

Exploring Kenya's Inequality

Pulling Apart or Pooling Together?

Kilifi County



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



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

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Written by:

Eston Ngugi

Data and tables generation:

Samuel Kipruto

Paul Samoei

Maps generation:

George Matheka Kamula

Technical Input and Editing:

Katindi Sivi-Njonjo

Jason Lakin

Copy Editing:

Ali Nadim Zaidi

Leonard Wanyama

Design, Print and Publishing:

Ascent Limited

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Foreword

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

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

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

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

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

Ali Hersi

Society for International Development (SID)
Regional Director

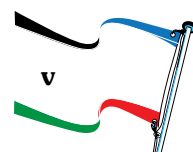


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Stefano Prato
Managing Director,
SID



Striking Features on Intra-County Inequality in Kenya

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

Income/expenditure inequalities

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

Access to Education

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



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

Access to Improved Sanitation

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

Access to Improved Sources of Water

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

Access to Improved Sources of Lighting

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

Access to Improved Housing

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

Overall ranking of the variables

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

Abbreviations

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

Introduction

Background

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

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

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

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

Methodology

Gini-coefficient of inequality

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



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

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

An Illustration of the Lorenz Curve



Small Area Estimation (SAE)

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

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

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

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

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

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

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



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

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

Identification of poor households Principal Component Analysis (PCA)

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

Given that the three main indicators of welfare cannot be determined in a shorter time, an alternative method that is quick is needed. The alternative approach then in measuring welfare is generally through the asset index. In measuring the asset index, multivariate statistical procedures such the factor analysis, 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.

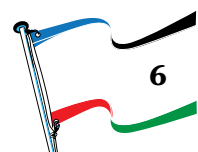
Spatial Dimensions

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.



Kilifi County



KILIFI COUNTY

Figure 14.1: Kilifi Population Pyramid



Population

Kilifi County has a child rich population, where 0-14 year olds constitute 47% of the total population. This is due to high fertility rates among women as shown by the highest percentage household size of 7+ members at 36%.

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 14.3 up to ward level.

Table 14: Overall Empowerment by Education Levels in Kilifi County

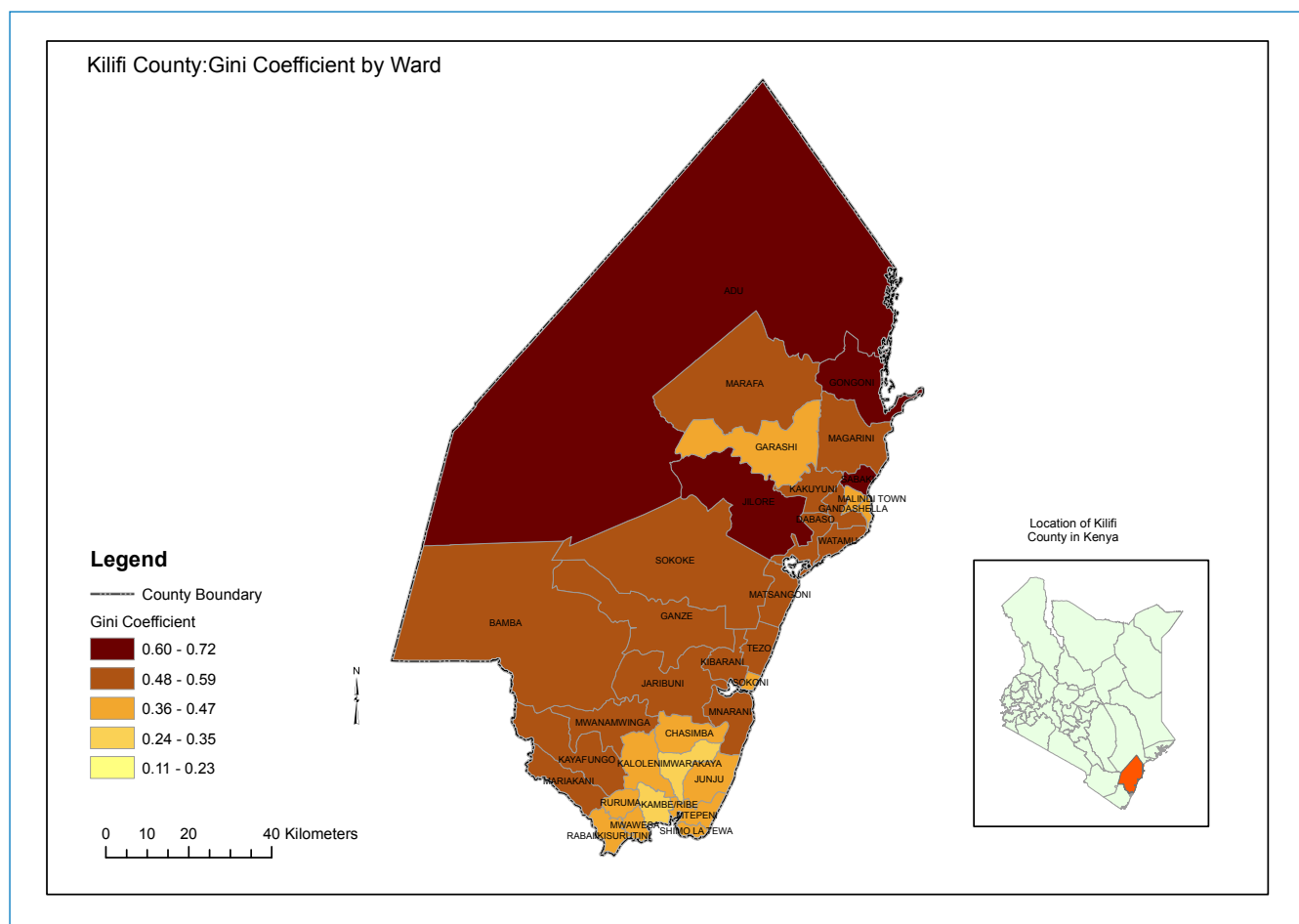
Education Level	Work for pay	Family Business	Family Agricultural Holding	Intern/Volunteer	Retired/ Home-maker	Fulltime Student	Incapacitated	No work	Number of Individuals
Total	24.8	12.2	22.3	1.3	17.1	13.7	0.5	8.1	544,445
None	15.8	11.8	35.5	1.7	26.0	0.4	1.2	7.7	144,005
Primary	23.2	12.0	21.0	1.1	15.7	18.5	0.4	8.2	281,751
Secondary+	39.4	13.0	9.4	1.3	9.5	18.6	0.2	8.6	118,689

In Kilifi County, 16% of the residents with no formal education, 23% of those with primary education and 39% 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 10 percentage points above the level in Kilifi for those with secondary level of education or above.

Gini Coefficient

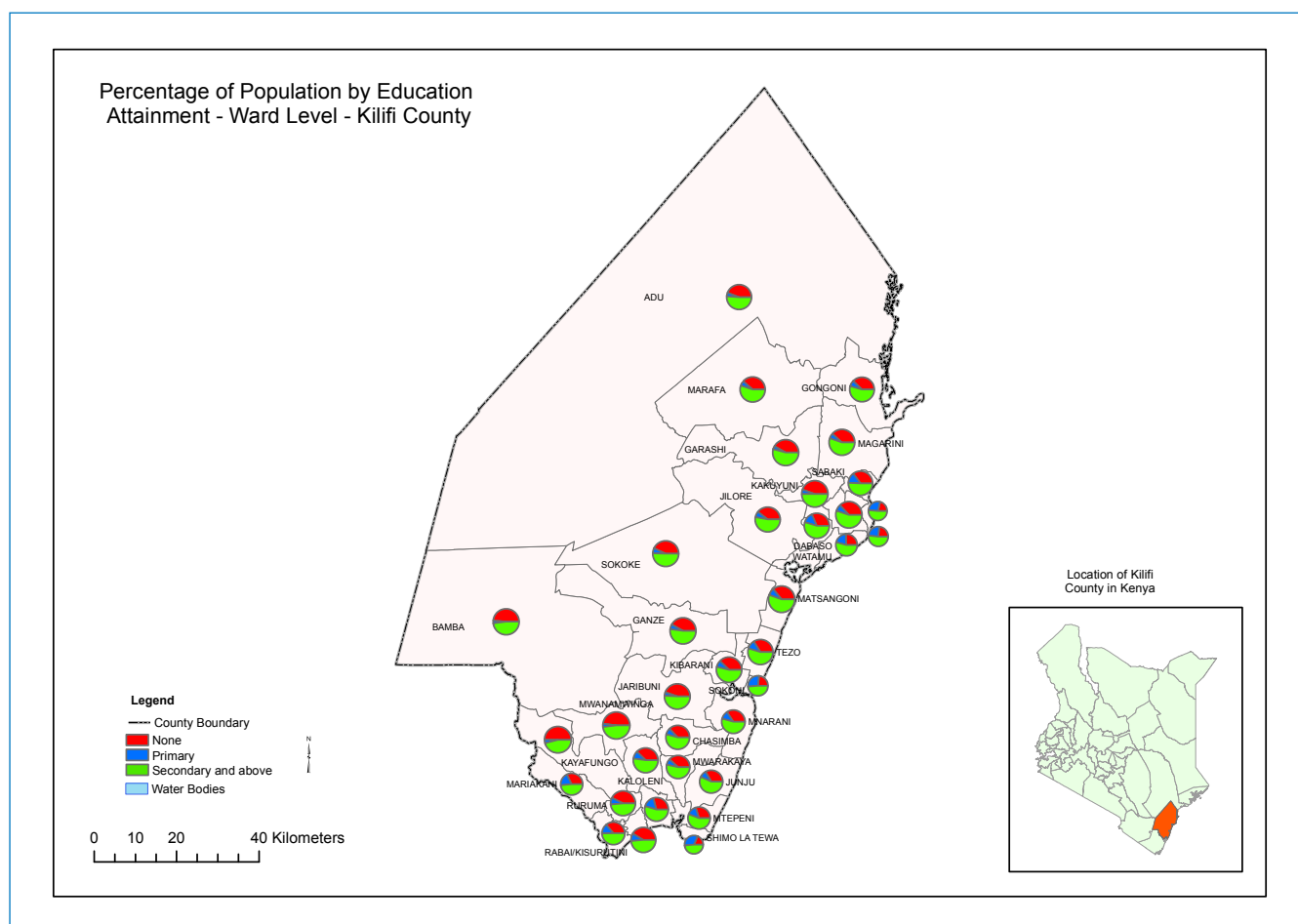
In this report, the Gini index measures the extent to which the distribution of consumption expenditure among individuals or households within an economy deviates from a perfectly equal distribution. A Gini index of '0' represents perfect equality, while an index of '1' implies perfect inequality. Kilifi County's Gini index is 0.565 compared with Turkana County, which has the least inequality nationally (0.283).

