

Exploring Kenya's Inequality

Pulling Apart or Pooling Together?

Kajiado County



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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

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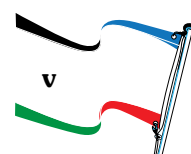


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Striking Features on Intra-County Inequality in Kenya

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, discriminate 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.

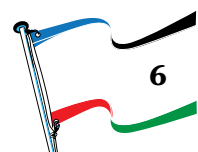
Spatial Dimensions

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.

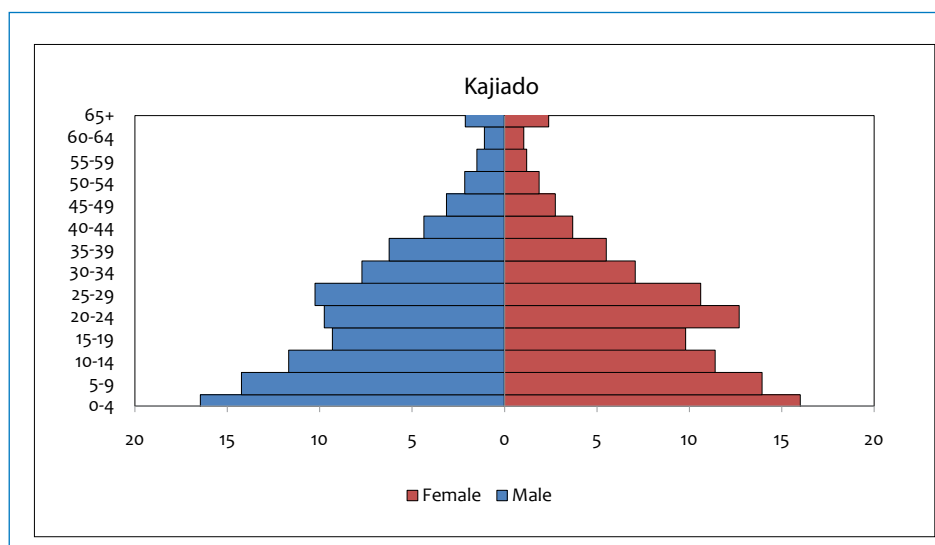


Kajiado County



10. KAJIADO COUNTY

Figure 10.1: Kajiado Population Pyramid



Population

Kajiado County has a combination of a child rich and a transitional population structure. Overall, 42% of the population is aged between 0-14 with Kajiado Central constituency at 50%; Kajiado West constituency at 48%; and Kajiado South constituency at 49%, having the highest proportion of children. The county also has a high proportion of the working age (15-64) population especially in Kajiado North constituency at 66% and Kajiado East constituency at 60. This may be explained by the growth of Ngong and Ongata Rongai Wards in Kajiado North as well as Kitengela Ward in Kajiado East that have attracted high numbers of migrants from rural areas and provided residency for people working in the city of Nairobi and its environs.

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 10.3 up to ward level.

Table 10: Overall Employment by Education Levels in Kajiado County

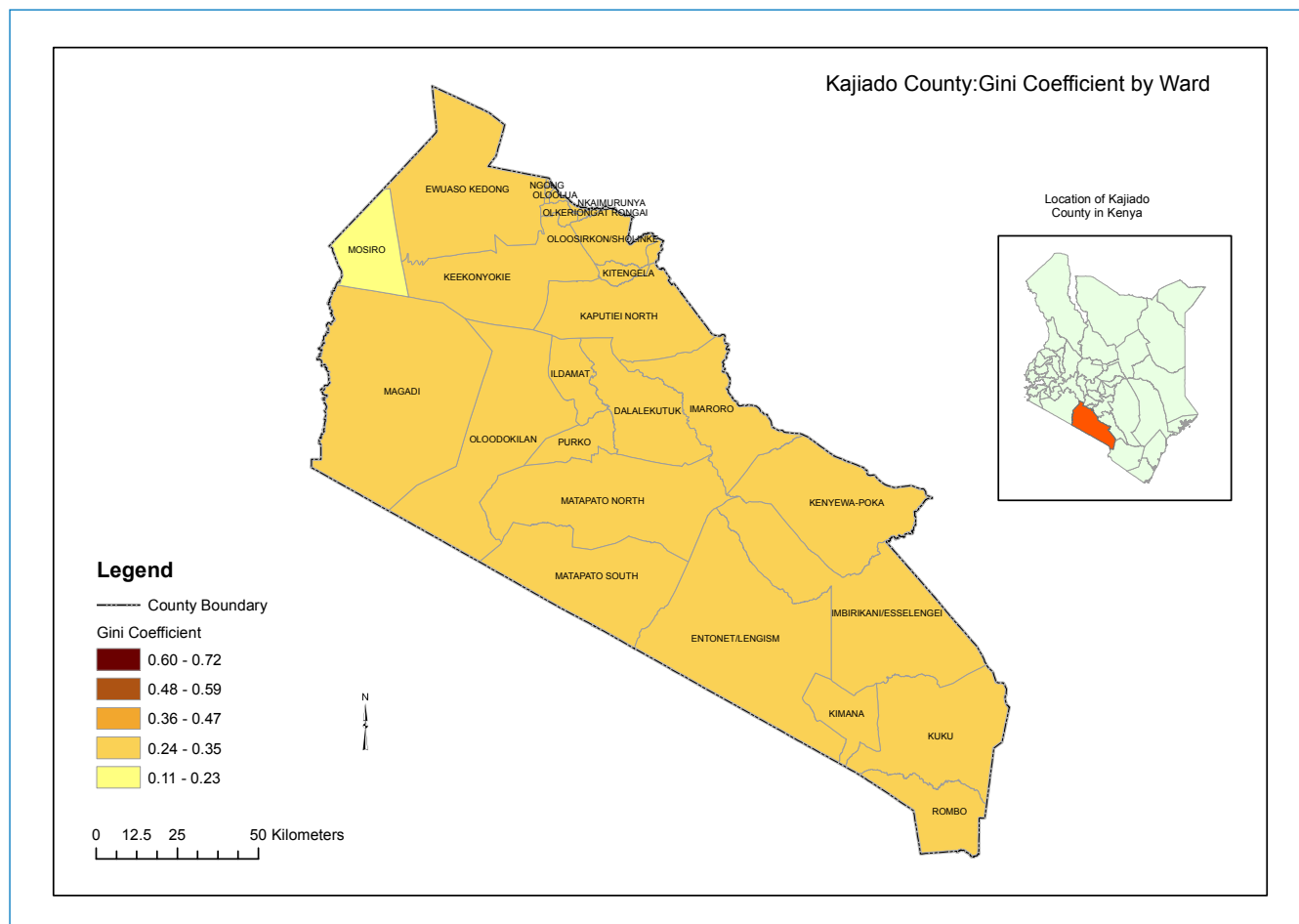
Education Level	Work for pay	Family Business	Family Agricultural Holding	Intern/Volunteer	Retired/Homemaker	Fulltime Student	Incapacitated	No work	Number of Individuals
Total	32.9	14.4	14.2	1.1	16.6	12.2	0.3	8.2	378,243
None	12.4	13.9	30.8	1.3	31.2	0.4	0.7	9.4	84,381
Primary	32.4	13.8	15.1	0.9	15.9	13.9	0.2	7.8	129,102
Secondary+	43.9	15.2	5.0	1.3	9.7	16.9	0.1	7.9	164,760

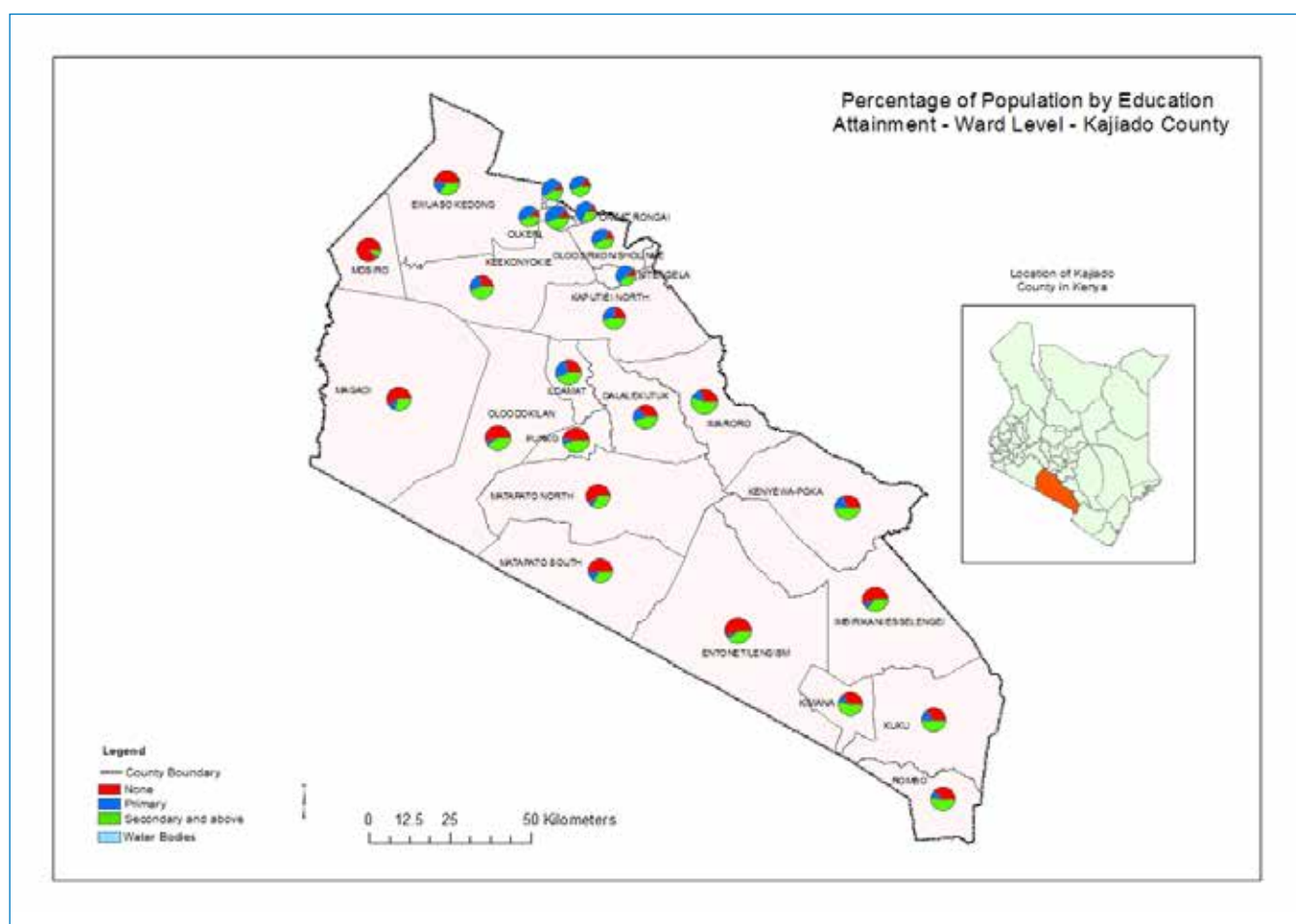
In Kajiado County, 12% of the residents with no formal education, 32% of those with primary education and 44% of those with a secondary level of education or above are working for pay. Work for pay is highest in Nairobi at 49% and this is 5 percentage points above the level in Kajiado for those with secondary level of education or above.

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. Kajiado County's Gini index is 0.403 compared with Turkana County, which has the least inequality nationally (0.283).

Figure 10.2: Kajiado County-Gini Coefficient by Ward



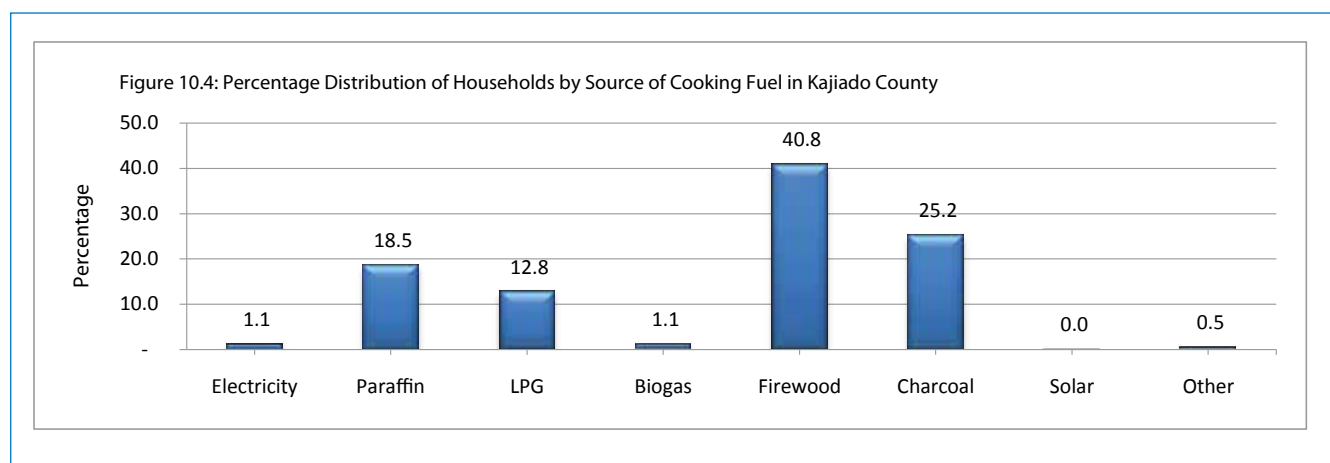


Some 31% of Kajiado County residents have no formal education. Kajiado Central constituency has the highest share of residents with no formal education at 48%. This is four times Kajiado North constituency, which has the lowest share of residents with no formal education. Kajiado Central constituency is 17 percentage points above the county average. Mosiro ward has the highest percentage of residents with no formal education at 87%. This is almost nine times Ongata Rongai Township ward, which has the lowest percentage of residents with no formal education. Mosiro ward is 56 percentage points above the county average.

Energy

Cooking Fuel

Figure 10.4: Percentage Distribution of Households by Source of Cooking Fuel in Kajiado County



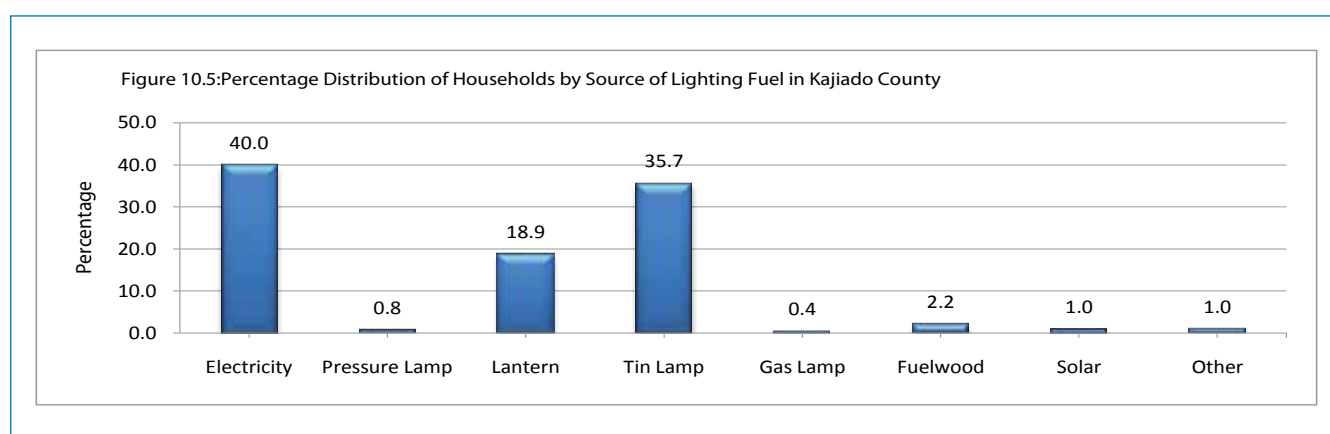
Only 13% of residents in Kajiado County use liquefied petroleum gas (LPG), while 19% use paraffin, 41% use firewood and 25% use charcoal. Firewood is the most common cooking fuel by gender with 35% of male headed households and 53% in female headed households using it.

Kajiado South constituency has the highest level of firewood use in Kajiado County at 79%. This is 71 percentage points above Kajiado North constituency, which has the lowest share. Kajiado South is about 38 percentage points above the county average. Two wards, Mosiro and Entonet/Lengism, have the highest level of firewood use in Kajiado County at 96% each. This is 32 times the Ongata Rongai ward, which has the lowest share. Mosiro and Entonet/Lengism are 55 percentage points above the county average.

Kajiado East constituency has the highest level of charcoal use in Kajiado County at 34%. This is twice Kajiado West constituency, which has the lowest share. Kajiado East constituency is 9 percentage points above the county average. Kaputiei North ward has the highest level of charcoal use in Kajiado County at 47%. This is 45 percentage points more than Mosiro ward. Kaputiei North ward is 22 percentage points above the county average.

Lighting

Figure 10.5: Percentage Distribution of Households by Source of Lighting Fuel in Kajiado County



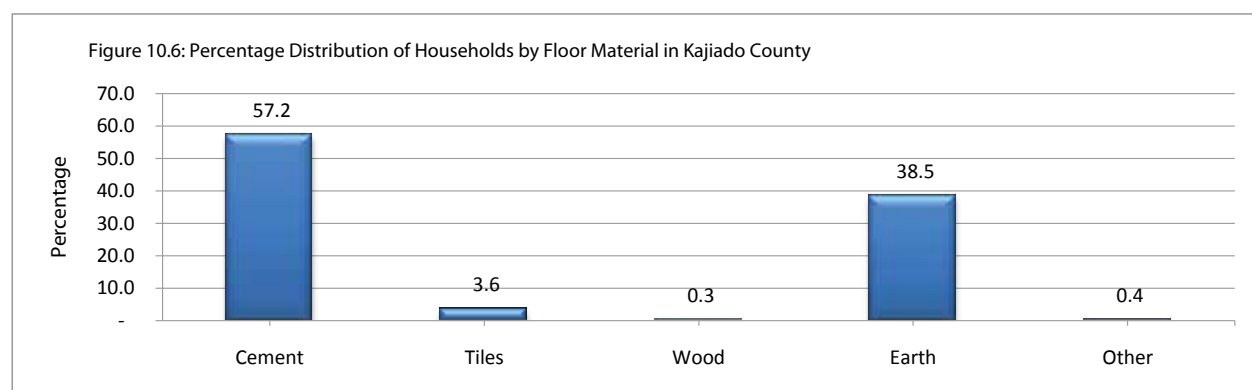
While 40% of residents in Kajiado County use electricity as their main source of lighting, a further 19% use lanterns, and 36% use tin lamps and 2% use fuel wood. Electricity use is more common in male headed households at 44% as compared with female headed households at 32%.

Kajiado North constituency has the highest level of electricity use at 71%. That is 12 times Kajiado South constituency, which has the lowest level of electricity use. Kajiado North constituency is 31 percentage points above the county average. Ongata Rongai ward has the highest level of electricity use at 88%. That is 88 percentage points above Oloodokilan and Mosiro wards which have the lowest levels of electricity use. Ongata Rongai ward is 48 percentage points above the county average.

Housing

Flooring

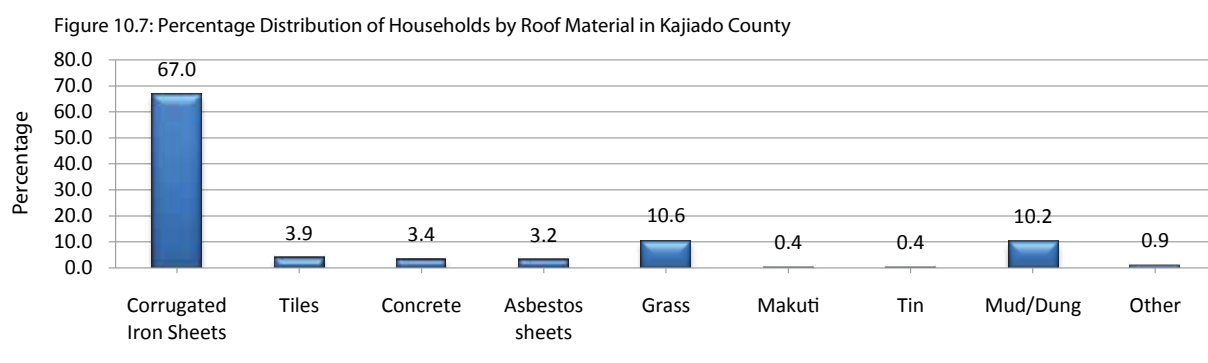
Figure 10.6: Percentage Distribution of Households by Floor Material in Kajiado County



In Kajiado County, 57% of residents have homes with cement floors, while 39% have earth floors. Less than 1% has wood and 4% have tile floors. Kajiado North constituency has the highest share of cement floors at 81%. That is almost thrice Kajiado South constituency, which has the lowest share of cement floors. Kajiado North constituency is 24 percentage points above the county average. Kitengela ward has the highest share of cement floors at 88%. That is 44 times Mosiro ward, which has the lowest share of cement floors. Kitengela ward is 31 percentage points above the county average.

