Sango	84.7	0.6	-	0.1	14.2	0.2	-	0.0	0.2	2,860
Kongoni	91.1	0.6	0.0	2.6	4.4	-	1.1	0.1	0.0	3,151
Nzoia	94.0	0.6	0.4	0.1	4.7	0.1	-	0.1	0.0	4,127
Sinoko	84.4	0.9	0.2	6.1	8.3	-	0.1	-	0.1	2,882
Malava Constituency	53.9	0.3	0.0	3.4	42.0	0.0	0.1	0.0	0.2	28,043
West Kabras	38.6	0.3	0.1	1.9	59.2	0.1	-	-	-	3,546
Chemuche	59.0	0.5	0.1	4.0	36.4	0.0	-	0.0	-	3,958
East Kabras	54.2	0.2	-	2.1	43.5	-	0.0	-	-	3,081
Butali/Chegulo	65.5	0.5	0.1	1.4	32.5	-	-	-	0.0	4,390
Manda/Shivanga	49.6	0.4	0.0	9.1	39.4	-	-	0.0	1.3	4,115
Shirugu/Mugai	49.3	0.3	-	1.8	48.1	0.1	0.4	-	-	3,344
South Kabras	56.9	0.2	0.0	2.9	39.9	0.0	-	0.1	-	5,609
Lurambi Constituency	89.1	1.0	0.6	1.7	7.1	0.0	0.1	0.1	0.3	25,444
Butsotso East	79.0	0.6	0.1	0.1	19.9	0.1	0.0	0.0	0.2	3,403
South Butsotso	78.4	0.7	-	1.0	19.6	0.0	0.0	0.1	-	2,341
Central Butsotso	86.0	0.7	0.1	0.1	13.0	0.1	-	0.1	-	3,650
Shieywe	94.8	0.6	1.2	1.5	0.9	0.0	0.1	0.2	0.7	9,295
Mahiakalo	89.4	2.4	0.8	4.2	2.4	0.1	0.1	0.1	0.6	1,844
Shirere	92.8	1.7	0.2	3.9	1.1	0.1	0.1	0.1	0.1	4,911
Navakholo Constituency	62.4	0.5	0.0	1.8	35.0	0.2	0.0	0.0	0.0	17,696
Ingotse-Matiha	60.7	0.6	0.0	0.2	38.3	0.1	0.0	0.1	-	3,073
Shinoyi-Shikomari-Esumeiya	65.4	0.6	-	5.0	28.9	0.1	-	-	0.1	3,500
Bunyala West	65.6	0.3	0.0	0.7	33.2	-	0.0	-	-	4,602
Bunyala East	56.6	0.4	0.1	0.1	42.9	0.0	-	-	0.0	3,018
Bunyala Central	61.6	0.6	0.1	3.1	33.7	0.7	0.1	0.1	-	3,503
Mumias West Constituency	72.7	0.4	0.2	4.6	21.3	0.0	0.4	0.1	0.3	17,209
Mumias Central	86.7	0.5	0.3	2.0	9.2	-	1.1	0.1	0.0	6,291
Mumias North	77.3	0.3	0.1	19.0	1.3	0.0	0.1	-	1.9	3,060
Etenje	59.7	0.3	0.2	0.5	39.2	0.0	0.0	0.0	-	3,744

Musanda	59.8	0.4	0.0	1.5	38.3	0.0	-	0.0	0.0	4,114
Mumias East Constituency	71.3	0.4	0.0	2.1	25.9	0.0	0.2	0.0	-	13,865
Lusheya/Lubinu	69.7	0.4	0.0	3.5	25.8	0.1	0.4	0.1	-	5,333
Malaha/Isongo/Makunga	72.5	0.3	-	2.5	24.5	0.0	-	0.0	-	4,086
East Wanga	72.0	0.4	0.1	0.0	27.4	0.0	0.0	-	-	4,446
Matungu Constituency	60.0	0.6	0.0	0.7	37.4	0.1	0.7	0.0	0.3	20,053
Koyonzo	49.7	0.7	0.1	0.4	47.6	0.0	1.6	0.0	-	4,806
Kholera	73.0	0.5	0.0	0.4	24.2	0.2	1.1	-	0.7	3,845
Khalaba	60.8	1.0	-	0.1	37.4	-	0.6	0.0	-	2,663
Mayoni	67.3	0.4	0.1	2.4	28.3	0.4	0.3	0.1	0.7	4,499
Namamali	51.7	0.5	-	0.2	47.4	0.0	0.0	0.0	0.0	4,240
Butere Constituency	70.0	0.5	0.1	1.7	27.5	0.1	0.0	0.0	0.0	19,365
Marama West	70.1	0.4	0.1	2.6	26.6	0.1	0.0	0.0	0.0	4,453
Marama Central	67.1	0.5	0.3	3.2	28.9	0.0	-	-	-	6,271
Marenyo/Shianda	72.4	0.8	0.1	0.0	26.6	-	0.1	-	-	3,064
Marama North	77.1	0.5	0.1	0.1	21.9	0.2	0.1	0.0	-	2,956
Marama South	65.9	0.2	0.0	0.5	33.3	0.0	-	0.0	0.0	2,621
Khwisero Constituency	78.3	0.5	0.1	1.4	19.0	0.2	0.3	0.0	0.0	13,476
Kisa North	78.0	0.5	0.2	5.2	16.0	0.2	0.0	-	-	2,535
Kisa East	79.2	0.4	0.0	0.2	17.8	0.8	1.5	-	0.0	2,522
Kisa West	69.9	0.6	0.2	0.1	29.2	0.0	-	-	-	2,785
Kisa Central	82.3	0.6	0.1	0.9	15.9	0.1	0.1	0.0	0.0	5,634
Shinyalu Constituency	77.7	0.7	0.1	3.4	18.0	0.1	0.1	0.0	0.0	21,274
Isukha North	67.5	0.5	0.1	1.9	29.8	0.0	0.1	-	0.1	3,281
Murhanda	82.1	0.6	0.1	1.3	15.7	0.1	0.1	-	-	3,884
Isukha Central	76.7	0.6	-	3.9	18.5	-	0.1	0.1	0.1	4,417
Isukha South	90.3	1.0	0.3	2.2	6.1	0.1	0.0	0.0	0.0	4,636
Isukha East	53.5	0.6	0.1	6.1	39.6	0.2	0.0	-	-	2,503
Isukha West	86.5	0.6	0.1	6.7	5.7	0.0	0.3	-	0.0	2,553
Ikolomani Constituency	88.5	0.6	0.1	2.1	8.5	0.2	0.0	0.0	0.0	13,330
Idakho South	90.5	0.6	0.1	0.3	8.1	0.4	0.0	-	-	2,506
Idakho East	86.7	0.9	0.1	4.2	7.6	0.3	-	0.1	-	3,375
Idakho North	87.7	0.4	-	2.1	9.7	-	0.0	-	0.0	3,467
Idakho Central	89.4	0.5	0.1	1.5	8.4	0.1	0.1	-	-	3,982

Table 11.19: Main Roofing Material in Female Headed Households by County, Constituency and Wards

County/Constituency/ Wards	Corrugated Iron Sheets	Tiles	Concrete	Asbestos sheets	Grass	Makuti	Tin	Mud/Dung	Other	Households
Kenya	74.5	2.0	3.0	2.2	12.7	3.2	0.3	1.2	1.0	2,731,060
Rural	72.5	0.7	0.1	1.8	17.8	3.9	0.3	1.8	1.1	1,826,263
Urban	78.6	4.5	8.7	2.9	2.3	1.6	0.3	0.1	0.9	904,797
Kakamega County	82.2	0.6	0.1	2.4	14.2	0.1	0.2	0.0	0.1	120,830
Lugari Constituency	85.6	0.6	0.1	3.1	10.5	0.0	0.0	0.0	0.1	10,920
Mautuma	87.9	0.4	0.1	3.3	8.2	0.1	0.1	-	-	1,692
Lugari	89.3	0.7	0.1	2.8	7.0	-	-	-	0.0	2,024
Lumakanda	95.1	0.6	0.1	2.6	1.2	0.0	-	0.0	0.3	2,099
Chekalini	92.6	0.8	0.1	4.1	2.5	-	-	-	-	1,322
Chevaywa	68.9	0.7	-	3.3	26.9	0.1	0.1	-	0.2	1,993
Luandeti	81.3	0.4	-	3.0	15.1	-	-	-	0.2	1,790
Likuyani Constituency	91.9	0.7	0.2	1.8	4.9	0.1	0.3	0.0	0.1	8,871
Likuyani	92.9	0.9	0.1	0.3	5.5	0.1	0.1	0.1	0.1	1,905
Sango	90.2	0.8	0.1	0.1	8.3	0.3	-	-	0.3	1,578
Kongoni	91.0	0.5	0.1	3.5	3.4	0.1	1.3	-	0.2	1,717
Nzoia	96.0	0.8	0.5	0.1	2.4	0.1	0.0	-	-	2,255
Sinoko	86.7	0.4	0.2	6.3	6.0	0.1	0.1	-	0.1	1,416
Malava Constituency	66.5	0.3	0.1	4.3	28.3	0.0	0.0	0.0	0.4	12,010
West Kabras	52.0	0.2	0.2	2.5	45.0	-	-	-	0.1	1,472
Chemuche	72.6	0.3	0.1	4.5	22.5	-	-	-	-	1,779
East Kabras	70.9	0.1	-	2.1	26.9	-	-	-	0.1	1,380
Butali/Chegulo	76.0	0.4	0.3	1.4	21.9	-	0.1	-	-	1,966
Manda/Shivanga	56.5	0.5	-	12.5	28.2	-	-	0.1	2.3	1,815
Shirugu/Mugai	63.8	0.1	-	1.9	33.9	0.1	0.2	0.1	-	1,521
South Kabras	70.6	0.3	0.2	4.4	24.3	0.0	-	0.1	0.0	2,077
Lurambi Constituency	92.3	1.1	0.6	2.0	3.6	0.1	0.1	0.1	0.2	10,753
Butsotso East	89.4	0.4	0.1	0.2	9.5	0.1	0.1	0.1	0.1	1,343
South Butsotso	87.2	1.0	0.1	1.2	10.2	-	0.2	0.1	-	1,300
Central Butsotso	94.2	0.2	-	0.2	5.3	-	-	-	-	1,628

Shieywe	94.9	0.8	1.7	1.3	0.5	0.1	-	0.2	0.6	3,420
Mahiakalo	88.9	3.5	0.4	5.1	1.8	0.3	-	-	-	769
Shirere	92.8	1.8	0.1	4.6	0.3	0.0	0.2	0.1	-	2,293
Navakholo Constituency	74.2	0.6	0.1	2.2	22.8	0.1	0.0	0.0	0.0	9,411
Ingots-Matiha	78.4	0.2	0.1	1.1	20.2	-	-	-	-	1,240
Shinoyi-Shikomari-Esumeiya	77.0	0.9	0.1	6.9	15.1	-	-	0.1	0.1	1,631
Bunyaala West	78.1	0.6	0.0	0.4	20.8	0.0	0.0	-	-	2,876
Bunyaala East	67.9	0.3	-	-	31.7	0.1	-	-	0.1	1,428
Bunyaala Central	68.9	0.6	0.2	3.0	26.8	0.4	-	0.1	-	2,236
Mumias West Constituency	79.8	0.5	0.2	2.8	16.4	0.0	0.2	0.0	0.2	8,706
Mumias Central	90.7	0.4	0.2	1.9	6.1	-	0.6	0.1	-	2,957
Mumias North	81.5	0.4	0.4	15.4	0.9	-	-	-	1.3	926
Etenje	72.3	0.6	0.2	0.4	26.5	0.0	-	-	-	2,240
Musanda	73.1	0.5	0.0	1.5	24.9	-	-	-	0.1	2,583
Mumias East Constituency	83.6	0.6	0.1	2.1	13.5	0.0	0.1	0.0	-	7,283
Lusheya/Lubinu	81.6	0.4	0.0	3.6	14.1	0.0	0.3	0.0	-	2,613
Malaha/Isongo/Makunga	82.8	0.6	0.1	2.5	14.0	0.0	-	-	-	2,317
East Wanga	86.7	0.7	0.1	-	12.5	-	-	-	-	2,353
Matungu Constituency	71.2	0.6	0.0	0.5	26.8	0.1	0.7	0.1	0.1	10,433
Koyonzo	60.0	0.6	0.1	0.3	38.0	-	1.0	-	-	2,707
Kholera	84.5	0.6	-	0.4	12.8	0.1	1.3	0.1	0.4	1,993
Khalaba	76.0	1.0	-	0.2	21.9	-	0.6	0.2	-	1,361
Mayoni	77.9	0.6	-	1.5	18.9	0.4	0.3	0.3	0.1	2,133
Namamali	63.6	0.2	-	0.1	36.0	0.0	0.0	-	-	2,239
Butere Constituency	81.9	0.6	0.1	1.8	15.5	-	0.0	0.0	-	11,114
Marama West	84.0	0.4	-	2.7	12.8	-	0.0	0.0	-	2,206
Marama Central	79.4	0.6	0.2	3.8	15.9	-	-	0.1	-	3,314
Marenyo/Shianda	84.3	0.9	0.0	0.2	14.4	-	0.1	-	-	2,042
Marama North	86.6	0.5	0.1	0.1	12.6	-	0.1	0.1	-	1,671
Marama South	77.1	0.6	0.1	0.6	21.5	-	-	-	-	1,881
Khwiserero Constituency	87.3	0.7	0.1	1.3	9.9	0.2	0.5	0.0	0.0	9,749

Kisa North	86.2	0.4	0.1	5.4	7.6	0.1	0.1	-	0.1	1,640
Kisa East	88.4	0.5	0.1	0.1	7.7	0.6	2.5	-	-	1,907
Kisa West	81.8	1.0	-	0.1	17.0	0.0	0.0	-	-	2,110
Kisa Central	89.9	0.7	0.1	1.0	8.2	0.0	-	0.1	-	4,092
Shinyalu Constituency	83.8	0.6	0.1	4.2	11.1	0.1	0.1	0.0	0.0	12,281
Isukha North	76.5	0.5	0.1	2.8	20.0	-	0.1	-	0.1	1,489
Murhanda	86.8	0.7	0.0	1.7	10.7	-	-	-	-	2,058
Isukha Central	82.5	0.7	0.0	5.0	11.5	0.1	-	0.1	0.1	2,796
Isukha South	93.2	0.6	0.3	2.3	3.3	0.1	-	0.1	-	2,995
Isukha East	61.4	0.5	-	8.7	29.2	0.1	0.1	-	-	1,337
Isukha West	90.1	0.4	-	6.9	2.3	-	0.3	-	-	1,606
Ikolomani Constituency	92.4	0.6	0.1	2.5	4.2	0.2	0.0	0.0	0.0	9,299
Idakho South	94.5	0.4	-	0.4	4.2	0.5	-	-	0.0	2,056
Idakho East	91.0	0.8	-	4.1	3.8	0.1	-	0.0	0.0	2,498
Idakho North	91.2	0.5	0.1	3.5	4.6	-	0.0	-	-	2,018
Idakho Central	93.1	0.6	0.2	1.8	4.2	0.0	0.1	-	-	2,727