Figure 14.2: Kilifi County-Gini Coefficient by Ward



Education

Figure 14.3: Kilifi County-Percentage of Population by Education attainment by Ward



Only 13% of Kilifi County residents have a secondary level of education or above. Malindi constituency has the highest share of residents with a secondary level of education or above at 18%. This is almost four times Ganze constituency, which has the lowest share of residents with a secondary level of education or above. Malindi constituency is 5 percentage points above the county average. Shimo la Tewa ward has the highest share of residents with a secondary level of education or above at 33%. This is eight times Bamba ward, which has the lowest share of residents with a secondary level of education or above. Shimo la Tewa ward is 20 percentage points above the county average.

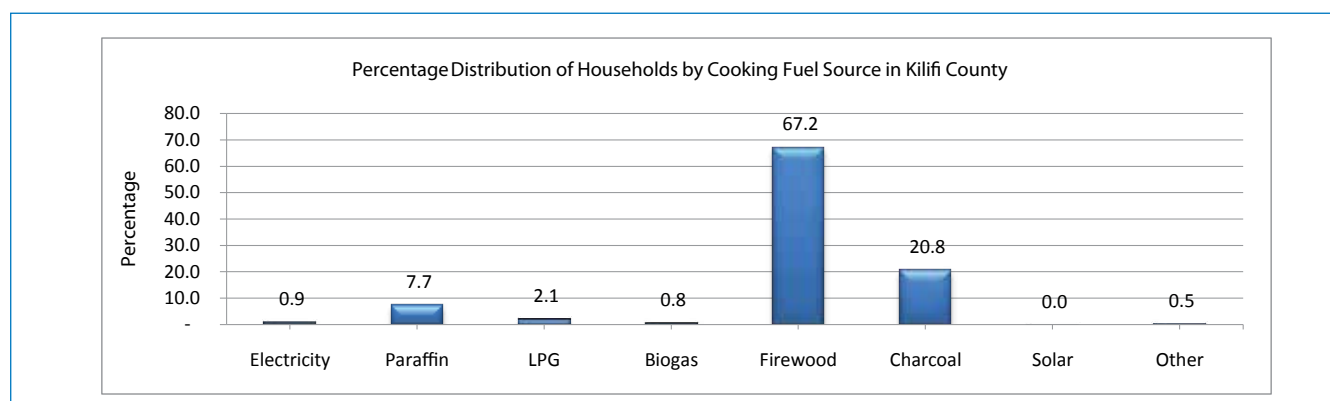
A total of 52% of Kilifi County residents have a primary level of education only. Kilifi North constituency has the highest share of residents with a primary level of education only at 54%. This is 5 percentage points above Kaloleni constituency, which has the lowest share of residents with a primary level of education only. Kilifi North constituency is 2 percentage points above the county average. Junju ward has the highest share of residents with a primary level of education only at 57%. This is 11 percentage points above Kayafungo ward, which has the lowest share of residents with a primary level of education only. Junju ward is 5 percentage points above the county average.

Some 36% of Kilifi County residents have no formal education. Ganze constituency has the highest share of residents with no formal education at 45%. This is almost twice Malindi constituency, which has the lowest share of residents with no formal education. Ganze constituency is 9 percentage points above the county average. Kayafungo ward has the highest percentage of residents with no formal education at 50%. This is almost three times Shimo la Tewa ward, which has the lowest percentage of residents with no formal education. Kayafungo ward is 14 percentage points above the county average.

Energy

Cooking Fuel

Figure 14.4: Percentage Distribution of Households by Source of Cooking Fuel in Kilifi County



Only 2% of residents in Kilifi County use liquefied petroleum gas (LPG), and 8% use paraffin. 67% use firewood and 21% use charcoal. Firewood is the most common cooking fuel by gender with 65% of male headed households and 73% in female headed households using it.

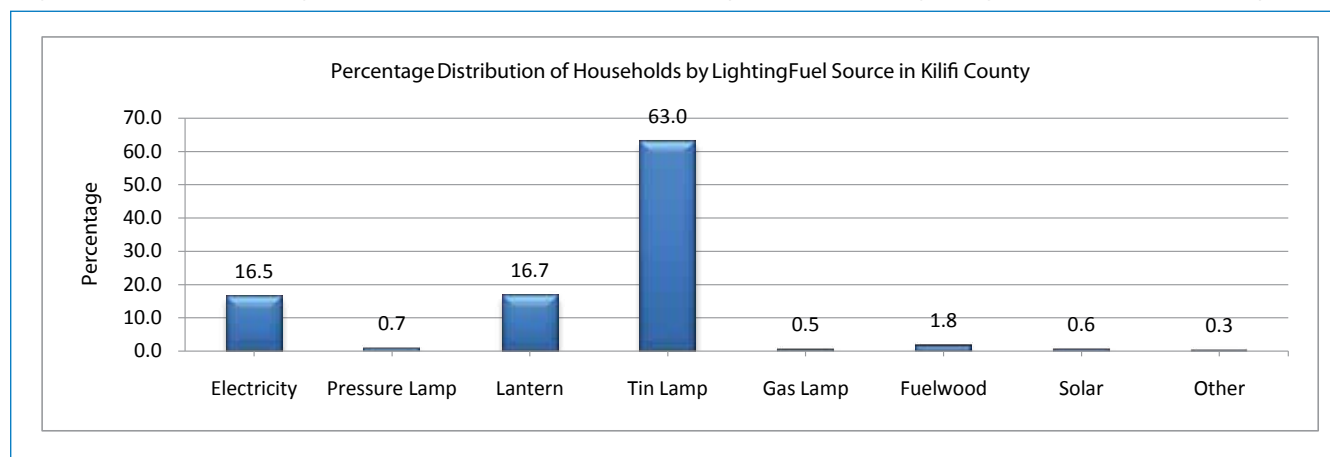
Ganze constituency has the highest level of firewood use in Kilifi County at 95%. This is twice Malindi constituency, which has the lowest share at 39%. Ganze constituency is about 28 percentage points above the county average. Jaribuni ward has the highest level of firewood use in Kilifi County at 97%. This is six times Malindi Town ward, which has the lowest share at 15%. Jaribuni ward is 30 percentage points above the county average.

Malindi constituency has the highest level of charcoal use in Kilifi County at 42%. This is slightly more than 10 times Ganze constituency, which has the lowest share at 4%. Malindi constituency is about 21 percentage points above the county average. Shella ward has the highest level of charcoal use in Kilifi County at 60%. This is 59 percentage points more than Chasimba ward, which has the lowest share at 1%. Shella ward is 39 percentage points above the county average.

Kilifi South constituency has the highest level of paraffin use in Kilifi County at 17%. This is 17 percentage points above Ganze constituency, which has the lowest share. Kilifi South constituency is 9 percentage points higher than the county average. Shimo la Tewa ward has the highest level of paraffin use in Kilifi County at 34%. This is 34 percentage points above Garashi ward, which has the lowest share. Shimo la Tewa ward is 26 percentage points above the county average.

Lighting

Figure 14.5: Percentage Distribution of Households by Source of Lighting Fuel in Kilifi County



Some 17% of residents in Kilifi County use electricity as their main source of lighting. A further 17% use lanterns, and 63% use tin lamps. 2% use fuel wood. Electricity use is mostly common in male headed households at 18% as compared with female headed households at 14%.

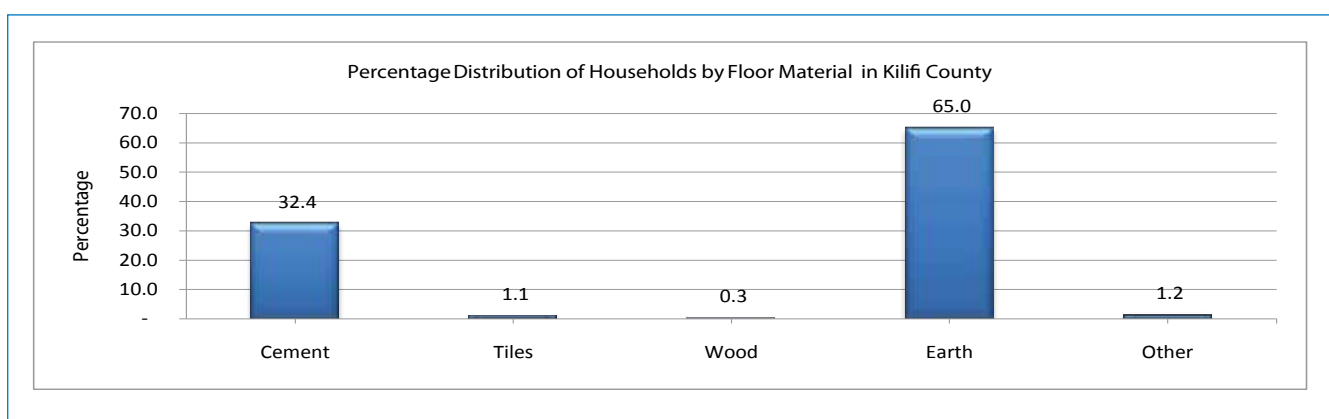
Malindi constituency has the highest level of electricity use at 29%. That is 27 percentage points above Ganze constituency, which has the lowest level of electricity use. Malindi constituency is 12 percentage points above the county average. Shimo la Tewa ward has the highest level of electricity use at 50%. That is 49 percentage points above Garashi ward, which has the lowest level of electricity use. Shimo la Tewa ward is 33 percentage points above the county average.

Housing

Flooring

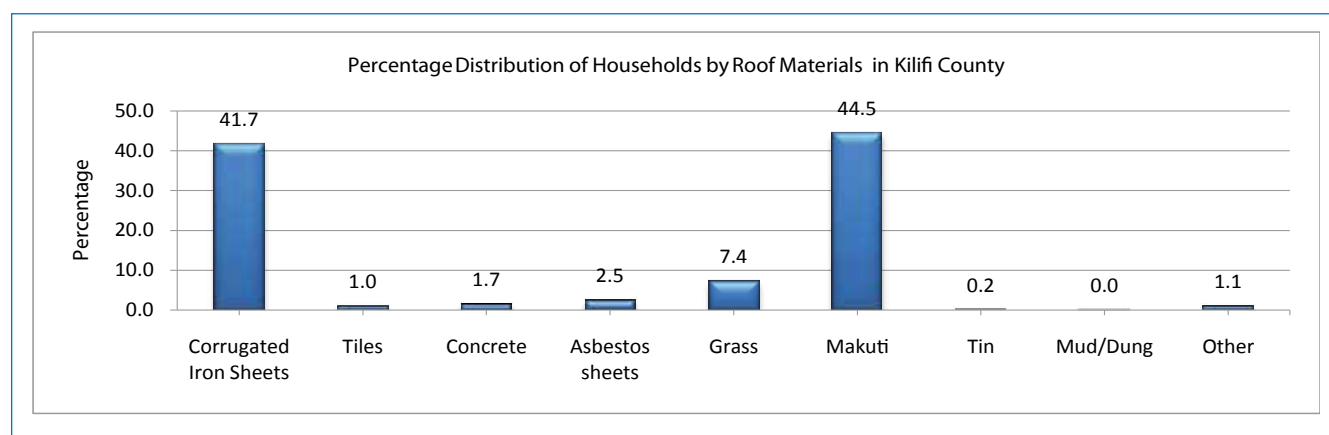
In Kilifi County, 32% of residents have homes with cement floors, while 65% have earth floors. Less than 1% has wood and just 1% has tile floors. Malindi constituency has the highest share of cement floors at 56%. That is eight times Ganze constituency, which has the lowest share of cement floors. Malindi constituency is 24 percentage points above the county average. Shella ward has the highest share of cement floors at 74%. That is almost 25 times Garashi ward, which has the lowest share of cement floors. Shella ward is 42 percentage points above the county average.