Roofing

Figure 10.7: Percentage Distribution of Households by Roof Material in Kajiado County



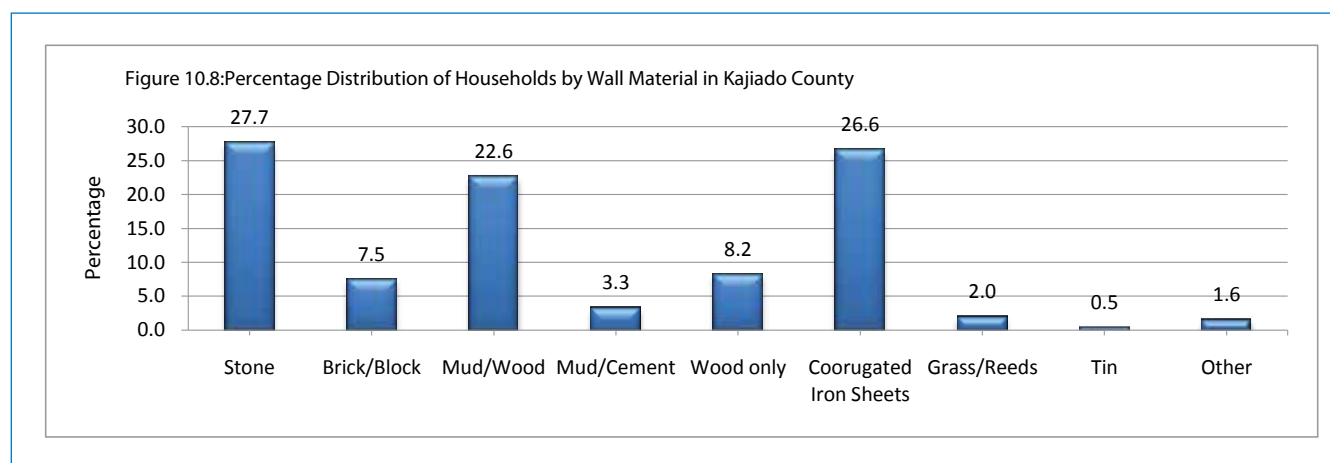
In Kajiado County, 3% of residents have homes with concrete roofs, while 67% have corrugated iron sheet roofs. Grass and makuti roofs cover 11% of homes, and 10% have mud/dung roofs.

Kajiado North constituency has the highest share of corrugated iron sheet roofs at 83%. That is 35 percentage points above Kajiado West constituency, which has the lowest share of corrugated iron sheet roofs. Kajiado North constituency is 16 percentage points above the county average. Nkaimurunya ward has the highest share of corrugated iron sheet roofs at 87%. That is 22 percentage points above Mosiro ward, which has the lowest share of corrugated iron sheet roofs. Nkaimurunya ward is 20 percentage points above the county average.

Kajiado South constituency has the highest share of grass/makuti roofs at 36%. That is 36 percentage points above Kajiado North constituency, which has the lowest share of grass/makuti roofs. Kajiado South constituency is 25 percentage points above the county average. Imbirikani/Esselengei ward has the highest share of grass/makuti roofs at 59%. This is 59 percentage points above Ongata Rongai Township ward, which has no share of grass/makuti roofs. Imbirikani/Esselengei ward is 48 percentage points above the county average.

Walls

Figure 10.8: Percentage Distribution of Households by Wall Material in Kajiado County



In Kajiado County, 35% of homes have either brick or stone walls, 26% of homes have mud/wood or mud/cement walls, 8% have wood walls, 27% have corrugated iron walls, 2% have grass/thatched walls and 2% have tin or other walls.

Kajiado North constituency has the highest share of brick/stone walls at 57%. That is almost 10 times Kajiado South constituency, which has the lowest share of brick/stone walls. Kajiado North constituency is 22 percentage points above the county average. Ongata Rongai ward has the highest share of brick/stone walls at 77%. That is 76 percentage points above Mosiro ward, which has the lowest share of brick/stone walls. Ongata Rongai ward is 42 percentage points above the county average.

Kajiado Central constituency has the highest share of mud with wood/cement walls at 56%. That is 19 times Kajiado North constituency, which has the lowest share of mud with wood/cement walls. Kajiado Central constituency is 30 percentage points above the county average. Purko ward has the highest share of mud with wood/cement walls at 78%. That is 77 percentage points above Kitengela ward, which has the lowest share of mud with wood/cement walls. Purko ward is 52 percentage points above the county average.

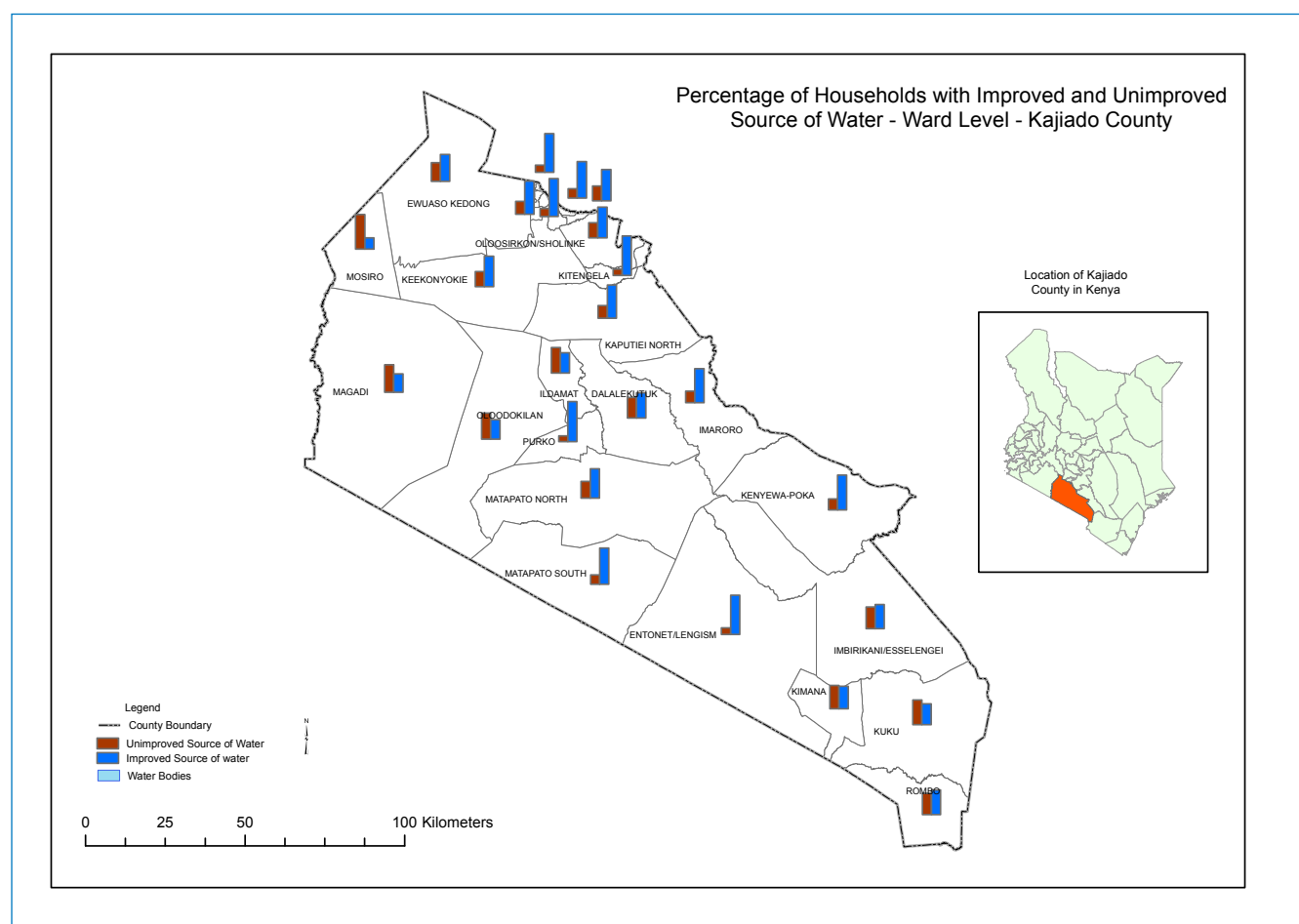
Water

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, jabia, water vendor and others.

In Kajiado County, 66% of residents use improved sources of water, with the rest relying on unimproved sources. Use of improved sources varies by gender with 68% of male headed households and 63% in female headed households using it.

Kajiado North constituency has the highest share of residents using improved sources of water at 77%. That is 25 percentage points above Kajiado West constituency, which has the lowest share using improved sources of water. Kajiado North constituency is 11 percentage points above the county average. Purko and Kitengela wards have the highest share of residents using improved sources of water at 86%. That is almost four times Mosiro ward, which has the lowest share of residents using improved sources of water. Purko and Kitengela wards are 20 percentage points above the county average.

Figure 10.9: Kajiado County-Percentage of Households with Improved and Unimproved Sources of Water by Ward

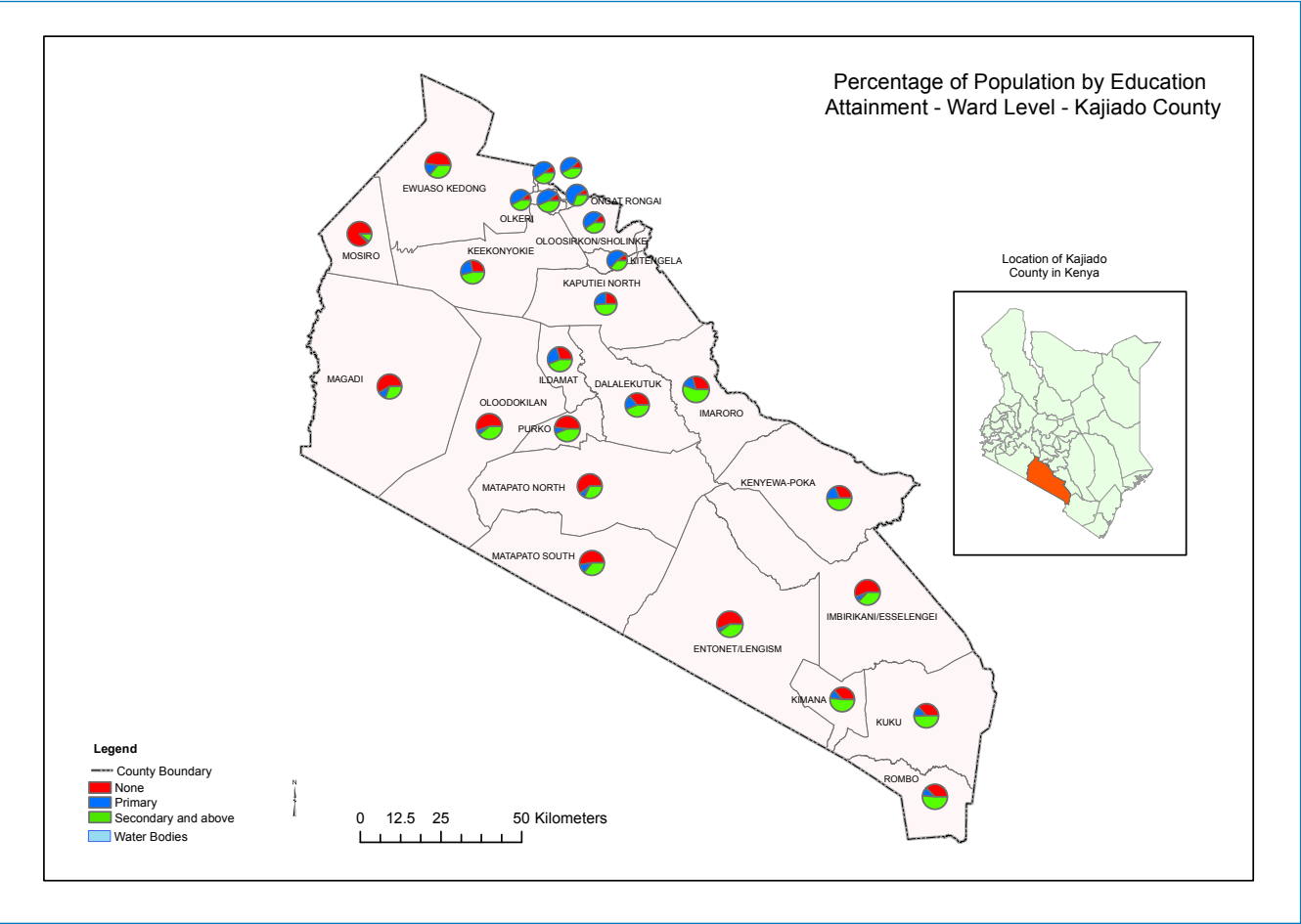


Sanitation

While 56% of residents in Kajiado county use improved sanitation, the rest use unimproved sanitation. Use of improved sanitation is higher in male headed households at 61% as compared with female headed households at 44%.

Kajiado North constituency has the highest share of residents using improved sanitation at 82%. That is almost three times Kajiado Central constituency, which has the lowest share of residents using improved sanitation. Kajiado North constituency is 26 percentage points above the county average. Ongata Rongai ward has the highest share of residents using improved sanitation at 89%. That is 87 percentage points above Mosiro ward, which has the lowest share of residents using improved sanitation. Ongata Rongai ward is 33 percentage points above the county average.

Figure 10.10: Kajiado County –Percentage of Households with Improved and Unimproved Sanitation by Ward



Kajiado County Annex Tables

10. KAJIADO

Table 10.1: 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 dependency Ratio	Child dependency Ratio	aged dependency ratio	0-3	4-6	7+	total
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	7,265,012	257,799	0.999	0.630	0.595	0.035	54.8	33.7	11.5	3,253,501
Kajiado County	676,752	338,380	338,372	130,959	283,245	130,909	261,306	378,243	15,264	1.000	0.789	0.749	0.040	46.9	38.9	14.2	170,129
Kajiado North Constituency	191,565	95,481	96,084	29,819	61,758	29,281	89,057	126,951	2,856	0.994	0.509	0.486	0.022	57.2	34.9	8.0	56678
Olkeri	41,162	20,559	20,603	6,208	13,827	7,019	17,231	26,379	956	0.998	0.560	0.524	0.036	49.6	40.3	10.2	11049
Ongat Rongai	44,231	21,385	22,846	6,523	13,226	6,415	22,214	30,585	420	0.936	0.446	0.432	0.014	57.2	34.0	8.8	12945
Nkaimurunya	54,957	27,992	26,965	9,231	18,159	7,745	26,545	36,203	595	1.038	0.518	0.502	0.016	61.2	32.9	5.9	17417
Oloolua	33,366	16,769	16,597	5,057	10,746	5,371	14,889	22,035	585	1.010	0.514	0.488	0.027	55.4	35.4	9.2	9561
Ngong	17,849	8,776	9,073	2,800	5,800	2,731	8,178	11,749	300	0.967	0.519	0.494	0.026	62.3	31.5	6.2	5706
Kajiado Central Constituency	102,819	50,107	52,712	23,121	51,131	23,047	33,085	48,895	2,793	0.951	1.103	1.046	0.057	35.7	45.0	19.3	22398
Purko	5,335	2,562	2,773	1,183	2,807	1,330	1,596	2,360	168	0.924	1.261	1.189	0.071	24.5	50.7	24.7	1007
Idamat	9,472	4,642	4,830	1,705	4,293	2,349	3,247	4,952	227	0.961	0.913	0.867	0.046	36.7	39.8	23.5	1990
Dalalekutuk	27,554	13,575	13,979	5,519	12,759	6,360	9,610	14,121	674	0.971	0.951	0.904	0.048	40.8	41.6	17.6	6296
Matapato North	29,590	14,246	15,344	7,381	15,576	6,311	8,928	13,127	887	0.928	1.254	1.187	0.068	33.1	48.6	18.3	6436
Matapato South	30,868	15,082	15,786	7,333	15,696	6,697	9,704	14,335	837	0.955	1.153	1.095	0.058	34.8	45.4	19.9	6669

Kajiado East Constituency	133,179	68,520	64,659	23,347	50,266	23,994	58,539	80,445	2,468	1,060	0.656	0.625	0.031	55.2	32.7	12.2	36689
Kaputiei North	28,874	15,352	13,522	5,143	11,181	5,490	12,644	17,009	684	1,135	0.698	0.657	0.040	54.9	31.9	13.2	7916
Kitengela	30,453	15,630	14,823	4,836	9,139	3,783	16,007	21,096	218	1,054	0.444	0.433	0.010	66.9	27.2	5.9	10220
Oloosirikon/Sholinke	32,502	16,755	15,747	5,379	10,748	4,757	15,719	21,351	403	1,064	0.522	0.503	0.019	61.9	30.8	7.2	10069
Kenyewa-Poka	24,322	12,039	12,283	4,715	11,247	5,828	8,486	12,466	609	0.980	0.951	0.902	0.049	37.1	40.0	22.9	5170
Imaroro	17,028	8,744	8,284	3,274	7,951	4,136	5,683	8,523	554	1,056	0.998	0.933	0.065	27.2	45.4	27.4	3314
Kajiado West Constituency	114,448	57,106	57,342	24,818	54,352	24,824	37,791	56,891	3,205	0.996	1.012	0.955	0.056	35.1	46.4	18.5	25232
Keekonyokie	38,361	19,243	19,118	7,059	15,996	7,754	13,944	21,185	1,180	1,007	0.811	0.755	0.056	42.7	42.9	14.4	9328
Olodokilan	16,463	8,339	8,124	4,067	8,579	3,827	5,096	7,456	428	1,026	1.208	1.151	0.057	22.3	50.8	26.9	3090
Magadi	24,791	12,487	12,304	5,690	12,341	5,641	7,870	11,895	555	1,015	1.084	1.037	0.047	35.9	46.1	18.0	5533
Ewuaso Kedong	29,148	14,472	14,676	6,343	14,152	6,555	9,394	14,089	907	0.986	1.069	1.004	0.064	29.2	48.4	22.4	5986
Mosiro	5,685	2,565	3,120	1,659	3,284	1,047	1,487	2,266	135	0.822	1.509	1.449	0.060	33.8	53.4	12.8	1295
Kajiado South Constituency	134,741	67,166	67,575	29,854	65,738	29,763	42,834	65,061	3,942	0.994	1.071	1.010	0.061	35.4	43.4	21.2	29132
Eritonet/Lengism	23,043	11,201	11,842	5,437	12,155	5,454	6,936	10,257	631	0.946	1.247	1.185	0.062	27.9	47.9	24.1	4606
Imbirikani/Esselengei	18,352	9,251	9,101	4,643	9,336	3,746	5,929	8,601	415	1,016	1.134	1.085	0.048	32.2	46.8	20.9	3876
Kuku	36,523	18,360	18,163	7,699	17,204	7,870	11,789	18,278	1,041	1,011	0.998	0.941	0.057	38.6	42.7	18.6	8296
Rombo	37,179	18,511	18,668	7,886	17,810	8,444	11,795	18,159	1,210	0.992	1.047	0.981	0.067	36.7	40.8	22.4	8055
Kimana	19,644	9,843	9,801	4,189	9,233	4,249	6,385	9,766	645	1,004	1.011	0.945	0.066	37.1	41.7	21.2	4299

Table 10.2: Employment by County, Constituency and Wards

County/Constituency/ Wards	Work for pay	Family Business	Family Agricultural Holding	Intern/ Volunteer	Retired/ Home- maker	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
Kajiado County	32.9	14.4	14.2	1.1	16.6	12.2	0.3	8.2	378,243
Kajiado North Constituency	46.9	14.7	3.2	1.3	12.5	12.3	0.2	8.9	126,951
Olkeri	42.7	15.3	6.4	1.5	13.6	12.6	0.3	7.6	26,379
Ongat Rongai	47.2	15.0	2.8	1.5	10.8	13.7	0.2	8.9	30,585
Nkaimurunya	48.2	14.9	2.0	1.0	14.1	11.0	0.1	8.7	36,203
Oloolua	48.1	12.8	2.4	1.2	12.0	12.6	0.2	10.7	22,035
Ngong	49.4	16.2	2.3	1.2	10.3	11.8	0.3	8.7	11,749
Kajiado Central Constituency	20.6	16.8	16.1	1.1	24.0	12.8	0.4	8.2	48,895
Purko	15.1	17.8	21.7	1.7	19.7	18.8	0.2	5.0	2,360
Ildamat	35.6	11.7	5.2	1.2	19.2	18.5	0.3	8.4	4,952
Dalalekutuk	25.8	16.0	17.6	0.8	21.6	12.9	0.5	4.9	14,121
Matapato North	14.2	18.6	19.2	1.2	28.7	9.8	0.3	8.0	13,127
Matapato South	17.2	17.6	14.5	1.1	24.3	12.6	0.5	12.2	14,335
Kajiado East Constituency	42.2	13.9	6.8	1.1	15.3	12.2	0.2	8.3	80,445
Kaputiei North	42.4	11.8	6.6	1.0	18.2	13.9	0.2	5.9	17,009
Kitengela	55.0	16.2	3.3	1.2	9.7	8.0	0.1	6.6	21,096
Oloosirkon/Sholinke	48.1	15.1	4.6	1.2	12.0	8.9	0.2	10.0	21,351
Kenyewa-Poka	23.7	11.7	10.3	1.0	23.4	17.7	0.4	11.9	12,466
Imaroro	22.2	12.7	16.8	1.2	20.1	19.0	0.4	7.8	8,523
Kajiado West Constituency	20.6	15.8	21.6	1.0	21.6	12.6	0.2	6.5	56,891
Keekonyokie	28.8	19.1	10.0	1.3	18.2	13.9	0.3	8.4	21,185
Oloodokilan	13.6	11.1	29.3	0.6	28.0	13.7	0.3	3.5	7,456
Magadi	17.1	9.0	42.6	0.7	17.2	9.2	0.2	4.1	11,895
Ewuaso Kedong	17.5	16.8	18.2	1.3	24.0	14.3	0.1	7.9	14,089
Mosiro	3.8	31.1	14.7	0.1	42.0	4.8	0.4	3.1	2,266
Kajiado South Constituency	14.4	11.4	37.1	1.0	16.4	11.1	0.5	8.2	65,061
Entonet/Lengism	7.2	5.6	37.3	1.3	28.1	11.7	0.6	8.5	10,257

Imbirikani/Esselengei	11.8	8.2	41.0	1.1	22.0	9.2	0.3	6.5	8,601
Kuku	17.0	18.1	27.0	1.0	11.0	12.3	0.6	13.0	18,278
Rombo	14.5	10.6	45.5	1.0	12.4	11.1	0.4	4.5	18,159
Kimana	19.1	9.4	36.5	0.8	17.0	9.6	0.3	7.3	9,766