Table 11.20: Main material of the wall by County, Constituency and Wards

County/Constituency/ Wards	Stone	Brick/Block	Mud/Wood	Mud/ Cement	Wood only	Corrugated Iron Sheets	Grass/ Reeds	Tin	Other	Households
Kenya	16.7	16.9	36.5	7.7	11.1	6.7	3.0	0.3	1.2	8,493,380
Rural	5.7	13.8	50.0	7.6	14.4	2.5	4.4	0.3	1.4	5,239,879
Urban	34.5	21.9	14.8	7.8	5.8	13.3	0.8	0.3	0.9	3,253,501
Kakamega County	0.8	13.5	74.6	10.3	0.2	0.3	0.1	0.0	0.4	349,735
Lugari Constituency	0.5	11.7	77.5	9.8	0.2	0.1	0.1	0.1	0.1	33,251
Mautuma	0.2	7.3	85.4	6.7	0.3	0.1	0.1	0.0	0.0	5,034
Lugari	0.2	10.1	79.2	10.0	0.3	0.1	0.1	0.0	0.0	6,192
Lumakanda	1.0	18.6	65.9	13.0	0.6	0.3	0.0	0.3	0.3	6,319
Chekalini	0.4	16.4	69.7	13.2	0.1	0.0	0.1	0.0	0.0	3,808
Chevaywa	0.3	10.4	83.4	5.7	0.1	0.0	0.0	0.0	0.0	6,564
Luandeti	0.9	7.9	79.7	11.3	0.0	0.0	0.1	0.0	0.0	5,334
Likuyani Constituency	0.9	17.7	71.7	9.1	0.2	0.2	0.1	0.0	0.1	25,690
Likuyani	0.9	17.8	73.7	6.4	0.3	0.6	0.1	0.0	0.2	5,704
Sango	0.7	5.8	78.5	14.5	0.1	0.1	0.1	0.0	0.3	4,438
Kongoni	0.5	18.8	66.8	13.4	0.2	0.1	0.0	0.0	0.1	4,868
Nzoia	1.4	25.9	65.2	7.1	0.2	0.1	0.0	0.0	0.0	6,382
Sinoko	0.7	16.4	77.5	5.0	0.2	0.0	0.0	0.0	0.1	4,298
Malava Constituency	0.4	8.8	76.3	14.0	0.2	0.1	0.1	0.0	0.0	40,053
West Kabras	0.2	3.1	79.4	17.0	0.2	0.1	0.0	0.0	0.0	5,018

Chemuche	0.5	15.6	73.7	9.6	0.4	0.1	0.1	0.0	0.0	5,737
East Kabras	0.3	9.6	74.1	15.5	0.3	0.0	0.0	0.0	0.1	4,461
Butali/Chegulo	0.3	11.1	73.3	14.8	0.2	0.2	0.1	0.0	0.0	6,356
Manda/Shivanga	0.9	4.7	84.2	9.8	0.2	0.0	0.1	0.0	0.2	5,930
Shirugu/Mugai	0.5	8.5	76.2	14.3	0.2	0.2	0.2	0.0	0.0	4,865
South Kabras	0.4	8.5	74.1	16.7	0.2	0.0	0.0	0.0	0.0	7,686
Lurambi Constituency	1.7	31.2	51.9	13.6	0.2	1.0	0.1	0.0	0.3	36,197
Butsotso East	0.8	8.9	78.0	11.4	0.3	0.2	0.3	0.0	0.2	4,746
South Butsotso	0.3	12.0	83.4	4.3	0.0	0.0	0.0	0.0	0.0	3,641
Central Butsotso	0.5	14.2	73.5	11.6	0.1	0.1	0.1	0.0	0.0	5,278
Shieywe	2.3	46.1	32.1	17.4	0.2	1.0	0.0	0.0	0.8	12,715
Mahiakalo	5.3	29.4	51.0	10.6	0.5	2.6	0.1	0.0	0.4	2,613
Shirere	1.4	42.2	38.2	15.7	0.2	2.3	0.0	0.0	0.1	7,204
Navakholo Constituency	0.3	6.9	85.7	6.4	0.2	0.1	0.1	0.0	0.4	27,107
Ingotse-Matiha	0.3	7.0	83.7	8.6	0.3	0.1	0.0	0.0	0.0	4,313
Shinoyi-Shikomari-Esumeiya	0.2	6.7	86.0	6.7	0.2	0.0	0.1	0.0	0.1	5,131
Bunyala West	0.2	6.9	85.6	5.5	0.1	0.1	0.2	0.0	1.4	7,478
Bunyala East	0.1	5.5	87.1	6.8	0.3	0.0	0.0	0.0	0.1	4,446
Bunyala Central	0.4	8.3	85.9	5.2	0.1	0.0	0.1	0.0	0.0	5,739
Mumias West Constituency	1.3	24.1	59.8	13.1	0.2	1.0	0.0	0.1	0.3	25,915
Mumias Central	1.2	37.3	50.0	10.7	0.2	0.5	0.0	0.2	0.0	9,248
Mumias North	5.1	50.8	26.3	10.8	0.1	5.2	0.0	0.0	1.7	3,986
Etenje	0.3	5.0	84.3	9.9	0.3	0.1	0.1	0.0	0.0	5,984
Musanda	0.3	7.2	71.4	20.7	0.2	0.1	0.1	0.0	0.0	6,697
Mumias East Constituency	0.9	11.5	76.6	10.6	0.2	0.0	0.1	0.0	0.0	21,148
Lusheya/Lubinu	1.5	11.2	73.0	13.8	0.4	0.0	0.1	0.0	0.0	7,946
Malaha/Isono/Makunga	0.4	11.1	80.7	7.5	0.1	0.1	0.1	0.0	0.0	6,403
East Wanga	0.6	12.2	77.0	9.9	0.2	0.0	0.1	0.0	0.0	6,799
Matungu Constituency	0.8	10.4	78.9	9.3	0.2	0.1	0.1	0.0	0.2	30,486
Koyonzo	1.6	8.9	77.3	11.9	0.3	0.0	0.1	0.0	0.0	7,513
Kholera	0.6	12.8	75.6	10.3	0.2	0.0	0.0	0.0	0.6	5,838
Khalaba	0.3	4.8	83.3	11.3	0.1	0.0	0.1	0.0	0.0	4,024
Mayoni	0.8	17.2	75.2	5.5	0.3	0.4	0.1	0.0	0.5	6,632
Namamali	0.6	6.5	84.7	7.9	0.2	0.0	0.0	0.0	0.0	6,479
Butere Constituency	0.9	9.2	78.2	10.4	0.2	0.1	0.1	0.0	0.8	30,479
Marama West	0.5	8.4	76.1	13.2	0.2	0.0	0.1	0.0	1.5	6,659
Marama Central	1.8	12.0	76.9	8.5	0.2	0.4	0.2	0.0	0.0	9,585
Marenyo/Shianda	0.5	6.2	85.4	7.6	0.1	0.0	0.1	0.0	0.0	5,106
Marama North	0.3	9.9	77.6	8.8	0.1	0.0	0.1	0.0	3.1	4,627
Marama South	0.6	7.2	76.9	14.8	0.3	0.1	0.1	0.0	0.0	4,502
Khwisero Constituency	0.5	7.8	82.6	7.1	0.1	0.1	0.0	0.0	1.7	23,225
Kisa North	0.3	6.9	81.9	10.7	0.1	0.1	0.0	0.0	0.0	4,175
Kisa East	0.4	7.6	74.6	10.3	0.2	0.0	0.1	0.0	6.8	4,429
Kisa West	0.3	7.5	84.0	6.1	0.1	0.1	0.0	0.0	1.7	4,895
Kisa Central	0.9	8.4	85.8	4.6	0.1	0.1	0.1	0.0	0.0	9,726
Shinyalu Constituency	0.3	10.6	77.2	10.9	0.2	0.1	0.1	0.0	0.5	33,555
Isukha North	0.3	16.8	65.7	16.8	0.1	0.1	0.0	0.0	0.1	4,770
Murhanda	0.4	7.2	80.3	8.6	0.4	0.1	0.0	0.0	2.9	5,942

Isukha Central	0.2	10.6	79.8	8.8	0.3	0.1	0.2	0.1	0.0	7,213
Isukha South	0.3	12.0	71.6	15.8	0.1	0.1	0.1	0.0	0.0	7,631
Isukha East	0.4	7.3	84.9	6.7	0.4	0.2	0.2	0.0	0.0	3,840
Isukha West	0.4	9.1	84.3	6.0	0.1	0.0	0.0	0.0	0.0	4,159
Ikolomani Constituency	0.4	8.3	86.1	4.9	0.1	0.1	0.0	0.0	0.0	22,629
Idakho South	0.2	7.6	88.6	3.5	0.1	0.0	0.0	0.0	0.0	4,562
Idakho East	0.4	9.2	85.3	4.9	0.1	0.0	0.1	0.0	0.0	5,873
Idakho North	0.5	7.8	85.5	6.1	0.1	0.0	0.0	0.0	0.0	5,485
Idakho Central	0.6	8.6	85.6	4.9	0.1	0.1	0.0	0.0	0.0	6,709

Table 11.21: Main Material of the Wall in Male Headed Households by County, Constituency and Ward

County/ Constituency/ Wards	Stone	Brick/ Block	Mud/Wood	Mud/ Cement	Wood only	Corrugated Iron Sheets	Grass/ Reeds	Tin	Other	Households
Kenya	17.5	16.6	34.7	7.6	11.4	7.4	3.4	0.3	1.2	5,762,320
Rural	5.8	13.1	48.9	7.3	15.4	2.6	5.2	0.3	1.4	3,413,616
Urban	34.6	21.6	14.0	7.9	5.6	14.4	0.7	0.3	0.9	2,348,704
Kakamega County	0.8	13.5	74.4	10.3	0.2	0.3	0.1	0.0	0.4	228,905
Lugari Constituency	0.5	11.2	78.1	9.6	0.3	0.1	0.1	0.1	0.1	22,331
Mautuma	0.3	6.6	86.1	6.7	0.2	0.1	0.1	-	-	3,342
Lugari	0.3	9.8	79.6	9.9	0.3	0.1	0.0	-	-	4,168
Lumakanda	1.0	17.7	66.8	12.8	0.7	0.3	0.0	0.4	0.3	4,220
Chekalini	0.4	16.5	70.0	12.8	0.2	-	0.1	-	0.0	2,486
Chevaywa	0.2	9.7	84.2	5.5	0.1	0.1	0.0	-	0.0	4,571
Luandeti	0.9	7.6	80.2	11.3	0.0	-	0.1	0.0	-	3,544
Likuyani Constituency	0.9	17.6	71.6	9.2	0.2	0.2	0.1	0.0	0.1	16,819
Likuyani	1.1	17.8	73.4	6.3	0.4	0.7	0.1	0.0	0.2	3,799
Sango	0.7	5.8	78.3	14.8	0.1	0.0	0.1	-	0.3	2,860
Kongoni	0.5	18.5	66.9	13.7	0.2	0.2	-	-	0.0	3,151
Nzoia	1.4	26.6	64.5	7.0	0.2	0.1	0.1	0.0	-	4,127
Sinoko	0.9	15.4	77.7	5.7	0.2	0.0	0.0	-	0.1	2,882
Malava Constituency	0.4	8.1	77.1	14.0	0.2	0.1	0.1	0.0	0.0	28,043
West Kabras	0.1	2.8	79.8	16.8	0.2	0.1	0.0	-	-	3,546
Chemuche	0.5	13.8	75.7	9.4	0.3	0.2	0.1	-	-	3,958
East Kabras	0.4	8.2	76.0	14.9	0.4	0.0	-	-	0.1	3,081
Butali/Chegulo	0.3	10.2	74.5	14.5	0.2	0.3	0.1	-	-	4,390
Manda/Shivanga	0.8	4.4	84.2	10.1	0.2	-	0.1	-	0.2	4,115
Shirugu/Mugai	0.4	8.0	76.2	14.7	0.2	0.2	0.2	0.0	-	3,344
South Kabras	0.4	8.3	74.1	17.0	0.1	0.0	0.0	-	-	5,609

Lurambi Constituency	1.7	30.7	52.0	13.8	0.2	1.1	0.1	0.0	0.4	25,444
Butsotso East	0.9	8.7	79.2	10.2	0.2	0.3	0.3	-	0.2	3,403
South Butsotso	0.2	12.3	83.0	4.4	0.0	0.0	0.0	-	-	2,341
Central Butsotso	0.5	13.4	74.2	11.6	0.1	0.1	0.1	0.0	-	3,650
Shieywe	2.1	45.2	32.5	17.9	0.3	1.1	0.0	0.1	0.8	9,295
Mahiakalo	6.4	26.6	52.1	11.0	0.5	2.7	0.1	0.1	0.6	1,844
Shirere	1.3	41.7	38.9	15.5	0.2	2.4	-	0.0	0.1	4,911
Navakholo Constituency	0.2	6.4	86.2	6.4	0.2	0.0	0.1	-	0.4	17,696
Ingots-Matiha	0.3	6.0	84.7	8.5	0.3	0.1	0.1	-	-	3,073
Shinoyi-Shikomari-Esumeiya	0.1	6.1	87.1	6.3	0.2	-	0.1	-	0.1	3,500
Bunyala West	0.2	6.4	85.7	5.8	0.1	0.0	0.3	-	1.4	4,602
Bunyala East	0.1	4.9	88.0	6.6	0.4	-	0.0	-	0.0	3,018
Bunyala Central	0.4	8.3	85.8	5.2	0.1	-	0.1	-	-	3,503
Mumias West Constituency	1.5	25.5	58.1	12.7	0.2	1.5	0.0	0.1	0.3	17,209
Mumias Central	1.0	37.5	49.5	10.7	0.2	0.7	0.1	0.3	-	6,291
Mumias North	5.8	51.3	23.5	10.8	0.1	6.6	-	-	1.9	3,060
Etenje	0.2	4.5	85.4	9.5	0.3	0.0	0.0	-	-	3,744
Musanda	0.3	7.0	72.1	20.2	0.2	0.1	0.1	0.0	0.0	4,114
Mumias East Constituency	0.8	10.7	77.3	10.7	0.3	0.0	0.1	-	-	13,865
Lusheya/Lubinu	1.4	11.0	73.1	13.9	0.4	0.0	0.2	-	-	5,333
Malaha/Isongo/Makunga	0.3	9.6	82.4	7.3	0.1	0.1	0.1	-	-	4,086
East Wanga	0.6	11.4	77.7	9.9	0.2	-	0.2	-	-	4,446
Matungu Constituency	0.7	10.1	79.5	8.9	0.2	0.2	0.1	-	0.3	20,053
Koyonzo	1.4	8.8	78.3	11.0	0.3	0.0	0.1	-	-	4,806
Kholera	0.5	11.4	76.3	10.9	0.2	0.0	-	-	0.7	3,845
Khalaba	0.2	4.4	84.2	11.0	0.2	0.0	0.1	-	-	2,663
Mayoni	0.8	17.7	74.9	4.9	0.2	0.6	0.1	-	0.7	4,499
Namamali	0.4	6.1	85.5	7.7	0.2	0.0	0.0	-	0.0	4,240
Butere Constituency	0.9	8.9	78.8	10.0	0.2	0.1	0.1	0.0	0.8	19,365
Marama West	0.6	7.7	76.6	13.0	0.2	-	0.1	-	1.8	4,453
Marama Central	1.9	11.3	78.3	7.7	0.2	0.4	0.2	-	-	6,271
Marenyo/Shianda	0.5	6.1	85.7	7.5	0.1	-	0.1	0.0	0.0	3,064
Marama North	0.3	10.3	77.8	8.8	0.1	-	0.1	-	2.7	2,956
Marama South	0.5	6.9	77.1	14.8	0.3	0.2	0.1	-	0.0	2,621
Khwisero Constituency	0.6	8.1	82.2	7.1	0.1	0.1	0.1	0.0	1.7	13,476