Figure 14.6: Percentage Distribution of Households by Floor Material in Kilifi County



Roofing

Figure 14.7: Percentage Distribution of Households by Roof Material in Kilifi County



In Kilifi County, 2% of residents have homes with concrete roofs, while 42% have corrugated iron sheet roofs. Grass and makuti roofs constitute 52% of homes, and none have mud/dung roofs.

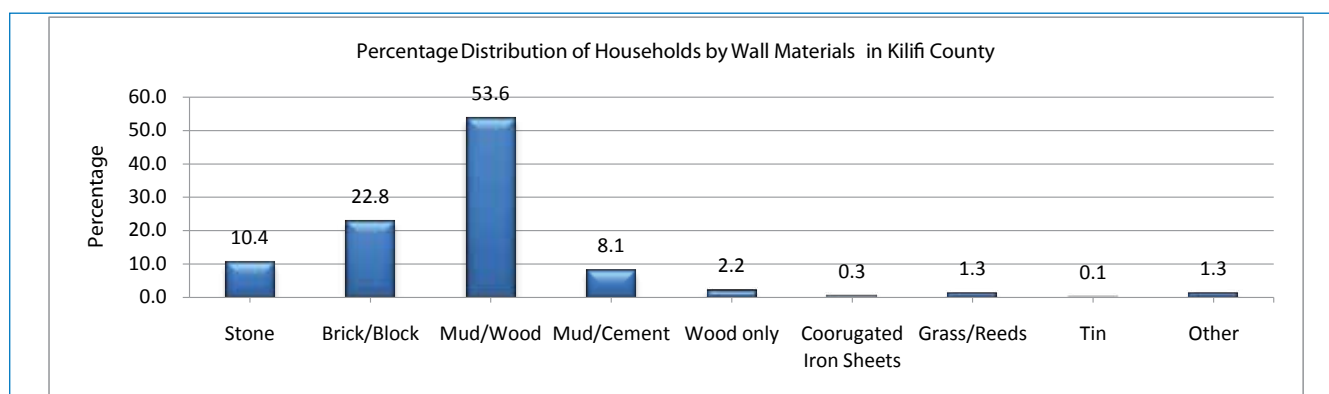
Malindi constituency has the highest share of corrugated iron sheet roofs at 54%. That is twice Ganze constituency, which has the lowest share of corrugated iron sheet roofs. Malindi constituency is 12 percentage points above

the county average. Mariakani ward has the highest share of corrugated iron sheet roofs at 85%. That is almost six times Matsangoni ward, which has the lowest share of corrugated iron sheet roofs. Mariakani ward is 43 percentage points above the county average.

Ganze constituency has the highest share of grass/makuti roofs at 74%. That is twice Malindi constituency, which has the lowest share of grass/makuti roofs. Ganze constituency is 22 percentage points above the county average. Matsangoni ward has the highest share of grass/makuti roofs at 83%. This is nine times Mariakani ward, which has the lowest share. Matsangoni ward is 31 percentage points above the county average.

Walls

Figure 14.8: Percentage Distribution of Households by Wall Material in Kilifi County



In Kilifi County, 33% of homes have either brick or stone walls. 62% of homes have mud/wood or mud/cement walls. 2% have wood walls. Less than 1% has corrugated iron walls. 1% has grass/thatched walls. 1% has tin or other walls.

Malindi constituency has the highest share of brick/stone walls at 53%. That is almost nine times Ganze constituency, which has the lowest share of brick/stone walls. Malindi constituency is 20 percentage points above the county average. Shimo la Tewa ward has the highest share of brick/stone walls at 76%. That is 38 times Garashi ward, which has the lowest share of brick/stone walls. Shimo la Tewa ward is 43 percentage points above the county average.

Ganze constituency has the highest share of mud with wood/cement walls at 91%. That is twice Malindi constituency, which has the lowest share of mud with wood/cement. Ganze constituency is 29 percentage points above the county average. Mwanamwinga ward has the highest share of mud with wood/cement walls at 96%. That is almost five times Shimo la Tewa ward, which has the lowest share of mud with wood/cement walls. Mwanamwinga ward is 34 percentage points above the county average.

Water

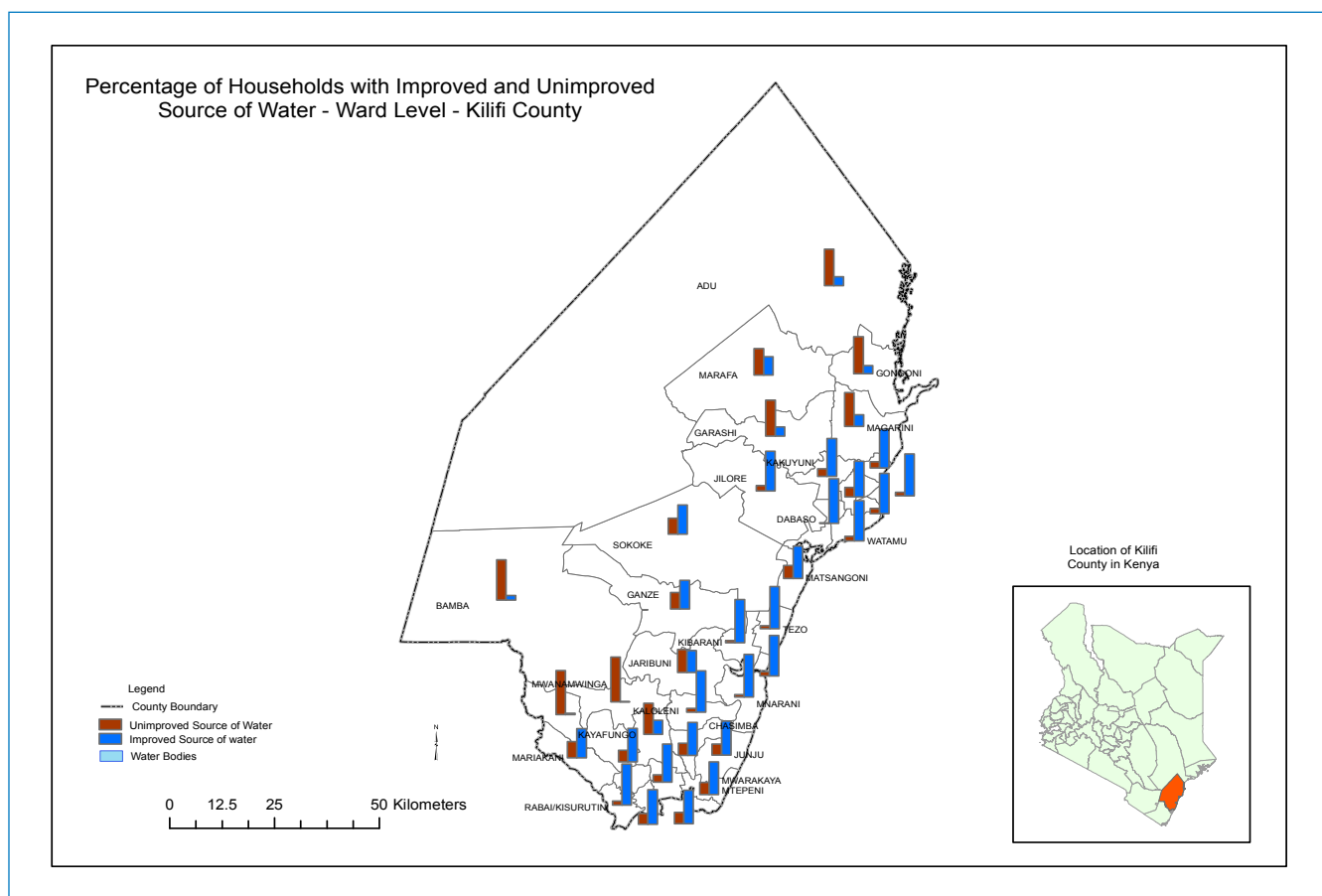
Improved sources of water comprise protected spring, protected well, borehole, piped into dwelling, piped and rain water collection while unimproved sources include pond, dam, lake, stream/river, unprotected spring, unprotected well, jabia, water vendor and others.

In Kilifi County, 64% of residents use improved sources of water, with the rest relying on unimproved sources. There is no gender differential in use of improved sources with both male and female headed households at 64% each.

Kilifi North constituency had the highest share of residents using improved sources of water at 90%. That is three times Magarini constituency has the lowest share using improved sources of water. Kilifi North constituency is 26

percentage points above the county average. Dabaso ward has the highest share of residents using improved sources of water at 90%. That is 99 percentage points above Mwanaminga ward, which has the lowest share using improved sources of water. Dabaso ward is 35 percentage points above the county average.