Table 10.3: Employment and Education Levels by County, Constituency and Wards

County /constitu- ency/Wards	Education Totallevel	Work for pay	Family Business	Family Agricultural Holding	Intern/Vol- unteer	Retired/ Homemaker	Fulltime Student	Incapaci- tated	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
Kajiado	Total	32.9	14.4	14.2	1.1	16.6	12.2	0.3	8.2	378,243
Kajiado	None	12.4	13.9	30.8	1.3	31.2	0.4	0.7	9.4	84,381
Kajiado	Primary	32.4	13.8	15.1	0.9	15.9	13.9	0.2	7.8	129,102
Kajiado	Secondary+	43.9	15.2	5.0	1.3	9.7	16.9	0.1	7.9	164,760
Kajiado North Constituency	Total	46.9	14.7	3.2	1.3	12.5	12.3	0.2	8.9	126,951
Kajiado North Constituency	None	40.6	14.6	7.3	3.4	19.6	2.8	1.1	10.6	4,195
Kajiado North Constituency	Primary	47.6	14.3	4.0	1.0	17.7	5.9	0.2	9.3	38,880
Kajiado North Constituency	Secondary+	46.9	14.9	2.6	1.3	9.7	15.8	0.2	8.6	83,876
Olkeri Wards	Total	42.7	15.3	6.4	1.5	13.6	12.6	0.3	7.6	26,379
Olkeri Wards	None	36.7	15.7	13.8	4.2	18.2	1.9	1.4	8.1	803
Olkeri Wards	Primary	45.3	14.4	8.0	1.2	17.4	5.6	0.3	7.9	9,125
Olkeri Wards	Secondary+	41.5	15.7	5.1	1.6	11.3	17.0	0.3	7.5	16,451
Ongat Rongai Wards	Total	47.2	15.0	2.8	1.5	10.8	13.7	0.2	8.9	30,585

Ongat Rongai Wards	None	36.8	15.2	7.6	4.2	23.1	2.1	0.8	10.2	955
Ongat Rongai Wards	Primary	47.3	14.9	4.0	1.2	18.0	6.2	0.3	8.2	6,354
Ongat Rongai Wards	Secondary+	47.6	15.0	2.2	1.4	8.4	16.3	0.1	9.0	23,276
Nkaimurunya Wards	Total	48.2	14.9	2.0	1.0	14.1	11.0	0.1	8.7	36,203
Nkaimurunya Wards	None	44.1	13.2	4.7	3.3	19.1	4.2	0.7	10.7	1,226
Nkaimurunya Wards	Primary	48.5	14.4	2.2	0.7	19.1	5.3	0.1	9.7	12,704
Nkaimurunya Wards	Secondary+	48.3	15.2	1.7	1.1	10.9	14.6	0.1	8.1	22,273
Oloolua Wards	Total	48.1	12.8	2.4	1.2	12.0	12.6	0.2	10.7	22,035
Oloolua Wards	None	42.6	13.5	4.6	2.4	19.5	3.0	1.4	13.1	843
Oloolua Wards	Primary	48.6	11.7	2.7	0.7	17.1	7.4	0.2	11.6	6,734
Oloolua Wards	Secondary+	48.2	13.3	2.2	1.4	9.1	15.5	0.2	10.1	14,458
Ngong Wards	Total	49.4	16.2	2.3	1.2	10.3	11.8	0.3	8.7	11,749
Ngong Wards	None	42.4	17.4	7.3	2.7	15.5	1.4	2.5	10.9	368
Ngong Wards	Primary	48.9	17.2	3.1	1.0	14.3	6.0	0.4	9.1	3,963
Ngong Wards	Secondary+	50.0	15.6	1.6	1.2	8.0	15.3	0.1	8.3	7,418
Kajiado Central Constituency	Total	20.6	16.8	16.1	1.1	24.0	12.8	0.4	8.2	48,895
Kajiado Central Constituency	None	10.7	16.4	24.2	0.9	36.7	0.3	0.7	10.1	21,669
Kajiado Central Constituency	Primary	22.1	16.5	12.7	1.0	16.7	24.1	0.3	6.7	14,930
Kajiado Central Constituency	Secondary+	36.3	18.1	5.9	1.5	10.2	21.2	0.1	6.7	12,296
Purko Wards	Total	15.1	17.8	21.7	1.7	19.7	18.8	0.2	5.0	2,360
Purko Wards	None	11.9	22.6	29.7	0.7	29.0	0.5	0.2	5.5	1,116
Purko Wards	Primary	14.6	13.7	15.4	2.5	12.0	37.3	0.1	4.6	879
Purko Wards	Secondary+	26.0	13.2	12.9	3.0	9.9	30.1	0.3	4.7	365
Ildamat Wards	Total	35.6	11.7	5.2	1.2	19.2	18.5	0.3	8.4	4,952
Ildamat Wards	None	21.1	13.4	8.9	1.1	39.2	0.7	0.9	14.8	1,056
Ildamat Wards	Primary	28.3	10.0	6.2	0.9	20.0	27.2	0.3	7.2	1,626
Ildamat Wards	Secondary+	47.5	12.1	2.7	1.4	9.3	20.7	0.1	6.4	2,270
Dalalekutuk Wards	Total	25.8	16.0	17.6	0.8	21.6	12.9	0.5	4.9	14,121
Dalalekutuk Wards	None	11.9	15.3	33.5	0.7	32.8	0.4	1.1	4.2	4,173
Dalalekutuk Wards	Primary	25.8	14.0	15.4	0.6	20.5	18.7	0.3	4.7	5,208
Dalalekutuk Wards	Secondary+	38.0	18.9	6.0	1.0	12.9	17.5	0.1	5.7	4,740

Matapato North Wards	Total	14.2	18.6	19.2	1.2	28.7	9.8	0.3	8.0	13,127
Matapato North Wards	None	8.7	17.3	23.7	1.1	39.7	0.2	0.4	8.9	7,846
Matapato North Wards	Primary	19.0	20.1	13.9	1.1	14.0	25.5	0.2	6.2	3,366
Matapato North Wards	Secondary+	28.0	21.5	10.1	1.9	9.4	21.8	0.2	7.2	1,915
Matapato South Wards	Total	17.2	17.6	14.5	1.1	24.3	12.6	0.5	12.2	14,335
Matapato South Wards	None	10.4	15.6	20.9	0.8	36.6	0.3	0.8	14.8	7,478
Matapato South Wards	Primary	19.0	19.9	10.0	1.2	13.6	25.8	0.3	10.2	3,851
Matapato South Wards	Secondary+	31.6	19.9	4.4	2.0	7.5	26.3	0.1	8.3	3,006
Kajiado East Constituency	Total	42.2	13.9	6.8	1.1	15.3	12.2	0.2	8.3	80,445
Kajiado East Constituency	None	23.0	12.0	16.1	1.7	35.1	0.6	0.8	10.7	10,122
Kajiado East Constituency	Primary	39.6	13.2	7.6	0.9	16.9	13.5	0.2	8.1	29,551
Kajiado East Constituency	Secondary+	48.8	14.9	4.0	1.1	9.3	14.1	0.1	7.8	40,772
Kaputiei North Wards	Total	42.4	11.8	6.6	1.0	18.2	13.9	0.2	5.9	17,009
Kaputiei North Wards	None	23.5	11.3	11.5	1.3	42.9	0.5	0.9	8.2	2,823
Kaputiei North Wards	Primary	43.5	11.5	6.3	0.8	17.0	15.5	0.2	5.4	7,460
Kaputiei North Wards	Secondary+	49.2	12.3	4.8	1.0	9.1	17.8	0.1	5.6	6,726
Kitengela Wards	Total	55.0	16.2	3.3	1.2	9.7	8.0	0.1	6.6	21,096
Kitengela Wards	None	50.0	13.8	6.9	3.9	15.8	1.8	1.0	6.9	798
Kitengela Wards	Primary	55.2	15.2	4.0	1.2	13.0	4.8	0.1	6.6	5,997
Kitengela Wards	Secondary+	55.2	16.8	2.7	1.1	7.9	9.7	0.1	6.5	14,301
Oloosirkon/Sholinke Wards	Total	48.1	15.1	4.6	1.2	12.0	8.9	0.2	10.0	21,351
Oloosirkon/Sholinke Wards	None	37.0	15.9	13.2	3.5	16.0	0.7	0.7	13.1	1,229
Oloosirkon/Sholinke Wards	Primary	45.4	14.1	5.8	1.1	15.9	7.4	0.1	10.1	6,917
Oloosirkon/Sholinke Wards	Secondary+	50.5	15.6	3.1	1.1	9.5	10.5	0.1	9.6	13,205
Kenyewa-Poka Wards	Total	23.7	11.7	10.3	1.0	23.4	17.7	0.4	11.9	12,466
Kenyewa-Poka Wards	None	12.8	10.2	17.7	0.7	42.2	0.5	0.7	15.2	3,310
Kenyewa-Poka Wards	Primary	21.4	12.9	9.3	0.7	20.8	23.0	0.3	11.5	4,930
Kenyewa-Poka Wards	Secondary+	34.8	11.4	5.7	1.4	11.7	25.1	0.2	9.6	4,226
Imaroro Wards	Total	22.2	12.7	16.8	1.2	20.1	19.0	0.4	7.8	8,523
Imaroro Wards	None	19.7	13.0	25.7	1.8	31.8	0.3	1.0	6.8	1,962
Imaroro Wards	Primary	22.3	12.3	15.8	0.9	19.3	21.5	0.2	7.9	4,247

Imaroro Wards	Secondary+	24.0	13.1	11.1	1.2	11.8	30.2	0.2	8.5	2,314
Kajiado West Constituency	Total	20.6	15.8	21.6	1.0	21.6	12.6	0.2	6.5	56,891
Kajiado West Constituency	None	8.6	16.8	33.7	0.9	32.8	0.3	0.4	6.6	23,310
Kajiado West Constituency	Primary	23.8	14.4	17.6	0.9	16.4	20.5	0.2	6.2	17,764
Kajiado West Constituency	Secondary+	34.5	16.0	8.1	1.4	11.1	22.0	0.1	6.8	15,817
Keekonyokie Wards	Total	28.8	19.1	10.0	1.3	18.2	13.9	0.3	8.4	21,185
Keekonyokie Wards	None	15.9	19.1	20.9	1.2	30.4	0.5	0.8	11.1	4,271
Keekonyokie Wards	Primary	30.6	18.8	9.2	1.0	18.1	13.9	0.2	8.3	8,307
Keekonyokie Wards	Secondary+	33.5	19.4	5.3	1.5	12.4	20.7	0.1	7.3	8,607
Oloodokilan Wards	Total	13.6	11.1	29.3	0.6	28.0	13.7	0.3	3.5	7,456
Oloodokilan Wards	None	10.1	11.5	34.1	0.6	39.5	0.4	0.4	3.5	4,075
Oloodokilan Wards	Primary	15.3	9.9	25.2	0.5	16.5	29.6	0.2	2.8	2,575
Oloodokilan Wards	Secondary+	26.3	12.5	18.2	1.1	6.3	29.8	0.3	5.5	806
Magadi Wards	Total	17.1	9.0	42.6	0.7	17.2	9.2	0.2	4.1	11,895
Magadi Wards	None	6.9	10.1	53.2	0.5	24.2	0.2	0.2	4.7	6,713
Magadi Wards	Primary	14.9	8.1	41.8	0.9	8.7	22.3	0.1	3.4	2,833
Magadi Wards	Secondary+	49.0	6.7	13.5	1.2	7.2	19.2	0.0	3.3	2,349
Ewuaso Kedong Wards	Total	17.5	16.8	18.2	1.3	24.0	14.3	0.1	7.9	14,089
Ewuaso Kedong Wards	None	6.7	20.7	26.8	1.4	35.3	0.3	0.2	8.6	6,247
Ewuaso Kedong Wards	Primary	22.2	12.5	13.5	1.0	18.2	26.3	0.0	6.4	3,885
Ewuaso Kedong Wards	Secondary+	29.9	14.9	9.2	1.4	11.6	24.6	0.1	8.3	3,957
Mosiro Wards	Total	3.8	31.1	14.7	0.1	42.0	4.8	0.4	3.1	2,266
Mosiro Wards	None	2.0	32.7	15.8	0.2	45.6	0.1	0.3	3.4	2,004
Mosiro Wards	Primary	7.9	19.5	7.9	-	17.1	45.7	-	1.8	164
Mosiro Wards	Secondary+	35.7	16.3	3.1	-	10.2	32.7	2.0	-	98
Kajiado South Constituency	Total	14.4	11.4	37.1	1.0	16.4	11.1	0.5	8.2	65,061
Kajiado South Constituency	None	8.4	9.9	43.6	1.4	25.3	0.2	0.8	10.5	25,085
Kajiado South Constituency	Primary	14.5	11.7	38.2	0.7	11.9	15.8	0.3	7.0	27,977
Kajiado South Constituency	Secondary+	26.5	14.0	20.8	1.2	8.4	22.7	0.2	6.2	11,999
Entonet/Lengism Wards	Total	7.2	5.6	37.3	1.3	28.1	11.7	0.6	8.5	10,257
Entonet/Lengism Wards	None	4.8	5.6	42.7	1.2	36.1	0.2	0.8	8.7	5,787

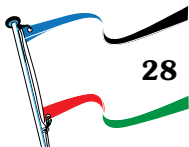
Entonet/Lengism Wards	Primary	7.8	4.9	33.2	1.0	19.3	25.7	0.3	7.8	3,496
Entonet/Lengism Wards	Secondary+	19.2	7.4	19.7	2.8	11.6	29.2	0.3	9.9	974
Imbirikani/Es-selengei Wards	Total	11.8	8.2	41.0	1.1	22.0	9.2	0.3	6.5	8,601
Imbirikani/Es-selengei Wards	None	7.4	8.6	43.3	1.5	32.4	0.1	0.5	6.2	4,922
Imbirikani/Es-selengei Wards	Primary	13.0	7.5	43.2	0.5	9.6	19.0	-	7.3	2,625
Imbirikani/Es-selengei Wards	Secondary+	29.1	8.1	24.9	1.0	4.2	27.1	0.2	5.5	1,054
Kuku Wards	Total	17.0	18.1	27.0	1.0	11.0	12.3	0.6	13.0	18,278
Kuku Wards	None	7.6	16.5	37.5	1.1	15.8	0.2	1.1	20.2	5,865
Kuku Wards	Primary	16.1	18.4	27.5	0.7	9.5	16.6	0.4	10.8	8,039
Kuku Wards	Secondary+	31.1	19.6	12.3	1.3	7.3	20.8	0.2	7.5	4,374
Rombo Wards	Total	14.5	10.6	45.5	1.0	12.4	11.1	0.4	4.5	18,159
Rombo Wards	None	11.0	9.2	52.8	1.9	17.8	0.1	0.7	6.5	5,519
Rombo Wards	Primary	13.7	10.6	47.9	0.6	10.5	13.0	0.3	3.4	9,038
Rombo Wards	Secondary+	22.0	12.7	28.3	0.9	8.9	23.0	0.2	3.9	3,602
Kimana Wards	Total	19.1	9.4	36.5	0.8	17.0	9.6	0.3	7.3	9,766
Kimana Wards	None	13.6	8.2	41.3	1.3	25.4	0.3	0.6	9.4	2,992
Kimana Wards	Primary	19.4	9.7	38.5	0.6	14.3	10.8	0.2	6.6	4,779
Kimana Wards	Secondary+	26.8	10.5	24.5	0.7	10.8	20.8	0.1	5.9	1,995

Table 10.4: 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	14,757,992
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
Kajiado	Total	36.4	14.9	13.5	1.1	15.3	10.6	0.2	8.0	277,898
Kajiado	None	14.3	14.6	31.7	1.3	27.3	0.4	0.6	9.9	52,200
Kajiado	Primary	35.4	14.1	15.0	0.9	16.2	10.6	0.2	7.6	97,252
Kajiado	Secondary+	46.0	15.6	4.9	1.3	9.8	14.8	0.1	7.5	128,446
Kajiado North Constituency	Total	48.4	14.8	3.1	1.2	12.8	11.1	0.2	8.4	101,001
Kajiado North Constituency	None	43.6	14.1	7.1	3.2	18.5	2.3	0.9	10.4	2,966
Kajiado North Constituency	Primary	49.0	13.9	3.9	0.9	18.2	5.1	0.2	8.9	31,581
Kajiado North Constituency	Secondary+	48.4	15.3	2.6	1.3	9.9	14.3	0.2	8.0	66,454
Olkeri Ward	Total	44.2	15.2	6.4	1.4	13.8	11.6	0.3	7.0	21,571
Olkeri Ward	None	38.1	15.7	13.4	3.9	17.4	2.9	1.2	7.4	591
Olkeri Ward	Primary	46.7	13.9	8.1	1.1	17.8	4.7	0.1	7.5	7,521
Olkeri Ward	Secondary+	43.1	15.9	5.1	1.5	11.5	15.9	0.3	6.8	13,459
Ongat Rongai Ward	Total	48.4	15.3	2.7	1.4	11.1	12.5	0.1	8.4	23,922
Ongat Rongai Ward	None	37.8	15.6	8.2	3.9	22.2	1.8	0.6	10.0	672
Ongat Rongai Ward	Primary	48.1	14.7	3.6	1.1	18.9	5.4	0.2	8.1	5,069
Ongat Rongai Ward	Secondary+	48.9	15.5	2.2	1.5	8.6	14.9	0.1	8.4	18,181
Nkaimurunya Ward	Total	50.0	14.8	1.9	1.0	14.3	9.5	0.1	8.4	29,007
Nkaimurunya Ward	None	49.3	10.7	4.9	3.1	18.9	2.0	0.5	10.7	871
Nkaimurunya Ward	Primary	49.8	13.8	2.1	0.7	19.3	4.7	0.1	9.3	10,512
Nkaimurunya Ward	Secondary+	50.1	15.5	1.6	1.0	11.2	12.7	0.1	7.8	17,624
Oloolua Ward	Total	49.8	12.9	2.3	1.2	12.1	11.5	0.2	10.0	17,553
Oloolua Ward	None	44.8	14.9	3.6	1.8	16.9	3.4	1.3	13.3	611
Oloolua Ward	Primary	50.6	11.2	2.6	0.7	17.6	6.3	0.1	10.9	5,414
Oloolua Ward	Secondary+	49.7	13.6	2.2	1.3	9.3	14.3	0.2	9.4	11,528
Ngong Ward	Total	51.0	16.6	2.1	1.1	10.9	10.1	0.2	8.0	8,948
Ngong Ward	None	49.8	16.3	5.4	3.2	13.1	0.5	1.8	10.0	221
Ngong Ward	Primary	50.0	17.3	2.7	0.8	15.4	5.1	0.3	8.4	3,065
Ngong Ward	Secondary+	51.6	16.3	1.6	1.1	8.3	13.2	0.1	7.7	5,662

Kajiado Central Constituency	Total	24.6	18.5	15.1	1.2	20.7	11.1	0.3	8.4	31,505
Kajiado Central Constituency	None	12.7	17.9	24.4	0.9	32.0	0.3	0.6	11.2	12,415
Kajiado Central Constituency	Primary	26.3	18.7	12.5	1.1	16.6	18.0	0.2	6.7	10,036
Kajiado Central Constituency	Secondary+	39.2	19.2	5.4	1.7	9.8	18.4	0.1	6.3	9,054
Purko Ward	Total	18.7	20.1	21.1	2.2	17.3	14.9	0.2	5.4	1,291
Purko Ward	None	12.7	25.6	29.0	0.9	25.0	0.3	0.3	6.2	583
Purko Ward	Primary	18.6	16.2	16.0	3.1	11.9	29.5	-	4.7	488
Purko Ward	Secondary+	35.0	14.5	11.8	3.6	8.6	20.9	0.5	5.0	220
Ildamat Ward	Total	40.8	12.6	4.9	1.4	16.4	16.0	0.2	7.7	3,276
Ildamat Ward	None	25.7	14.3	8.2	1.3	33.7	0.2	0.7	15.9	596
Ildamat Ward	Primary	34.4	10.8	6.2	1.0	19.2	21.0	0.1	7.4	1,038
Ildamat Ward	Secondary+	50.2	13.2	3.0	1.7	8.3	18.6	0.1	4.9	1,642
Dalalekutuk Ward	Total	30.2	16.9	16.5	0.8	20.0	10.3	0.4	5.0	9,593
Dalalekutuk Ward	None	13.6	15.1	34.4	0.6	30.1	0.4	1.1	4.8	2,532
Dalalekutuk Ward	Primary	30.1	15.4	14.7	0.6	20.2	14.7	0.2	4.1	3,587
Dalalekutuk Ward	Secondary+	42.4	19.6	5.4	1.0	12.4	13.1	0.0	6.0	3,474
Matapato North Ward	Total	17.7	20.5	19.0	1.4	23.5	9.6	0.2	8.1	8,103
Matapato North Ward	None	11.0	18.9	25.1	1.2	34.1	0.1	0.3	9.5	4,315
Matapato North Ward	Primary	23.7	22.8	14.2	1.3	13.5	17.9	0.1	6.5	2,249
Matapato North Ward	Secondary+	27.9	21.8	9.0	2.1	8.4	24.0	0.1	6.7	1,539
Matapato South Ward	Total	20.0	20.4	13.0	1.3	21.0	11.1	0.5	12.7	9,242
Matapato South Ward	None	12.2	18.0	19.5	0.8	31.7	0.3	0.7	16.7	4,389
Matapato South Ward	Primary	21.4	23.1	9.9	1.3	14.2	19.4	0.4	10.4	2,674
Matapato South Ward	Secondary+	34.1	21.7	3.9	2.2	7.9	22.5	0.0	7.6	2,179
Kajiado East Constituency	Total	45.5	14.2	6.5	1.1	14.3	10.1	0.2	8.1	61,071
Kajiado East Constituency	None	26.7	13.3	15.9	1.8	29.7	0.4	0.7	11.4	6,539
Kajiado East Constituency	Primary	43.0	13.3	7.5	0.9	16.8	10.4	0.2	7.9	22,647
Kajiado East Constituency	Secondary+	51.1	15.0	3.9	1.1	9.4	11.8	0.1	7.5	31,885
Kaputiei North Ward	Total	47.6	12.3	6.4	1.0	16.2	10.6	0.2	5.7	12,664
Kaputiei North Ward	None	26.8	13.6	12.1	1.3	36.2	0.4	0.8	8.9	1,676
Kaputiei North Ward	Primary	48.3	11.8	6.3	0.8	16.8	10.7	0.1	5.3	5,723