Kisa North	0.4	7.3	81.5	10.6	0.1	0.1	-	-	-	2,535
Kisa East	0.5	8.0	74.0	10.6	0.2	0.0	0.1	0.1	6.5	2,522
Kisa West	0.3	7.9	83.1	6.3	0.2	0.2	-	-	2.0	2,785
Kisa Central	1.0	8.6	85.6	4.3	0.1	0.1	0.1	-	0.0	5,634
Shinyalu Constituency	0.3	10.9	76.7	11.1	0.3	0.1	0.1	0.0	0.5	21,274
Isukha North	0.4	17.3	65.2	16.8	0.1	0.2	-	0.0	0.1	3,281
Murhanda	0.4	7.2	79.9	8.9	0.5	0.2	0.0	0.0	2.9	3,884
Isukha Central	0.2	10.8	79.3	9.1	0.2	0.2	0.1	0.0	0.0	4,417
Isukha South	0.3	12.0	71.5	15.9	0.2	0.1	0.0	0.0	-	4,636
Isukha East	0.2	7.5	84.6	6.8	0.5	0.2	0.2	-	-	2,503
Isukha West	0.4	9.6	83.7	6.0	0.2	0.0	0.0	-	0.0	2,553
Ikolomani Constituency	0.5	8.6	85.8	4.8	0.1	0.1	0.1	0.0	0.0	13,330
Idakho South	0.2	7.7	88.5	3.5	0.1	-	0.1	-	-	2,506
Idakho East	0.7	9.5	85.1	4.4	0.1	0.0	0.1	0.1	-	3,375
Idakho North	0.4	7.9	85.1	6.4	0.1	0.0	-	-	0.0	3,467
Idakho Central	0.6	8.9	85.4	4.6	0.2	0.2	0.1	-	-	3,982

Table 11.22: Main Material of the Wall in Female Headed Households by County, Constituency and Ward

County/ Constituency	Stone	Brick/ Block	Mud/ Wood	Mud/ Cement	Wood only	Corrugated Iron Sheets	Grass/ Reeds	Tin	Other	Households
Kenya	15.0	17.5	40.4	7.9	10.5	5.1	2.1	0.3	1.2	2,731,060
Rural	5.4	14.9	52.1	8.0	12.6	2.4	2.8	0.4	1.4	1,826,263
Urban	34.2	22.6	16.9	7.6	6.2	10.5	0.8	0.3	0.9	904,797
Kakamega County	0.7	13.4	75.0	10.2	0.2	0.1	0.1	0.0	0.4	120,830
Lugari Constituency	0.5	12.9	76.1	10.2	0.2	0.1	0.1	0.0	0.0	10,920
Mautuma	0.2	8.6	84.1	6.5	0.4	0.1	0.1	0.1	-	1,692
Lugari	0.0	10.8	78.5	10.2	0.2	0.0	0.1	-	0.0	2,024
Lumakanda	1.1	20.5	64.2	13.4	0.4	0.1	0.0	-	0.2	2,099
Chekalini	0.5	16.3	69.3	13.8	-	0.1	-	-	-	1,322
Chevaywa	0.3	12.1	81.4	6.1	0.1	-	-	-	-	1,993
Luandeti	0.9	8.7	78.8	11.5	0.1	-	0.1	-	-	1,790
Likuyani Constituency	0.8	17.8	72.1	8.9	0.1	0.2	0.0	0.0	0.2	8,871

Likuyani	0.7	17.8	74.3	6.6	0.1	0.3	0.1	-	0.2	1,905
Sango	0.8	5.8	79.0	13.9	0.1	0.1	-	-	0.3	1,578
Kongoni	0.6	19.4	66.6	12.9	0.1	0.1	-	0.1	0.2	1,717
Nzoia	1.3	24.7	66.3	7.4	0.1	0.2	-	-	-	2,255
Sinoko	0.4	18.3	77.1	3.8	0.2	-	-	-	0.1	1,416
Malava Constituency	0.5	10.6	74.6	13.9	0.2	0.0	0.0	0.0	0.1	12,010
West Kabras	0.2	3.7	78.2	17.4	0.3	0.1	0.1	0.1	0.1	1,472
Chemuche	0.5	19.6	69.2	10.1	0.6	0.1	0.1	-	-	1,779
East Kabras	0.3	12.7	69.8	16.8	0.3	-	-	-	0.1	1,380
Butali/Chegulo	0.3	13.2	70.8	15.6	0.1	-	-	-	-	1,966
Manda/Shivanga	1.0	5.3	84.1	9.1	0.2	0.1	-	-	0.2	1,815
Shirugu/Mugai	0.5	9.8	76.2	13.3	0.1	0.1	0.1	-	-	1,521
South Kabras	0.4	9.3	74.1	15.8	0.2	-	0.0	0.0	-	2,077
Lurambi Constituency	1.6	32.3	51.5	13.3	0.1	0.8	0.0	0.0	0.3	10,753
Butsotso East	0.4	9.4	75.1	14.5	0.3	0.1	0.1	-	0.1	1,343
South Butsotso	0.4	11.5	83.9	4.2	-	-	-	-	-	1,300
Central Butsotso	0.3	16.2	71.9	11.5	0.1	-	-	0.1	0.1	1,628
Shieywe	3.0	48.7	30.9	16.0	0.1	0.6	0.0	0.0	0.7	3,420
Mahiakalo	2.7	36.3	48.5	9.6	0.3	2.6	-	-	-	769
Shirere	1.5	43.3	36.7	16.2	0.0	2.1	0.0	-	0.1	2,293
Navakholo Constituency	0.3	7.9	84.6	6.4	0.1	0.1	0.1	0.0	0.5	9,411
Ingotse-Matiha	0.2	9.4	81.0	8.7	0.4	0.2	-	0.1	-	1,240
Shinoyi-Shikomari-Esumeiya	0.5	7.8	83.7	7.5	0.1	0.1	0.1	0.1	0.1	1,631
Bunyala West	0.2	7.6	85.3	5.1	0.1	0.1	0.0	-	1.4	2,876
Bunyala East	0.1	6.8	85.4	7.4	0.1	-	0.1	-	0.2	1,428
Bunyala Central	0.4	8.3	85.9	5.2	0.0	0.1	0.1	-	-	2,236
Mumias West Constituency	1.0	21.5	63.2	13.9	0.1	0.1	0.0	0.0	0.2	8,706
Mumias Central	1.5	36.8	50.9	10.5	0.1	0.2	-	-	0.0	2,957
Mumias North	2.7	49.1	35.5	10.8	-	0.4	0.1	-	1.3	926
Etenje	0.4	6.0	82.5	10.7	0.3	0.1	0.1	0.0	-	2,240
Musanda	0.3	7.5	70.4	21.5	0.1	0.1	0.0	-	0.0	2,583
Mumias East Constituency	0.9	13.0	75.3	10.5	0.2	0.0	0.1	-	0.0	7,283

Lusheya/Lubinu	1.6	11.7	72.8	13.6	0.3	-	-	-	-	2,613
Malaha/Isongo/Makunga	0.5	13.7	77.7	7.7	0.1	0.0	0.1	-	0.0	2,317
East Wanga	0.6	13.7	75.6	9.9	0.2	-	0.0	-	-	2,353
Matungu Constituency	1.0	10.9	77.7	9.9	0.2	0.0	0.1	0.0	0.1	10,433
Koyonzo	1.9	9.0	75.4	13.4	0.2	-	0.0	-	-	2,707
Kholera	0.7	15.5	74.3	9.0	0.2	-	0.1	-	0.4	1,993
Khalaba	0.7	5.6	81.4	12.0	0.1	-	0.1	0.1	-	1,361
Mayoni	0.6	16.2	75.8	6.6	0.4	0.0	0.2	0.1	0.1	2,133
Namamali	0.8	7.2	83.3	8.5	0.1	-	-	-	-	2,239
Butere Constituency	0.9	9.8	77.2	10.9	0.2	0.1	0.1	-	0.8	11,114
Marama West	0.3	9.8	75.1	13.5	0.2	-	0.0	-	1.0	2,206
Marama Central	1.8	13.4	74.3	10.0	0.1	0.3	0.2	-	-	3,314
Marenyo/Shianda	0.6	6.4	84.9	7.9	0.1	-	0.1	-	-	2,042
Marama North	0.4	9.3	77.4	8.8	0.1	0.1	0.1	-	3.8	1,671
Marama South	0.7	7.7	76.4	14.7	0.3	0.1	0.1	-	-	1,881
Khwiseri Constituency	0.4	7.4	83.2	7.1	0.1	0.1	0.0	-	1.7	9,749
Kisa North	0.1	6.4	82.6	10.7	0.1	-	-	-	0.1	1,640
Kisa East	0.4	7.1	75.4	9.9	0.3	-	0.1	-	7.0	1,907
Kisa West	0.2	7.1	85.4	5.9	0.0	-	0.0	-	1.3	2,110
Kisa Central	0.7	8.2	86.1	4.9	0.1	0.1	-	-	-	4,092
Shinyalu Constituency	0.4	10.2	78.0	10.7	0.2	0.0	0.1	0.0	0.5	12,281
Isukha North	0.2	15.8	66.6	16.9	0.2	-	0.1	-	0.1	1,489
Murhanda	0.4	7.1	81.1	8.1	0.2	0.0	0.0	-	3.0	2,058
Isukha Central	0.3	10.1	80.5	8.4	0.4	0.1	0.2	0.1	0.0	2,796
Isukha South	0.3	11.9	71.9	15.7	0.0	0.0	0.1	-	-	2,995
Isukha East	0.7	6.9	85.4	6.7	0.2	-	-	0.1	-	1,337
Isukha West	0.3	8.3	85.3	6.0	0.1	-	-	-	-	1,606
Ikolomani Constituency	0.4	8.0	86.4	5.1	0.1	0.0	0.0	0.0	0.0	9,299
Idakho South	0.1	7.5	88.6	3.5	0.2	-	-	0.0	0.0	2,056
Idakho East	0.2	8.7	85.5	5.5	0.1	0.0	-	-	-	2,498
Idakho North	0.5	7.6	86.2	5.6	0.0	-	0.0	-	-	2,018
Idakho Central	0.7	8.1	85.7	5.4	0.0	0.1	-	-	-	2,727

Table 11.23: Source of Water by County, Constituency and Ward

County/ Constituency/ Wards	Pond	Dam	Lake	Stream/ River	Unprotect- ed Spring	Unprotected Well	Ja- bia	Water vendor	Oth- er	Unim- proved Sources	Protected Spring	Protected Well	Borehole	Piped into Dwelling	Rain Water Collec- tion	Improved Sources	Number of Individ- uals	
Kenya	2.8	2.7	1.3	25.2	5.3	7.4	0.3	4.4	0.3	49.7	8.1	7.7	11.3	5.1	17.5	0.7	50.3	
Rural	3.4	3.5	1.6	30.6	6.5	8.9	0.3	1.8	0.4	57.0	9.5	8.0	11.5	1.6	11.7	0.8	43.0	
Urban	1.0	0.8	0.6	11.1	2.3	3.4	0.2	11.1	0.1	30.5	4.7	7.0	10.5	14.2	32.5	0.6	69.5	
Kakanega County	0.4	0.3	0.1	22.7	10.7	4.0	0.1	0.4	0.0	38.6	32.6	13.5	10.3	1.4	3.4	0.2	61.4	
Lugari Constituency	0.2	0.2	0.1	15.5	6.0	6.6	0.1	0.1	0.0	28.8	26.3	21.9	18.4	0.4	3.9	0.3	71.2	
Mautuma	0.1	-	24.6	1.7	5.5	0.0	-	-	31.9	8.0	36.2	23.5	-	0.1	0.3	68.1	7,629	
Lugari	0.0	0.0	0.2	26.6	6.0	8.7	0.1	0.0	-	41.8	20.7	26.9	9.6	0.2	0.6	0.2	58.2	9,207
Lumakanda	0.7	1.2	0.6	18.0	4.8	9.6	0.1	0.1	0.0	35.1	13.3	18.8	25.2	0.6	6.6	0.3	64.9	9,127
Chekellini	-	-	9.3	3.6	2.4	0.2	-	-	15.6	48.2	21.2	14.2	-	0.3	0.6	84.4	6,261	
Chevaywa	0.2	-	5.5	11.1	5.5	0.3	0.3	-	22.9	33.1	21.6	21.6	0.1	0.6	0.1	77.1	8,802	
Luandeti	0.4	0.0	-	6.8	7.6	6.0	-	-	0.0	20.9	40.1	7.3	15.7	1.5	14.4	0.1	79.1	
Likuyani Constituency	0.7	0.7	0.0	6.9	3.3	11.9	-	0.4	0.1	23.9	9.0	48.3	16.8	0.2	1.7	0.1	76.1	39,978
Likuyani	1.9	0.0	-	6.0	1.5	18.2	-	0.0	-	27.5	7.4	59.4	3.2	0.4	1.9	0.2	72.5	8,681
Sango	0.2	-	0.0	13.6	3.6	14.0	-	-	0.3	31.7	15.2	31.5	20.6	0.1	0.8	0.1	68.3	7,364
Kongoni	0.1	3.5	-	7.2	2.9	8.2	-	-	-	21.9	2.7	40.4	34.3	-	0.7	0.1	78.1	7,585
Nzoia	0.4	0.1	-	2.3	4.0	9.5	-	1.4	-	17.7	8.9	55.5	14.0	0.6	3.3	0.0	82.3	9,867
Sinoko	0.9	-	0.1	7.1	4.9	8.9	-	-	0.0	21.9	11.5	50.9	14.8	-	1.0	-	78.1	6,481
Malava Constituency	0.5	0.1	0.1	18.3	18.7	5.3	0.0	0.2	0.1	43.2	24.2	14.1	16.4	0.5	1.4	0.1	56.8	52,751
West Kabras	0.1	-	0.1	9.0	28.3	5.6	-	-	-	43.1	33.2	10.8	12.7	0.1	0.1	0.1	56.9	6,483
Chemuche	0.2	0.0	0.0	25.4	5.6	2.5	0.0	0.8	-	34.6	22.1	18.6	19.2	2.0	3.5	0.1	65.4	7,793
East Kabras	1.5	0.4	0.1	42.8	11.3	2.0	-	-	0.1	58.2	18.6	5.9	14.2	0.3	2.7	0.1	41.8	6,049