Figure 14.9: Kilifi County-Percentage of Households with Improved and Unimproved Sources of Water by Ward

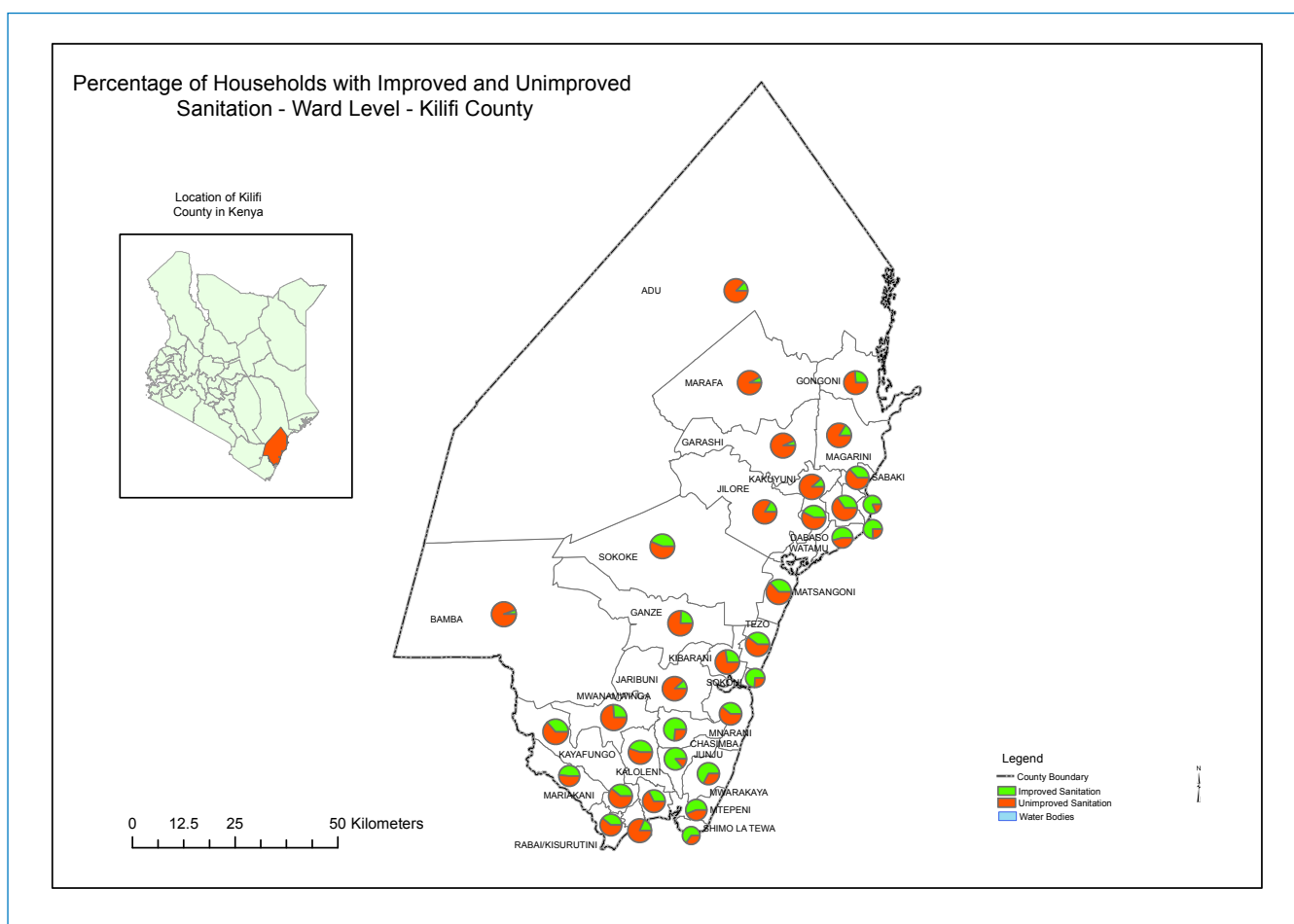


Sanitation

A total of 42% of residents in Kilifi County use improved sanitation, while the rest use unimproved sanitation. There is no significant gender differential in use of improved sanitation with 42% of male headed households and 41% in female headed households using it.

Kilifi South constituency has the highest share of residents using improved sanitation at 69%. That is four times Magarini constituency, which has the lowest share using improved sanitation. Kilifi South constituency is 27 percentage points above the county average. Mwarakaya ward has the highest share of residents using improved sanitation at 86%. That is 14 times Bamba ward, which has the lowest share using improved sanitation. Mwarakaya ward is 44 percentage points above the county average.

Figure 14.10: Kilifi County –Percentage of Households with Improved and Unimproved Sanitation by Ward



Kilifi County Annex Tables

14. KILIFI

Table 14.1: 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		
Kilifi County	1,098,603	528,815	569,788	227,435	515,140	249,816	359,450	544,445	39,018	0.928	1.018	0.946	0.072	32.4	31.6	36.0	190,729		
Kilifi North Constituency	203,628	99,929	103,699	40,699	92,438	45,926	70,725	104,675	6,515	0.964	0.945	0.883	0.062	35.3	30.3	34.4	35618		
Tezo	25,531	12,555	12,976	5,253	11,931	5,892	8,559	12,655	945	0.968	1.017	0.943	0.075	24.1	30.8	45.1	3775		
Sokoni	34,012	16,377	17,635	6,072	13,433	6,787	13,840	19,907	672	0.929	0.709	0.675	0.034	51.2	31.7	17.1	8528		
Kibaranani	23,894	11,627	12,267	5,270	11,809	5,733	7,413	11,255	830	0.948	1.123	1.049	0.074	20.1	32.8	47.1	3468		
Dabaso	28,806	14,282	14,524	5,816	13,215	6,416	9,731	14,577	1,014	0.983	0.976	0.907	0.070	26.3	27.7	45.9	3990		
Matsangoni	33,339	16,249	17,090	7,284	16,462	8,282	10,653	15,639	1,238	0.951	1.132	1.053	0.079	22.9	28.1	49.0	4684		
Watamu	24,945	12,663	12,282	4,460	10,124	4,990	9,811	14,188	633	1.031	0.758	0.714	0.045	47.4	26.9	25.8	5180		
Mnarani	33,101	16,176	16,925	6,544	15,464	7,826	10,718	16,454	1,183	0.956	1.012	0.940	0.072	33.8	32.6	33.6	5993		
Kilifi South Constituency	170,204	82,708	87,496	33,237	76,143	36,936	59,646	88,829	5,232	0.945	0.916	0.857	0.059	40.9	33.5	25.5	35808		
Junju	31,711	15,566	16,145	6,663	15,234	7,301	10,192	15,525	952	0.964	1.043	0.981	0.061	30.8	33.9	35.3	5668		
Mwarakaya	25,057	11,536	13,521	5,349	12,765	6,273	6,907	11,197	1,095	0.853	1.238	1.140	0.098	24.1	40.6	35.3	4494		
Shimo La Tewa	50,421	25,022	25,399	8,392	18,284	8,807	22,489	31,337	800	0.985	0.609	0.583	0.026	56.6	30.6	12.8	13699		

Chasimba	29,284	13,707	15,577	6,395	15,137	7,338	7,864	12,774	1,373	0.880	1,292	1,185	0.107	24.3	36.3	39.4	5042
Mtepeni	33,731	16,877	16,854	6,438	14,723	7,217	12,194	17,996	1,012	1.001	0.874	0.818	0.056	41.3	32.3	26.4	6905
Kaloleni Constituency	154,285	72,890	81,395	33,226	74,102	35,773	47,342	73,443	6,740	0.896	1,101	1,009	0.092	25.7	32.2	42.1	24455
Mariakani	42,288	20,760	21,528	8,329	18,295	9,012	15,107	22,535	1,458	0.964	0.877	0.812	0.065	41.1	31.1	27.8	8352
Kayafungo	34,707	15,873	18,834	8,156	18,138	8,376	9,489	14,967	1,602	0.843	1,319	1,212	0.107	14.6	32.2	53.1	4669
Kaloleni	55,821	26,452	29,369	11,709	26,327	13,066	17,115	26,806	2,688	0.901	1,082	0.982	0.100	21.4	33.5	45.1	8569
Mwanamwinga	21,469	9,805	11,664	5,032	11,342	5,319	5,631	9,135	992	0.841	1,350	1,242	0.109	11.7	31.9	56.3	2865
Rabai Constituency	96,658	46,121	50,537	18,948	43,238	21,427	31,650	49,467	3,953	0.913	0.954	0.874	0.080	27.3	33.0	39.8	15879
Mwawesa	14,838	6,901	7,937	2,983	7,063	3,657	4,488	7,223	552	0.869	1,054	0.978	0.076	19.3	37.3	43.3	2368
Ruruma	21,702	10,176	11,526	4,279	10,123	5,214	6,434	10,566	1,013	0.883	1,054	0.958	0.096	18.9	36.3	44.8	3376
Kambe/Ribe	17,115	8,354	8,761	3,141	7,257	3,826	5,493	8,862	996	0.954	0.931	0.819	0.112	24.6	36.8	38.7	2859
Rabai/Kisurutini	43,003	20,690	22,313	8,545	18,795	8,730	15,235	22,816	1,392	0.927	0.885	0.824	0.061	34.8	28.5	36.7	7276
Ganze Constituency	137,385	62,868	74,517	31,047	72,698	35,053	36,895	58,924	5,763	0.844	1,332	1,234	0.098	18.0	32.3	49.8	19838
Ganze	31,242	14,143	17,099	7,049	16,534	8,264	8,350	13,377	1,331	0.827	1,336	1,236	0.099	18.1	31.6	50.3	4462
Bamba	37,695	17,113	20,582	8,549	19,998	9,279	10,009	16,081	1,616	0.831	1,344	1,244	0.100	17.3	32.7	50.0	5410
Jarbuni	24,944	11,582	13,362	5,841	13,374	6,072	6,424	10,493	1,077	0.867	1,377	1,275	0.103	17.4	33.4	49.2	3762
Sokoke	43,504	20,030	23,474	9,608	22,792	11,438	12,112	18,973	1,739	0.853	1,293	1,201	0.092	18.8	31.6	49.6	6204
Malindi Constituency	160,970	79,135	81,835	30,639	68,257	33,570	60,057	88,136	4,577	0.967	0.826	0.774	0.052	44.1	29.6	26.2	33182
Jilore	17,434	8,193	9,241	3,767	9,067	4,562	4,797	7,646	721	0.887	1,280	1,186	0.094	23.4	33.1	43.5	2732
Kakuyuni	17,954	8,602	9,352	3,883	9,169	4,485	5,156	8,073	712	0.920	1,224	1,136	0.088	19.1	29.8	51.1	2538
Ganda	32,411	16,093	16,318	6,601	15,421	7,714	10,502	15,769	1,221	0.986	1,055	0.978	0.077	18.6	29.4	51.9	4472