Kaputiei North Ward	Secondary+	53.5	12.5	4.8	1.1	9.3	13.7	0.0	5.1	5,265
Kitengela Ward	Total	55.7	16.2	3.1	1.2	9.8	7.3	0.1	6.5	16,814
Kitengela Ward	None	53.0	14.4	6.5	3.9	12.6	1.5	1.2	7.0	589
Kitengela Ward	Primary	56.2	14.6	4.1	1.1	13.4	4.0	0.1	6.5	4,886
Kitengela Ward	Secondary+	55.7	17.0	2.6	1.1	8.2	9.0	0.1	6.4	11,339
Oloosirkon/Sholinke Ward	Total	49.5	14.6	4.5	1.1	12.4	7.9	0.2	9.7	17,319
Oloosirkon/Sholinke Ward	None	40.1	15.6	11.4	3.2	14.5	0.4	0.9	13.9	940
Oloosirkon/Sholinke Ward	Primary	47.4	13.3	5.7	1.0	16.4	6.3	0.1	9.8	5,672
Oloosirkon/Sholinke Ward	Secondary+	51.5	15.2	3.2	1.0	10.2	9.4	0.1	9.3	10,707
Kenyewa-Poka Ward	Total	27.5	12.4	10.5	1.1	21.5	14.9	0.3	11.8	8,383
Kenyewa-Poka Ward	None	15.4	11.1	18.0	0.9	37.9	0.2	0.6	15.9	2,026
Kenyewa-Poka Ward	Primary	23.4	13.8	10.1	0.8	20.9	19.0	0.3	11.6	3,375
Kenyewa-Poka Ward	Secondary+	40.3	11.6	6.0	1.5	11.0	20.3	0.2	9.1	2,982
Imaroro Ward	Total	25.2	14.0	16.9	1.2	18.5	16.3	0.3	7.7	5,891
Imaroro Ward	None	22.4	14.2	25.3	2.0	27.4	0.2	0.7	7.8	1,308
Imaroro Ward	Primary	24.9	13.7	15.9	0.9	18.5	18.3	0.2	7.5	2,991
Imaroro Ward	Secondary+	27.8	14.2	11.6	1.2	11.1	25.9	0.2	8.0	1,592
Kajiado West Constituency	Total	24.1	16.5	21.0	1.0	19.5	10.9	0.2	6.7	39,555
Kajiado West Constituency	None	9.9	17.3	35.0	0.8	29.1	0.2	0.4	7.2	14,435
Kajiado West Constituency	Primary	27.0	15.4	17.9	0.9	16.9	15.4	0.1	6.4	12,834
Kajiado West Constituency	Secondary+	37.7	16.7	7.9	1.4	10.9	18.7	0.1	6.6	12,286
Keekonyokie Ward	Total	31.3	19.9	9.9	1.3	17.2	12.0	0.2	8.3	15,752
Keekonyokie Ward	None	17.5	20.1	22.6	1.3	25.5	0.5	0.7	11.8	2,725
Keekonyokie Ward	Primary	33.0	19.4	9.2	1.0	18.7	10.4	0.1	8.2	6,305
Keekonyokie Ward	Secondary+	35.3	20.2	5.4	1.5	12.3	18.2	0.1	6.9	6,722
Oloodokilan Ward	Total	15.8	11.8	30.7	0.5	25.4	11.5	0.4	3.8	4,929
Oloodokilan Ward	None	11.4	12.0	35.6	0.4	36.2	0.3	0.4	3.7	2,598
Oloodokilan Ward	Primary	18.1	11.0	27.1	0.5	15.6	24.1	0.3	3.2	1,779
Oloodokilan Ward	Secondary+	29.5	13.9	19.0	1.4	6.0	23.2	0.4	6.5	552
Magadi Ward	Total	22.6	8.2	41.5	0.7	14.6	7.9	0.2	4.4	7,972
Magadi Ward	None	8.9	9.3	54.3	0.4	21.2	0.1	0.2	5.5	4,057

Magadi Ward	Primary	17.8	8.1	44.2	0.7	8.7	17.0	0.2	3.4	1,949
Magadi Ward	Secondary+	55.6	6.0	12.3	1.0	7.0	14.8	0.1	3.2	1,966
Ewuaso Kedong Ward	Total	20.1	17.8	18.5	1.2	22.1	12.1	0.1	8.1	9,767
Ewuaso Kedong Ward	None	6.9	21.5	29.0	1.4	31.9	0.2	0.2	9.1	4,040
Ewuaso Kedong Ward	Primary	26.1	14.0	13.8	0.9	19.4	19.4	-	6.5	2,733
Ewuaso Kedong Ward	Secondary+	32.6	16.4	8.6	1.3	11.4	21.4	0.1	8.2	2,994
Mosiro Ward	Total	4.2	37.7	12.8	-	38.2	3.7	0.6	2.7	1,135
Mosiro Ward	None	2.0	39.1	13.7	-	41.6	0.1	0.5	3.1	1,015
Mosiro Ward	Primary	10.3	29.4	7.4	-	13.2	39.7	-	-	68
Mosiro Ward	Secondary+	40.4	21.2	1.9	-	5.8	26.9	3.8	-	52
Kajiado South Constituency	Total	15.8	11.8	38.5	1.0	15.0	9.7	0.4	7.8	44,766
Kajiado South Constituency	None	9.1	10.0	45.5	1.3	22.6	0.2	0.7	10.6	15,845
Kajiado South Constituency	Primary	15.5	12.0	40.4	0.7	12.0	12.6	0.2	6.5	20,154
Kajiado South Constituency	Secondary+	28.6	14.7	21.5	1.1	8.3	20.0	0.2	5.6	8,767
Entonet/Lengism Ward	Total	9.1	6.1	38.0	1.3	26.5	9.9	0.4	8.6	6,307
Entonet/Lengism Ward	None	6.0	6.4	44.2	1.2	32.7	0.3	0.6	8.7	3,392
Entonet/Lengism Ward	Primary	9.8	5.2	33.9	1.1	21.5	20.3	0.2	8.0	2,287
Entonet/Lengism Ward	Secondary+	23.7	8.1	19.6	2.9	11.6	23.9	0.3	9.9	628
Imbirikani/Esselengei Ward	Total	12.9	7.9	43.8	1.0	19.5	7.3	0.3	7.4	5,881
Imbirikani/Esselengei Ward	None	8.5	8.3	45.0	1.3	29.1	0.1	0.5	7.2	3,229
Imbirikani/Esselengei Ward	Primary	13.6	7.2	47.4	0.4	9.0	14.0	-	8.3	1,915
Imbirikani/Esselengei Ward	Secondary+	30.1	7.7	28.9	1.1	4.7	21.6	-	5.8	737
Kuku Ward	Total	18.6	18.3	28.2	1.0	10.0	11.2	0.5	12.1	12,994
Kuku Ward	None	8.1	16.0	39.7	1.2	13.5	0.1	1.3	20.2	3,733
Kuku Ward	Primary	17.1	19.0	29.8	0.7	9.4	13.6	0.3	10.0	5,919
Kuku Ward	Secondary+	33.0	19.7	12.5	1.4	7.3	19.3	0.1	6.6	3,342
Rombo Ward	Total	15.1	11.3	46.7	0.9	11.9	9.8	0.3	4.0	12,965
Rombo Ward	None	10.8	10.3	53.8	1.5	16.5	0.0	0.6	6.4	3,633
Rombo Ward	Primary	14.2	10.8	49.8	0.6	10.7	10.7	0.2	3.0	6,680
Rombo Ward	Secondary+	23.4	13.7	29.0	0.6	8.6	20.9	0.2	3.6	2,652
Kimana Ward	Total	20.4	9.2	38.5	0.9	16.0	8.2	0.3	6.5	6,619

Kimana Ward	None	14.6	7.1	44.4	1.3	22.7	0.3	0.4	9.3	1,858
Kimana Ward	Primary	19.9	9.5	40.8	0.6	14.5	8.8	0.3	5.6	3,353
Kimana Ward	Secondary+	29.3	11.1	25.4	0.8	10.9	17.5	0.1	5.0	1,408

Table 10.5: Employment and Education Levels in Female Headed Households by County, Constituency and Wards

County, Constituency and Wards	Education Level reached	Work for Pay	Family Business	Family Agri-cultural holding	Internal/ Volunteer	Re-tired/ Home-maker	Fulltime Student	Incapacitated	No work	Population(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
Kajiado	Total	23.5	13.1	16.1	1.2	20.0	17.0	.4	8.7	101172
Kajiado	None	9.2	12.9	29.3	1.2	37.6	.5	.7	8.5	32172
Kajiado	Primary	23.1	12.7	15.2	.9	14.9	24.4	.3	8.3	32005
Kajiado	Secondary+	36.2	13.5	5.5	1.4	9.1	25.0	.1	9.3	36995
Kajiado North Constituency	Total	40.9	14.2	3.4	1.6	11.3	17.5	.3	10.8	26072
Kajiado North Constituency	None	32.9	15.5	8.2	4.1	21.9	4.7	1.7	10.9	1243
Kajiado North Constituency	Primary	41.7	16.1	4.6	1.3	15.3	9.6	.4	11.0	7327
Kajiado North Constituency	Secondary+	41.1	13.3	2.6	1.5	8.8	21.7	.1	10.8	17502
Olkeri Ward	Total	35.8	15.3	6.8	1.9	12.7	16.9	.4	10.2	4829
Olkeri Ward	None	31.6	14.7	16.4	4.4	18.7	3.1	1.8	9.3	225
Olkeri Ward	Primary	38.7	16.6	7.7	1.7	15.6	9.4	.7	9.5	1614
Olkeri Ward	Secondary+	34.5	14.6	5.6	1.8	10.6	22.0	.2	10.6	2990
Ongat Rongai Ward	Total	42.8	13.4	2.9	1.6	9.7	18.7	.2	10.7	6724
Ongat Rongai Ward	None	34.3	14.1	6.4	4.9	25.4	2.8	1.4	10.6	283
Ongat Rongai Ward	Primary	44.4	15.6	5.4	1.6	14.6	9.5	.4	8.5	1285
Ongat Rongai Ward	Secondary+	42.8	12.8	2.2	1.4	7.6	21.9	.1	11.3	5156
Nkaimurunya Ward	Total	41.0	15.2	2.3	1.3	12.8	17.3	.1	10.0	7191
Nkaimurunya Ward	None	31.0	19.4	4.2	3.9	19.4	10.1	1.1	10.7	355
Nkaimurunya Ward	Primary	41.5	17.1	2.7	.9	17.8	8.6	.0	11.3	2203
Nkaimurunya Ward	Secondary+	41.5	14.0	1.9	1.3	10.0	22.0	.0	9.3	4633

Oloolua Ward	Total	41.3	12.5	2.7	1.8	11.3	17.0	.3	13.1	4527
Oloolua Ward	None	36.5	9.9	7.3	4.3	26.2	1.7	1.7	12.4	233
Oloolua Ward	Primary	40.6	13.7	3.2	.9	14.9	12.1	.2	14.4	1327
Oloolua Ward	Secondary+	42.0	12.1	2.2	2.0	8.5	20.5	.2	12.6	2967
Ngong Ward	Total	44.1	14.7	2.9	1.5	8.6	17.0	.5	10.8	2801
Ngong Ward	None	31.3	19.0	10.2	2.0	19.0	2.7	3.4	12.2	147
Ngong Ward	Primary	45.2	17.0	4.2	1.6	10.5	9.1	.8	11.6	898
Ngong Ward	Secondary+	44.6	13.2	1.5	1.4	6.7	22.2	.1	10.3	1756
Kajiado Central Constituency	Total	13.2	13.6	17.5	.9	29.4	17.1	.5	7.8	17640
Kajiado Central Constituency	None	8.0	14.3	24.0	.9	43.1	.4	.7	8.7	9250
Kajiado Central Constituency	Primary	13.5	11.8	12.9	.8	16.8	37.2	.4	6.6	4949
Kajiado Central Constituency	Secondary+	26.5	14.2	6.9	1.0	10.8	33.1	.2	7.4	3441
Purko Ward	Total	10.7	15.0	22.5	1.2	22.6	23.5	.1	4.5	1069
Purko Ward	None	11.1	19.3	30.4	.6	33.4	.6	0.0	4.7	533
Purko Ward	Primary	9.5	10.5	14.6	1.8	12.0	47.1	.3	4.3	391
Purko Ward	Secondary+	12.4	11.0	14.5	2.1	11.7	44.1	0.0	4.1	145
Ildamat Ward	Total	24.9	9.6	5.6	.7	24.2	24.8	.5	9.7	1708
Ildamat Ward	None	15.2	12.2	9.8	.9	46.3	1.3	1.1	13.3	460
Ildamat Ward	Primary	17.5	8.5	6.1	.9	21.4	38.1	.7	6.8	588
Ildamat Ward	Secondary+	38.3	8.8	2.3	.5	11.2	29.2	0.0	9.7	660
Dalalekutuk Ward	Total	16.4	14.2	19.7	.7	24.8	18.8	.7	4.7	4561
Dalalekutuk Ward	None	9.4	15.6	32.1	.9	37.0	.4	1.2	3.4	1640
Dalalekutuk Ward	Primary	16.0	10.7	16.5	.5	20.9	29.1	.5	5.8	1655
Dalalekutuk Ward	Secondary+	25.8	16.8	7.7	.9	14.1	29.3	.4	5.1	1266
Matapato North Ward	Total	8.2	15.0	19.0	1.0	35.8	13.1	.4	7.5	5191
Matapato North Ward	None	6.0	15.3	22.1	1.0	46.6	.3	.5	8.2	3531
Matapato North Ward	Primary	9.5	14.8	13.4	.7	14.9	40.9	.3	5.6	1117
Matapato North Ward	Secondary+	19.7	14.0	10.5	.9	9.0	39.0	.4	6.4	543
Matapato South Ward	Total	12.0	12.6	17.1	.9	30.1	15.7	.5	11.1	5111
Matapato South Ward	None	7.9	12.1	22.8	.7	43.5	.3	.8	11.9	3086
Matapato South Ward	Primary	13.3	12.5	10.1	.9	12.1	41.5	.2	9.4	1198
Matapato South Ward	Secondary+	25.0	15.0	5.8	1.5	6.3	36.2	.1	10.2	827
Kajiado East Constituency	Total	31.7	13.0	7.8	1.2	18.4	18.8	.3	8.9	19344
Kajiado East Constituency	None	16.1	9.7	16.5	1.5	45.0	.9	1.0	9.4	3565
Kajiado East Constituency	Primary	28.4	12.8	7.8	1.0	17.2	23.8	.2	8.8	6903
Kajiado East Constituency	Secondary+	40.5	14.5	4.2	1.2	8.6	22.0	.1	8.9	8876
Kaputiei North Ward	Total	27.1	10.2	7.0	.9	23.9	23.9	.4	6.6	4333
Kaputiei North Ward	None	18.3	8.0	10.6	1.3	53.0	.7	1.0	7.1	1137
Kaputiei North Ward	Primary	27.1	10.6	6.1	.8	17.7	31.7	.2	5.7	1740
Kaputiei North Ward	Secondary+	33.9	11.5	5.2	.8	8.6	32.7	.1	7.3	1456
Kitengela Ward	Total	52.0	16.4	3.7	1.3	9.0	10.7	.1	6.9	4282
Kitengela Ward	None	41.6	12.0	8.1	3.8	24.9	2.4	.5	6.7	209
Kitengela Ward	Primary	50.9	17.6	3.9	1.4	11.5	7.9	0.0	6.8	1111
Kitengela Ward	Secondary+	53.1	16.2	3.3	1.1	6.9	12.4	.1	6.9	2962
Oloosirkon/Sholinke Ward	Total	41.7	17.3	5.1	1.8	9.8	13.1	.1	11.0	4027
Oloosirkon/Sholinke Ward	None	26.4	16.9	19.4	4.6	20.8	1.4	0.0	10.6	284
Oloosirkon/Sholinke Ward	Primary	36.6	17.7	6.4	1.8	13.6	12.1	.2	11.6	1245
Oloosirkon/Sholinke Ward	Secondary+	46.0	17.2	2.8	1.4	6.6	15.0	.1	10.8	2498
Kenyewa-Poka Ward	Total	15.8	10.3	9.9	.7	27.4	23.4	.5	12.0	4069
Kenyewa-Poka Ward	None	8.5	8.8	17.3	.5	49.0	.9	.9	14.1	1281
Kenyewa-Poka Ward	Primary	17.1	11.0	7.6	.5	20.5	31.6	.4	11.3	1551
Kenyewa-Poka Ward	Secondary+	21.7	10.8	5.0	1.3	13.7	36.5	.2	10.9	1237

Imaroro Ward	Total	15.5	9.8	16.6	1.0	23.8	24.8	.5	8.1	2633
Imaroro Ward	None	14.4	10.4	26.5	1.5	40.4	.5	1.7	4.7	654
Imaroro Ward	Primary	16.0	8.9	15.3	.6	21.1	29.0	.2	8.9	1256
Imaroro Ward	Secondary+	15.5	10.7	9.8	1.1	13.4	39.7	.1	9.7	723
Kajiado West Constituency	Total	13.2	14.0	22.4	1.0	26.1	17.1	.3	5.9	17637
Kajiado West Constituency	None	6.6	15.9	31.4	.9	38.9	.4	.4	5.6	8881
Kajiado West Constituency	Primary	15.4	11.7	16.8	.9	15.0	34.1	.2	5.8	4944
Kajiado West Constituency	Secondary+	25.9	12.4	8.7	1.3	10.7	34.0	.1	6.9	3812
Keekonyokie Ward	Total	21.2	16.3	10.1	1.2	20.8	21.2	.5	8.7	5568
Keekonyokie Ward	None	13.3	17.3	17.8	1.2	39.0	.5	1.1	9.9	1548
Keekonyokie Ward	Primary	22.8	16.7	9.3	.9	16.0	25.2	.4	8.6	2007
Keekonyokie Ward	Secondary+	25.6	15.2	5.1	1.4	11.6	33.1	.1	7.8	2013
Oloodokilan Ward	Total	9.3	9.5	26.6	.7	33.0	17.9	.2	2.8	2526
Oloodokilan Ward	None	7.9	10.7	31.3	.9	45.2	.5	.3	3.2	1477
Oloodokilan Ward	Primary	8.9	7.3	21.0	.4	18.6	41.9	0.0	1.9	795
Oloodokilan Ward	Secondary+	19.3	9.4	16.5	.4	7.1	44.1	0.0	3.1	254
Magadi Ward	Total	9.3	10.1	43.5	.7	21.5	11.5	.1	3.3	4066
Magadi Ward	None	3.9	11.3	51.6	.5	28.9	.2	.2	3.3	2657
Magadi Ward	Primary	8.7	8.1	36.4	1.1	8.6	33.9	0.0	3.2	885
Magadi Ward	Secondary+	37.8	7.4	14.1	1.3	5.7	30.5	0.0	3.1	524
Ewuaso Kedong Ward	Total	11.5	14.5	17.5	1.4	28.0	19.5	.2	7.4	4346
Ewuaso Kedong Ward	None	6.3	19.4	22.8	1.4	41.7	.4	.2	7.7	2210
Ewuaso Kedong Ward	Primary	12.9	8.8	12.7	1.1	15.3	43.1	.1	5.9	1161
Ewuaso Kedong Ward	Secondary+	21.6	10.2	11.2	1.5	12.1	34.9	.2	8.3	975
Mosiro Ward	Total	3.4	24.4	16.5	.3	45.8	5.9	.1	3.5	1131
Mosiro Ward	None	1.9	26.2	17.9	.3	49.7	.1	.1	3.7	989
Mosiro Ward	Primary	6.3	12.5	8.3	0.0	19.8	50.0	0.0	3.1	96
Mosiro Ward	Secondary+	30.4	10.9	4.3	0.0	15.2	39.1	0.0	0.0	46
Kajiado South Constituency	Total	11.3	10.4	33.6	1.1	19.3	14.7	.6	9.0	20479
Kajiado South Constituency	None	7.2	9.6	40.4	1.5	30.0	.2	.8	10.3	9233
Kajiado South Constituency	Primary	12.1	10.7	32.2	.7	11.3	24.6	.4	8.0	7882
Kajiado South Constituency	Secondary+	20.9	11.8	18.4	1.2	8.3	31.7	.3	7.4	3364
Entonet/Lengism Ward	Total	4.0	4.7	36.1	1.2	30.4	14.5	.8	8.4	3944
Entonet/Lengism Ward	None	3.1	4.6	40.7	1.1	40.8	.1	1.0	8.7	2389
Entonet/Lengism Ward	Primary	3.9	4.5	31.7	.8	15.2	36.1	.4	7.4	1209
Entonet/Lengism Ward	Secondary+	11.0	6.1	19.9	2.6	11.6	38.7	.3	9.8	346
Imbirikani/Esselengei Ward	Total	9.4	8.8	35.2	1.3	27.3	13.1	.3	4.6	2725
Imbirikani/Esselengei Ward	None	5.4	9.1	40.1	1.8	38.7	.1	.4	4.5	1694
Imbirikani/Esselengei Ward	Primary	11.2	8.1	32.1	.6	11.1	32.3	0.0	4.6	713
Imbirikani/Esselengei Ward	Secondary+	26.7	8.8	15.7	.6	2.8	39.9	.6	4.7	318
Kuku Ward	Total	13.1	17.1	23.6	.9	12.9	16.7	.7	15.0	5420
Kuku Ward	None	6.9	17.5	33.6	.9	19.8	.3	.9	20.2	2130
Kuku Ward	Primary	13.1	16.7	21.0	.8	9.6	25.2	.7	12.9	2127
Kuku Ward	Secondary+	24.7	17.0	10.1	.9	6.4	31.4	.3	9.2	1163
Rombo Ward	Total	12.9	8.9	42.3	1.4	13.5	15.0	.6	5.4	5243
Rombo Ward	None	11.4	7.2	50.7	2.6	20.3	.1	.8	6.8	1886
Rombo Ward	Primary	12.0	9.8	41.8	.5	9.5	21.3	.5	4.5	2407
Rombo Ward	Secondary+	18.1	10.1	26.5	1.5	9.9	28.7	.2	4.9	950
Kimana Ward	Total	16.5	10.0	32.1	.8	18.9	12.5	.3	8.9	3147
Kimana Ward	None	12.1	10.1	36.2	1.2	29.8	.3	.9	9.4	1134
Kimana Ward	Primary	18.2	10.2	33.0	.6	13.7	15.5	0.0	8.8	1426
Kimana Ward	Secondary+	20.8	9.2	22.1	.5	10.6	28.8	0.0	8.0	587