Butali/Chegulo	0.1	0.1	0.2	10.5	19.2	7.0	0.0	0.1	-	37.1	23.3	25.6	13.6	0.0	0.1	0.2	62.9	8,471
Manda/Shivanga	1.0	0.2	-	18.7	13.4	7.0	-	0.1	0.1	40.3	17.7	14.2	26.7	-	1.1	-	59.7	8,584
Shirigu/Mugai	0.1	0.1	-	4.6	28.1	4.5	0.2	0.0	-	37.5	27.4	11.8	18.9	1.1	3.1	0.1	62.5	6,781
South Kabras	0.4	-	0.0	20.0	26.0	7.0	-	0.1	0.5	53.9	28.4	8.6	9.0	0.1	-	-	46.1	8,640
Lurambi Constituency	0.6	0.1	0.0	36.4	8.8	2.2	0.1	1.7	0.1	49.9	13.2	5.2	9.6	8.7	12.4	0.9	50.1	42,932
Bulisoto East	2.3	-	0.1	30.7	18.3	3.7	-	0.1	-	55.3	18.9	6.0	10.2	0.4	8.6	0.5	44.7	5,647
South Bulisoto Central	-	-	-	48.8	11.3	2.1	-	0.3	-	62.5	23.4	5.3	4.5	2.6	1.0	0.7	37.5	5,504
Bulisoto	0.3	0.1	-	39.6	12.1	4.2	0.5	-	-	56.9	13.9	8.4	20.0	0.1	0.3	0.3	43.1	6,947
Shieywe	0.8	0.1	0.0	31.1	5.6	0.8	0.1	2.1	0.3	40.9	10.3	5.3	11.6	13.1	16.9	2.0	59.1	12,643
Mahiakalo	-	-	-	40.4	4.1	1.0	0.0	0.4	-	45.9	11.8	4.1	5.0	15.2	16.7	1.3	54.1	2,914
Shire	0.1	0.0	0.0	35.8	4.7	1.9	-	4.8	0.1	47.5	7.5	2.3	3.3	15.8	23.3	0.3	52.5	9,277
Navatiholo Constituency	0.6	0.2	0.1	9.0	20.8	5.9	0.3	0.0	-	36.9	40.1	12.5	8.6	0.2	1.7	0.0	63.1	41,449
Ingots-e-Maita Shinoyi-Shikomari-Esumiyeja	1.5	0.2	-	11.0	24.2	9.1	-	0.1	-	46.0	28.9	11.6	6.4	0.4	6.6	0.1	54.0	5,479
Bunyala West	-	0.0	-	1.2	26.4	5.6	-	0.1	-	33.2	42.0	15.2	9.2	0.1	0.3	-	53.2	6,934
Bunyala East Bunyala Central	0.2	0.1	2.6	8.5	2.2	-	-	-	-	13.7	66.7	9.7	7.6	-	2.3	0.0	86.3	6,011
Mumias West Constituency	0.2	0.1	0.2	12.3	7.3	2.6	0.0	1.0	0.0	23.8	36.8	12.5	15.6	5.0	6.2	0.0	76.2	33,427
Mumias Central	0.0	0.0	0.0	9.0	4.3	2.8	-	2.9	0.0	19.2	24.0	17.8	21.9	4.2	13.0	-	80.8	11,157
Mumias North	2.0	-	0.0	12.7	0.5	0.5	0.1	0.4	0.0	16.2	16.4	10.5	16.1	29.6	112	0.1	83.8	3,632
Etenje	0.1	0.2	0.7	9.3	13.7	3.6	-	-	0.1	27.5	48.6	11.5	12.0	0.3	0.1	-	72.5	8,719
Musanda Mumias East Constituency	-	-	0.0	18.7	7.4	2.4	-	-	0.0	28.6	48.4	8.3	11.6	1.1	2.0	-	71.4	9,919
Mumias East Constituency	0.2	0.4	0.1	13.0	8.0	2.7	-	0.3	-	24.7	51.3	13.1	10.1	0.0	0.7	0.0	75.3	29,449

Lushayu/Lubinu	0.2	1.0	0.0	10.2	8.7	4.8	-	0.6	-	25.5	48.3	14.0	11.4	0.1	0.8	0.0	74.5	10,290
Malahai/Isongo/Makunga	0.3	0.1	0.1	23.4	10.4	2.3	-	0.3	-	37.0	45.4	9.0	8.2	-	0.2	0.1	63.0	9,500
East Wanga	0.1	0.1	0.1	5.8	4.9	0.8	-	0.0	-	11.9	60.2	16.1	10.6	-	1.2	-	88.1	9,659
Matungu Constituency	0.1	0.6	0.1	12.2	7.8	2.8	-	0.1	0.1	23.7	42.6	21.1	12.3	0.1	0.2	0.1	76.3	43,379
Koyonzo	0.1	0.0	0.2	21.4	6.6	2.2	-	0.0	0.0	30.5	47.4	12.0	9.9	-	0.1	0.0	69.5	10,983
Kholera	0.1	0.7	0.1	8.0	11.9	3.1	-	0.2	-	24.0	35.0	29.1	11.6	0.2	0.0	0.1	76.0	8,853
Khalabba	0.1	3.3	0.2	12.4	11.8	3.1	-	0.1	31.1	42.8	14.9	11.3	-	0.0	-	68.9	5,742	
Mayoni	0.1	0.3	0.1	15.5	6.0	1.2	-	0.2	0.3	23.6	29.8	28.4	17.3	0.0	0.8	0.1	76.4	8,791
Namamali	-	-	0.0	1.8	4.2	4.6	-	0.0	0.1	10.7	56.4	21.2	11.6	-	0.1	-	89.3	9,010
Buleri Constituency	0.5	0.3	0.0	23.1	13.8	1.7	-	0.4	0.0	39.7	42.2	6.1	8.7	0.5	2.7	0.1	60.3	43,728
Marana West	1.5	0.1	-	31.0	12.8	2.4	-	1.2	0.0	49.0	36.0	7.2	6.3	0.1	1.1	0.2	51.0	8,597
Marana Central	0.3	0.3	0.0	16.7	13.8	2.6	-	0.4	0.0	34.1	34.6	9.2	12.6	1.6	7.9	0.1	65.9	13,035
Marenyo/Shianda	0.1	-	-	18.6	10.8	0.4	-	0.1	0.0	30.1	56.2	3.6	10.0	0.1	0.1	-	69.9	8,046
Marana North	0.5	1.0	-	31.1	12.3	1.3	-	0.0	0.0	46.4	44.5	3.1	5.8	0.1	0.1	0.1	53.6	6,600
Marana South	0.0	0.1	0.0	23.1	19.2	0.7	-	0.1	-	43.2	45.2	4.8	5.9	-	0.7	0.1	56.8	7,450
Khwiseri Constituency	0.7	0.0	0.0	25.4	14.9	2.0	0.0	0.5	0.0	43.5	50.1	2.0	1.8	0.1	2.1	0.4	56.5	38,996
Kisa North	-	-	0.1	25.8	19.8	4.5	0.1	0.5	-	50.7	43.8	1.7	1.9	0.3	1.4	0.3	49.3	6,765
Kisa East	0.1	0.1	-	27.9	13.3	1.8	-	0.2	-	43.4	51.9	2.9	0.8	-	0.1	0.8	56.6	7,919
Kisa West	2.6	-	-	8.5	12.2	2.3	-	0.4	0.1	26.0	65.3	1.2	0.6	0.3	6.5	0.1	74.0	8,381
Kisa Central Shinyalu Constituency	0.3	0.0	0.0	32.9	14.9	0.9	0.1	0.6	-	49.7	43.9	1.9	2.9	0.0	1.0	0.5	50.3	15,931
Isukha North	0.4	0.1	-	48.4	7.8	2.1	-	0.1	-	58.9	25.5	4.6	3.8	1.1	4.8	1.3	41.1	6,444
Murhanda	0.6	0.0	-	74.4	6.6	1.9	0.1	0.0	-	83.6	8.8	3.0	4.3	-	0.3	0.0	16.4	8,981

Isukha Central	0.1	0.2	0.1	47.2	7.7	4.7	-	0.5	0.0	60.4	28.1	5.2	2.8	0.4	2.9	0.3	39.6	12,312
Isukha South	0.7	1.5	0.0	54.3	5.8	0.7	0.1	-	-	63.0	22.7	1.3	0.3	1.9	10.6	0.1	37.0	12,872
Isukha East	2.6	0.2	-	55.2	13.1	0.5	-	-	-	71.6	11.5	1.9	1.0	1.4	12.5	0.2	28.4	5,746
Isukha West	0.0	0.1	-	30.4	6.9	2.6	0.0	0.1	-	40.2	50.1	4.8	3.1	0.1	1.5	0.3	59.8	6,693
Ikolomani Constituency	0.2	0.0	0.1	37.0	9.5	1.2	-	0.0	-	48.1	44.2	3.3	2.4	0.3	1.3	0.5	51.9	39,505
Idakho South	-	0.1	0.1	29.5	6.6	0.5	-	-	-	36.8	61.2	0.2	0.4	0.6	0.7	0.2	63.2	8,612
Idakho East	0.1	-	0.4	43.2	10.1	1.4	-	0.1	-	55.4	34.0	5.8	0.2	0.4	3.6	0.7	44.6	10,607
Idakho North	0.3	0.1	0.1	34.1	13.3	3.1	-	-	-	51.0	36.3	5.3	6.6	0.1	0.1	0.5	49.0	8,510
Idakho Central	0.3	-	-	39.0	8.3	0.2	-	0.0	-	47.8	46.5	1.8	2.7	0.1	0.5	0.6	52.2	11,776

Table 11.24: Source of Water of Male headed Household by County Constituency and Ward

County/Constituency/ Wards	Pond	Dam	Lake	Stream/ River	Unpro- tected Spring	Unpro- tected Well	Jabia	Water vendor	Other	Unim- proved Sources	Pro- tected Spring	Protect- ed Well	Bore- hole	Piped into Dwell- ing	Piped	Rain Water Collect- ion	Im- proved Sources	Number of Individuals
Kenya	2.7	2.3	1.1	22.4	4.8	6.7	0.4	5.6	0.4	46.4	7.4	7.7	11.7	6.2	19.9	0.7	53.6	26,755,066
Rural	3.7	3.1	1.4	29.1	6.3	8.6	0.4	2.4	0.5	55.6	9.2	8.2	12.1	1.9	12.2	0.8	44.4	18,016,471
Urban	0.8	0.6	0.5	8.5	1.8	2.8	0.2	12.1	0.1	27.5	3.8	6.7	10.8	14.9	35.8	0.5	72.5	8,738,595
Kakamega County	0.5	0.2	0.1	22.2	11.4	4.3	0.1	0.3	0.0	39.1	31.7	13.6	10.6	1.6	3.2	0.2	60.9	1,138,805
Lugari Constituency	0.3	0.4	0.1	16.4	7.0	6.9	0.2	0.2	0.0	31.5	25.6	21.6	17.3	0.3	3.4	0.2	68.5	117,378
Mautuma	0.1	0.1	0.0	26.0	2.0	5.3	-	0.0	-	33.5	7.9	35.3	23.0	0.0	0.0	0.2	66.5	17,268
Lugari	0.2	0.0	0.1	27.1	6.5	10.6	-	-	-	44.5	19.4	25.3	10.2	0.2	0.5	0.1	55.5	22,005
Lumakanda	0.8	1.6	0.5	18.2	6.3	7.9	0.0	0.2	0.0	35.5	14.4	18.1	25.2	0.4	6.2	0.2	64.5	20,629
Chekallini	0.1	0.2	0.1	14.1	3.5	3.4	0.0	-	0.0	21.5	45.6	22.1	9.6	0.1	0.2	1.0	78.5	13,423
Chevaywa	0.1	0.0	0.1	6.3	12.4	5.6	0.7	0.6	-	25.9	32.9	22.7	17.8	0.1	0.6	0.1	74.1	24,326