Malindi Town	50,938	25,371	25,567	8,979	18,841	8,998	22,144	31,074	1,023	0.992	0.639	0.606	0.033	57.4	28.4	14.2	13691
Shella	42,233	20,876	21,357	7,409	15,759	7,811	17,458	25,574	900	0.977	0.651	0.616	0.035	49.5	30.4	20.1	9749
Magarini Constituency	175,473	85,164	90,309	39,639	88,264	41,131	53,135	80,971	6,238	0.943	1.167	1.090	0.077	22.5	31.1	46.5	25949
Marafa	16,736	8,115	8,621	3,602	8,567	4,181	4,802	7,528	641	0.941	1.223	1.138	0.085	21.5	32.3	46.3	2594
Magarini	40,396	19,470	20,926	9,188	20,374	9,497	12,321	18,651	1,371	0.930	1.166	1.092	0.074	15.2	30.7	54.1	5276
Gongoni	34,454	16,903	17,551	7,555	16,851	8,011	11,011	16,452	1,151	0.963	1.094	1.024	0.070	22.6	30.0	47.4	5004
Adu	42,810	20,756	22,054	10,234	22,120	9,809	12,548	19,205	1,485	0.941	1.229	1.152	0.077	25.3	32.2	42.5	6799
Garashi	25,745	12,206	13,539	5,969	13,444	6,289	7,061	11,200	1,101	0.902	1.299	1.200	0.098	17.8	30.7	51.6	3574
Sabaki	15,332	7,714	7,618	3,091	6,908	3,344	5,392	7,935	489	1.013	0.932	0.871	0.062	36.6	30.2	33.2	2702

Table 14.2: Employment by County, Constituency and Wards

County/Constituency/Wards	Work for pay	Family Business	Family Agricultural Holding	Intern/Volunteer	Retired/Homemaker	Fulltime Student	Incapacitated	No work	Number of Individuals
Kenya	23.7	13.1	32.0	1.1	9.2	12.8	0.5	7.7	20,249,800
Rural	15.6	11.2	43.5	1.0	8.8	13.0	0.5	6.3	12,984,788
Urban	38.1	16.4	11.4	1.3	9.9	12.2	0.3	10.2	7,265,012
Kilifi County	24.8	12.2	22.3	1.3	17.1	13.7	0.5	8.1	544,445
Kilifi North Constituency	27.7	13.2	19.9	1.4	14.4	14.3	0.5	8.6	104,675
Tezo	21.5	15.8	25.2	2.6	12.8	13.7	0.3	8.1	12,655
Sokoni	37.4	16.7	8.7	1.4	9.8	13.4	0.3	12.3	19,907
Kibarani	22.7	7.2	35.7	1.1	11.7	12.4	1.7	7.5	11,255
Dabaso	28.2	10.6	10.2	1.2	22.8	15.6	0.6	10.7	14,577

Matsangoni	19.5	15.1	30.5	0.8	7.8	20.5	0.4	5.4	15,639
Watamu	33.1	15.8	7.9	1.4	18.3	13.1	0.5	9.8	14,188
Mnarani	26.8	9.0	27.6	1.3	18.8	10.9	0.3	5.2	16,454
Kilifi South Constituency	28.9	13.0	24.7	1.2	11.4	11.3	0.5	9.1	88,829
Junju	26.7	10.4	28.9	1.2	11.2	12.7	0.6	8.4	15,525
Mwarakaya	9.7	6.5	59.2	0.6	4.0	12.9	0.7	6.5	11,197
Shimo La Tewa	40.5	16.8	4.4	1.4	14.9	9.2	0.3	12.6	31,337
Chasimba	8.8	17.3	45.1	1.0	9.1	13.6	0.6	4.5	12,774
Mtepeni	37.0	9.4	20.4	1.4	11.9	11.3	0.5	8.3	17,996
Kaloleni Constituency	19.1	10.3	22.9	1.0	22.7	15.2	0.6	8.2	73,443
Mariakani	30.0	12.9	7.2	1.6	23.3	14.8	0.5	9.8	22,535
Kayafungo	14.5	9.5	28.7	0.7	22.7	15.6	1.0	7.3	14,967
Kaloleni	15.2	10.1	31.3	0.9	20.5	13.3	0.6	8.1	26,806
Mwanamwanga	11.2	5.4	27.3	0.8	28.0	20.8	0.5	6.0	9,135
Rabai Constituency	23.3	10.6	18.5	1.1	20.8	16.1	0.5	9.1	49,467
Mwawesa	18.5	3.5	21.0	0.8	27.1	19.9	0.5	8.7	7,223
Ruruma	12.7	18.3	24.3	1.2	15.4	19.4	0.7	8.2	10,566
Kambei/Ribe	20.1	8.4	35.7	1.1	15.0	13.7	0.5	5.6	8,862
Rabai/Kisurutini	30.9	10.2	8.4	1.2	23.6	14.2	0.5	11.0	22,816
Ganze Constituency	19.6	11.3	28.0	2.0	14.1	16.4	0.5	8.1	58,924
Ganze	24.0	7.6	34.7	1.6	6.5	19.4	0.5	5.8	13,377
Bamba	14.0	17.5	23.8	1.1	20.5	12.0	0.6	10.4	16,081

Jaribuni	21.6	8.9	38.5	2.3	10.0	13.7	0.4	4.6	10,493
Soko	20.1	10.1	21.1	2.7	16.3	19.6	0.6	9.6	18,973
Malindi Constituency	30.9	16.3	12.4	1.2	18.7	12.0	0.5	8.0	88,136
Jilore	13.4	8.2	34.7	0.9	21.2	16.9	0.7	4.1	7,646
Kakuyuni	13.4	7.4	39.3	0.5	19.8	12.9	0.9	5.9	8,073
Ganda	22.1	16.2	21.9	1.3	19.2	11.7	0.7	6.9	15,769
Malindi Town	37.9	19.2	3.6	1.3	17.9	10.7	0.3	9.2	31,074
Shella	38.7	17.9	2.2	1.4	18.3	12.1	0.4	9.0	25,574
Magarini Constituency	19.8	8.8	31.3	1.2	19.6	12.7	0.6	6.0	80,971
Marafa	13.4	10.5	32.1	1.9	16.8	17.1	0.5	7.6	7,528
Magarini	21.4	8.3	27.0	1.3	21.3	14.3	0.9	5.4	18,651
Gongoni	28.4	9.5	20.5	1.6	17.5	11.9	0.5	10.2	16,452
Adu	14.4	8.0	43.9	0.7	20.1	7.9	0.5	4.5	19,205
Garashi	7.7	5.9	44.8	1.4	18.1	19.9	0.4	1.9	11,200
Sabaki	34.0	13.0	13.4	0.8	23.8	7.8	0.4	6.7	7,935

Table 14.3: Employment and Education Levels by County, Constituency and Wards

County /constituency/Wards	Education Totallevel	Work for pay	Family Business	Family Agricultural Holding	Intern Volunteer	Retired/Homemaker	Fulltime Student	Incapacitated	No work	Number of Individuals
Kenya	Total	23.7	13.1	32.0	1.1	9.2	12.8	0.5	7.7	20,249,800
Kenya	None	11.1	14.0	44.4	1.7	14.7	0.8	1.2	12.1	3,154,356
Kenya	Primary	20.7	12.6	37.3	0.8	9.6	12.1	0.4	6.5	9,528,270
Kenya	Secondary+	32.7	13.3	20.2	1.2	6.6	18.6	0.2	7.3	7,567,174
Rural	Total	15.6	11.2	43.5	1.0	8.8	13.0	0.5	6.3	12,984,788

Rural	None	8.5	13.6	50.0	1.4	13.9	0.7	1.2	10.7	2,614,951
Rural	Primary	15.5	10.8	45.9	0.8	8.4	13.2	0.5	5.0	6,785,745
Rural	Secondary+	21.0	10.1	34.3	1.0	5.9	21.9	0.3	5.5	3,584,092
Urban	Total	38.1	16.4	11.4	1.3	9.9	12.2	0.3	10.2	7,265,012
Urban	None	23.5	15.8	17.1	3.1	18.7	1.5	1.6	18.8	539,405
Urban	Primary	33.6	16.9	16.0	1.0	12.3	9.5	0.4	10.2	2,742,525
Urban	Secondary+	43.2	16.1	7.5	1.3	7.1	15.6	0.2	9.0	3,983,082
Kilifi	Total	24.8	12.2	22.3	1.3	17.1	13.7	0.5	8.1	544,445
Kilifi	None	15.8	11.8	35.5	1.7	26.0	0.4	1.2	7.7	144,005
Kilifi	Primary	23.2	12.0	21.0	1.1	15.7	18.5	0.4	8.2	281,751
Kilifi	Secondary+	39.4	13.0	9.4	1.3	9.5	18.6	0.2	8.6	118,689
Kilifi North Constituency	Total	27.7	13.2	19.9	1.4	14.4	14.3	0.5	8.6	104,675
Kilifi North Constituency	None	17.9	12.8	34.8	2.0	23.1	0.4	1.1	7.9	22,140
Kilifi North Constituency	Primary	26.0	13.4	19.2	1.1	14.1	17.3	0.4	8.5	56,168
Kilifi North Constituency	Secondary+	39.6	13.0	9.1	1.4	7.9	19.6	0.3	9.2	26,367
Tezo Wards	Total	21.5	15.8	25.2	2.6	12.8	13.7	0.3	8.1	12,655
Tezo Wards	None	15.9	15.3	36.1	3.5	19.5	0.1	0.7	8.8	3,071
Tezo Wards	Primary	22.0	16.4	22.9	2.1	11.8	16.8	0.2	7.8	7,058
Tezo Wards	Secondary+	26.6	14.9	18.6	2.6	7.3	21.8	0.1	8.2	2,526
Sokoni Wards	Total	37.4	16.7	8.7	1.4	9.8	13.4	0.3	12.3	19,907
Sokoni Wards	None	26.7	18.2	17.2	2.7	17.2	0.8	1.0	16.2	2,728
Sokoni Wards	Primary	33.5	18.1	9.7	1.1	11.4	12.8	0.2	13.2	8,786
Sokoni Wards	Secondary+	45.0	14.8	4.9	1.3	5.6	18.2	0.1	10.2	8,393