Table 10.6: 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
Kajiado County	0.018	3,780	0.020	0.403
Kajiado North Constituency	0.005	5,990	0.0089	0.317
Olkeri	0.001	3,730	0.0012	0.328
Ongat Rongai	0.001	6,240	0.0021	0.302
Nkaimurunya	0.001	6,930	0.0030	0.277
Oloolua	0.001	6,580	0.0017	0.290
Ngong	0.000	6,600	0.0009	0.263
Kajiado Central Constituency	0.003	2,400	0.0019	0.302
Purko	0.000	2,370	0.0001	0.283
Ildamat	0.000	2,690	0.0002	0.311
Dalalekutuk	0.001	2,720	0.0006	0.308
Matapato North	0.001	2,180	0.0005	0.294
Matapato South	0.001	2,240	0.0005	0.286
Kajiado East Constituency	0.004	4,390	0.0045	0.375
Kaputiei North	0.001	3,910	0.0009	0.381
Kitengela	0.001	5,900	0.0014	0.334
Oloosirkon/Sholinke	0.001	5,120	0.0013	0.357
Kenyewa-Poka	0.001	3,050	0.0006	0.344
Imaroro	0.000	2,990	0.0004	0.262
Kajiado West Constituency	0.003	2,290	0.0020	0.331
Keekonyokie	0.001	2,970	0.0009	0.315
Oloodokilan	0.000	1,620	0.0002	0.269
Magadi	0.001	1,580	0.0003	0.253
Ewuaso Kedong	0.001	2,560	0.0006	0.293
Mosiro	0.000	1,240	0.0001	0.157
Kajiado South Constituency	0.004	2,330	0.0024	0.313
Entonet/Lengism	0.001	2,020	0.0004	0.277
Imbirikani/Esselengei	0.000	2,100	0.0003	0.284
Kuku	0.001	2,520	0.0007	0.327
Rombo	0.001	2,300	0.0007	0.321
Kimana	0.001	2,630	0.0004	0.303

Table 10.7: 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
Kajiado County	30.7	41.6	27.8	605,224
Kajiado North Constituency	11.2	39.8	49.0	174,486
Olkeri	11.3	43.9	44.9	37,675
Ongat Rongai	10.1	31.3	58.7	40,374
Nkaimurunya	12.0	42.5	45.5	49,716
Oloolua	11.2	40.2	48.6	30,475
Ngong	11.3	42.2	46.5	16,246
Kajiado Central Constituency	48.0	38.1	13.8	90,694
Purko	48.2	44.1	7.7	4,747
Ildamat	29.2	43.8	27.0	8,615
Dalalekutuk	36.4	44.0	19.6	24,673

Matapato North	60.7	31.7	7.6	25,768
Matapato South	52.5	36.1	11.5	26,891
Kajiado East Constituency	20.6	44.9	34.5	120,098
Kaputiei North	25.0	48.7	26.3	25,944
Kitengela	10.8	36.7	52.5	27,643
Oloosirkon/Sholinke	13.4	40.9	45.7	29,356
Kenyewa-Poka	31.2	49.0	19.9	21,841
Imaroro	29.5	55.0	15.5	15,314
Kajiado West Constituency	46.4	37.5	16.0	101,249
Keekonyokie	28.4	46.0	25.6	34,581
Oloodokilan	55.0	39.2	5.8	14,280
Magadi	58.7	30.4	10.9	21,846
Ewuaso Kedong	47.8	36.3	15.9	25,677
Mosiro	87.2	10.7	2.1	4,865
Kajiado South Constituency	42.8	46.9	10.4	118,697
Entonet/Lengism	55.8	39.2	5.0	20,190
Imbirikani/Esselengei	56.0	37.2	6.8	15,835
Kuku	36.7	49.4	14.0	32,236
Rombo	37.6	51.2	11.2	32,996
Kimana	36.5	51.8	11.7	17,440

Table 10.8: 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
Kajiado County	27.2	43.0	29.8	301,915		34.1	40.1	25.8	303,309
Kajiado North Constituency	10.7	38.8	50.5	86,824		11.7	40.7	47.6	87,662
Olkeri	10.4	43.6	46.0	18,825		12.2	44.1	43.7	18,850
Ongat Rongai	9.9	29.1	61.0	19,383		10.2	33.3	56.5	20,991
Nkaimurunya	11.6	41.5	47.0	25,366		12.5	43.6	44.0	24,350
Oloolua	10.9	39.1	50.0	15,303		11.6	41.3	47.1	15,172
Ngong	10.4	42.0	47.7	7,947		12.2	42.4	45.4	8,299
Kajiado Central Constituency	40.8	42.6	16.6	43,818		54.7	34.0	11.3	46,876
Purko	39.0	51.0	10.0	2,253		56.5	37.9	5.7	2,494
Ildamat	25.6	44.3	30.1	4,192		32.7	43.4	23.9	4,423
Dalalekutuk	31.0	46.6	22.4	12,099		41.6	41.6	16.8	12,574
Matapato North	52.1	38.1	9.9	12,229		68.5	25.9	5.6	13,539
Matapato South	44.6	41.1	14.3	13,045		59.9	31.3	8.8	13,846
Kajiado East Constituency	18.4	45.1	36.5	61,839		23.0	44.7	32.4	58,259

Kaputiei North	21.4	49.6	29.0	13,871		29.1	47.6	23.3	12,073
Kitengela	10.8	35.8	53.5	14,194		10.9	37.6	51.5	13,449
Oloosirkon/Sholinke	13.2	40.1	46.7	15,164		13.6	41.7	44.6	14,192
Kenyewa-Poka	26.6	50.2	23.2	10,762		35.6	47.8	16.6	11,079
Imaroro	25.6	56.6	17.9	7,848		33.6	53.4	13.0	7,466
Kajiado West Constituency	42.0	40.0	18.1	50,443		50.9	35.1	14.0	50,806
Keekonyokie	26.1	47.4	26.6	17,333		30.8	44.6	24.6	17,248
Oloodokilan	47.9	44.3	7.8	7,234		62.4	34.0	3.7	7,046
Magadi	51.6	33.5	14.9	10,999		65.9	27.2	6.9	10,847
Ewuaso Kedong	44.6	37.8	17.7	12,695		51.0	34.9	14.1	12,982
Mosiro	85.3	11.7	3.0	2,182		88.7	10.0	1.4	2,683
Kajiado South Constituency	37.9	50.0	12.1	58,991		47.5	43.8	8.6	59,706
Entonet/Lengism	49.1	44.3	6.6	9,745		62.0	34.5	3.5	10,445
Imbirikani/Esselengei	47.7	42.9	9.3	7,982		64.5	31.4	4.1	7,853
Kuku	32.9	51.6	15.5	16,118		40.5	47.1	12.4	16,118
Rombo	34.8	52.6	12.6	16,407		40.5	49.8	9.8	16,589
Kimana	31.7	54.6	13.7	8,739		41.4	48.9	9.7	8,701

Table 10.9: 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
Kajiado County	1.1	18.5	12.8	1.1	40.8	25.2	0.0	0.5	170,129
Kajiado North Constituency	1.9	33.3	28.0	1.8	7.9	26.7	0.0	0.4	56,678
Olkeri	1.3	20.2	21.4	1.7	20.1	35.0	0.1	0.2	11,049
Ongat Rongai	2.2	34.2	46.5	1.1	3.1	12.4	0.0	0.5	12,945
Nkaimurunya	1.9	45.4	19.9	2.5	3.7	26.0	0.1	0.4	17,417
Oloolua	1.9	28.1	26.0	1.3	8.7	33.8	0.0	0.2	9,561
Ngong	2.2	28.1	26.4	2.3	6.6	33.6	0.1	0.7	5,706
Kajiado Central Constituency	0.4	5.2	1.8	0.8	62.7	28.6	0.0	0.5	22,398
Purko	0.1	1.1	0.5	0.4	88.5	9.2	0.1	0.1	1,007
Ildamat	0.7	8.4	6.2	2.1	39.0	42.7	-	0.9	1,990
Dalalekutuk	0.7	9.8	2.2	1.4	49.3	36.2	0.0	0.4	6,296
Matapato North	0.2	1.6	0.2	0.2	76.5	21.1	-	0.3	6,436
Matapato South	0.5	4.0	1.8	0.4	65.2	27.3	0.0	0.9	6,669
Kajiado East Constituency	1.7	24.0	10.3	1.2	27.8	33.9	0.1	0.9	36,689
Kaputiei North	1.2	11.3	2.8	1.6	34.0	47.0	0.0	2.1	7,916
Kitengela	1.9	39.3	16.1	1.9	4.1	35.7	0.1	0.9	10,220
Oloosirkon/Sholinke	2.8	34.9	17.7	0.9	12.6	30.6	0.1	0.4	10,069
Kenyewa-Poka	0.9	6.7	2.5	0.3	57.0	31.9	0.0	0.7	5,170

Imaroro	0.1	1.4	0.3	0.2	87.1	10.6	0.1	0.2	3,314
Kajiado West Constituency	0.4	8.5	5.7	0.4	69.6	15.0	0.1	0.3	25,232
Keekonyokie	0.5	14.3	9.0	0.5	47.8	27.5	0.1	0.3	9,328
Oloodokilan	-	0.2	0.0	0.2	94.0	5.1	0.0	0.4	3,090
Magadi	0.5	10.5	5.0	0.5	79.7	3.6	0.1	0.2	5,533
Ewuaso Kedong	0.6	3.7	5.2	0.4	76.0	14.0	0.1	0.1	5,986
Mosiro	0.1	0.9	-	-	95.8	1.7	-	1.5	1,295
Kajiado South Constituency	0.2	1.8	0.9	0.3	79.3	17.3	0.0	0.2	29,132
Entonet/Lengism	0.0	1.0	0.5	0.2	95.5	2.7	-	-	4,606
Imbirikani/Esselengei	-	1.1	1.4	0.4	87.6	9.1	0.1	0.2	3,876
Kuku	0.4	2.9	1.6	0.4	74.2	20.2	0.0	0.3	8,296
Rombo	0.1	1.3	0.5	0.2	74.5	23.0	0.0	0.3	8,055
Kimana	0.0	1.9	0.2	0.4	73.5	23.8	0.1	0.1	4,299

Table 10.10: Cooking Fuel for Male Headed Households by County, Constituency and Wards

County/Constituency/Wards	Electricity	Paraffin	LPG	Biogas	Fire-wood	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
Kajiado County	1.3	21.2	13.5	1.1	35.1	27.1	0.1	0.5	116,882
Kajiado North Constituency	1.9	34.9	26.6	1.7	7.6	26.8	0.1	0.4	43,060
Olkeri	1.4	21.0	21.0	1.7	19.3	35.4	0.1	0.2	8,649
Ongat Rongai	2.1	35.0	45.2	1.1	3.3	12.7	0.0	0.5	9,525
Nkaimurunya	1.8	47.8	18.3	2.3	3.4	25.8	0.1	0.5	13,462
Oloolua	2.0	30.4	24.7	1.3	8.4	32.9	0.0	0.2	7,316
Ngong	2.2	30.3	25.8	2.3	5.2	33.1	0.1	0.9	4,108
Kajiado Central Constituency	0.6	7.1	2.1	1.0	54.4	34.0	0.0	0.8	12,749
Purko	0.2	1.1	1.1	0.6	84.8	12.0	0.2	0.0	468
Ildamat	0.9	11.5	7.2	2.4	31.2	45.4	0.0	1.3	1,230
Dalalekutuk	0.9	12.3	2.0	1.6	43.3	39.3	0.0	0.6	3,997
Matapato North	0.2	2.3	0.3	0.2	69.0	27.4	0.0	0.4	3,281
Matapato South	0.6	5.1	2.2	0.5	57.3	33.0	0.0	1.3	3,773
Kajiado East Constituency	1.9	25.3	10.5	1.1	24.3	35.8	0.1	0.8	26,610
Kaputiei North	1.5	12.4	2.7	1.5	28.2	52.3	0.0	1.5	5,763
Kitengela	2.0	39.3	15.9	1.8	4.4	35.8	0.1	0.9	7,761
Oloosirkon/Sholinke	3.0	34.7	16.9	0.8	12.9	31.0	0.1	0.5	7,737
Kenyewa-Poka	1.4	7.9	3.1	0.3	51.7	34.7	0.0	0.9	3,175
Imaroro	0.1	1.9	0.3	0.4	86.0	11.2	0.0	0.1	2,174
Kajiado West Constituency	0.6	10.6	6.9	0.5	63.0	18.1	0.1	0.4	15,913
Keekonyokie	0.5	15.6	9.5	0.5	43.0	30.4	0.1	0.4	6,487
Oloodokilan	0.0	0.3	0.1	0.2	93.2	5.7	0.1	0.5	1,827
Magadi	0.7	14.4	6.9	0.6	72.5	4.5	0.1	0.3	3,274
Ewuaso Kedong	0.8	4.8	6.6	0.5	70.3	16.8	0.1	0.1	3,803
Mosiro	0.2	1.9	0.0	0.0	93.3	2.9	0.0	1.7	522
Kajiado South Constituency	0.2	2.2	0.9	0.3	77.5	18.5	0.1	0.3	18,550
Entonet/Lengism	0.0	1.6	0.8	0.3	94.2	3.2	0.0	0.0	2,531
Imbirikani/Esselengei	0.0	1.5	1.3	0.4	86.5	10.1	0.1	0.1	2,436
Kuku	0.5	3.5	1.7	0.4	72.8	20.7	0.0	0.4	5,462

Rombo	0.1	1.5	0.5	0.2	73.3	23.8	0.1	0.4	5,336
Kimana	0.0	2.2	0.2	0.4	71.5	25.5	0.1	0.1	2,785

Table 10.11: 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
Kajiado County	0.8	12.6	11.1	0.9	53.2	20.9	0.0	0.4	53,247
Kajiado North Constituency	2.0	28.1	32.2	2.0	8.9	26.6	0.0	0.2	13,618
Olkeri	1.2	17.6	22.8	1.9	22.9	33.3	0.1	0.2	2,400
Ongat Rongai	2.5	32.0	49.9	1.0	2.7	11.4	-	0.4	3,420
Nkaimurunya	2.3	37.6	25.4	3.1	4.7	26.8	0.0	0.1	3,955
Oloolua	1.4	20.5	30.2	1.4	9.9	36.6	-	0.1	2,245
Ngong	2.1	22.7	27.7	2.3	10.1	34.8	-	0.3	1,598
Kajiado Central Constituency	0.2	2.6	1.4	0.5	73.7	21.4	0.0	0.2	9,649
Purko	-	1.1	-	0.2	91.7	6.9	-	0.2	539
Ildamat	0.4	3.4	4.5	1.6	51.6	38.3	-	0.3	760
Dalalekutuk	0.4	5.3	2.5	0.9	59.9	30.8	-	0.2	2,299
Matapato North	0.1	0.8	0.1	0.3	84.2	14.5	-	0.1	3,155
Matapato South	0.3	2.6	1.3	0.2	75.6	19.8	0.0	0.3	2,896
Kajiado East Constituency	1.1	20.6	9.7	1.3	37.1	29.0	0.1	1.1	10,079
Kaputiei North	0.5	8.4	2.9	2.0	49.5	33.0	0.1	3.6	2,153
Kitengela	1.9	39.4	16.7	2.1	3.3	35.5	0.0	1.1	2,459
Oloosirkon/Sholinke	2.0	35.2	20.2	1.2	11.8	29.3	0.0	0.1	2,332
Kenyewa-Poka	0.3	4.9	1.5	0.4	65.3	27.5	0.1	0.2	1,995
Imaroro	-	0.4	0.3	-	89.4	9.5	0.1	0.4	1,140
Kajiado West Constituency	0.2	5.1	3.6	0.3	80.9	9.8	0.1	0.2	9,319
Keekonyokie	0.3	11.4	8.0	0.5	58.7	21.0	0.1	0.0	2,841
Oloodokilan	-	-	-	0.3	95.1	4.3	-	0.3	1,263
Magadi	0.0	4.9	2.1	0.2	90.2	2.3	0.1	0.1	2,259

Ewuaso Kedong	0.2	1.7	2.7	0.2	85.9	9.1	0.1	0.0	2,183
Mosiro	-	0.3	-	-	97.4	0.9	-	1.4	773
Kajiado South Constituency	0.1	1.0	0.8	0.3	82.6	15.1	0.0	0.1	10,582
Entonet/Lengism	0.0	0.4	0.1	0.1	97.2	2.1	-	-	2,075
Imbirikani/Esselengei	-	0.3	1.7	0.6	89.5	7.5	0.1	0.3	1,440
Kuku	0.3	1.8	1.4	0.2	76.7	19.2	-	0.2	2,834
Rombo	0.1	0.7	0.4	0.2	76.9	21.6	-	0.1	2,719
Kimana	0.1	1.4	0.3	0.3	77.1	20.8	0.1	-	1,514

Table 10.12: 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
Kajiado County	40.0	0.8	18.9	35.7	0.4	2.2	1.0	1.0	116,882
Kajiado North Constituency	71.0	0.9	15.3	11.5	0.4	0.1	0.2	0.6	43,060
Olkeri	64.4	0.9	20.9	12.6	0.4	0.1	0.5	0.3	8,649
Ongat Rongai	87.7	0.6	6.9	4.0	0.3	0.1	0.2	0.4	9,525
Nkaimurunya	66.5	1.1	16.3	14.3	0.6	0.1	0.2	1.0	13,462
Oloolua	72.0	1.0	14.7	11.4	0.3	0.2	0.2	0.3	7,316
Ngong	58.6	1.1	21.2	17.7	0.3	0.1	0.2	0.7	4,108
Kajiado Central Constituency	21.9	0.5	16.6	56.5	0.2	2.8	0.5	1.0	12,749
Purko	3.3	0.4	17.0	72.4	0.4	5.5	0.6	0.5	468
Ildamat	45.3	0.9	12.9	39.5	0.2	0.3	0.8	0.2	1,230
Dalalekutuk	35.6	0.4	14.8	46.0	0.2	1.9	0.7	0.5	3,997
Matapato North	7.8	0.5	12.6	73.4	0.3	3.8	0.4	1.2	3,281
Matapato South	18.3	0.4	23.3	52.7	0.2	3.0	0.4	1.7	3,773
Kajiado East Constituency	42.5	0.7	23.6	29.4	0.3	0.8	1.5	1.3	26,610
Kaputiei North	20.5	0.5	27.1	44.9	0.2	0.5	3.1	3.1	5,763
Kitengela	69.1	1.1	16.4	12.3	0.1	0.2	0.5	0.4	7,761
Oloosirkon/Sholinke	61.7	0.8	20.5	14.3	0.4	0.3	1.4	0.6	7,737
Kenyewa-Poka	11.9	0.3	30.8	51.8	0.3	1.9	1.0	2.0	3,175
Imaroro	2.4	0.4	35.6	56.3	0.4	2.7	2.1	0.3	2,174
Kajiado West Constituency	21.3	0.5	16.0	52.1	0.7	6.3	1.6	1.5	15,913
Keekonyokie	36.8	0.9	23.1	34.7	0.9	1.6	1.7	0.2	6,487
Oloodokilan	0.2	0.1	11.4	72.4	0.5	11.8	0.5	3.2	1,827
Magadi	15.2	0.3	12.8	60.9	0.6	5.9	2.2	2.1	3,274
Ewuaso Kedong	18.4	0.2	13.3	62.0	0.7	3.4	1.8	0.2	3,803
Mosiro	0.2	0.2	2.3	45.0	0.1	42.0	0.4	9.7	522
Kajiado South Constituency	6.4	1.4	24.1	60.4	0.5	4.2	1.9	1.2	18,550
Entonet/Lengism	1.4	0.4	11.7	74.8	0.4	10.1	1.0	0.1	2,531
Imbirikani/Esselengei	0.6	0.1	10.1	73.1	0.3	12.0	3.4	0.5	2,436
Kuku	13.1	0.6	27.2	52.2	0.6	1.9	1.4	3.0	5,462
Rombo	8.5	0.4	31.7	56.3	0.4	1.1	1.2	0.4	5,336
Kimana	0.4	6.9	29.5	56.8	0.4	0.9	4.1	1.0	2,785

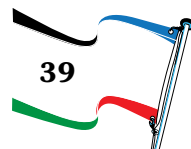


Table 10.13: Lighting Fuel for Male Headed Households by County, Constituency and Wards