Luandetii	0.3	0.1	0.0	8.3	8.3	7.3	0.1	0.0	-	24.5	37.0	7.6	16.9	1.2	12.5	0.2	75.5	19,667
Likuyani Constituency	0.5	0.5	0.0	6.9	3.1	12.2	0.0	0.2	0.0	23.4	9.3	48.5	16.9	0.2	1.5	0.1	76.6	84,632
Likuyani	1.2	0.1	0.0	5.7	1.3	19.4	-	0.1	0.0	27.8	6.7	60.6	2.8	0.4	1.4	0.2	72.2	18,301
Sango	0.1	0.0	0.1	14.3	3.6	15.4	-	-	-	33.6	14.3	31.1	20.2	0.1	0.5	0.1	66.4	15,479
Kongoni	0.2	2.2	0.0	6.9	2.9	8.6	0.0	-	-	20.7	4.2	41.5	32.9	0.1	0.5	0.0	79.3	16,097
Nzoia	0.5	-	0.0	2.5	3.6	8.5	0.1	0.8	0.0	15.9	9.4	55.9	14.8	0.3	3.5	0.1	84.1	20,327
Sinoko	0.4	0.1	0.1	6.7	4.1	9.1	-	0.0	-	20.5	12.9	49.1	16.3	0.1	1.1	0.0	79.5	14,428
Malava Constituency	0.6	0.1	0.1	19.2	19.4	5.7	0.0	0.1	0.2	45.4	24.6	12.7	15.4	0.6	1.3	0.0	54.6	151,299
West Kabras	0.1	-	0.1	8.7	29.4	6.4	-	0.0	-	44.8	33.3	8.9	12.9	0.0	0.0	0.1	55.2	19,675
Chemuche	0.2	0.0	0.0	30.3	6.3	3.5	-	0.3	-	40.7	21.5	16.2	16.9	1.6	3.1	0.1	59.3	21,778
East Kabras	2.2	1.2	0.1	44.0	11.7	1.7	-	-	0.1	61.0	17.7	5.9	12.1	0.3	2.9	0.0	39.0	16,491
Butali/Chegulo	0.2	0.0	0.1	9.0	20.8	6.3	0.0	0.2	-	36.6	24.9	22.8	15.4	0.2	0.1	0.1	63.4	23,284
Manda/Shivanga	0.7	0.0	0.1	20.6	12.4	6.7	-	0.0	0.0	40.5	18.5	12.2	26.7	0.2	1.9	0.1	59.5	23,198
Shirigu/Mugai	0.5	0.0	0.0	5.9	28.0	4.5	0.1	0.0	-	39.1	28.7	13.2	16.4	0.9	1.6	0.1	60.9	17,999
South Kabras	0.5	-	0.0	19.4	26.3	8.5	0.0	-	0.8	55.5	27.3	8.4	8.1	0.7	0.0	0.0	44.5	28,874
Lurambi Constituency	0.7	0.1	0.0	36.5	9.5	2.3	0.2	1.5	0.0	50.8	13.9	5.4	9.3	7.7	12.1	0.9	49.2	111,471
Butsotso East	2.2	0.0	0.0	29.8	19.6	4.1	0.1	0.1	-	55.9	20.2	5.0	11.0	0.5	6.9	0.5	44.1	17,366
South Butsotso	0.4	0.0	-	47.4	14.0	2.0	-	0.4	-	64.3	22.5	5.5	4.8	1.8	0.6	0.3	35.7	11,712
Central Butsotso	0.6	0.0	0.0	39.8	13.8	3.9	0.7	0.0	-	58.9	16.1	7.7	16.7	-	0.2	0.4	41.1	18,559
Shieywe	0.5	0.3	0.1	33.6	4.9	0.8	0.1	2.3	0.0	42.7	10.5	5.7	11.4	10.6	17.3	1.8	57.3	34,293
Mahiakalo	-	-	-	43.7	3.6	0.9	0.3	0.3	-	48.8	11.0	3.3	4.6	18.9	12.9	0.5	51.2	7,863
Shire	0.2	0.0	0.1	35.3	4.8	2.3	-	3.6	-	46.2	8.6	3.9	2.1	14.6	24.0	0.6	53.8	21,678
Navakholo Constituency	0.9	0.0	0.1	7.1	23.3	6.5	0.3	0.0	-	38.3	40.6	11.2	8.0	0.2	1.5	0.1	61.7	95,427
Ingots-e-Maita	1.5	0.1	0.1	11.5	28.7	7.8	0.0	-	-	49.6	30.7	9.9	4.6	0.5	4.5	0.1	50.4	16,582

Shingoii-Shikomari-Esumeiya	0.1	0.0	0.1	5.0	34.5	5.2	1.7	-	-	46.6	37.7	7.4	8.2	0.0	-	0.1	53.4	18,405
Bunyala West	-	-	0.0	1.9	28.6	6.2	-	0.0	-	36.7	38.0	15.0	9.9	0.1	0.3	0.1	63.3	25,510
Bunyala East	0.3	-	0.1	2.7	9.3	3.0	-	-	-	15.3	68.6	7.8	6.8	0.1	1.4	0.1	84.7	16,101
Bunyala Central	2.8	0.2	0.0	16.4	12.3	10.3	0.0	0.0	-	42.0	31.9	14.1	9.4	0.6	1.9	0.1	58.0	18,829
Mumias West Constituency	0.4	0.0	0.1	11.3	6.8	2.0	0.0	0.9	0.0	21.6	36.9	12.1	14.7	8.2	6.4	0.1	78.4	77,469
Mumias Central	0.2	0.0	-	7.6	4.4	1.9	0.0	2.4	0.0	16.5	24.4	19.5	23.1	4.4	11.9	0.1	83.5	25,317
Mumias North	1.8	-	0.0	7.6	0.7	0.1	0.1	0.9	-	11.2	11.6	7.9	13.8	42.1	13.3	0.1	88.8	11,943
Eterie	0.1	0.1	0.6	10.4	14.7	2.5	-	-	0.0	28.4	52.2	10.2	8.9	0.1	0.2	0.1	71.6	19,437
Musanda	-	0.0	-	18.8	5.8	2.7	0.1	-	0.0	27.4	52.4	7.1	10.3	1.0	1.7	0.0	72.6	20,772
Mumias East Constituency	0.4	0.3	0.1	13.4	7.7	2.3	0.0	0.2	0.0	24.5	51.9	13.1	10.0	0.1	0.4	0.0	75.5	71,054
Lusheyia/Lubinu	0.1	0.7	0.1	11.0	9.6	3.8	-	0.3	0.0	25.5	48.1	14.0	12.0	0.1	0.3	0.1	74.5	26,875
Malahai/Songo/Makungu	0.8	-	0.1	23.9	9.0	1.9	-	0.2	0.0	35.9	47.9	8.6	7.5	0.0	0.0	0.0	64.1	21,498
East Wanga	0.2	0.2	0.0	6.2	4.4	1.0	0.1	0.0	0.0	12.3	60.4	16.2	10.2	0.0	0.8	0.0	87.7	22,681
Matungu Constituency	0.0	0.6	0.1	13.8	8.2	2.6	-	0.1	0.0	25.5	43.3	19.3	11.5	0.1	0.3	0.0	74.5	102,811
Koyonzo	0.0	0.1	0.3	21.9	6.8	2.2	-	0.0	-	31.4	48.5	11.2	8.6	0.1	0.1	0.0	68.6	24,821
Kholera	0.0	0.5	0.1	11.8	13.0	2.9	-	0.2	-	28.4	36.6	24.4	10.4	0.1	0.1	0.0	71.6	19,927
Khalaba	0.1	3.7	0.1	15.0	13.2	3.3	-	0.0	-	35.5	40.3	16.0	8.1	0.1	0.1	-	64.5	13,949
Mayoni	0.1	0.1	0.0	16.5	6.5	1.0	-	0.3	0.1	24.6	29.2	26.7	18.2	0.1	1.1	0.0	75.4	21,623
Namamali	0.0	-	0.0	3.1	3.9	4.0	-	0.0	-	11.1	59.0	18.6	11.3	-	0.0	-	88.9	22,491
Butere Constituency	0.5	0.3	0.0	23.4	14.4	1.8	0.0	0.2	0.0	40.7	42.4	5.9	8.0	0.5	2.5	0.1	59.3	95,430
Marana West	1.4	0.2	0.0	34.1	13.8	2.5	-	0.7	0.0	52.8	33.9	6.6	6.0	0.1	0.5	0.1	47.2	22,638
Marana Central	0.4	0.1	-	17.2	14.6	2.6	-	0.2	0.0	35.1	37.9	7.9	10.8	1.3	7.0	0.0	64.9	31,095
Marenyo/Shianda	0.1	0.0	-	14.2	12.7	0.4	0.0	-	-	27.4	59.1	3.3	9.7	0.1	0.2	0.2	72.6	15,014
Marana North	0.3	1.2	0.0	29.1	14.6	1.1	0.0	-	-	46.4	43.0	4.0	6.4	0.0	0.0	0.1	53.6	14,194

Marama South	-	0.1	0.1	23.8	16.9	1.0	0.0	0.0	0.1	42.0	48.4	4.7	4.3	-	0.5	0.1	58.0	12,489
Khwisero Constituency	0.7	0.0	0.1	26.1	14.5	2.4	0.0	0.5	0.0	44.4	49.1	2.4	1.8	0.2	1.7	0.5	55.6	63,136
Kisa North	0.1	0.0	0.1	27.6	17.8	5.4	0.1	0.5	0.0	51.6	42.5	2.0	1.8	0.4	1.2	0.5	48.4	12,309
Kisa East	-	0.0	28.9	13.5	1.9	-	0.2	-	44.5	49.5	4.2	1.2	-	0.1	0.5	55.5	11,935	
Kisa West	2.4	0.0	0.1	11.3	11.1	3.0	-	0.6	-	28.4	64.2	0.8	0.3	0.3	5.8	0.1	71.6	12,772
Kisa Central	0.5	0.0	0.1	31.4	15.1	1.0	0.0	0.6	-	48.7	44.5	2.6	2.8	0.1	0.8	0.6	51.3	26,120
Shinyalu Constituency	0.6	0.3	0.0	53.2	7.9	2.6	0.1	0.1	-	64.8	22.2	3.7	3.3	0.8	4.9	0.3	35.2	104,605
Isukha North	0.4	0.1	0.1	48.1	8.5	3.2	0.1	0.1	-	60.5	22.3	2.9	6.8	1.4	5.6	0.5	39.5	15,862
Murhanda	0.9	0.0	0.0	73.0	6.3	1.4	0.1	-	-	81.7	8.8	3.8	4.8	0.3	0.6	0.1	18.3	19,303
Isukha Central	0.1	0.1	0.0	48.8	7.7	5.0	-	0.5	-	62.2	25.4	6.8	3.3	0.3	1.7	0.3	37.8	22,127
Isukha South	0.3	1.2	-	56.4	5.7	1.0	0.1	0.0	-	64.6	22.3	1.0	0.5	1.4	10.0	0.2	35.4	22,477
Isukha East	2.7	0.2	0.1	53.7	16.1	1.1	-	-	-	73.9	10.7	1.5	0.9	1.4	11.5	0.1	26.1	12,154
Isukha West	0.0	0.1	0.1	30.9	6.1	3.4	0.0	-	-	40.7	48.1	5.9	3.7	0.2	0.9	0.6	59.3	12,682
Ikolomani Constituency	0.2	0.0	0.2	37.7	9.3	1.3	0.0	0.1	0.0	49.0	41.8	4.2	3.3	0.2	1.0	0.6	51.0	64,083
Idakho South	0.1	-	0.0	28.8	7.7	0.5	0.0	0.2	-	37.3	60.4	0.4	0.4	0.4	0.5	0.6	62.7	11,537
Idakho East	0.1	0.0	0.4	44.1	9.3	1.3	0.1	0.0	-	55.4	33.4	6.5	0.6	0.1	2.9	0.9	44.6	16,096
Idakho North	0.4	0.0	0.1	34.9	11.8	3.2	-	0.0	0.1	50.5	35.3	6.7	6.8	0.1	0.1	0.5	49.5	17,237
Idakho Central	0.2	0.0	0.1	40.3	8.2	0.3	0.0	0.1	-	49.2	43.4	2.3	4.1	0.1	0.5	0.4	50.8	19,223

Table 11.25: Source of Water of Female headed Household by County Constituency and Ward

County/Constituency/ Wards	Pond	Dam	Lake	Stream/ River	Unpro- tected Spring	Unpro- tected Well	Jabia	Water vendor	Other	Unim- proved Sources	Pro- tected Spring	Protect- ed Well	Bore- hole	Piped into Dwelling	Piped	Rain Water Collec- tion	Im- proved Sources	Number of Individ- uals
Kenya	2.8	2.7	1.3	25.2	5.3	7.4	0.3	4.4	0.3	49.7	8.1	7.7	11.3	5.1	17.5	0.7	50.3	11,164,581
Rural	3.4	3.5	1.6	30.6	6.5	8.9	0.3	1.8	0.4	57.0	9.5	8.0	11.5	1.6	11.7	0.8	43.0	8,058,724
Urban	1.0	0.8	0.6	11.1	2.3	3.4	0.2	11.1	0.1	30.5	4.7	7.0	10.5	14.2	32.5	0.6	69.5	3,105,857
Kakamega County	0.4	0.3	0.1	22.7	10.7	4.0	0.1	0.4	0.0	38.6	32.6	13.5	10.3	1.4	3.4	0.2	61.4	507,697
Lugari Constituency	0.2	0.2	0.1	15.5	6.0	6.6	0.1	0.1	0.0	28.8	26.3	21.9	18.4	0.4	3.9	0.3	71.2	49,055
Mautuma	0.1	-	-	24.6	1.7	5.5	0.0	-	-	31.9	8.0	36.2	23.5	-	0.1	0.3	68.1	7,629
Lugari	0.0	0.0	0.2	26.6	6.0	8.7	0.1	0.0	-	41.8	20.7	26.9	9.6	0.2	0.6	0.2	58.2	9,207
Lumakaanda	0.7	1.2	0.6	18.0	4.8	9.6	0.1	0.1	0.0	35.1	13.3	18.8	25.2	0.6	6.6	0.3	64.9	9,127
Chekalinii	-	-	9.3	3.6	2.4	0.2	-	-	-	15.6	48.2	21.2	14.2	-	0.3	0.6	84.4	6,261
Chevaywa	0.2	-	-	5.5	11.1	5.5	0.3	0.3	-	22.9	33.1	21.6	21.6	0.1	0.6	0.1	77.1	8,802
Luandeti	0.4	0.0	-	6.8	7.6	6.0	-	-	0.0	20.9	40.1	7.3	15.7	1.5	14.4	0.1	79.1	8,029
Likuyani Constituency	0.7	0.7	0.0	6.9	3.3	11.9	-	0.4	0.1	23.9	9.0	48.3	16.8	0.2	1.7	0.1	76.1	39,978
Likuyani	1.9	0.0	-	6.0	1.5	18.2	-	0.0	-	27.5	7.4	59.4	3.2	0.4	1.9	0.2	72.5	8,681
Sango	0.2	-	0.0	13.6	3.6	14.0	-	-	0.3	31.7	15.2	31.5	20.6	0.1	0.8	0.1	68.3	7,364
Kongoni	0.1	3.5	-	7.2	2.9	8.2	-	-	-	21.9	2.7	40.4	34.3	-	0.7	0.1	78.1	7,585
Nzoia	0.4	0.1	-	2.3	4.0	9.5	-	1.4	-	17.7	8.9	55.5	14.0	0.6	3.3	0.0	82.3	9,867
Sinoko	0.9	-	0.1	7.1	4.9	8.9	-	-	0.0	21.9	11.5	50.9	14.8	-	1.0	-	78.1	6,481
Malava Constituency	0.5	0.1	0.1	18.3	18.7	5.3	0.0	0.2	0.1	43.2	24.2	14.1	16.4	0.5	1.4	0.1	56.8	52,751
West Kabras	0.1	-	0.1	9.0	28.3	5.6	-	-	-	43.1	33.2	10.8	12.7	0.1	0.1	0.1	56.9	6,433
Chemuche	0.2	0.0	0.0	25.4	5.6	2.5	0.0	0.8	-	34.6	22.1	18.6	19.2	2.0	3.5	0.1	65.4	7,793