Kibarani Wards	Total	22.7	7.2	35.7	1.1	11.7	12.4	1.7	7.5	11,255
Kibarani Wards	None	15.2	6.4	49.3	1.1	19.3	0.1	1.8	6.9	3,278
Kibarani Wards	Primary	22.9	7.4	32.6	1.0	9.2	17.3	1.7	8.0	6,225
Kibarani Wards	Secondary+	36.3	8.2	21.1	1.7	6.5	18.2	1.5	6.7	1,752
Debaso Wards	Total	28.2	10.6	10.2	1.2	22.8	15.6	0.6	10.7	14,577
Debaso Wards	None	16.2	11.7	21.3	2.4	36.5	0.5	1.6	9.8	2,825
Debaso Wards	Primary	27.1	10.6	8.9	0.7	21.8	19.3	0.4	11.1	8,361
Debaso Wards	Secondary+	41.0	9.7	4.2	1.3	14.1	19.3	0.3	10.2	3,391
Matsangoni Wards	Total	19.5	15.1	30.5	0.8	7.8	20.5	0.4	5.4	15,639
Matsangoni Wards	None	14.1	15.5	49.7	1.2	13.6	0.4	1.1	4.5	3,941
Matsangoni Wards	Primary	20.3	15.3	26.3	0.7	6.5	25.5	0.2	5.2	9,091
Matsangoni Wards	Secondary+	24.7	13.7	16.1	0.7	3.6	33.3	0.4	7.7	2,607
Watamu Wards	Total	33.1	15.8	7.9	1.4	18.3	13.1	0.5	9.8	14,188
Watamu Wards	None	19.7	16.8	16.0	1.8	33.8	1.1	1.6	9.4	2,172
Watamu Wards	Primary	30.4	16.2	8.0	1.5	18.9	15.0	0.5	9.7	7,709
Watamu Wards	Secondary+	44.8	14.7	3.7	1.2	9.4	15.7	0.2	10.2	4,307
Mnarani Wards	Total	26.8	9.0	27.6	1.3	18.8	10.9	0.3	5.2	16,454
Mnarani Wards	None	19.4	8.5	38.6	1.7	27.0	0.4	0.5	3.9	4,125
Mnarani Wards	Primary	24.9	8.8	28.3	1.0	18.4	13.6	0.3	4.8	8,938
Mnarani Wards	Secondary+	40.8	10.4	12.6	1.5	9.9	16.6	0.3	8.0	3,391
Kilifi South Constituency	Total	28.9	13.0	24.7	1.2	11.4	11.3	0.5	9.1	88,829

Kilifi South Constituency	None	16.5	13.4	44.2	1.8	15.0	0.3	1.2	7.7	18,108
Kilifi South Constituency	Primary	26.4	12.4	25.0	0.9	11.6	14.1	0.3	9.2	45,168
Kilifi South Constituency	Secondary+	42.1	13.6	10.2	1.4	8.6	14.3	0.2	9.7	25,553
Junju Wards	Total	26.7	10.4	28.9	1.2	11.2	12.7	0.6	8.4	15,525
Junju Wards	None	18.3	10.5	44.6	1.8	15.8	0.4	1.4	7.3	3,712
Junju Wards	Primary	25.3	10.7	27.2	0.9	10.6	16.0	0.3	9.0	9,116
Junju Wards	Secondary+	42.9	9.0	13.0	1.5	7.0	18.5	0.3	7.8	2,697
Mwarakaya Wards	Total	9.7	6.5	59.2	0.6	4.0	12.9	0.7	6.5	11,197
Mwarakaya Wards	None	6.0	6.4	76.5	0.8	4.7	0.2	1.5	3.9	3,321
Mwarakaya Wards	Primary	8.6	6.5	55.5	0.6	3.7	17.4	0.4	7.3	6,090
Mwarakaya Wards	Secondary+	20.1	6.4	39.4	0.6	3.6	21.3	0.2	8.4	1,786
Shimo La Tewa Wards	Total	40.5	16.8	4.4	1.4	14.9	9.2	0.3	12.6	31,337
Shimo La Tewa Wards	None	26.8	20.4	8.9	2.4	22.9	0.5	1.0	17.2	3,477
Shimo La Tewa Wards	Primary	36.6	16.6	4.8	1.1	17.7	9.8	0.2	13.2	13,176
Shimo La Tewa Wards	Secondary+	47.2	16.2	2.9	1.6	10.4	10.8	0.1	10.9	14,684
Chasimba Wards	Total	8.8	17.3	45.1	1.0	9.1	13.6	0.6	4.5	12,774
Chasimba Wards	None	5.0	20.1	58.6	1.5	10.8	0.2	1.1	2.8	3,886
Chasimba Wards	Primary	7.9	16.8	42.3	0.8	8.4	18.8	0.3	4.8	6,668
Chasimba Wards	Secondary+	17.9	14.3	29.7	0.9	8.2	21.7	0.5	6.7	2,220
Mtepeni Wards	Total	37.0	9.4	20.4	1.4	11.9	11.3	0.5	8.3	17,996
Mtepeni Wards	None	26.4	9.1	33.1	2.4	20.5	0.3	0.9	7.5	3,712

Mtepeni Wards	Primary	37.2	9.2	19.6	1.0	11.3	13.0	0.4	8.3	10,118
Mtepeni Wards	Secondary+	45.8	10.2	11.1	1.4	5.7	16.9	0.3	8.7	4,166
Kaloleni Constituency	Total	19.1	10.3	22.9	1.0	22.7	15.2	0.6	8.2	73,443
Kaloleni Constituency	None	11.7	9.1	32.8	1.0	36.3	0.4	1.3	7.5	23,192
Kaloleni Constituency	Primary	17.6	10.2	21.3	0.9	18.2	22.8	0.4	8.6	36,298
Kaloleni Constituency	Secondary+	35.2	12.3	10.6	1.4	11.9	19.9	0.2	8.4	13,953
Mariakani Wards	Total	30.0	12.9	7.2	1.6	23.3	14.8	0.5	9.8	22,535
Mariakani Wards	None	17.0	11.4	13.1	1.7	45.0	0.7	1.2	9.9	5,289
Mariakani Wards	Primary	27.7	12.7	6.5	1.4	20.2	20.7	0.3	10.4	10,237
Mariakani Wards	Secondary+	43.0	14.3	3.7	1.8	11.3	16.9	0.2	8.8	7,009
Kayafungo Wards	Total	14.5	9.5	28.7	0.7	22.7	15.6	1.0	7.3	14,967
Kayafungo Wards	None	13.2	10.5	34.1	0.6	32.3	0.3	1.7	7.3	6,515
Kayafungo Wards	Primary	13.6	8.9	25.8	0.7	16.3	27.3	0.5	7.0	7,093
Kayafungo Wards	Secondary+	25.5	7.8	18.5	0.7	9.9	28.3	0.3	9.1	1,359
Kaloleni Wards	Total	15.2	10.1	31.3	0.9	20.5	13.3	0.6	8.1	26,806
Kaloleni Wards	None	8.7	8.0	45.2	1.0	28.6	0.3	1.2	7.1	7,362
Kaloleni Wards	Primary	14.0	10.6	29.0	0.8	18.6	18.0	0.4	8.6	14,566
Kaloleni Wards	Secondary+	28.5	11.8	17.2	1.1	13.9	19.1	0.2	8.1	4,878
Mwanamwanga Wards	Total	11.2	5.4	27.3	0.8	28.0	20.8	0.5	6.0	9,135
Mwanamwanga Wards	None	7.4	5.8	34.1	0.7	45.1	0.3	0.9	5.7	4,026
Mwanamwanga Wards	Primary	12.7	5.0	22.6	0.9	15.6	36.6	0.2	6.5	4,402

Mwanamwanga Wards	Secondary+	23.3	5.5	17.7	0.9	7.6	40.0	0.4	4.5	707
Rabai Constituency	Total	23.3	10.6	18.5	1.1	20.8	16.1	0.5	9.1	49,467
Rabai Constituency	None	13.1	11.9	27.3	1.5	35.0	0.6	1.1	9.6	13,501
Rabai Constituency	Primary	22.8	10.5	17.2	1.0	18.1	21.5	0.3	8.7	25,329
Rabai Constituency	Secondary+	37.3	9.4	10.5	0.9	9.4	22.8	0.3	9.4	10,637
Mwawesa Wards	Total	18.5	3.5	21.0	0.8	27.1	19.9	0.5	8.7	7,223
Mwawesa Wards	None	14.9	3.3	28.9	1.0	42.3	0.4	0.7	8.5	2,458
Mwawesa Wards	Primary	17.5	3.6	19.2	0.6	22.4	28.1	0.3	8.4	3,469
Mwawesa Wards	Secondary+	28.3	3.2	11.0	1.0	11.0	34.9	0.5	10.1	1,296
Ruruma Wards	Total	12.7	18.3	24.3	1.2	15.4	19.4	0.7	8.2	10,566
Ruruma Wards	None	8.0	20.9	35.2	1.3	24.2	0.5	1.3	8.7	3,433
Ruruma Wards	Primary	12.6	17.9	20.7	1.1	12.6	27.3	0.4	7.3	5,498
Ruruma Wards	Secondary+	22.8	14.1	13.3	1.2	5.9	32.4	0.2	10.2	1,635
Kambe/Ribe Wards	Total	20.1	8.4	35.7	1.1	15.0	13.7	0.5	5.6	8,862
Kambe/Ribe Wards	None	11.1	9.3	53.3	2.3	16.8	0.9	1.2	5.2	1,514
Kambe/Ribe Wards	Primary	17.2	8.5	35.8	0.9	16.4	15.2	0.4	5.7	4,965
Kambe/Ribe Wards	Secondary+	31.6	7.9	24.3	0.9	10.8	18.5	0.2	5.9	2,383
Rabai/Kisurutini Wards	Total	30.9	10.2	8.4	1.2	23.6	14.2	0.5	11.0	22,816
Rabai/Kisurutini Wards	None	15.8	11.0	15.7	1.6	42.6	0.6	1.1	11.7	6,096
Rabai/Kisurutini Wards	Primary	31.8	9.9	6.8	1.1	20.1	19.3	0.3	10.8	11,397
Rabai/Kisurutini Wards	Secondary+	46.5	10.1	3.4	0.8	9.5	18.9	0.3	10.6	5,323

Ganze Constituency	Total	19.6	11.3	28.0	2.0	14.1	16.4	0.5	8.1	58,924
Ganze Constituency	None	20.8	13.2	34.4	2.4	19.5	0.2	0.9	8.6	24,519
Ganze Constituency	Primary	16.1	10.4	24.7	1.7	10.9	28.0	0.3	7.9	28,240
Ganze Constituency	Secondary+	30.7	8.4	17.4	1.6	7.4	27.9	0.2	6.5	6,165
Ganze Wards	Total	24.0	7.6	34.7	1.6	6.5	19.4	0.5	5.8	13,377
Ganze Wards	None	31.3	7.1	43.2	2.0	9.5	0.2	0.9	5.9	4,898
Ganze Wards	Primary	16.7	8.1	31.9	1.3	5.1	30.8	0.4	5.7	6,830
Ganze Wards	Secondary+	32.2	6.8	20.8	1.3	3.0	29.4	0.1	6.3	1,649
Bamba Wards	Total	14.0	17.5	23.8	1.1	20.5	12.0	0.6	10.4	16,081
Bamba Wards	None	12.6	19.6	29.4	1.1	26.0	0.3	1.0	10.0	8,019
Bamba Wards	Primary	12.5	16.0	19.2	1.2	15.4	24.3	0.3	11.1	6,943
Bamba Wards	Secondary+	33.6	12.2	11.4	1.4	12.6	19.7	0.2	9.0	1,119
Jaribuni Wards	Total	21.6	8.9	38.5	2.3	10.0	13.7	0.4	4.6	10,493
Jaribuni Wards	None	22.3	8.6	46.5	2.8	14.3	0.2	0.6	4.7	4,262
Jaribuni Wards	Primary	19.4	9.2	34.3	2.1	7.6	22.7	0.2	4.7	5,261
Jaribuni Wards	Secondary+	29.9	8.9	26.4	1.7	4.3	24.9	0.2	3.8	970
Sokoje Wards	Total	20.1	10.1	21.1	2.7	16.3	19.6	0.6	9.6	18,973
Sokoje Wards	None	21.9	12.9	27.1	3.7	22.0	0.2	1.0	11.3	7,340
Sokoje Wards	Primary	16.5	8.6	18.1	2.1	13.6	31.9	0.3	9.0	9,206
Sokoje Wards	Secondary+	28.8	7.6	14.2	1.7	9.2	31.8	0.1	6.6	2,427
Malindi Constituency	Total	30.9	16.3	12.4	1.2	18.7	12.0	0.5	8.0	88,136