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
Kajiado County	43.8	0.9	19.3	31.6	0.4	1.8	1.1	1.0	116,882
Kajiado North Constituency	70.5	0.9	15.3	11.9	0.4	0.1	0.3	0.6	43,060
Olkeri	64.6	0.9	20.7	12.6	0.3	0.1	0.5	0.3	8,649
Ongat Rongai	86.9	0.6	7.1	4.5	0.2	0.1	0.2	0.4	9,525
Nkaimurunya	65.7	1.1	16.3	15.0	0.6	0.1	0.2	1.0	13,462
Oloolua	71.4	1.0	14.7	11.8	0.3	0.3	0.2	0.3	7,316
Ngong	59.1	1.2	20.9	17.3	0.3	0.1	0.3	0.8	4,108
Kajiado Central Constituency	27.4	0.5	17.5	50.3	0.3	2.2	0.7	1.1	12,749
Purko	4.3	0.9	19.7	66.2	0.2	7.1	1.1	0.6	468
Ildamat	50.1	0.7	14.4	33.3	0.2	0.4	0.7	0.2	1,230
Dalalekutuk	40.1	0.5	15.3	40.8	0.3	1.7	0.8	0.6	3,997
Matapato North	11.6	0.6	13.7	68.7	0.4	3.0	0.6	1.3	3,281
Matapato South	23.1	0.5	23.7	47.9	0.3	2.1	0.6	1.7	3,773
Kajiado East Constituency	44.1	0.7	23.7	27.8	0.3	0.7	1.5	1.2	26,610
Kaputiei North	22.0	0.6	27.8	43.7	0.3	0.4	2.9	2.4	5,763
Kitengela	68.1	1.0	16.8	12.8	0.1	0.2	0.5	0.5	7,761
Oloosirkon/Sholinke	60.4	0.8	21.0	14.8	0.4	0.3	1.5	0.7	7,737
Kenyewa-Poka	14.1	0.4	31.7	47.6	0.3	2.3	1.1	2.4	3,175
Imaroro	2.8	0.4	35.5	56.3	0.4	2.0	2.2	0.4	2,174
Kajiado West Constituency	26.5	0.5	17.4	46.4	0.8	5.3	1.9	1.3	15,913
Keekonyokie	40.5	1.0	24.0	30.1	0.9	1.4	1.8	0.3	6,487
Oloodokilan	0.3	0.0	11.9	72.4	0.5	10.6	0.7	3.5	1,827
Magadi	21.5	0.3	12.1	54.0	0.6	6.5	2.7	2.2	3,274
Ewuaso Kedong	22.8	0.2	15.2	55.7	0.8	3.0	1.9	0.3	3,803
Mosiro	0.6	0.4	3.8	41.0	0.0	45.6	0.8	7.9	522
Kajiado South Constituency	7.3	1.5	25.1	57.6	0.5	4.3	2.3	1.4	18,550
Entonet/Lengism	2.1	0.7	12.8	71.9	0.3	10.5	1.4	0.2	2,531
Imbirikani/Esselengei	0.6	0.2	11.7	69.2	0.4	13.7	3.7	0.5	2,436
Kuku	14.2	0.6	27.2	50.8	0.7	1.8	1.6	3.3	5,462
Rombo	9.4	0.4	32.3	54.3	0.4	1.2	1.4	0.5	5,336
Kimana	0.4	7.4	29.8	54.4	0.4	1.2	5.1	1.3	2,785

Table 10.14: 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
Kajiado County	31.7	0.7	17.9	44.5	0.4	3.0	0.8	1.0	53,247

Kajiado North Constituency	72.7	0.9	15.1	10.2	0.5	0.1	0.2	0.4	13,618
Olkeri	63.6	1.0	21.5	12.8	0.6	-	0.4	0.2	2,400
Ongat Rongai	89.6	0.5	6.3	2.7	0.5	0.0	0.1	0.3	3,420
Nkaimurunya	69.3	1.2	16.2	11.7	0.7	0.1	0.2	0.7	3,955
Oloolua	73.7	0.7	14.7	10.2	0.3	0.1	0.1	0.2	2,245
Ngong	57.6	1.0	22.1	18.6	0.1	0.1	0.1	0.4	1,598
Kajiado Central Constituency	14.6	0.3	15.5	64.7	0.2	3.5	0.3	1.0	9,649
Purko	2.4	-	14.7	77.7	0.6	4.1	0.2	0.4	539
Ildamat	37.5	1.2	10.4	49.6	0.1	0.1	0.9	0.1	760
Dalalekutuk	27.7	0.3	13.9	55.1	0.1	2.2	0.6	0.2	2,299
Matapato North	3.8	0.4	11.4	78.3	0.3	4.6	0.1	1.1	3,155
Matapato South	12.1	0.2	22.8	59.0	0.1	4.1	0.1	1.7	2,896
Kajiado East Constituency	38.2	0.6	23.3	33.7	0.2	1.0	1.5	1.5	10,079
Kaputiei North	16.7	0.4	25.4	48.1	0.1	0.9	3.5	5.0	2,153
Kitengela	72.1	1.2	15.1	10.5	0.2	0.2	0.4	0.3	2,459
Oloosirkon/Sholinke	65.8	0.8	18.9	12.6	0.3	0.1	1.2	0.4	2,332
Kenyewa-Poka	8.4	0.2	29.4	58.4	0.4	1.2	0.8	1.3	1,995
Imaroro	1.5	0.4	35.8	56.2	0.3	3.9	1.8	0.1	1,140
Kajiado West Constituency	12.6	0.4	13.7	61.9	0.5	8.0	1.2	1.8	9,319
Keekonyokie	28.1	0.8	21.0	45.3	0.8	2.2	1.6	0.2	2,841
Oloodokilan	-	0.2	10.6	72.4	0.3	13.5	0.2	2.9	1,263
Magadi	6.1	0.3	13.8	71.0	0.5	5.0	1.3	1.9	2,259
Ewuaso Kedong	10.8	0.1	10.1	72.8	0.4	4.2	1.6	-	2,183
Mosiro	-	0.1	1.3	47.7	0.1	39.6	0.1	11.0	773
Kajiado South Constituency	5.0	1.1	22.3	65.1	0.4	4.0	1.3	0.8	10,582
Entonet/Lengism	0.6	0.1	10.4	78.3	0.5	9.5	0.5	-	2,075
Imbirikani/Esselengei	0.6	-	7.4	79.7	0.2	9.1	2.7	0.4	1,440
Kuku	11.1	0.5	27.2	54.9	0.5	2.2	1.0	2.5	2,834
Rombo	6.8	0.4	30.5	60.2	0.3	1.0	0.7	0.2	2,719
Kimana	0.4	5.9	28.8	61.4	0.6	0.3	2.4	0.3	1,514

Table 10.15: 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
Kajiado County	57.2	3.6	0.3	38.5	0.4	170,129
Kajiado North Constituency	80.9	7.7	0.4	10.4	0.6	56,678
Olkeri	79.0	8.2	0.5	12.2	0.1	11,049
Ongat Rongai	81.2	13.9	0.4	2.9	1.6	12,945
Nkaimurunya	84.3	3.8	0.2	11.6	0.2	17,417
Oloolua	83.7	6.8	0.5	8.5	0.5	9,561
Ngong	68.9	6.3	0.5	24.0	0.4	5,706
Kajiado Central Constituency	37.5	0.8	0.2	61.3	0.2	22,398
Purko	15.6	0.3	1.0	82.8	0.3	1,007
Ildamat	60.9	2.6	0.3	36.2	0.1	1,990
Dalalekutuk	54.1	0.6	0.3	44.8	0.1	6,296
Matapato North	21.7	0.2	0.1	77.8	0.2	6,436
Matapato South	33.4	1.0	0.2	65.2	0.2	6,669
Kajiado East Constituency	72.0	3.1	0.2	24.4	0.2	36,689
Kaputiei North	67.9	0.5	0.2	31.3	0.1	7,916
Kitengela	88.3	6.2	0.3	5.1	0.1	10,220
Oloosirkon/Sholinke	86.5	3.7	0.3	9.2	0.3	10,069
Kenyewa-Poka	47.1	1.5	0.3	51.1	0.1	5,170
Imaroro	26.5	0.5	0.2	72.4	0.4	3,314
Kajiado West Constituency	34.3	1.4	0.3	63.6	0.4	25,232
Keekonyokie	56.2	2.5	0.4	40.8	0.2	9,328
Oloodokilan	10.1	0.1	0.0	89.4	0.4	3,090
Magadi	22.2	0.4	0.3	75.9	1.1	5,533
Ewuaso Kedong	31.0	1.5	0.2	67.3	0.0	5,986
Mosiro	2.0	0.4	0.5	96.9	0.2	1,295
Kajiado South Constituency	27.5	0.3	0.4	71.4	0.4	29,132
Entonet/Lengism	10.1	0.2	0.3	89.4	0.1	4,606
Imbirikani/Esselengei	11.2	0.8	0.1	87.6	0.3	3,876
Kuku	35.5	0.3	0.6	63.5	0.2	8,296
Rombo	34.1	0.2	0.3	64.3	1.1	8,055
Kimana	33.2	0.1	0.3	66.2	0.2	4,299

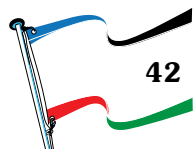


Table 10.16: Main Material of the Floor in Male and Female Headed Households by County, Constituency and Ward

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
Kajiado County	62.1	3.9	0.3	33.2	0.4	116,882		46.4	2.9	0.3	50.1	0.3	53,247
Kajiado North Constituency	81.0	7.5	0.4	10.5	0.6	43,060		80.6	8.3	0.3	10.2	0.6	13,618
Olkeri	78.9	8.3	0.6	12.1	0.1	8,649		79.4	7.7	0.4	12.5	-	2,400
Ongat Rongai	80.9	13.7	0.4	3.3	1.6	9,525		82.1	14.4	0.3	1.8	1.5	3,420
Nkaimurunya	84.4	3.6	0.1	11.7	0.2	13,462		83.9	4.5	0.2	11.2	0.2	3,955
Oloolua	83.9	6.6	0.6	8.5	0.5	7,316		83.0	7.5	0.4	8.5	0.6	2,245
Ngong	69.3	6.1	0.5	23.6	0.5	4,108		67.7	6.6	0.4	25.1	0.1	1,598
Kajiado Central Constituency	46.2	0.8	0.3	52.5	0.1	12,749		26.0	0.7	0.2	73.0	0.2	9,649
Purko	20.7	0.6	0.9	77.6	0.2	468		11.1	-	1.1	87.4	0.4	539
Ildamat	68.8	2.2	0.4	28.6	-	1,230		48.2	3.3	-	48.4	0.1	760
Dalalekutuk	59.9	0.7	0.3	39.0	0.1	3,997		44.1	0.6	0.2	54.9	0.1	2,299
Matapato North	30.0	0.3	0.2	69.3	0.2	3,281		13.0	0.1	0.1	86.8	0.1	3,155
Matapato South	41.7	1.1	0.2	57.0	0.1	3,773		22.6	1.0	0.1	76.0	0.3	2,896
Kajiado East Constituency	74.9	3.4	0.2	21.2	0.2	26,610		64.4	2.4	0.2	32.9	0.1	10,079
Kaputiei North	73.9	0.6	0.2	25.2	0.1	5,763		52.0	0.2	0.1	47.7	-	2,153
Kitengela	87.7	6.6	0.3	5.4	0.1	7,761		90.2	5.2	0.3	4.2	0.0	2,459
Oloosirkon/Sholinke	86.3	3.7	0.3	9.4	0.4	7,737		87.3	3.8	0.2	8.5	0.2	2,332
Kenyewa-Poka	50.6	2.0	0.3	47.1	0.1	3,175		41.5	0.7	0.3	57.5	0.1	1,995
Imaroro	27.1	0.6	0.2	71.8	0.3	2,174		25.3	0.4	0.3	73.5	0.6	1,140
Kajiado West Constituency	40.7	1.7	0.4	56.8	0.4	15,913		23.4	0.8	0.2	75.3	0.3	9,319
Keekonyokie	60.5	2.7	0.5	36.2	0.1	6,487		46.2	1.9	0.1	51.5	0.2	2,841
Oloodokilan	11.9	0.1	0.1	87.6	0.4	1,827		7.6	0.1	-	91.9	0.4	1,263

Magadi	28.6	0.6	0.4	68.9	1.5	3,274		12.9	0.1	0.3	86.1	0.6	2,259
Ewuaso Kedong	36.2	1.9	0.3	61.6	-	3,803		21.9	0.8	0.1	77.1	0.1	2,183
Mosiro	4.0	0.6	0.6	94.8	-	522		0.6	0.3	0.4	98.3	0.4	773
Kajiado South Constituency	29.4	0.3	0.4	69.4	0.5	18,550		24.1	0.3	0.3	74.9	0.4	10,582
Entonet/Lengism	12.7	0.1	0.3	86.8	0.1	2,531		6.8	0.2	0.3	92.6	0.0	2,075
Imbirikani/Esselengei	12.6	0.9	0.1	86.3	0.2	2,436		8.8	0.8	0.1	89.9	0.5	1,440
Kuku	36.8	0.3	0.6	62.2	0.2	5,462		33.0	0.4	0.5	65.9	0.1	2,834
Rombo	34.7	0.2	0.4	63.6	1.2	5,336		33.0	0.1	0.3	65.6	1.0	2,719
Kimana	34.9	0.1	0.4	64.3	0.2	2,785		29.9	-	0.2	69.7	0.2	1,514

Table 10.17: 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
Kajiado County	67.0	3.9	3.4	3.2	10.6	0.4	0.4	10.2	0.9	170,129
Kajiado North Constituency	82.5	7.7	5.8	3.0	0.0	0.1	0.2	0.1	0.6	56,678
Olkeri	85.1	9.2	3.5	1.8	0.0	0.1	0.1	0.1	0.0	11,049
Ongat Rongai	75.0	11.4	8.7	3.0	0.0	0.0	0.0	0.0	1.7	12,945
Nkaimurunya	87.1	2.9	5.0	4.1	0.0	0.1	0.5	0.1	0.1	17,417
Oloolua	82.7	9.5	4.3	2.5	0.0	0.1	0.1	0.1	0.7	9,561
Ngong	80.3	8.1	8.5	2.6	0.1	0.1	0.2	0.0	0.3	5,706
Kajiado Central Constituency	48.9	0.7	0.1	2.5	11.5	0.2	0.1	34.8	1.1	22,398
Purko	29.4	0.8	0.1	1.7	17.3	0.6	0.1	49.5	0.6	1,007
Ildamat	66.5	1.7	0.3	5.2	5.0	0.5	0.6	20.3	0.1	1,990
Dalalekutuk	67.8	0.4	0.1	2.4	2.8	0.1	0.1	25.9	0.5	6,296
Matapato North	29.2	0.3	0.1	2.5	16.5	0.2	0.1	49.1	2.0	6,436
Matapato South	47.9	1.0	0.2	1.9	15.9	0.3	0.1	31.6	1.2	6,669
Kajiado East Constituency	77.9	3.0	5.7	4.6	1.7	0.2	0.3	6.3	0.3	36,689
Kaputiei North	86.0	3.4	1.4	4.4	0.2	0.1	0.1	4.2	0.2	7,916
Kitengela	81.2	4.8	9.0	3.7	0.0	0.1	0.9	0.3	0.0	10,220
Oloosirkon/Sholinke	78.8	2.6	10.2	7.8	0.0	0.3	0.0	0.1	0.1	10,069
Kenyewa-Poka	65.0	1.4	0.3	1.3	7.1	0.3	0.6	23.6	0.5	5,170
Imaroro	66.0	0.9	0.0	3.4	6.7	0.2	0.0	21.2	1.4	3,314

Kajiado West Constituency	48.1	3.5	1.3	2.2	18.7	0.9	0.2	23.0	2.2	25,232
Keekonyokie	74.3	3.6	2.9	3.7	4.1	0.2	0.0	10.9	0.2	9,328
Oloodokilan	18.4	1.2	0.0	0.4	19.4	0.7	0.8	53.0	6.0	3,090
Magadi	28.1	4.4	0.2	1.7	41.0	1.0	0.1	18.5	5.0	5,533
Ewuaso Kedong	50.7	3.1	0.7	1.6	17.1	2.0	0.0	24.3	0.5	5,986
Mosiro	3.6	7.1	0.0	0.1	33.9	0.3	0.2	51.5	3.4	1,295
Kajiado South Constituency	53.3	0.6	0.1	3.0	34.5	1.0	1.1	5.1	1.1	29,132
Entonet/Lengism	30.3	0.2	0.0	3.3	47.0	0.3	0.4	17.2	1.2	4,606
Imbirikani/Esselengei	28.4	0.4	0.0	0.2	57.0	1.9	0.1	10.9	1.1	3,876
Kuku	59.5	0.7	0.4	1.5	33.6	1.7	0.1	1.3	1.1	8,296
Rombo	71.2	1.0	0.0	3.1	20.3	0.8	1.6	0.9	1.2	8,055
Kimana	54.9	0.3	0.0	7.9	29.4	0.2	3.8	2.3	1.1	4,299

Table 10.18: 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
Kajiado County	71.0	4.3	3.5	3.3	8.7	0.4	0.4	7.4	0.9	116,882
Kajiado North Constituency	82.9	7.8	5.4	3.0	0.0	0.1	0.2	0.1	0.6	43,060
Olkeri	85.4	9.3	3.1	1.8	0.0	0.0	0.2	0.1	0.0	8,649
Ongat Rongai	75.1	11.5	8.4	3.1	0.0	0.0	0.0	0.0	1.8	9,525
Nkaimurunya	87.7	2.8	4.7	4.0	0.0	0.1	0.5	0.1	0.1	13,462
Oloolua	82.9	9.7	4.1	2.3	0.0	0.2	0.1	0.1	0.6	7,316
Ngong	80.2	8.5	8.0	2.7	0.0	0.1	0.2	-	0.3	4,108
Kajiado Central Constituency	56.7	0.7	0.2	3.1	9.2	0.2	0.1	28.5	1.2	12,749
Purko	31.6	0.4	0.2	3.0	18.2	0.2	-	45.7	0.6	468
Ildamat	72.7	1.8	0.2	6.2	3.6	0.6	0.6	14.3	0.1	1,230
Dalalekutuk	71.5	0.3	0.1	2.9	2.3	0.1	0.1	22.2	0.7	3,997
Matapato North	36.5	0.2	0.1	3.7	15.1	0.2	0.1	41.7	2.4	3,281
Matapato South	56.6	1.2	0.2	2.0	12.1	0.3	0.1	26.3	1.2	3,773
Kajiado East Constituency	79.4	3.3	5.7	4.8	1.4	0.2	0.3	4.6	0.3	26,610
Kaputiei North	87.9	3.3	1.4	4.3	0.2	0.1	0.1	2.5	0.2	5,763
Kitengela	81.3	5.0	8.6	3.8	0.1	0.1	0.8	0.3	0.0	7,761

Oloosirkon/Sholinke	79.0	2.8	9.8	7.7	0.1	0.3	0.0	0.1	0.2	7,737
Kenyewa-Poka	68.8	1.8	0.3	1.4	6.5	0.3	0.5	19.6	0.8	3,175
Imaroro	66.6	1.1	-	4.0	6.8	0.3	-	19.5	1.8	2,174
Kajiado West Constituency	54.5	3.9	1.5	2.5	15.9	0.9	0.1	18.7	2.0	15,913
Keekonyokie	77.4	3.7	3.1	3.9	3.1	0.3	0.0	8.2	0.2	6,487
Oloodokilan	21.0	1.5	-	0.4	19.4	0.6	0.7	49.9	6.5	1,827
Magadi	33.8	5.4	0.2	2.3	37.2	1.2	0.2	15.3	4.5	3,274
Ewuaso Kedong	56.0	3.6	0.7	1.6	14.9	2.0	-	20.7	0.5	3,803
Mosiro	5.9	6.3	-	0.2	37.5	0.2	0.4	45.2	4.2	522
Kajiado South Constituency	55.4	0.6	0.1	3.0	32.6	1.3	1.2	4.3	1.3	18,550
Entonet/Lengism	33.9	0.2	-	3.8	42.6	0.3	0.3	17.2	1.6	2,531
Imbirikani/Esselengei	29.0	0.4	-	0.2	58.5	2.1	0.2	8.7	1.0	2,436
Kuku	60.4	0.7	0.4	1.6	32.1	2.2	0.2	1.3	1.3	5,462
Rombo	71.8	1.0	0.0	2.8	19.8	0.9	1.5	0.8	1.3	5,336
Kimana	57.2	0.1	0.1	8.2	26.8	0.3	4.4	1.7	1.4	2,785

Table 10.19: 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
Kajiado County	58.2	3.1	3.1	2.7	14.7	0.4	0.4	16.5	1.0	53,247
Kajiado North Constituency	81.3	7.6	7.1	3.0	0.0	0.1	0.2	0.1	0.6	13,618
Olkeri	84.0	8.6	5.1	1.7	-	0.2	0.0	0.3	0.0	2,400
Ongat Rongai	74.7	11.2	9.5	2.8	0.1	0.0	0.0	-	1.7	3,420
Nkaimurunya	85.4	3.3	6.2	4.4	-	0.1	0.5	0.0	0.1	3,955
Oloolua	82.0	8.9	5.0	2.9	-	0.1	0.1	0.2	0.8	2,245
Ngong	80.4	7.1	9.8	2.4	0.1	-	0.1	-	0.1	1,598
Kajiado Central Constituency	38.6	0.7	0.1	1.7	14.5	0.3	0.1	43.1	0.9	9,649
Purko	27.5	1.1	-	0.6	16.5	0.9	0.2	52.7	0.6	539

Ildamat	56.6	1.4	0.3	3.6	7.4	0.4	0.5	29.9	-	760
Dalalekutuk	61.4	0.6	0.1	1.7	3.6	0.0	0.0	32.4	0.1	2,299
Matapato North	21.5	0.4	-	1.3	18.1	0.2	0.1	56.8	1.6	3,155
Matapato South	36.5	0.7	0.1	1.8	20.9	0.3	0.1	38.4	1.1	2,896
Kajiado East Constituency	74.1	2.3	5.6	4.2	2.4	0.1	0.4	10.8	0.2	10,079
Kaputiei North	80.7	3.6	1.4	4.7	0.4	0.1	0.0	8.8	0.3	2,153
Kitengela	81.0	3.9	10.1	3.4	0.0	0.0	0.9	0.4	0.1	2,459
Oloosirkon/Sholinke	77.9	1.8	11.8	8.1	-	0.1	-	0.2	-	2,332
Kenyewa-Poka	59.0	0.7	0.2	1.0	8.0	0.2	0.7	30.1	0.1	1,995
Imaroro	65.0	0.5	-	2.3	6.7	0.1	-	24.6	0.8	1,140
Kajiado West Constituency	37.1	3.0	0.9	1.6	23.4	0.8	0.2	30.4	2.5	9,319
Keekonyokie	67.2	3.4	2.5	3.1	6.5	0.0	-	17.1	0.2	2,841
Oloodokilan	14.6	0.8	-	0.4	19.6	1.0	1.0	57.6	5.1	1,263
Magadi	19.9	2.9	0.2	0.8	46.5	0.8	0.1	23.1	5.7	2,259
Ewuaso Kedong	41.4	2.2	0.5	1.8	20.9	1.9	0.0	30.6	0.5	2,183
Mosiro	1.9	7.6	-	-	31.4	0.4	-	55.8	2.8	773
Kajiado South Constituency	49.6	0.6	0.1	2.9	37.9	0.7	0.9	6.4	0.9	10,582
Entonet/Lengism	25.9	0.2	0.0	2.6	52.5	0.3	0.4	17.2	0.8	2,075
Imbirikani/Esselengei	27.5	0.4	-	0.1	54.5	1.7	-	14.6	1.2	1,440
Kuku	57.9	0.7	0.4	1.4	36.6	0.8	0.0	1.3	0.8	2,834
Rombo	70.1	1.0	-	3.5	21.2	0.5	1.8	1.0	1.0	2,719
Kimana	50.9	0.5	-	7.5	34.3	0.2	2.7	3.4	0.5	1,514