East Kabras	1.5	0.4	0.1	42.8	11.3	2.0	-	-	0.1	58.2	18.6	5.9	14.2	0.3	2.7	0.1	41.8	6,049
Bufalii/Chegulo	0.1	0.1	0.2	10.5	19.2	7.0	0.0	0.1	-	37.1	23.3	25.6	13.6	0.0	0.1	0.2	62.9	8,471
Manda/Shivanga	1.0	0.2	-	18.7	13.4	7.0	-	0.1	0.1	40.3	17.7	14.2	26.7	-	1.1	-	59.7	8,584
Shinguu/Mugai	0.1	0.1	-	4.6	28.1	4.5	0.2	0.0	-	37.5	27.4	11.8	18.9	1.1	3.1	0.1	62.5	6,781
South Kabras	0.4	-	0.0	20.0	26.0	7.0	-	0.1	0.5	53.9	28.4	8.6	9.0	0.1	-	-	46.1	8,640
Lurambi Constituency	0.6	0.1	0.0	36.4	8.8	2.2	0.1	1.7	0.1	49.9	13.2	5.2	9.6	8.7	12.4	0.9	50.1	42,932
Butsotso East	2.3	-	0.1	30.7	18.3	3.7	-	0.1	-	55.3	18.9	6.0	10.2	0.4	8.6	0.5	44.7	5,647
South Butsotso	-	-	-	48.8	11.3	2.1	-	0.3	-	62.5	23.4	5.3	4.5	2.6	1.0	0.7	37.5	5,504
Central Butsotso	0.3	0.1	-	39.6	12.1	4.2	0.5	-	-	56.9	13.9	8.4	20.0	0.1	0.3	0.3	43.1	6,947
Shieywe	0.8	0.1	0.0	31.1	5.6	0.8	0.1	2.1	0.3	40.9	10.3	5.3	11.6	13.1	16.9	2.0	59.1	12,643
Mahiakalo	-	-	-	40.4	4.1	1.0	0.0	0.4	-	45.9	11.8	4.1	5.0	15.2	16.7	1.3	54.1	2,914
Shiere	0.1	0.0	0.0	35.8	4.7	1.9	-	4.8	0.1	47.5	7.5	2.3	3.3	15.8	23.3	0.3	52.5	9,277
Navakholo Constituency	0.6	0.2	0.1	9.0	20.8	5.9	0.3	0.0	-	36.9	40.1	12.5	8.6	0.2	1.7	0.0	63.1	41,449
Ingots-e-Maita	1.5	0.2	-	11.0	24.2	9.1	-	0.1	-	46.0	28.9	11.6	6.4	0.4	6.6	0.1	54.0	5,479
Shinoyi-Shikomani-Esumeiya	0.1	0.2	-	6.9	33.6	4.2	1.8	-	-	46.8	35.4	8.4	9.3	-	0.0	-	53.2	6,934
Bunyala West	-	0.0	-	1.2	26.4	5.6	-	0.1	-	33.2	42.0	15.2	9.2	0.1	0.3	-	66.8	12,845
Bunyala East	0.2	0.1	0.1	2.6	8.5	2.2	-	-	-	13.7	66.7	9.7	7.6	-	2.3	0.0	86.3	6,011
Bunyala Central	1.4	0.3	0.3	23.2	10.6	7.8	0.0	-	-	43.7	31.1	14.0	9.2	0.5	1.5	0.0	56.3	10,180
Mumias West Constituency	0.2	0.1	0.2	12.3	7.3	2.6	0.0	1.0	0.0	23.8	36.8	12.5	15.6	5.0	6.2	0.0	76.2	33,427
Mumias Central	0.0	0.0	0.0	9.0	4.3	2.8	-	2.9	0.0	19.2	24.0	17.8	21.9	4.2	13.0	-	80.8	11,157
Mumias North	2.0	-	0.0	12.7	0.5	0.5	0.1	0.4	0.0	16.2	16.4	10.5	16.1	29.6	11.2	0.1	83.8	3,632
Etenje	0.1	0.2	0.7	9.3	13.7	3.6	-	-	0.1	27.5	48.6	11.5	12.0	0.3	0.1	-	72.5	8,719
Musanda	-	-	0.0	18.7	7.4	2.4	-	-	0.0	28.6	48.4	8.3	11.6	1.1	2.0	-	71.4	9,919

Mumias East Constituency	0.2	0.4	0.1	13.0	8.0	2.7	-	0.3	-	24.7	51.3	13.1	10.1	0.0	0.7	0.0	75.3	29,449
Lusheya/Lubini	0.2	1.0	0.0	10.2	8.7	4.8	-	0.6	-	25.5	48.3	14.0	11.4	0.1	0.8	0.0	74.5	10,290
Malahi/Songo/Makungu	0.3	0.1	0.1	23.4	10.4	2.3	-	0.3	-	37.0	45.4	9.0	8.2	-	0.2	0.1	63.0	9,500
East Wanga	0.1	0.1	5.8	4.9	0.8	-	0.0	-	11.9	60.2	16.1	10.6	-	1.2	-	88.1	9,659	
Matungu Constituency	0.1	0.6	0.1	12.2	7.8	2.8	-	0.1	0.1	23.7	42.6	21.1	12.3	0.1	0.2	0.1	76.3	43,379
Koyonzo	0.1	0.0	0.2	21.4	6.6	2.2	-	-	0.0	30.5	47.4	12.0	9.9	-	0.1	0.0	69.5	10,983
Kholera	0.1	0.7	0.1	8.0	119	3.1	-	0.2	-	24.0	35.0	29.1	11.6	0.2	0.0	0.1	76.0	8,853
Khalaba	0.1	3.3	0.2	12.4	118	3.1	-	-	0.1	31.1	42.8	14.9	11.3	-	0.0	-	68.9	5,742
Mayoni	0.1	0.3	0.1	15.5	6.0	1.2	-	0.2	0.3	23.6	29.8	28.4	17.3	0.0	0.8	0.1	76.4	8,791
Namamali	-	-	0.0	1.8	4.2	4.6	-	0.0	0.1	10.7	56.4	21.2	11.6	-	0.1	-	89.3	9,010
Butere Constituency	0.5	0.3	0.0	23.1	13.8	1.7	-	0.4	0.0	39.7	42.2	6.1	8.7	0.5	2.7	0.1	60.3	43,728
Marana West	1.5	0.1	-	31.0	12.8	2.4	-	1.2	0.0	49.0	36.0	7.2	6.3	0.1	1.1	0.2	51.0	8,597
Marana Central	0.3	0.3	0.0	16.7	13.8	2.6	-	0.4	0.0	34.1	34.6	9.2	12.6	1.6	7.9	0.1	65.9	13,035
Marenyo/Shianda	0.1	-	-	18.6	10.8	0.4	-	0.1	0.0	30.1	56.2	3.6	10.0	0.1	0.1	-	69.9	8,046
Marana North	0.5	1.0	-	31.1	123	1.3	-	0.0	0.0	46.4	44.5	3.1	5.8	0.1	0.1	0.1	53.6	6,600
Marana South	0.0	0.1	0.0	23.1	192	0.7	-	0.1	-	43.2	45.2	4.8	5.9	-	0.7	0.1	56.8	7,450
Khwisero Constituency	0.7	0.0	0.0	25.4	14.9	2.0	0.0	0.5	0.0	43.5	50.1	2.0	1.8	0.1	2.1	0.4	56.5	38,996
Kisa North	-	-	0.1	25.8	19.8	4.5	0.1	0.5	-	50.7	43.8	1.7	1.9	0.3	1.4	0.3	49.3	6,765
Kisa East	0.1	0.1	-	27.9	13.3	1.8	-	0.2	-	43.4	51.9	2.9	0.8	-	0.1	0.8	56.6	7,919
Kisa West	2.6	-	-	8.5	12.2	2.3	-	0.4	0.1	26.0	65.3	1.2	0.6	0.3	6.5	0.1	74.0	8,381
Kisa Central	0.3	0.0	0.0	32.9	14.9	0.9	0.1	0.6	-	49.7	43.9	1.9	2.9	0.0	1.0	0.5	50.3	15,931
Shinyalu Constituency	0.6	0.4	0.0	52.4	7.5	2.2	0.0	0.1	0.0	63.5	24.2	3.4	2.4	0.8	5.4	0.3	36.5	53,048
Isukha North	0.4	0.1	-	48.4	7.8	2.1	-	0.1	-	56.9	25.5	4.6	3.8	1.1	4.8	1.3	41.1	6,444

Murhanda	0.6	0.0	-	74.4	6.6	1.9	0.1	0.0	-	83.6	8.8	3.0	4.3	-	0.3	0.0	16.4	8,981
Isukha Central	0.1	0.2	0.1	47.2	7.7	4.7	-	0.5	0.0	60.4	28.1	5.2	2.8	0.4	2.9	0.3	39.6	12,312
Isukha South	0.7	1.5	0.0	54.3	5.8	0.7	0.1	-	-	63.0	22.7	1.3	0.3	1.9	10.6	0.1	37.0	12,872
Isukha East	2.6	0.2	-	55.2	13.1	0.5	-	-	-	71.6	11.5	1.9	1.0	1.4	12.5	0.2	28.4	5,746
Isukha West	0.0	0.1	-	30.4	6.9	2.6	0.0	0.1	-	40.2	50.1	4.8	3.1	0.1	1.5	0.3	59.8	6,693
Ikolomani Constituency	0.2	0.0	0.1	37.0	9.5	1.2	-	0.0	-	48.1	44.2	3.3	2.4	0.3	1.3	0.5	51.9	39,505
Idakho South	-	0.1	0.1	29.5	6.6	0.5	-	-	-	36.8	61.2	0.2	0.4	0.6	0.7	0.2	63.2	8,612
Idakho East	0.1	-	0.4	43.2	10.1	1.4	-	0.1	-	55.4	34.0	5.8	0.2	0.4	3.6	0.7	44.6	10,607
Idakho North	0.3	0.1	0.1	34.1	13.3	3.1	-	-	-	51.0	36.3	5.3	6.6	0.1	0.1	0.5	49.0	8,510
Idakho Central	0.3	-	-	39.0	8.3	0.2	-	0.0	-	47.8	46.5	1.8	2.7	0.1	0.5	0.6	52.2	11,776

Table 11.26: Human Waste Disposal by County, Constituency and Ward

County/ Constituency	Main Sewer	Septic Tank	Cess Pool	VIP Latrine	Pit Latrine	Improved Sanitation	Pit Latrine Uncovered	Bucket	Bush	Other	Unimproved Sanitation	Number of HH Members
Kenya	5.91	2.76	0.27	4.57	47.62	61.14	20.87	0.27	17.58	0.14	38.86	37,919,647
Rural	0.14	0.37	0.08	3.97	48.91	53.47	22.32	0.07	24.01	0.13	46.53	26,075,195
Urban	18.61	8.01	0.70	5.90	44.80	78.02	17.67	0.71	3.42	0.18	21.98	11,844,452
Kakamega County	1.20	0.68	0.12	5.93	76.04	83.97	14.72	0.09	1.10	0.12	16.03	1,646,502
Lugari Constituency	0.05	0.11	0.05	7.72	80.82	88.75	10.40	0.07	0.70	0.09	11.25	16,433
Mautima	0.00	0.03	0.07	2.55	89.31	91.97	7.06	0.24	0.71	0.02	8.03	24,897
Lugari	0.00	0.03	0.04	8.73	82.60	91.40	7.92	0.08	0.60	0.01	8.60	31,272
Lumakanda	0.08	0.29	0.05	10.35	79.49	90.26	9.15	0.03	0.47	0.08	9.74	29,756
Chekellini	0.03	0.25	0.11	17.27	76.06	93.73	5.77	0.10	0.29	0.12	6.27	19,684
Chevaywa	0.10	0.04	0.04	6.33	71.98	78.49	20.55	0.01	0.82	0.14	21.51	33,128
Luandei	0.07	0.07	0.02	3.27	86.54	89.97	8.68	0.03	1.17	0.15	10.03	27,696
Likuyani Constituency	0.09	0.19	0.04	10.83	67.74	78.89	20.28	0.16	0.51	0.15	21.11	124,610

Likuyani	0.21	0.31	0.11	19.55	68.11	88.30	10.82	0.28	0.58	0.02	11.70	26,982
Sango	0.00	0.01	5.35	78.24	83.62	15.32	0.16	0.53	0.38	16.38	22,843	
Kongoni	0.09	0.08	0.00	5.21	32.40	37.78	61.91	0.07	0.19	0.05	62.22	23,682
Nzoia	0.13	0.38	0.03	12.79	81.16	94.49	4.47	0.18	0.63	0.23	5.51	30,194
Sinokio	0.00	0.08	0.03	9.11	76.43	85.64	13.59	0.11	0.59	0.06	14.36	20,909
Malava Constituency	0.20	0.20	0.04	5.25	70.28	75.98	23.21	0.04	0.67	0.11	24.02	204,050
West Kabras	0.00	0.00	0.00	3.45	66.36	68.82	28.37	0.08	1.49	0.24	30.18	26,108
Chemutie	0.11	0.46	0.00	9.15	82.02	91.74	7.71	0.03	0.39	0.13	8.26	29,571
East Kabras	0.02	0.00	0.03	3.80	76.74	80.59	18.69	0.00	0.70	0.02	19.41	22,540
Butali/Chegulio	0.00	0.11	0.11	6.60	72.55	79.37	20.15	0.06	0.37	0.04	20.63	31,755
Manda/Shivanga	1.09	0.07	0.06	2.58	69.36	73.15	26.01	0.00	0.64	0.20	26.85	31,782
Shingui/Mugai	0.08	0.04	0.03	6.00	57.10	63.25	36.26	0.08	0.38	0.03	36.75	24,780
South Kabras	0.01	0.56	0.03	4.94	67.44	72.98	26.15	0.01	0.75	0.10	27.02	37,514
Lurambi Constituency	5.71	4.65	0.26	7.18	70.58	88.37	10.75	0.16	0.58	0.14	11.63	154,403
Butsotso East	0.07	0.33	0.05	9.56	78.83	88.35	8.95	0.06	1.59	0.55	11.15	23,013
South Butsotso	0.00	1.05	0.04	2.61	81.26	84.97	13.44	0.02	1.15	0.43	15.03	17,216
Central Butsotso	0.13	0.74	0.03	11.30	81.97	94.17	5.33	0.04	0.45	0.00	5.83	25,506
Shieywe	9.69	7.63	0.27	6.70	61.40	85.69	13.90	0.28	0.10	0.03	14.31	46,936
Mahiakalo	8.66	12.37	1.67	4.64	54.97	82.30	17.32	0.00	0.37	0.00	17.70	10,777
Shire	10.62	5.89	0.22	6.15	68.44	91.32	7.99	0.28	0.39	0.02	8.68	30,955
Navakholo Constituency	0.62	0.04	0.09	6.34	75.28	82.37	16.51	0.07	0.90	0.16	17.63	136,876
Ingots-Maita	0.08	0.08	0.10	8.38	79.87	88.51	10.97	0.05	0.44	0.03	11.49	22,061
Shinoyi-Shikomani-Esumeiya	0.02	0.00	0.09	6.92	84.49	91.52	7.64	0.04	0.78	0.02	8.48	25,339
Bunyala West	2.02	0.01	0.01	3.87	80.01	85.92	12.88	0.06	0.90	0.23	14.08	38,355
Bunyala East	0.02	0.02	0.06	5.36	83.04	88.50	9.80	0.11	1.20	0.39	11.50	22,112
Bunyala Central	0.14	0.11	0.22	8.31	51.56	60.34	38.36	0.07	1.12	0.12	39.66	29,009
Mumias West Constituency	8.00	1.21	0.09	2.99	67.46	79.75	18.68	0.11	1.37	0.08	20.25	110,896
Mumias Central	3.94	2.97	0.04	2.57	80.73	90.26	8.47	0.12	1.07	0.07	9.74	36,474
Mumias North	45.84	1.36	0.00	4.96	42.08	94.24	5.43	0.16	0.17	0.00	5.76	15,575
Etenje	0.02	0.14	0.22	1.46	65.11	66.35	30.45	0.06	2.52	0.02	33.05	28,156
Musanda	0.94	0.03	0.07	3.90	66.71	71.86	26.74	0.13	1.28	0.19	28.34	30,691
Mumias East Constituency	0.05	0.11	0.02	6.56	82.93	89.67	8.52	0.03	1.66	0.11	10.33	100,503
Lusheyala/Lubini	0.03	0.07	0.03	7.45	83.75	91.34	7.05	0.03	1.50	0.08	8.66	37,165