Malindi Constituency	None	17.2	15.2	26.7	1.4	30.4	0.5	1.4	7.2	17,007
Malindi Constituency	Primary	28.9	16.6	11.8	1.0	19.2	13.8	0.4	8.4	45,149
Malindi Constituency	Secondary+	43.6	16.4	4.2	1.3	10.2	16.4	0.2	7.7	25,980
Jilore Wards	Total	13.4	8.2	34.7	0.9	21.2	16.9	0.7	4.1	7,646
Jilore Wards	None	9.5	8.8	52.3	0.6	23.6	0.2	1.1	4.0	2,499
Jilore Wards	Primary	12.6	8.6	28.3	0.9	20.9	24.2	0.5	4.1	4,038
Jilore Wards	Secondary+	25.0	5.2	18.3	1.4	17.2	28.5	0.4	4.1	1,109
Kakuyuni Wards	Total	13.4	7.4	39.3	0.5	19.8	12.9	0.9	5.9	8,073
Kakuyuni Wards	None	6.7	7.6	51.9	0.6	26.7	0.4	1.5	4.8	2,943
Kakuyuni Wards	Primary	15.4	7.1	34.2	0.5	16.9	19.1	0.5	6.4	4,284
Kakuyuni Wards	Secondary+	26.6	7.9	21.2	0.4	11.0	25.2	1.0	6.9	846
Ganda Wards	Total	22.1	16.2	21.9	1.3	19.2	11.7	0.7	6.9	15,769
Ganda Wards	None	13.6	18.8	31.8	1.6	26.8	0.4	1.5	5.5	3,994
Ganda Wards	Primary	23.0	15.9	19.5	1.0	18.2	14.5	0.5	7.3	9,442
Ganda Wards	Secondary+	33.0	13.3	14.2	1.7	10.2	19.5	0.3	7.7	2,333
Malindi Town Wards	Total	37.9	19.2	3.6	1.3	17.9	10.7	0.3	9.2	31,074
Malindi Town Wards	None	25.2	17.3	8.0	2.0	35.1	0.6	1.5	10.3	3,785
Malindi Town Wards	Primary	34.8	19.8	3.8	1.1	19.6	10.9	0.2	9.9	14,965
Malindi Town Wards	Secondary+	45.6	19.0	2.1	1.2	10.6	13.4	0.1	8.0	12,324
Shella Wards	Total	38.7	17.9	2.2	1.4	18.3	12.1	0.4	9.0	25,574
Shella Wards	None	26.2	19.4	3.7	1.9	37.0	0.8	1.2	9.9	3,786

Sheila Wards	Primary	36.1	19.2	2.4	1.2	19.8	11.4	0.3	9.7	12,420
Sheila Wards	Secondary+	47.2	15.8	1.4	1.4	8.8	17.4	0.2	7.9	9,368
Magarini Constituency	Total	19.8	8.8	31.3	1.2	19.6	12.7	0.6	6.0	80,971
Magarini Constituency	None	13.2	8.5	43.8	1.7	25.6	0.4	1.2	5.9	25,538
Magarini Constituency	Primary	20.1	8.7	28.0	1.0	18.0	17.9	0.3	6.0	45,399
Magarini Constituency	Secondary+	35.0	10.1	14.5	1.4	11.8	20.2	0.3	6.7	10,034
Marafa Wards	Total	13.4	10.5	32.1	1.9	16.8	17.1	0.5	7.6	7,528
Marafa Wards	None	9.1	11.8	45.1	2.8	19.7	0.3	1.1	10.2	2,411
Marafa Wards	Primary	12.5	10.2	28.5	1.4	15.9	24.5	0.3	6.8	4,200
Marafa Wards	Secondary+	29.1	8.0	14.9	2.1	13.3	27.5	0.4	4.7	917
Magarini Wards	Total	21.4	8.3	27.0	1.3	21.3	14.3	0.9	5.4	18,651
Magarini Wards	None	11.8	8.5	38.2	2.0	31.8	0.4	2.0	5.3	5,517
Magarini Wards	Primary	23.5	8.5	23.6	1.0	18.8	19.1	0.4	5.2	10,886
Magarini Wards	Secondary+	35.0	7.5	16.2	0.9	7.9	25.2	0.5	6.9	2,248
Gongoni Wards	Total	28.4	9.5	20.5	1.6	17.5	11.9	0.5	10.2	16,452
Gongoni Wards	None	23.3	9.4	29.8	2.2	24.9	0.4	1.0	8.9	4,961
Gongoni Wards	Primary	28.5	9.2	18.2	1.4	15.6	15.9	0.3	11.0	9,139
Gongoni Wards	Secondary+	39.0	10.4	9.7	1.4	9.2	20.4	0.2	9.7	2,352
Adu Wards	Total	14.4	8.0	43.9	0.7	20.1	7.9	0.5	4.5	19,205
Adu Wards	None	10.8	7.0	53.7	0.9	21.5	0.2	0.9	5.1	7,003
Adu Wards	Primary	14.3	8.0	40.8	0.6	19.9	12.2	0.2	4.1	10,487

Adu Wards	Secondary+	30.2	12.6	23.2	0.8	15.6	12.8	0.2	4.7	1,715
Garashi Wards	Total	7.7	5.9	44.8	1.4	18.1	19.9	0.4	1.9	11,200
Garashi Wards	None	4.4	6.1	61.0	1.6	24.1	0.7	0.7	1.5	3,680
Garashi Wards	Primary	7.5	6.1	36.8	1.1	15.6	29.0	0.2	1.8	6,557
Garashi Wards	Secondary+	21.8	4.7	23.4	2.5	12.1	31.4	0.2	4.1	963
Sebaki Wards	Total	34.0	13.0	13.4	0.8	23.8	7.8	0.4	6.7	7,935
Sebaki Wards	None	21.4	11.8	25.2	0.9	34.3	0.3	1.0	5.0	1,966
Sebaki Wards	Primary	35.4	12.9	11.3	0.4	22.5	9.8	0.2	7.4	4,130
Sebaki Wards	Secondary+	44.3	14.7	5.6	1.6	15.7	11.2	0.1	6.9	1,839

Table 14.4: 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
Kilifi	Total	26.9	12.4	21.6	1.3	16.8	12.6	0.5	7.9	388,392
Kilifi	None	16.3	11.5	35.1	1.6	26.3	0.4	1.1	7.8	95,502
Kilifi	Primary	25.2	12.5	20.7	1.1	15.6	16.7	0.3	8.0	204,565
Kilifi	Secondary+	42.2	13.5	9.2	1.3	9.1	16.4	0.2	8.1	88,325
Kilifi North Constituency	Total	30.3	13.3	19.0	1.3	14.2	13.3	0.5	8.0	74,360
Kilifi North Constituency	None	19.0	12.1	34.3	1.8	23.8	0.4	1.1	7.5	14,353
Kilifi North Constituency	Primary	28.5	13.6	18.6	1.1	14.1	15.8	0.4	8.0	40,545
Kilifi North Constituency	Secondary+	42.4	13.6	8.7	1.5	7.5	17.5	0.2	8.6	19,462
Tezo Ward	Total	23.7	16.5	24.6	2.4	12.4	12.6	0.3	7.6	9,043
Tezo Ward	None	17.6	14.8	36.6	3.3	19.1	0.0	0.6	8.0	2,068
Tezo Ward	Primary	24.2	17.3	22.2	1.9	11.8	15.0	0.3	7.3	5,121
Tezo Ward	Secondary+	28.9	16.2	17.9	2.8	6.5	19.7	0.1	8.0	1,854
Sokoni Ward	Total	40.0	16.4	8.6	1.4	9.5	12.6	0.2	11.2	14,122
Sokoni Ward	None	29.2	15.4	18.4	2.3	17.2	1.0	0.9	15.6	1,665
Sokoni Ward	Primary	35.5	17.8	9.9	1.1	11.5	11.9	0.2	12.0	6,319
Sokoni Ward	Secondary+	47.5	15.3	4.7	1.4	5.4	16.5	0.1	9.2	6,138
Kibarani Ward	Total	25.3	7.6	33.7	1.1	11.7	11.7	1.5	7.4	7,613