Table 10.20: 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
Kajiado County	27.7	7.5	22.6	3.3	8.2	26.6	2.0	0.5	1.6	170,129
Kajiado North Constituency	52.4	4.8	1.6	0.9	4.1	35.3	0.0	0.2	0.7	56,678
Olkeri	41.7	1.8	1.6	0.5	5.6	48.4	0.0	0.2	0.0	11,049
Ongat Rongai	72.7	4.1	0.6	0.1	2.3	18.2	0.0	0.3	1.6	12,945
Nkaimurunya	55.5	5.8	1.9	1.8	2.2	32.1	0.0	0.2	0.5	17,417
Oloolua	40.2	4.6	2.6	0.7	5.7	45.4	0.0	0.2	0.6	9,561

Ngong	38.2	9.7	1.1	0.6	8.4	41.4	0.1	0.2	0.3	5,706
Kajiado Central Constituency	12.7	10.9	46.7	9.0	1.1	13.1	3.3	0.2	3.0	22,398
Purko	2.0	5.8	70.8	7.0	0.8	11.0	1.8	0.2	0.7	1,007
Ildamat	37.1	7.7	27.8	5.9	2.1	17.0	0.4	0.3	1.7	1,990
Dalalekutuk	25.8	12.1	33.7	8.5	0.8	17.7	0.2	0.2	1.2	6,296
Matapato North	1.5	6.0	57.9	5.6	1.3	14.5	6.7	0.3	6.2	6,436
Matapato South	5.4	16.1	50.3	13.9	1.1	6.6	4.2	0.1	2.5	6,669
Kajiado East Constituency	28.8	14.2	13.4	2.6	1.6	38.0	0.4	0.6	0.4	36,689
Kaputei North	12.9	8.0	11.3	1.2	2.2	63.3	0.2	0.4	0.4	7,916
Kitengela	45.3	8.1	0.4	0.2	1.4	43.7	0.1	0.8	0.1	10,220
Oloosirkon/Sholinke	45.6	12.2	0.7	0.4	1.9	38.8	0.0	0.1	0.2	10,069
Kenyewa-Poka	5.5	34.9	42.3	6.2	1.2	7.2	0.9	1.4	0.5	5,170
Imaroro	1.1	22.0	52.6	14.7	0.4	5.6	2.0	0.3	1.4	3,314
Kajiado West Constituency	12.9	5.1	36.8	4.0	4.0	26.3	6.8	0.4	3.7	25,232
Keekonyokie	24.5	1.6	16.4	1.2	4.8	48.6	0.8	0.4	1.6	9,328
Oloodokilan	1.2	2.6	46.6	8.7	0.5	7.7	14.3	0.6	17.8	3,090
Magadi	0.9	17.1	50.3	2.3	5.1	7.4	12.6	0.3	4.1	5,533
Ewuaso Kedong	14.8	1.8	44.0	7.4	4.3	23.8	3.4	0.3	0.3	5,986
Mosiro	0.4	0.9	68.6	4.0	0.1	1.6	23.5	0.3	0.5	1,295
Kajiado South Constituency	2.4	3.8	44.4	4.1	33.4	6.0	3.0	1.1	1.9	29,132
Entonet/Lengism	1.6	1.0	59.8	4.2	27.3	1.7	2.3	0.1	1.9	4,606
Imbirikani/Es-selengei	1.2	1.0	54.9	8.7	11.7	5.9	11.1	0.4	5.1	3,876
Kuku	4.0	6.0	39.0	4.5	40.0	2.8	2.0	0.9	0.8	8,296
Rombo	1.3	3.8	40.0	1.3	38.0	12.0	0.5	2.1	1.1	8,055
Kimana	3.5	5.0	36.8	4.2	38.5	5.9	2.9	1.0	2.3	4,299

Table 10.21: 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
Kajiado County	30.0	7.8	18.0	2.9	8.2	29.5	1.7	0.5	1.3	116,882
Kajiado North Constituency	51.6	4.8	1.6	0.8	4.1	36.2	0.0	0.2	0.7	43,060
Olkeri	41.0	1.8	1.5	0.5	5.6	49.3	0.0	0.3	0.0	8,649
Ongat Rongai	71.9	4.1	0.7	0.1	2.2	18.9	0.0	0.3	1.7	9,525
Nkaimurunya	54.6	5.7	1.9	1.7	2.3	33.1	0.0	0.2	0.4	13,462
Oloolua	40.1	4.6	2.5	0.6	5.7	45.6	0.0	0.3	0.6	7,316
Ngong	37.8	9.6	0.9	0.6	8.3	42.0	0.1	0.3	0.4	4,108

Kajiado Central Constituency	15.6	13.2	39.8	8.7	1.2	16.1	2.8	0.2	2.4	12,749
Purko	2.4	7.5	65.4	6.4	1.3	14.3	1.9	0.2	0.6	468
Ildamat	40.2	8.5	21.5	5.4	2.7	20.5	0.2	0.2	0.8	1,230
Dalalekutuk	28.7	12.8	28.9	7.6	0.9	19.2	0.3	0.1	1.4	3,997
Matapato North	1.9	8.5	51.0	5.7	1.3	20.1	6.4	0.3	4.8	3,281
Matapato South	7.1	20.0	44.3	13.9	1.0	8.2	3.3	0.1	2.2	3,773
Kajiado East Constituency	29.8	13.7	10.4	2.4	1.8	40.5	0.3	0.6	0.4	26,610
Kaputiei North	13.6	8.2	7.0	1.0	2.7	66.7	0.1	0.4	0.2	5,763
Kitengela	44.9	7.9	0.4	0.2	1.4	44.3	0.1	0.8	0.1	7,761
Oloosirkon/Sholinke	44.7	11.4	0.7	0.5	2.0	40.2	0.0	0.1	0.3	7,737
Kenyewa-Poka	5.7	37.6	37.2	5.9	1.7	8.3	1.0	1.9	0.7	3,175
Imaroro	1.2	22.1	50.7	15.9	0.5	5.7	2.0	0.1	1.7	2,174
Kajiado West Constituency	15.3	6.3	30.4	3.7	4.5	30.5	5.5	0.4	3.4	15,913
Keekonyokie	26.0	1.6	12.0	0.9	5.2	51.9	0.7	0.4	1.2	6,487
Oloodokilan	1.4	3.4	43.9	8.5	0.6	9.3	14.1	0.7	18.1	1,827
Magadi	1.1	23.2	46.2	2.5	5.4	8.5	9.2	0.3	3.6	3,274
Ewuaso Kedong	17.7	1.9	37.6	7.0	4.9	27.0	3.2	0.3	0.4	3,803
Mosiro	1.0	1.5	61.5	3.3	-	2.9	28.4	0.6	1.0	522
Kajiado South Constituency	2.7	4.0	41.4	3.9	35.0	6.5	3.6	1.1	1.8	18,550
Entonet/Lengism	2.3	1.3	53.7	3.8	31.0	2.1	2.6	0.2	3.0	2,531
Imbirikani/Esselengei	1.1	1.1	50.5	7.8	13.0	6.7	15.3	0.4	4.1	2,436
Kuku	4.5	6.2	37.4	4.4	40.9	2.9	2.3	0.8	0.6	5,462
Rombo	1.4	3.8	39.2	1.3	37.8	12.6	0.7	2.0	1.1	5,336
Kimana	3.4	5.2	34.6	4.4	40.8	5.9	2.7	1.0	2.0	2,785

Table 10.22: 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

Kajiado County	22.5	6.8	32.8	4.2	8.1	20.2	2.8	0.5	2.1	53,247
Kajiado North Constituency	54.8	5.1	1.7	0.9	4.1	32.5	0.0	0.2	0.7	13,618
Olkeri	44.3	1.9	2.0	0.5	5.7	45.3	0.0	0.2	0.0	2,400
Ongat Rongai	74.6	4.2	0.6	0.1	2.4	16.3	-	0.4	1.5	3,420
Nkaimurunya	58.6	6.0	1.8	2.1	1.8	28.8	-	0.2	0.7	3,955
Oloolua	40.4	4.6	3.2	0.9	5.6	44.5	-	0.2	0.6	2,245
Ngong	39.1	10.0	1.4	0.4	8.7	39.9	0.1	0.2	0.1	1,598
Kajiado Central Constituency	8.8	7.8	55.9	9.3	1.0	9.1	4.0	0.3	3.8	9,649
Purko	1.7	4.3	75.5	7.4	0.4	8.2	1.7	0.2	0.7	539
Ildamat	32.1	6.4	37.9	6.8	1.2	11.4	0.7	0.4	3.0	760
Dalalekutuk	20.7	10.8	41.9	10.1	0.5	14.9	-	0.3	0.8	2,299
Matapato North	1.0	3.5	65.2	5.4	1.3	8.8	6.9	0.3	7.7	3,155
Matapato South	3.1	11.0	58.0	13.8	1.2	4.5	5.4	0.1	2.8	2,896
Kajiado East Constituency	26.0	15.6	21.5	3.2	1.0	31.4	0.5	0.6	0.3	10,079
Kaputiei North	11.1	7.5	22.9	1.7	0.9	54.1	0.6	0.5	0.7	2,153
Kitengela	46.4	8.7	0.5	0.2	1.3	41.8	0.1	0.9	0.2	2,459
Oloosirkon/Sholinke	48.4	14.7	0.4	0.3	1.8	34.3	-	0.1	0.0	2,332
Kenyewa-Poka	5.1	30.5	50.5	6.6	0.4	5.5	0.6	0.8	0.1	1,995
Imaroro	0.9	21.7	56.2	12.4	0.4	5.3	1.9	0.6	0.7	1,140
Kajiado West Constituency	8.9	3.0	47.6	4.6	3.2	19.0	9.2	0.4	4.3	9,319
Keekonyokie	21.0	1.4	26.5	1.9	4.0	41.1	1.1	0.5	2.5	2,841
Oloodokilan	1.0	1.3	50.4	9.0	0.4	5.5	14.6	0.6	17.3	1,263
Magadi	0.5	8.2	56.2	2.0	4.7	5.7	17.7	0.3	4.7	2,259
Ewuaso Kedong	9.6	1.5	55.2	8.1	3.3	18.1	3.8	0.3	0.1	2,183
Mosiro	-	0.5	73.5	4.5	0.1	0.8	20.2	0.1	0.3	773
Kajiado South Constituency	2.0	3.3	49.5	4.5	30.8	5.1	1.8	1.1	2.0	10,582
Entonet/Lengism	0.7	0.7	67.3	4.8	22.7	1.1	2.0	0.0	0.6	2,075
Imbirikani/Esselengei	1.4	0.8	62.3	10.3	9.4	4.6	4.1	0.3	6.7	1,440
Kuku	3.0	5.6	42.1	4.8	38.3	2.6	1.3	1.2	1.1	2,834
Rombo	1.2	3.6	41.5	1.2	38.4	10.6	0.1	2.3	1.1	2,719
Kimana	3.6	4.5	41.0	3.8	34.3	5.9	3.2	0.9	2.8	1,514

Table 10.23: Source of Water by County, Constituency and Ward

County/Constituency/Wards	Pond	Dam	Lake	Stream/River	Unprotected Spring	Unprotected Well	Jabia	Water vendor	Other	Unimproved Sources	Protected Spring	Protected Well	Borehole	Piped into Dwelling	Piped	Rain Water Collection	Improved Sources	Number of Individuals
Kenya	2.7	2.4	1.2	23.2	5.0	6.9	0.3	5.2	0.4	47.4	7.6	7.7	11.6	5.9	19.2	0.7	52.6	37,919,647
Rural	3.6	3.2	1.5	29.6	6.4	8.7	0.4	2.2	0.5	56.0	9.2	8.1	12.0	1.8	12.1	0.8	44.0	26,075,195
Urban	0.9	0.7	0.5	9.2	1.9	2.9	0.2	11.8	0.1	28.3	4.0	6.8	10.7	14.7	34.9	0.5	71.7	11,844,452
Kajiado County	0.9	4.1	0.2	10.7	1.7	4.2	0.2	11.6	0.1	33.8	2.1	3.4	25.7	8.5	25.9	0.6	66.2	676,752
Kajiado North Constituency	0.2	0.2	0.0	0.9	0.1	0.5	0.2	20.7	0.2	23.1	0.6	0.6	29.1	17.0	29.0	0.5	76.9	191,565
Olkeri	0.3	0.2	0.0	1.0	0.4	1.3	0.1	14.2	0.1	17.5	1.4	1.2	26.7	17.6	34.4	1.1	82.5	41,162
Ongat Rongai	0.2	0.1	0.0	0.3	0.0	0.2	0.1	19.5	0.0	20.4	0.1	0.1	38.1	18.8	22.1	0.4	79.6	44,231
Nkaimurunya	0.1	0.2	0.0	1.7	0.1	0.3	0.5	28.8	0.4	32.2	0.5	0.1	25.8	12.0	29.1	0.3	67.8	54,957
Oboolua	0.2	0.4	0.0	0.7	0.1	0.4	0.1	13.7	0.4	16.0	0.9	1.6	22.5	21.4	37.1	0.4	84.0	33,366
Ngong	0.1	0.0	0.0	0.1	0.0	0.2	0.2	27.2	0.0	27.8	0.0	0.1	35.4	18.1	18.4	0.3	72.2	17,849
Kajiado Central Constituency	0.0	5.8	0.1	3.5	1.3	15.3	0.1	9.4	0.2	35.7	1.9	4.6	44.7	2.1	10.9	0.1	64.3	102,819
Purko	0.1	3.8	0.0	0.4	0.1	5.7	0.0	0.6	3.2	13.9	0.1	10.6	75.2	0.0	0.0	0.1	86.1	5,335
Ilamat	0.0	3.6	0.1	3.7	0.1	8.7	0.0	40.1	0.2	56.5	1.1	1.8	37.7	1.3	1.5	0.2	43.5	9,472
Dalalekutuk	0.0	18.6	0.3	6.5	1.7	5.2	0.2	12.5	0.1	45.2	1.6	3.3	46.7	0.5	2.6	0.2	54.8	27,554
Matapato North	0.0	0.7	0.0	4.4	0.7	28.0	0.0	4.0	0.0	37.8	4.6	9.4	42.3	1.3	4.5	0.0	62.2	29,590
Matapato South	0.1	0.2	0.0	0.4	2.0	15.8	0.2	3.7	0.0	22.4	0.2	1.0	42.2	4.8	29.3	0.0	77.6	30,868
Kajiado East Constituency	0.5	4.3	0.1	4.9	1.0	3.2	0.1	11.7	0.1	25.9	0.8	3.8	21.5	9.4	37.8	0.8	74.1	133,179
Kaputiei North	0.3	13.3	0.3	4.9	0.4	6.2	0.1	6.0	0.3	31.8	1.1	10.5	25.3	2.8	28.2	0.3	68.2	28,874
Kitengela	0.2	0.3	0.0	0.4	0.0	0.1	0.2	12.8	0.1	14.2	0.2	0.2	14.4	19.3	51.4	0.2	85.8	30,453
Oloosirkon/Sholinke	0.2	2.4	0.1	6.4	0.4	0.5	0.2	22.6	0.0	32.9	0.9	0.9	17.5	14.7	31.5	1.6	67.1	32,502
Kenyewa-Poka	1.5	0.8	0.0	4.3	4.2	3.6	0.1	10.5	0.0	24.9	1.4	0.4	19.6	3.3	49.1	1.4	75.1	24,322
Imaroro	0.7	4.4	0.0	10.4	0.1	8.7	0.1	0.3	0.0	24.7	0.1	9.0	38.3	1.3	25.9	0.6	75.3	17,028
Kajiado West Constituency	4.3	13.6	0.3	14.1	2.7	4.1	0.6	8.1	0.1	48.0	3.1	5.0	17.1	5.5	20.4	0.9	52.0	114,448
Keekonyokie	0.5	7.6	0.0	8.7	3.6	6.2	0.1	8.1	0.1	34.8	6.9	6.4	22.1	7.6	21.3	0.9	65.2	38,361
Obodokilan	5.1	31.3	0.1	9.4	0.1	11.2	0.0	0.2	0.0	57.5	0.7	17.9	22.7	0.0	1.0	0.2	42.5	16,463
Magadi	2.4	7.1	0.0	38.4	0.5	1.0	2.5	11.3	0.2	63.3	0.3	1.1	0.3	8.6	24.9	1.5	36.7	24,791
Ewuaso Kedong	11.3	11.0	0.0	0.8	5.4	0.8	0.1	11.6	0.1	41.0	2.5	0.3	20.6	4.4	30.3	0.9	59.0	29,148
Mosiro	0.1	45.3	5.2	27.2	0.0	0.1	0.1	0.3	0.0	78.3	0.0	0.0	21.5	0.0	0.2	0.0	21.7	5,685
Kajiado South Constituency	0.1	0.1	0.6	32.8	4.3	1.9	0.1	3.4	0.1	43.3	5.0	4.6	17.7	3.0	25.7	0.6	56.7	134,741
Eritoned/Lengism	0.3	0.0	1.4	8.0	2.6	3.4	0.0	0.2	0.0	15.8	2.6	1.2	51.8	0.6	27.9	0.0	84.2	23,043

Imbirikani/Esselengei	0.0	0.0	0.1	40.1	0.0	0.1	0.0	2.8	0.0	43.1	1.8	2.8	9.9	0.4	40.1	1.9	56.9	18,352
Kuku	0.1	0.5	0.0	44.4	3.6	1.4	0.0	3.8	0.0	53.9	2.4	1.7	8.0	5.8	26.9	1.4	46.1	36,523
Rombo	0.1	0.0	1.2	30.7	6.0	3.2	0.1	4.6	0.3	46.2	5.6	10.6	16.4	1.6	19.5	0.1	53.8	37,179
Kimana	0.0	0.0	0.0	37.7	8.2	0.5	0.0	4.5	0.0	50.8	14.7	4.2	5.6	5.4	19.3	0.0	49.2	19,644

Table 10.24: Source of Water of Male headed Household by County Constituency and Ward

County/Constituency/Wards	Pond	Dam	Lake	Stream/ River	Unprotected Spring	Unprotect- ed Well	Jabia	Water vendor	Other	Unimproved Sources	Protected Spring	Protected Well	Bore- hole	Piped into Dwelling	Piped	Rain Water Collection	Improved 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
Kajiado County	0.8	3.3	0.2	10.2	1.6	3.4	0.2	12.5	0.2	32.4	2.0	3.1	25.2	9.5	27.2	0.6	67.6	469,415
Kajiado North Constituency	0.2	0.2	0.0	0.9	0.1	0.5	0.2	20.5	0.2	22.8	0.6	0.6	29.2	17.0	29.3	0.5	77.2	150,474
Olkeri	0.3	0.2	0.0	0.9	0.4	1.2	0.1	14.3	0.1	17.4	1.3	1.3	27.4	17.7	33.8	1.1	82.6	33,236
Ongat Rongai	0.2	0.1	0.0	0.4	0.0	0.2	0.1	19.3	0.0	20.3	0.1	0.1	38.1	18.9	22.2	0.3	79.7	34,256
Nkaimurunya	0.1	0.1	-	1.6	0.0	0.3	0.5	28.6	0.4	31.8	0.6	0.1	25.7	11.6	29.9	0.3	68.2	43,398
Oloolua	0.2	0.3	-	0.7	0.1	0.4	0.1	13.4	0.5	15.7	0.8	1.7	23.0	21.7	36.8	0.4	84.3	26,274
Ngong	0.1	0.1	-	0.1	0.0	0.2	0.2	27.1	0.0	27.9	0.0	0.1	34.1	18.5	19.1	0.4	72.1	13,310
Kajiado Central Constituency	0.1	5.6	0.1	3.6	1.2	13.3	0.1	10.7	0.2	34.8	1.6	3.8	44.9	2.4	12.4	0.1	65.2	59,585
Purko	-	3.1	-	0.1	0.2	5.8	-	0.7	2.5	12.5	-	11.2	76.3	-	-	-	87.5	2,697
Ildamat	-	3.3	-	3.0	-	6.9	-	42.5	0.0	55.8	0.9	1.3	38.4	1.2	2.1	0.2	44.2	5,733
Dalalekutuk	0.1	16.8	0.2	6.4	1.6	5.7	0.2	13.7	0.2	44.8	1.5	3.3	47.6	0.6	2.0	0.2	55.2	17,522
Matapato North	0.0	0.5	-	5.2	0.6	25.1	-	4.8	0.0	36.2	3.8	7.6	45.9	1.6	4.8	-	63.8	15,548