Malahaisongo/Makungu	0.02	0.01	0.02	4.24	80.33	84.62	13.11	0.03	2.20	0.05	15.38	30,998
East V Wang'a	0.11	0.25	0.01	7.76	84.47	92.61	5.81	0.03	1.34	0.21	7.39	32,340
Matungu Constituency	0.06	0.08	0.24	4.20	83.19	87.77	8.54	0.31	3.27	0.11	12.23	146,190
Koyonzo	0.05	0.11	0.07	4.20	84.95	89.38	6.59	0.17	3.80	0.06	10.62	35,804
Kholera	0.04	0.10	0.05	4.68	83.12	87.99	7.24	1.05	3.67	0.05	12.01	28,780
Khalaba	0.00	0.01	2.34	83.76	86.11	10.54	0.09	2.96	0.29	13.89	19,691	
Mayoni	0.21	0.10	0.94	5.84	80.07	87.16	9.25	0.09	3.28	0.23	12.84	30,414
Namamali	0.00	0.07	0.06	3.33	83.91	87.37	10.01	0.14	2.47	0.01	12.63	31,501
Butere Constituency	0.07	0.23	0.47	4.81	72.08	77.65	21.20	0.02	1.01	0.11	22.35	139,158
Marana West	0.10	0.04	0.52	4.83	82.59	88.09	10.91	0.00	0.85	0.15	11.91	31,235
Marana Central	0.04	0.63	1.05	6.56	64.79	73.08	25.86	0.01	0.97	0.09	26.92	44,130
Marenyo/Shianda	0.05	0.03	0.05	4.82	84.72	89.67	9.24	0.06	0.87	0.16	10.33	23,060
Marana North	0.07	0.04	0.08	2.91	60.26	63.35	35.55	0.02	1.00	0.08	36.65	20,794
Marana South	0.10	0.05	0.00	2.85	69.43	72.43	25.89	0.04	1.57	0.07	27.57	19,939
Khwiseri Constituency	0.01	0.10	0.02	4.60	79.57	84.30	13.71	0.04	1.73	0.22	15.70	102,132
Kisa North	0.00	0.36	0.00	6.55	74.02	80.33	16.84	0.03	1.78	0.42	19.07	19,074
Kisa East	0.01	0.03	0.04	3.89	85.03	89.00	8.73	0.04	2.11	0.13	11.00	19,854
Kisa West	0.01	0.05	0.01	3.92	87.65	91.65	5.95	0.05	2.11	0.25	8.35	21,153
Kisa Central	0.01	0.05	0.03	4.39	75.44	79.91	18.55	0.05	1.34	0.16	20.09	42,051
Shinyalu Constituency	0.04	0.60	0.06	4.29	84.87	89.86	9.45	0.05	0.49	0.15	10.14	157,663
Isukha North	0.09	2.03	0.06	4.65	88.93	95.75	3.79	0.10	0.35	0.01	4.25	22,306
Murhanda	0.00	0.01	0.05	2.60	88.00	90.65	8.62	0.04	0.56	0.13	9.35	28,284
Isukha Central	0.03	0.06	0.09	3.18	85.85	89.21	10.05	0.05	0.42	0.26	10.79	34,439
Isukha South	0.07	1.24	0.04	2.56	85.61	89.51	10.09	0.04	0.32	0.05	10.49	35,349
Isukha East	0.07	0.12	0.03	4.96	76.79	81.97	17.43	0.06	0.54	0.00	18.03	17,900
Isukha West	0.01	0.03	0.11	10.86	80.03	91.04	7.56	0.04	0.92	0.44	8.96	19,375
Ikolomani Constituency	0.26	0.21	0.06	6.37	79.59	86.49	12.61	0.01	0.84	0.06	13.51	103,598
Idakho South	0.41	0.12	0.06	7.73	86.93	95.25	4.00	0.00	0.73	0.02	4.75	20,149
Idakho East	0.01	0.27	0.03	5.09	82.73	88.13	11.49	0.03	0.34	0.01	11.87	26,703
Idakho North	0.05	0.22	0.03	7.11	78.17	85.58	13.55	0.00	0.80	0.06	14.42	25,747
Idakho Central	0.55	0.22	0.11	5.96	73.30	80.14	18.37	0.00	1.36	0.13	19.86	30,989

Table 11.27: Human Waste Disposal in Male Headed household by County, Constituency and Ward

County/ Constituency/wards	Main Sewer	Septic Tank	Cess Pool	VIP Latrine	Pit Latrine	Improved Sanitation	Pit Latrine Uncovered	Bucket	Bush	Other	Unimproved Sanitation	Number of HH Members
Kenya	6.30	2.98	0.29	4.60	47.65	61.81	20.65	0.28	17.12	0.14	38.19	26,75,066
Rural	0.15	0.40	0.08	3.97	49.08	53.68	22.22	0.07	23.91	0.12	46.32	18,016,471
Urban	18.98	8.29	0.73	5.89	44.69	78.38	11.41	0.70	3.13	0.18	21.42	8,738,595
Kakamega County	1.30	0.69	0.13	5.86	75.98	83.95	14.79	0.08	1.07	0.12	16.05	1,138,805
Lugari Constituency	0.05	0.13	0.06	7.44	80.68	88.35	10.85	0.06	0.68	0.07	11.65	117,378
Mautima	0.01	0.00	0.10	2.40	89.63	92.14	6.91	0.21	0.71	0.03	7.86	17,268
Lugari	0.00	0.04	0.05	8.28	82.65	91.02	8.37	0.02	0.58	0.01	8.98	22,065
Lumakanda	0.06	0.32	0.06	9.79	80.02	90.25	9.21	0.03	0.44	0.07	9.75	20,629
Chekallini	0.00	0.31	0.05	17.94	74.97	93.27	6.19	0.11	0.32	0.11	6.73	13,423
Chevaywa	0.11	0.06	0.05	6.00	71.23	77.45	21.64	0.00	0.81	0.10	22.55	24,326
Luandet	0.06	0.10	0.02	3.09	86.89	90.15	8.64	0.04	1.09	0.08	9.85	19,667
Likuyani Constituency	0.09	0.19	0.03	10.91	67.67	78.89	20.31	0.17	0.49	0.14	21.11	84,632
Likuyani	0.30	0.28	0.07	19.29	68.03	87.98	10.97	0.38	0.65	0.02	12.02	18,301
Sango	0.01	0.01	0.01	4.99	78.33	83.35	15.73	0.07	0.57	0.28	16.65	15,479
Kongoni	0.09	0.11	0.00	5.70	32.72	38.61	61.06	0.10	0.18	0.05	61.39	16,097
Nzoia	0.05	0.37	0.03	13.34	80.99	94.78	4.28	0.13	0.53	0.28	5.22	20,327
Sinoko	0.00	0.08	0.02	9.00	76.03	85.14	14.19	0.11	0.48	0.08	14.86	14,428
Malava Constituency	0.19	0.24	0.03	4.87	70.76	76.11	23.05	0.04	0.71	0.11	23.89	151,299
West Kabras	0.00	0.00	0.00	3.10	66.90	69.99	28.05	0.11	1.60	0.25	30.01	19,675
Chemueche	0.12	0.47	0.00	8.57	82.00	91.17	8.23	0.00	0.43	0.17	8.83	21,778
East Kabras	0.01	0.00	0.04	3.86	76.51	80.41	18.79	0.01	0.77	0.02	19.59	16,491
Butaili/Chegulo	0.00	0.15	0.08	5.87	73.41	79.51	19.99	0.06	0.41	0.03	20.49	23,284
Manda/Shivanga	1.08	0.05	0.05	2.09	70.08	73.34	25.87	0.00	0.62	0.17	26.66	23,198
Shirigu/Mugai	0.08	0.06	0.00	5.70	58.76	64.60	34.96	0.09	0.33	0.02	35.40	17,999
South Kabras	0.01	0.71	0.05	4.79	67.55	73.10	26.00	0.02	0.81	0.07	26.90	28,874
Lurambi Constituency	5.65	4.43	0.26	7.09	70.97	88.39	10.76	0.15	0.57	0.13	11.61	111,471
Butsotso East	0.05	0.32	0.03	9.35	78.88	88.33	9.17	0.00	1.69	0.51	11.37	17,366
South Butsotso	0.00	0.88	0.06	2.46	81.49	84.89	13.56	0.03	1.13	0.40	15.11	11,712
Central Butsotso	0.12	0.77	0.03	11.13	82.46	94.50	5.08	0.06	0.36	0.00	5.50	18,559
Shieywe	9.73	7.17	0.26	6.84	61.58	85.58	14.06	0.26	0.06	0.03	14.42	34,293

Matiakalo	9.55	11.31	1.78	4.31	55.67	82.61	16.97	0.00	0.42	0.00	17.39	7,863
Shirene	10.03	5.93	0.18	5.75	69.50	91.39	7.90	0.30	0.41	0.00	8.61	21,678
Navakholo Constituency	0.58	0.05	0.09	6.11	75.85	82.69	16.15	0.07	0.96	0.13	17.31	95,427
Ingotse-Maitha	0.10	0.07	0.13	7.89	80.34	88.54	11.00	0.07	0.35	0.04	11.46	16,582
Shinoyi-Shikomari-Esumeiyia	0.00	0.00	0.09	6.50	84.79	91.38	7.66	0.04	0.90	0.02	8.62	18,405
Bunyala West	2.02	0.00	0.02	4.02	78.79	84.85	13.95	0.08	0.89	0.24	15.15	25,510
Bunyala East	0.00	0.02	0.06	4.68	83.74	88.51	9.66	0.10	1.49	0.24	11.49	16,101
Bunyala Central	0.11	0.15	0.19	8.23	52.45	61.13	37.54	0.06	1.18	0.08	38.87	18,829
Mumias West Constituency	9.15	1.23	0.08	3.06	66.39	79.92	18.65	0.13	1.24	0.06	20.08	77,469
Mumias Central	3.94	3.06	0.01	2.74	80.23	89.97	8.76	0.16	1.07	0.04	10.03	25,317
Mumias North	49.05	1.32	0.00	4.29	39.93	94.59	5.09	0.20	0.12	0.00	5.41	11,943
Etenje	0.03	0.06	0.22	1.53	65.76	67.60	30.08	0.04	2.29	0.00	32.40	19,437
Musanda	1.11	0.05	0.10	4.16	65.34	70.75	27.80	0.15	1.10	0.19	29.25	20,772
Mumias East Constituency	0.07	0.11	0.02	6.49	83.03	89.72	8.42	0.02	1.69	0.14	10.28	71,054
Lusneya/Lubinu	0.04	0.07	0.03	7.19	83.91	91.24	7.16	0.02	1.49	0.09	8.76	26,875
Malatal/Songo/Makungua	0.02	0.02	0.00	4.15	80.81	85.00	12.67	0.04	2.24	0.05	15.00	21,498
East Wang'a	0.15	0.23	0.02	7.88	84.11	92.39	5.89	0.00	1.42	0.30	7.61	22,681
Matungu Constituency	0.08	0.09	0.24	4.15	83.52	88.08	8.65	0.11	3.04	0.11	11.92	102,811
Koyonzo	0.07	0.12	0.08	4.07	85.28	89.63	6.74	0.15	3.41	0.07	10.37	24,821
Khleria	0.03	0.05	0.05	4.71	83.97	88.80	7.33	0.02	3.79	0.06	11.20	19,927
Khalaba	0.00	0.00	0.00	2.35	83.73	86.08	10.75	0.13	2.75	0.29	13.92	13,949
Mayoni	0.27	0.14	0.93	6.17	80.09	87.61	9.10	0.10	2.96	0.23	12.39	21,623
Namamali	0.00	0.09	0.08	2.93	84.33	87.44	10.17	0.16	2.23	0.00	12.56	22,491
Butere Constituency	0.03	0.20	0.51	4.98	72.02	77.75	21.07	0.03	1.05	0.12	22.25	95,430
Marama West	0.05	0.03	0.55	4.99	82.56	88.18	10.66	0.00	0.95	0.21	11.82	22,638
Marama Central	0.01	0.55	1.09	6.81	64.84	73.30	25.64	0.02	0.93	0.12	26.70	31,095
Marenyo/Shianda	0.01	0.03	0.05	4.67	84.70	89.46	9.46	0.05	0.93	0.10	10.54	15,014
Marama North	0.07	0.05	0.10	2.87	59.42	62.51	36.27	0.03	1.16	0.04	37.49	14,194
Marama South	0.06	0.00	0.00	3.20	69.89	73.15	25.21	0.06	1.52	0.06	26.85	12,489
Khwiserero Constituency	0.01	0.08	0.01	4.62	79.50	84.23	13.89	0.04	1.65	0.19	15.77	63,136
Kisa North	0.00	0.28	0.00	6.09	75.16	81.54	16.63	0.04	1.41	0.37	18.46	12,309
Kisa East	0.01	0.05	0.00	4.11	84.93	89.10	8.74	0.07	1.99	0.10	10.90	11,935
Kisa West	0.02	0.00	0.00	4.32	87.71	92.05	5.68	0.06	2.00	0.21	7.95	12,772