Matapato South	0.1	0.2	-	0.3	1.9	13.6	0.2	4.2	0.0	20.5	0.3	0.8	38.8	5.4	34.1	0.0	79.5	18,085
Kajiado East Constituency	0.5	3.4	0.1	4.4	0.8	2.8	0.2	12.4	0.1	24.8	0.7	3.4	21.2	10.2	38.8	0.8	75.2	97,362
Kaputiei North	0.3	10.0	0.3	4.2	0.5	5.5	0.0	6.6	0.3	27.7	1.0	9.9	25.1	3.3	32.8	0.2	72.3	20,312
Kiengela	0.2	0.3	-	0.3	0.0	0.1	0.2	12.7	0.1	14.0	0.2	0.2	14.0	19.4	52.0	0.2	86.0	24,139
Oloosirkon/Sholinke	0.2	2.4	0.1	5.9	0.4	0.5	0.2	23.1	0.0	32.8	0.9	0.8	17.8	14.6	31.4	1.6	67.2	26,222
Kenyewa-Poka	1.5	1.0	-	3.8	3.8	3.1	0.1	10.5	-	24.0	0.8	0.4	20.5	3.8	49.2	1.3	76.0	15,228
Imaroro	0.6	4.2	-	11.1	0.1	8.9	0.1	0.4	-	25.4	0.2	8.5	38.5	1.6	25.0	0.8	74.6	11,461
Kajiado West Constituency	3.9	11.6	0.2	13.1	2.7	4.4	0.6	8.7	0.1	45.3	2.9	5.3	17.2	6.8	21.8	0.8	54.7	73,688
Keekonyokie	0.5	6.4	0.0	7.6	3.2	6.3	0.1	9.0	0.1	33.2	5.9	6.6	22.4	8.1	22.8	0.9	66.8	27,140
Oloodokilan	4.7	30.3	0.1	9.4	0.2	12.0	-	0.3	0.0	57.0	0.8	18.3	22.9	-	0.8	0.2	43.0	10,190
Magadi	2.3	5.7	0.0	38.0	0.6	1.1	2.7	9.2	0.2	60.0	0.1	1.1	0.3	11.6	26.0	0.8	40.0	14,910
Ewuaso Kedong	10.1	10.0	-	0.9	5.3	0.9	0.1	13.5	0.1	40.9	2.1	0.3	19.1	5.5	31.0	1.1	59.1	18,953
Mosiro	0.2	38.0	4.2	32.5	-	-	0.2	0.6	-	75.6	-	-	23.9	-	0.4	-	24.4	2,495
Kajiado South Constituency	0.1	0.1	0.6	34.3	4.2	1.7	0.1	3.4	0.1	44.5	5.2	4.7	16.3	3.1	25.5	0.6	55.5	88,306
Eritonet/Lengism	0.1	-	0.9	7.1	2.6	3.2	-	0.2	-	14.1	2.3	1.6	50.5	0.9	30.6	-	85.9	13,384
Imbirikani/Esselengei	-	-	0.1	43.9	-	0.2	-	3.2	0.0	47.4	2.0	2.6	9.9	0.4	35.6	2.0	52.6	11,723
Kuku	0.0	0.4	0.0	45.4	3.6	1.2	0.1	3.5	0.0	54.2	2.7	1.5	6.9	5.7	27.7	1.2	45.8	24,590
Rombo	0.1	0.0	1.5	31.0	6.0	2.8	0.2	4.6	0.2	46.5	5.4	10.5	16.3	1.7	19.6	0.1	53.5	25,590
Kimana	-	-	-	38.9	7.3	0.4	-	4.4	-	51.0	15.3	4.3	5.0	5.5	18.8	-	49.0	13,019

Table 10.25: Source of Water of Female headed Household by County Constituency and Ward

County/Constituency/Wards	Pond	Dam	Lake	Stream/ River	Unprotected Spring	Unprotected Well	Jabia	Water vendor	Other	Unimproved Sources	Protected Spring	Protected Well	Bore- hole	Piped into Dwelling	Piped	Rain Water Collection	Im- proved Sources	Number of Individuals
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
Kajiado County	1.2	5.9	0.3	11.8	2.0	5.9	0.2	9.6	0.1	37.0	2.6	4.0	26.7	6.2	22.9	0.6	63.0	207,337
Kajiado North Constituency	0.2	0.3	0.0	1.1	0.1	0.6	0.2	21.5	0.2	24.1	0.7	0.6	28.9	17.0	28.2	0.5	75.9	41,091
Olkeri	0.3	0.1	0.0	1.5	0.3	1.9	0.1	13.8	0.1	18.0	2.0	1.1	23.6	17.1	37.1	1.1	82.0	7,926
Ongat Rongai	0.2	0.0	-	0.2	0.0	0.3	0.2	20.1	0.1	21.1	0.1	0.1	38.0	18.4	21.9	0.4	78.9	9,975
Nkaimurunya	0.2	0.4	0.0	2.2	0.1	0.3	0.4	29.6	0.4	33.7	0.3	0.1	26.0	13.5	26.0	0.4	66.3	11,559
Oloolua	0.2	0.6	-	0.5	0.1	0.4	0.1	14.9	0.4	17.2	1.3	1.5	20.5	20.6	38.2	0.7	82.8	7,092
Ngong	0.1	-	-	0.2	-	0.0	0.0	27.3	-	27.6	-	0.0	39.1	16.8	16.3	0.1	72.4	4,539
Kajiado Central Constituency	0.0	6.0	0.1	3.4	1.3	18.1	0.1	7.5	0.3	36.9	2.3	5.7	44.5	1.7	8.9	0.1	63.1	43,234
Purko	0.2	4.6	-	0.6	-	5.6	-	0.4	3.9	15.4	0.3	10.1	74.1	-	-	0.2	84.6	2,638
Ildamat	-	4.0	0.2	4.8	0.2	11.4	0.1	36.5	0.6	57.7	1.4	2.4	36.6	1.4	0.4	0.1	42.3	3,739
Dalalekutuk	-	21.8	0.3	6.8	1.8	4.4	0.3	10.4	-	45.8	1.6	3.5	45.0	0.3	3.7	0.1	54.2	10,032
Matapato North	-	0.9	-	3.5	0.9	31.2	-	3.1	-	39.6	5.5	11.4	38.4	0.8	4.2	-	60.4	14,042
Matapato South	-	0.2	0.0	0.6	2.2	18.9	0.2	3.1	0.0	25.2	0.1	1.2	47.0	4.0	22.4	0.1	74.8	12,783
Kajiado East Constituency	0.6	6.4	0.1	6.0	1.3	4.4	0.1	9.7	0.1	28.8	1.1	4.7	22.4	7.1	35.1	0.9	71.2	35,817
Kaputei North	0.3	21.1	0.5	6.7	0.3	7.8	0.1	4.7	0.2	41.7	1.3	11.9	26.0	1.6	17.2	0.4	58.3	8,562

Kitengela	0.2	0.3	-	1.0	-	0.2	13.3	0.1	15.2	0.3	0.1	16.2	18.7	49.3	0.2	84.8	6,314
Oloosirkon/ Sholinke	0.2	2.8	0.1	8.9	0.4	0.5	20.4	-	33.4	0.7	1.2	16.2	14.9	31.9	1.7	66.6	6,280
Kenyewa-Poka	1.5	0.4	-	5.0	4.7	4.3	10.5	-	26.5	2.3	0.3	18.1	2.5	48.8	1.6	73.5	9,094
Imaroro	0.9	4.9	-	9.0	-	8.4	0.1	0.0	23.3	0.0	10.0	37.8	0.8	27.7	0.3	76.7	5,567
Kajiado West Constituency	5.0	17.3	0.5	16.0	2.8	3.5	0.5	0.1	52.8	3.6	4.6	16.8	3.3	17.9	1.0	47.2	40,760
Keekonyokie	0.5	10.3	-	11.6	4.7	6.0	0.0	0.1	38.8	9.4	5.8	21.4	6.3	17.5	0.7	61.2	11,221
Oloondokilan	5.8	33.0	0.0	9.4	-	10.0	0.1	-	58.2	0.4	17.4	22.5	-	1.4	0.1	41.8	6,273
Magadi	2.5	9.1	-	38.9	0.3	0.8	2.1	0.2	68.3	0.5	1.2	0.2	3.9	23.3	2.6	31.7	9,881
Ewuaso Kedong	13.6	12.8	0.1	0.6	5.5	0.6	-	0.0	41.2	3.2	0.3	23.4	2.5	28.8	0.6	58.8	10,195
Mosiro	-	51.0	6.0	23.2	-	0.2	-	-	80.3	-	-	19.7	-	-	-	19.7	3,190
Kajiado South Constituency	0.2	0.2	0.5	30.1	4.3	2.4	0.0	0.1	41.1	4.7	4.3	20.4	2.7	26.1	0.7	58.9	46,435
Entonet/Lengism	0.6	0.1	2.0	9.3	2.5	3.7	-	0.1	18.2	3.0	0.6	53.6	0.3	24.3	-	81.8	9,659
Imbinkani/Es- selengei	-	-	0.0	33.4	-	-	0.0	2.0	35.4	1.5	3.2	9.9	0.4	48.1	1.6	64.6	6,629
Kuku	0.2	0.8	0.0	42.4	3.5	1.9	0.0	4.5	53.3	1.8	1.9	10.3	5.8	25.2	1.7	46.7	11,933
Rombo	0.2	-	0.4	30.0	6.0	4.1	0.1	0.3	45.6	6.1	10.8	16.6	1.5	19.3	0.1	54.4	11,589
Kimana	-	-	-	35.2	9.9	0.6	-	4.7	50.4	13.5	4.0	6.9	5.1	20.2	-	49.6	6,625

Table 10.26: 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

Kajiado County	1.16	9.69	0.23	4.17	40.25	55.52	11.72	0.13	32.43	0.20	44.48	676,752
Kajiado North Constituency	2.29	24.55	0.55	6.47	48.45	82.30	17.12	0.25	0.27	0.06	17.70	191,565
Olkeri	1.02	17.58	0.62	9.46	48.55	77.23	21.93	0.25	0.55	0.04	22.77	41,162
Ongat Rongai	2.60	42.53	0.35	3.07	40.11	88.66	10.88	0.14	0.22	0.10	11.34	44,231
Nkaimurunya	1.40	15.46	0.88	6.71	54.46	78.91	20.60	0.28	0.13	0.08	21.09	54,957
Oloolua	2.15	23.85	0.22	7.56	51.16	84.95	14.57	0.11	0.34	0.02	15.05	33,366
Ngong	7.43	25.35	0.43	5.17	45.31	83.70	15.55	0.68	0.04	0.03	16.30	17,849
Kajiado Central Constituency	0.46	0.43	0.03	3.75	26.28	30.96	6.08	0.06	62.82	0.09	69.04	102,819
Purko	0.00	0.15	0.00	2.64	16.14	18.93	1.26	0.00	79.76	0.06	81.07	5,335
Idamat	2.83	1.58	0.15	1.84	54.67	61.06	6.94	0.29	31.59	0.13	38.94	9,472
Dalalekutuk	0.47	0.46	0.00	3.01	32.76	36.71	10.12	0.09	52.95	0.13	63.29	27,554
Matapato North	0.00	0.03	0.01	0.99	15.50	16.54	3.57	0.00	79.85	0.04	83.46	29,590
Matapato South	0.26	0.48	0.05	7.82	23.88	32.48	5.45	0.04	61.94	0.09	67.52	30,868
Kajiado East Constituency	1.87	9.28	0.25	2.87	52.80	67.07	10.05	0.19	22.43	0.27	32.93	133,179
Kaputiei North	1.54	0.79	0.05	1.96	65.15	69.49	4.61	0.03	25.07	0.80	30.51	28,874
Kilengela	3.08	22.34	0.21	2.50	53.22	81.35	16.80	0.12	1.51	0.21	18.65	30,453
Oloosirkon/Sholinke	3.19	13.89	0.55	5.78	61.85	85.26	11.16	0.44	3.08	0.07	14.74	32,502
Kenyewa-Poka	0.27	3.13	0.29	0.95	37.63	42.27	5.16	0.20	52.28	0.09	57.73	24,322
Imaroro	0.05	0.29	0.00	2.29	35.50	38.13	12.06	0.06	49.66	0.09	61.87	17,028
Kajiado West Constituency	0.31	4.65	0.09	3.20	27.04	35.28	8.31	0.03	56.28	0.10	64.72	114,448
Keekonyokie	0.32	5.85	0.07	5.86	43.32	55.42	19.43	0.03	25.11	0.01	44.58	38,361
Oloodokilan	0.00	0.09	0.00	2.37	10.67	13.12	0.69	0.00	85.77	0.41	86.88	16,463
Magadi	0.71	8.61	0.09	1.65	12.14	23.19	2.94	0.04	73.74	0.08	76.81	24,791
Ewuaso Kedong	0.16	3.15	0.15	2.10	32.50	38.06	4.01	0.06	57.82	0.05	61.94	29,148
Mosiro	0.16	0.09	0.16	0.02	1.58	2.01	0.69	0.00	97.17	0.14	97.99	5,685
Kajiado South Constituency	0.13	0.35	0.06	3.35	38.07	41.96	12.92	0.03	44.58	0.51	58.04	134,741
Entonet/Lengism	0.34	0.13	0.00	0.49	20.54	21.50	18.70	0.00	59.70	0.10	78.50	23,043
Imbirikani/Esselengei	0.19	0.20	0.03	5.62	16.45	22.48	1.71	0.03	72.68	3.10	77.52	18,352
Kuku	0.09	0.77	0.15	4.33	38.17	43.52	14.15	0.03	42.15	0.16	56.48	36,523
Rombo	0.06	0.32	0.01	1.58	56.71	58.68	13.64	0.07	27.52	0.09	41.32	37,179
Kimana	0.04	0.00	0.08	6.11	43.39	49.62	12.96	0.02	37.41	0.00	50.38	19,644

Table 10.27: 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	26,755,066
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	78.58	17.41	0.70	3.13	0.18	21.42	8,738,595
Kajiado County	1.22	10.98	0.26	4.50	43.50	60.46	12.57	0.14	26.65	0.18	39.54	469,415
Kajiado North Constituency	2.15	24.35	0.55	6.32	48.95	82.31	17.12	0.24	0.27	0.07	17.69	150,474
Olkeri	0.97	17.58	0.73	9.22	49.21	77.73	21.51	0.26	0.46	0.05	22.27	33,236
Ongat Rongai	2.43	42.61	0.33	3.02	40.21	88.61	10.91	0.10	0.26	0.12	11.39	34,256
Nkaimurunya	1.34	14.88	0.83	6.39	55.47	78.91	20.66	0.21	0.15	0.08	21.09	43,398
Oloolua	2.04	23.94	0.24	7.28	51.24	84.73	14.74	0.14	0.36	0.03	15.27	26,274
Ngong	7.21	25.96	0.35	5.39	44.99	83.89	15.27	0.81	0.02	0.02	16.11	13,310
Kajiado Central Constituency	0.40	0.55	0.04	4.47	30.96	36.41	6.80	0.06	56.66	0.07	63.59	59,585
Purko	0.00	0.30	0.00	2.97	19.87	23.14	1.04	0.00	75.82	0.00	76.86	2,697
Ilidamat	2.72	2.27	0.23	2.16	58.19	65.57	6.37	0.26	27.59	0.21	34.43	5,733
Dalalekutuk	0.24	0.50	0.00	3.52	35.45	39.71	10.89	0.07	49.23	0.10	60.29	17,522
Matapato North	0.00	0.05	0.00	1.13	19.93	21.11	4.78	0.00	74.08	0.03	78.89	15,548
Matapato South	0.23	0.51	0.04	9.21	29.11	39.10	5.57	0.06	55.23	0.04	60.90	18,085
Kajiado East Constituency	1.91	10.32	0.26	3.05	55.03	70.57	10.28	0.20	18.72	0.24	29.43	97,362
Kaputiei North	1.41	0.93	0.03	1.93	71.36	75.65	4.63	0.03	18.94	0.74	24.35	20,312
Kitengela	2.95	22.78	0.24	2.43	53.49	81.88	16.60	0.12	1.24	0.16	18.12	24,139
Oloosirkon/Sholinke	3.07	13.99	0.55	5.89	61.78	85.27	11.33	0.43	2.89	0.08	14.73	26,222
Kenyewa-Poka	0.34	4.24	0.31	1.19	38.92	44.99	5.34	0.24	49.31	0.12	55.01	15,228
Imaroro	0.05	0.38	0.00	2.30	35.31	38.05	11.15	0.09	50.67	0.04	61.95	11,461
Kajiado West Constituency	0.38	5.74	0.10	3.75	30.86	40.83	9.55	0.03	49.54	0.06	59.17	73,688
Keekonyokie	0.37	6.26	0.08	6.55	45.95	59.22	20.86	0.02	19.88	0.01	40.78	27,140
Oloodokilan	0.00	0.14	0.00	2.75	11.79	14.67	0.82	0.00	84.16	0.34	85.33	10,190
Magadi	0.93	11.82	0.15	1.82	13.68	28.40	3.73	0.05	67.81	0.01	71.60	14,910
Ewuaso Kedong	0.16	3.96	0.14	2.28	36.75	43.29	3.72	0.04	52.93	0.03	56.71	18,953
Mosiro	0.36	0.20	0.00	0.04	2.61	3.21	1.08	0.00	95.71	0.00	96.79	2,495

Kajiado South Constituency	0.13	0.36	0.05	3.63	40.52	44.70	13.77	0.04	41.00	0.50	55.30	88,306
Entonet/Lengism	0.43	0.19	0.00	0.56	22.56	23.74	20.87	0.00	55.22	0.17	76.26	13,384
Imbirikani/Esselengei	0.20	0.19	0.04	5.56	17.96	23.95	1.86	0.05	71.10	3.04	76.05	11,723
Kuku	0.09	0.76	0.12	4.72	39.78	45.47	15.09	0.01	39.28	0.14	54.53	24,590
Rombo	0.02	0.32	0.00	1.71	58.51	60.57	14.26	0.08	24.99	0.11	39.43	25,590
Kimana	0.06	0.00	0.08	6.77	45.35	52.25	13.72	0.03	34.00	0.00	47.75	13,019

Table 10.28: Human Waste Disposal in Female Headed Household by County, Constituency and Ward

County/ Constituency	Main Sewer	Septic Tank	Cess Pool	VIP La- trine	Pit Latrine	Improved Sanitation	Pit Latrine Uncovered	Bucket	Bush	Other	Unim- proved Sanita- tion	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
Kajiado	1.0	6.8	0.2	3.4	32.9	44.3	9.8	0.1	45.5	0.2	55.7	207,337.0
Kajiado North	2.8	25.3	0.5	7.0	46.6	82.3	17.1	0.3	0.3	0.1	17.7	41,091.0
Olkeri	1.2	17.6	0.2	10.5	45.8	75.2	23.7	0.2	0.9	0.0	24.8	7,926.0
Ongat Rongai	3.2	42.2	0.4	3.2	39.8	88.9	10.8	0.3	0.1	0.1	11.1	9,975.0
Nkaimurunya	1.6	17.6	1.1	7.9	50.7	78.9	20.4	0.5	0.0	0.1	21.1	11,559.0
Oloolua	2.6	23.5	0.2	8.6	50.9	85.8	13.9	0.0	0.3	0.0	14.2	7,092.0
Ngong	8.1	23.6	0.7	4.5	46.2	83.1	16.4	0.3	0.1	0.1	16.9	4,539.0
Kajiado Central	0.5	0.3	0.0	2.8	19.8	23.4	5.1	0.1	71.3	0.1	76.6	43,234.0
Purkos	0.0	0.0	0.0	2.3	12.3	14.6	1.5	0.0	83.8	0.1	85.4	2,638.0
Ildamat	3.0	0.5	0.0	1.3	49.3	54.2	7.8	0.3	37.7	0.0	45.8	3,739.0
Dalalekutuk	0.9	0.4	0.0	2.1	28.1	31.5	8.8	0.1	59.5	0.2	68.5	10,032.0
Matapato North	0.0	0.0	0.0	0.8	10.6	11.5	2.2	0.0	86.2	0.0	88.5	14,042.0

Matapato South	0.3	0.4	0.1	5.9	16.5	23.1	5.3	0.0	71.4	0.2	76.9	12,783.0
Kajiado East	1.8	6.5	0.2	2.4	46.7	57.6	9.4	0.2	32.5	0.3	42.4	35,817.0
Kaputiei North	1.9	0.5	0.1	2.0	50.4	54.9	4.6	0.0	39.6	0.9	45.1	8,562.0
Kitengela	3.5	20.6	0.1	2.8	52.2	79.3	17.6	0.2	2.5	0.4	20.7	6,314.0
Oloosirkon/Sholinke	3.7	13.5	0.6	5.3	62.1	85.2	10.4	0.5	3.9	0.0	14.8	6,280.0
Kenyewa-Poka	0.1	1.3	0.3	0.6	35.5	37.7	4.8	0.1	57.2	0.0	62.3	9,094.0
Imaroro	0.0	0.1	0.0	2.3	35.9	38.3	13.9	0.0	47.6	0.2	61.7	5,567.0
Kajiado West	0.2	2.7	0.1	2.2	20.1	25.2	6.1	0.0	68.5	0.2	74.8	40,760.0
Keekonyokie	0.2	4.9	0.0	4.2	37.0	46.2	16.0	0.0	37.8	0.0	53.8	11,221.0
Oloodokilan	0.0	0.0	0.0	1.8	8.8	10.6	0.5	0.0	88.4	0.5	89.4	6,273.0
Magadi	0.4	3.8	0.0	1.4	9.8	15.3	1.8	0.0	82.7	0.2	84.7	9,881.0
Ewuaso Kedong	0.2	1.6	0.2	1.7	24.6	28.3	4.6	0.1	66.9	0.1	71.7	10,195.0
Mosiro	0.0	0.0	0.3	0.0	0.8	1.1	0.4	0.0	98.3	0.3	98.9	3,190.0
Kajiado South	0.1	0.3	0.1	2.8	33.4	36.8	11.3	0.0	51.4	0.5	63.2	46,435.0
Entonet/Lengism	0.2	0.1	0.0	0.4	17.7	18.4	15.7	0.0	65.9	0.0	81.6	9,659.0
Imbirikani/Esselengei	0.2	0.2	0.0	5.7	13.8	19.9	1.4	0.0	75.5	3.2	80.1	6,629.0
Kuku	0.1	0.8	0.2	3.5	34.9	39.5	12.2	0.1	48.1	0.2	60.5	11,933.0
Rombo	0.2	0.3	0.0	1.3	52.7	54.5	12.3	0.1	33.1	0.1	45.5	11,589.0
Kimana	0.0	0.0	0.1	4.8	39.5	44.4	11.5	0.0	44.1	0.0	55.6	6,625.0



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.

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SID
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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.

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