Kisa Central	0.00	0.05	0.03	4.31	75.05	79.44	18.97	0.02	1.44	0.14	20.56	26,120
Shinyalu Constituency	0.05	0.61	0.06	4.34	84.84	88.90	9.38	0.06	0.50	0.16	10.10	104,605
Isukha North	0.12	2.26	0.06	4.53	88.38	95.90	3.63	0.14	0.33	0.00	4.10	15,862
Murhanda	0.00	0.01	0.07	2.84	87.73	90.65	8.53	0.04	0.63	0.15	9.35	19,303
Isukha Central	0.04	0.04	0.11	3.29	86.01	89.50	9.85	0.03	0.38	0.25	10.50	22,127
Isukha South	0.06	1.13	0.04	2.74	85.22	89.18	10.35	0.06	0.33	0.08	10.82	22,477
Isukha East	0.11	0.13	0.05	4.81	76.90	82.01	17.41	0.05	0.53	0.00	17.99	12,154
Isukha West	0.00	0.04	0.00	10.61	80.16	90.81	7.62	0.06	0.97	0.54	9.19	12,682
Ikolomani Constituency	0.30	0.24	0.06	6.55	79.15	86.30	12.79	0.01	0.85	0.05	13.70	64,093
Idakho South	0.40	0.16	0.08	8.06	86.20	94.90	4.32	0.00	0.77	0.01	5.10	11,537
Idakho East	0.02	0.29	0.02	4.96	83.39	88.67	11.03	0.03	0.25	0.01	11.33	16,096
Idakho North	0.08	0.23	0.03	7.29	78.40	86.02	13.06	0.01	0.85	0.06	13.98	17,237
Idakho Central	0.67	0.27	0.11	6.31	72.03	79.39	19.11	0.00	1.39	0.11	20.61	19,223

Table 11.28: Human Waste Disposal in Female Headed Household by County, Constituency and Ward

County/ Constituency	Main Sewer	Septic Tank	Cess Pool	VIP Latrine	Pit Latrine	Improved Sanitation	Pit Latrine Uncovered	Bucket	Bush	Other	Unimproved Sanitation	Number of HH Members
Kenya	5.0	2.2	0.2	4.5	47.6	59.5	21.4	0.3	18.7	0.2	40.5	11,164,581.0
Rural	0.1	0.3	0.1	4.0	48.5	53.0	22.6	0.1	24.2	0.1	47.0	8,058,724.0
Urban	17.6	7.2	0.6	5.9	45.1	76.4	18.4	0.7	4.3	0.2	23.6	3,105,857.0
Kakanegwa	1.0	0.7	0.1	6.1	76.2	84.0	14.6	0.1	1.1	0.1	16.0	507,697.0
Lugari	0.1	0.1	0.0	8.4	81.1	89.7	9.3	0.1	0.7	0.1	10.3	49,055.0
Mautuma	0.0	0.1	0.0	2.9	88.6	91.6	7.4	0.3	0.7	0.0	8.4	7,629.0
Lugari	0.0	0.0	0.0	9.8	82.5	92.3	6.8	0.2	0.7	0.0	7.7	9,207.0
Lumakaanda	0.1	0.2	0.0	11.6	78.3	90.3	9.0	0.0	0.5	0.1	9.7	9,127.0
Chekalinii	0.1	0.1	0.2	15.8	78.4	94.7	4.9	0.1	0.2	0.1	5.3	6,261.0
Chevaywa	0.1	0.0	0.0	7.2	74.0	81.3	17.5	0.0	0.8	0.2	18.7	8,802.0
Luandeti	0.1	0.0	0.0	3.7	85.7	89.5	8.8	0.0	1.4	0.3	10.5	8,029.0
Likuyani	0.1	0.2	0.1	10.7	67.9	78.9	20.2	0.2	0.6	0.2	21.1	39,978.0
Likuyani	0.0	0.4	0.2	20.1	68.3	89.0	10.5	0.1	0.4	0.0	11.0	8,681.0
Sango	0.0	0.0	0.0	6.1	78.1	84.2	14.4	0.3	0.4	0.6	15.8	7,364.0
Kongoni	0.1	0.0	0.0	4.2	31.7	36.0	63.7	0.0	0.2	0.1	64.0	7,585.0

Nzoia	0.3	0.4	0.0	11.7	81.5	93.9	4.9	0.3	0.8	0.1	6.1	9,867.0
Sinoko	0.0	0.1	0.1	9.3	77.3	86.8	12.3	0.1	0.8	0.0	13.2	6,481.0
Malava	0.2	0.1	0.1	6.3	68.9	75.6	23.7	0.0	0.6	0.1	24.4	52,751.0
West Kabras	0.0	0.0	0.0	4.6	64.7	69.3	29.3	0.0	1.2	0.2	30.7	6,433.0
Chemuche	0.1	0.4	0.0	10.8	82.0	93.3	6.3	0.1	0.3	0.0	6.7	7,793.0
East Kabras	0.1	0.0	0.0	3.6	77.4	81.1	18.4	0.0	0.5	0.0	18.9	6,049.0
Butali/Chegulo	0.0	0.0	0.2	8.6	70.2	79.0	20.6	0.1	0.3	0.1	21.0	8,471.0
Mandal/Shivanga	1.1	0.1	0.1	3.9	67.4	72.6	26.4	0.0	0.7	0.3	27.4	8,584.0
Shingui/Mugai	0.1	0.0	0.1	6.8	52.7	59.7	39.7	0.0	0.5	0.1	40.3	6,781.0
South Kabras	0.0	0.1	0.0	5.4	67.1	72.6	26.7	0.0	0.5	0.2	27.4	8,640.0
Lurambi	5.9	5.2	0.3	7.4	69.6	88.3	10.7	0.2	0.6	0.2	11.7	42,932.0
Butsotso East	0.1	0.4	0.1	10.2	78.7	89.5	8.3	0.2	1.3	0.7	10.5	5,647.0
South Butsotso	0.0	1.4	0.0	2.9	80.8	85.1	13.2	0.0	1.2	0.5	14.9	5,504.0
Central Butsotso	0.2	0.7	0.0	11.7	80.7	93.3	6.0	0.0	0.7	0.0	6.7	6,947.0
Shieywe	9.6	8.9	0.3	6.3	60.9	86.0	13.5	0.3	0.2	0.0	14.0	12,643.0
Mahiakalo	6.2	15.2	1.4	5.5	53.1	81.5	18.3	0.0	0.2	0.0	18.5	2,914.0
Shirene	12.0	5.8	0.3	7.1	66.0	91.2	8.2	0.2	0.4	0.1	8.8	9,277.0
Navathollo	0.7	0.0	0.1	6.9	73.9	81.6	17.3	0.1	0.8	0.2	18.4	41,449.0
Ingots-e-Maita	0.0	0.1	0.0	9.9	78.5	88.4	10.9	0.0	0.7	0.0	11.6	5,479.0
Shinoyi/Shikomari-Esumeinya	0.1	0.0	0.1	8.0	83.7	91.9	7.6	0.0	0.5	0.0	8.1	6,934.0
Bunyala West	2.0	0.0	0.0	3.6	82.4	88.0	10.8	0.0	0.9	0.2	12.0	12,845.0
Bunyala East	0.1	0.0	0.1	7.2	81.2	88.5	10.2	0.1	0.4	0.8	11.5	6,011.0
Bunyala Central	0.2	0.0	0.3	8.4	49.9	58.9	39.9	0.1	1.0	0.2	41.1	10,180.0
Mumias West	5.3	1.2	0.1	2.8	69.9	79.4	18.8	0.1	1.7	0.1	20.6	33,427.0
Mumias Central	4.0	2.8	0.1	2.2	81.9	90.9	7.8	0.0	1.1	0.1	9.1	11,157.0
Mumias North	35.3	1.5	0.0	7.2	49.1	93.1	6.5	0.0	0.4	0.0	6.9	3,632.0
Etenje	0.0	0.3	0.2	1.3	63.7	65.5	31.3	0.1	3.0	0.1	34.5	8,719.0
Musanda	0.6	0.0	0.0	3.4	69.6	73.6	24.5	0.1	1.6	0.2	26.4	9,919.0
Mumias East	0.0	0.1	0.0	6.7	82.7	89.6	8.8	0.1	1.6	0.0	10.4	29,449.0
Lusheya/Lubinu	0.0	0.1	0.1	8.1	83.4	91.6	6.8	0.0	1.5	0.0	8.4	10,290.0
Malahai/Songoi/Makungwa	0.0	0.0	0.1	4.4	79.3	83.7	14.1	0.0	2.1	0.0	16.3	9,500.0
East Wang'a	0.0	0.3	0.0	7.5	85.3	93.1	5.6	0.1	1.1	0.0	6.9	9,659.0

	0.0	0.1	0.2	4.3	82.4	87.0	8.3	0.8	3.8	0.1	13.0	43,379.0
Matungu	0.0	0.1	0.0	4.5	84.2	88.8	6.2	0.2	4.7	0.0	11.2	10,983.0
Koyonzo	0.0	0.1	0.0	4.6	81.2	86.2	7.1	3.4	3.4	0.0	13.8	8,853.0
Kholeria	0.1	0.2	0.0	2.3	83.8	86.2	10.0	0.0	3.5	0.3	13.8	5,742.0
Khalaba	0.0	0.0	0.0	5.0	80.0	86.1	9.6	0.1	4.0	0.2	13.9	8,791.0
Mayoni	0.1	0.0	1.0	4.3	82.9	87.2	9.6	0.1	3.1	0.0	12.8	9,010.0
Namamali	0.0	0.0	0.0	4.4	72.2	77.4	21.5	0.0	0.9	0.1	22.6	43,728.0
Butere	0.1	0.3	0.4	4.4	72.2	77.4	21.5	0.0	0.9	0.1	22.6	43,728.0
Marama West	0.2	0.1	0.5	4.4	82.7	87.8	11.6	0.0	0.6	0.0	12.2	8,597.0
Marama Central	0.1	0.8	1.0	6.0	64.7	72.5	26.4	0.0	1.1	0.0	27.5	13,035.0
Marenyo/Shianda	0.1	0.0	0.1	5.1	84.8	90.1	8.8	0.1	0.7	0.3	9.9	8,046.0
Marama North	0.1	0.0	0.0	3.0	62.1	65.2	34.0	0.0	0.6	0.2	34.8	6,600.0
Marama South	0.2	0.1	0.0	2.3	68.7	71.2	27.0	0.0	1.7	0.1	28.8	7,450.0
Khwiserio	0.0	0.1	0.0	4.6	79.7	84.4	13.4	0.0	1.9	0.3	15.6	38,996.0
Kisa North	0.0	0.5	0.0	7.4	71.9	79.8	17.2	0.0	2.5	0.5	20.2	6,765.0
Kisa East	0.0	0.0	0.1	3.5	85.2	88.8	8.7	0.0	2.3	0.2	11.2	7,919.0
Kisa West	0.0	0.1	0.0	3.3	87.6	91.0	6.4	0.0	2.3	0.3	9.0	8,381.0
Kisa Central	0.0	0.0	0.0	4.5	76.1	80.7	17.9	0.1	1.2	0.2	19.3	15,931.0
Shinyalu	0.0	0.6	0.1	4.2	84.9	89.8	9.6	0.0	0.5	0.1	10.2	53,048.0
Isukha North	0.0	1.5	0.0	5.0	88.9	95.4	4.2	0.0	0.4	0.0	4.6	6,444.0
Murhanda	0.0	0.0	0.0	2.1	88.6	90.6	8.8	0.0	0.4	0.1	9.4	8,981.0
Isukha Central	0.0	0.1	0.0	3.0	85.6	88.7	10.4	0.1	0.5	0.3	11.3	12,312.0
Isukha South	0.1	1.4	0.0	2.2	86.3	90.1	9.6	0.0	0.3	0.0	9.9	12,872.0
Isukha East	0.0	0.1	0.0	5.3	76.5	81.9	17.5	0.1	0.5	0.0	18.1	5,746.0
Isukha West	0.0	0.0	0.3	11.3	79.8	91.5	7.5	0.0	0.8	0.3	8.5	6,693.0
Ikolomani	0.2	0.2	0.1	6.1	80.3	86.8	12.3	0.0	0.8	0.1	13.2	39,505.0
Idakho South	0.4	0.1	0.0	7.3	87.9	95.7	3.6	0.0	0.7	0.0	4.3	8,612.0
Idakho East	0.0	0.2	0.0	5.3	81.7	87.3	12.2	0.0	0.5	0.0	12.7	10,607.0
Idakho North	0.0	0.2	0.0	6.8	77.7	84.7	14.5	0.0	0.7	0.1	15.3	8,510.0
Idakho Central	0.4	0.1	0.1	5.4	75.4	81.4	17.2	0.0	1.3	0.2	18.6	11,776.0



About KNBS

The Kenya National Bureau of Statistics (KNBS) is a semi-autonomous organization established under Statistics Act 2006 as the principal agency for collecting, compiling, analyzing, publishing and disseminating statistical information needed for planning and policy formulation and is the custodian of official statistical information. More specifically the Bureau is charged with responsibility of: planning, authorizing, co-coordinating and supervising all official statistical programmes undertaken within the National Statistical System (NSS); establishing standards and promoting the use of best practices and methods in the production and dissemination of statistical information across the NSS; collecting, compiling, analyzing, abstracting and disseminating statistical information on matters specified in the First Schedule of the Statistics Act; conducting population and housing census every ten years, and such other censuses and surveys as the board may determine; and maintaining a comprehensive and reliable national socio-economic database.

Kenya National Bureau of Statistics (KNBS)
Herufi House, LT. Tumbo Road, Off Harambee Avenue
P.O. BOX 30266 00100 Nairobi GPO, Kenya
Nairobi 317586/8, 317612/22, 317623, 317651
Email: info@knbs.or.ke; Website: www.knbs.or.ke



SID

Society for International Development

About SID

The Society for International Development (SID) is an international network of individuals and organizations with an interest in development, policy and governance research and dialogue. Since its creation in 1957, SID has consistently been at the forefront of reappraising prevalent development ideas and has confronted the theory and practice of development, challenging existing practices and suggesting alternative approaches. Over the years, three values have been – and remain – at the core of the Society's work – respect for diversity, participation and equity. SID East Africa is incorporated as a Company Limited by Guarantee under the Laws of Kenya. It serves as the Regional Office of the SID International Secretariat which is headquartered in Rome, Italy.

Society for International Development

Regional Office for Eastern Africa

Britam Centre, First Floor, Ragati/Mara Road

P O Box 2404 – 00100 Nairobi Kenya

Telephone: +254 - 20 - 2737991 • Fax: +254 - 20 - 273 7992

Email: sidea@sidint.org • Website: www.sidint.net