Kibarani Ward	None	15.5	6.5	47.2	0.9	20.8	0.1	1.9	7.1	2,070
Kibarani Ward	Primary	25.7	7.8	31.5	1.0	8.9	16.0	1.3	7.8	4,273
Kibarani Ward	Secondary+	39.8	8.7	19.1	2.0	6.0	16.4	1.6	6.3	1,270
Dabaso Ward	Total	30.7	10.7	9.7	1.1	22.3	14.8	0.6	10.0	10,552
Dabaso Ward	None	17.4	10.5	20.7	2.3	37.1	0.5	1.6	9.9	1,855
Dabaso Ward	Primary	29.4	10.8	8.7	0.7	21.6	17.7	0.4	10.6	6,166
Dabaso Ward	Secondary+	43.5	10.5	4.3	1.3	13.2	18.1	0.2	8.7	2,531
Matsangoni Ward	Total	21.6	15.4	29.8	0.8	7.7	18.9	0.4	5.2	10,606
Matsangoni Ward	None	15.1	15.0	49.2	1.1	14.1	0.3	1.0	4.2	2,506
Matsangoni Ward	Primary	22.6	16.0	26.1	0.7	6.4	23.0	0.2	5.0	6,307
Matsangoni Ward	Secondary+	27.3	13.9	15.8	0.8	3.6	30.7	0.4	7.4	1,793
Watamu Ward	Total	35.7	15.5	7.6	1.4	18.2	12.2	0.4	9.0	10,647
Watamu Ward	None	21.6	15.7	15.3	1.6	36.0	0.9	1.4	7.5	1,475
Watamu Ward	Primary	32.9	15.5	7.7	1.4	19.2	14.2	0.4	8.7	5,865
Watamu Ward	Secondary+	47.1	15.4	3.9	1.3	8.5	13.6	0.1	10.1	3,307
Mnarani Ward	Total	29.6	9.2	26.7	1.2	18.0	10.2	0.3	4.9	11,777
Mnarani Ward	None	19.6	8.7	38.7	1.7	26.8	0.3	0.4	3.9	2,714
Mnarani Ward	Primary	28.0	8.9	27.4	0.9	17.7	12.7	0.2	4.3	6,494
Mnarani Ward	Secondary+	44.5	10.2	12.3	1.4	9.8	14.4	0.2	7.3	2,569
Kilifi South Constituency	Total	31.4	13.3	23.0	1.2	11.4	10.4	0.4	8.9	63,235
Kilifi South Constituency	None	17.6	13.0	42.2	1.8	15.7	0.3	1.0	8.3	11,349
Kilifi South Constituency	Primary	28.6	13.0	23.9	1.0	11.6	12.5	0.3	9.1	32,951
Kilifi South Constituency	Secondary+	44.6	13.9	9.9	1.2	8.4	12.7	0.2	9.1	18,935
Junju Ward	Total	28.7	10.5	28.0	1.2	10.9	11.8	0.5	8.3	11,293
Junju Ward	None	17.4	10.2	44.5	1.8	16.6	0.4	1.1	8.1	2,412
Junju Ward	Primary	27.4	11.0	26.9	1.0	10.1	14.6	0.4	8.7	6,815
Junju Ward	Secondary+	46.5	9.3	12.7	1.4	6.9	16.1	0.3	6.9	2,066
Mwarakaya Ward	Total	11.5	7.4	57.1	0.5	3.8	11.9	0.6	7.2	7,095
Mwarakaya Ward	None	7.1	6.8	75.1	0.5	4.5	0.3	1.4	4.4	1,899
Mwarakaya Ward	Primary	10.1	7.7	54.0	0.6	3.6	15.5	0.4	8.2	3,986
Mwarakaya Ward	Secondary+	23.1	7.4	39.1	0.4	3.3	18.4	0.1	8.3	1,210

Shimo La Tewa Ward	Total	42.2	16.7	4.3	1.2	14.7	8.6	0.2	12.0	23,339
Shimo La Tewa Ward	None	28.3	18.1	8.6	2.3	23.4	0.6	0.9	17.9	2,337
Shimo La Tewa Ward	Primary	37.9	16.9	4.7	1.0	17.7	8.9	0.2	12.7	10,023
Shimo La Tewa Ward	Secondary+	49.0	16.3	3.0	1.3	10.2	10.0	0.1	10.2	10,979
Chasimba Ward	Total	10.6	18.3	44.1	1.1	8.4	12.2	0.5	4.7	8,266
Chasimba Ward	None	6.0	21.2	56.5	1.6	10.5	0.2	1.1	2.9	2,262
Chasimba Ward	Primary	9.5	18.1	42.5	1.0	7.4	16.5	0.3	4.7	4,485
Chasimba Ward	Secondary+	20.9	14.5	30.1	1.0	8.0	17.7	0.3	7.4	1,519
Mtepeni Ward	Total	38.5	9.6	20.3	1.4	11.8	10.3	0.4	7.6	13,242
Mtepeni Ward	None	26.7	8.2	33.3	2.5	21.2	0.3	0.7	7.2	2,439
Mtepeni Ward	Primary	38.4	9.5	20.0	1.1	11.5	11.6	0.4	7.6	7,642
Mtepeni Ward	Secondary+	47.8	10.9	11.0	1.5	5.4	15.2	0.3	8.1	3,161
Kaloleni Constituency	Total	21.4	10.6	22.5	1.1	21.4	14.1	0.6	8.3	51,221
Kaloleni Constituency	None	12.2	8.9	33.2	0.9	35.4	0.3	1.2	7.9	15,197
Kaloleni Constituency	Primary	19.8	10.7	21.1	1.0	17.4	20.9	0.4	8.7	25,565
Kaloleni Constituency	Secondary+	38.7	13.0	10.2	1.5	11.0	17.7	0.2	7.7	10,459
Mariakani Ward	Total	33.2	12.6	6.8	1.6	22.1	13.7	0.5	9.5	16,765
Mariakani Ward	None	18.3	10.4	12.8	1.4	45.1	0.6	1.2	10.3	3,546
Mariakani Ward	Primary	30.7	12.6	6.4	1.4	19.7	18.6	0.4	10.2	7,634
Mariakani Ward	Secondary+	46.0	14.1	3.7	1.9	10.8	15.3	0.2	8.0	5,585
Kayafungo Ward	Total	15.7	9.9	29.3	0.6	21.1	14.9	0.8	7.5	9,909
Kayafungo Ward	None	12.8	11.0	35.3	0.6	31.0	0.2	1.3	7.7	4,134
Kayafungo Ward	Primary	15.8	9.1	26.0	0.6	15.0	25.8	0.5	7.2	4,801
Kayafungo Ward	Secondary+	27.9	9.2	19.4	0.9	9.5	24.0	0.3	8.6	974
Kaloleni Ward	Total	16.8	10.8	31.1	0.9	19.2	12.4	0.6	8.1	18,381
Kaloleni Ward	None	9.5	7.8	45.5	0.8	27.5	0.3	1.3	7.4	4,812
Kaloleni Ward	Primary	15.4	11.6	29.0	0.8	17.7	16.5	0.5	8.7	10,118
Kaloleni Ward	Secondary+	31.4	13.1	17.2	1.1	12.4	17.4	0.1	7.4	3,451
Mwanamwinga Ward	Total	12.4	5.5	28.3	0.9	26.6	19.2	0.5	6.6	6,166
Mwanamwinga Ward	None	8.1	5.6	35.0	0.8	43.3	0.2	0.8	6.2	2,705
Mwanamwinga Ward	Primary	13.9	5.4	24.0	0.9	14.6	33.7	0.2	7.3	3,012

Mwanamwinda Ward	Secondary+	27.8	6.5	17.1	0.9	6.7	36.5	0.4	4.0	449
Rabai Constituency	Total	24.9	10.8	18.1	1.1	20.5	15.2	0.5	9.0	36,312
Rabai Constituency	None	14.5	11.8	26.3	1.3	34.8	0.5	1.0	9.7	9,665
Rabai Constituency	Primary	24.0	10.7	17.0	1.1	17.9	20.4	0.3	8.6	18,648
Rabai Constituency	Secondary+	39.6	9.7	10.5	1.0	9.0	20.8	0.3	9.1	7,999
Mwawesa Ward	Total	21.2	3.6	21.1	0.9	25.6	18.3	0.4	9.0	5,405
Mwawesa Ward	None	17.5	3.3	28.4	0.9	40.3	0.3	0.6	8.7	1,795
Mwawesa Ward	Primary	19.3	3.7	19.7	0.6	21.6	26.1	0.3	8.7	2,618
Mwawesa Ward	Secondary+	33.0	3.6	11.6	1.2	9.6	30.3	0.5	10.2	992
Ruruma Ward	Total	14.2	18.9	24.1	1.2	14.3	18.6	0.6	8.1	7,514
Ruruma Ward	None	8.6	21.8	35.2	1.1	22.3	0.6	1.2	9.3	2,345
Ruruma Ward	Primary	14.0	18.6	20.7	1.1	12.1	26.1	0.4	6.9	3,963
Ruruma Ward	Secondary+	25.8	14.3	13.8	1.5	5.8	29.0	0.2	9.5	1,206
Kambe/Ribe Ward	Total	22.7	8.3	34.3	1.1	14.6	13.1	0.4	5.4	6,313
Kambe/Ribe Ward	None	12.4	8.9	51.4	2.3	18.1	1.0	1.1	4.7	976
Kambe/Ribe Ward	Primary	19.2	8.4	35.2	0.9	16.1	14.4	0.3	5.6	3,538
Kambe/Ribe Ward	Secondary+	35.2	7.9	23.4	0.8	9.8	17.2	0.2	5.5	1,799
Rabai/Kisurutini Ward	Total	31.6	10.4	8.4	1.2	23.7	13.5	0.4	10.8	17,080
Rabai/Kisurutini Ward	None	16.8	10.7	15.5	1.5	42.6	0.5	1.0	11.4	4,549
Rabai/Kisurutini Ward	Primary	32.0	10.1	7.0	1.2	20.3	18.5	0.2	10.6	8,529
Rabai/Kisurutini Ward	Secondary+	47.5	10.7	3.5	0.8	9.4	17.6	0.2	10.3	4,002
Ganze Constituency	Total	20.4	12.4	27.8	1.9	13.5	15.1	0.5	8.4	37,168
Ganze Constituency	None	20.3	14.2	34.1	2.2	19.0	0.2	0.9	9.0	14,978
Ganze Constituency	Primary	17.3	11.6	25.0	1.8	10.3	25.4	0.3	8.3	18,066
Ganze Constituency	Secondary+	34.3	9.2	17.0	1.7	7.1	24.2	0.1	6.4	4,124
Ganze Ward	Total	25.5	7.8	34.1	1.6	6.5	17.9	0.6	5.9	8,067
Ganze Ward	None	32.3	7.1	42.0	1.7	9.7	0.1	0.9	6.2	2,817
Ganze Ward	Primary	18.4	8.5	32.3	1.5	5.1	28.0	0.4	5.7	4,156
Ganze Ward	Secondary+	35.1	7.4	20.8	1.6	3.5	25.6	0.2	5.9	1,094
Bamba Ward	Total	14.4	19.1	24.1	1.2	18.6	11.2	0.7	10.7	10,520
Bamba Ward	None	12.1	21.1	29.8	1.0	24.4	0.3	1.1	10.1	5,129

Bamba Ward	Primary	13.2	17.7	19.9	1.4	13.5	22.3	0.3	11.6	4,627
Bamba Ward	Secondary+	37.4	13.9	10.9	1.8	10.5	16.9	0.1	8.5	764
Jaribuni Ward	Total	23.2	9.2	37.3	2.3	10.1	12.8	0.3	4.8	6,851
Jaribuni Ward	None	22.7	8.2	46.1	2.7	14.5	0.1	0.6	5.2	2,674
Jaribuni Ward	Primary	21.3	10.0	33.2	2.1	7.9	20.7	0.2	4.6	3,520
Jaribuni Ward	Secondary+	34.9	9.0	23.9	1.5	4.4	21.8	0.2	4.4	657
Sokoce Ward	Total	20.6	11.3	21.1	2.6	15.6	18.1	0.5	10.1	11,730
Sokoce Ward	None	20.8	14.2	26.8	3.6	21.5	0.2	0.9	11.9	4,358
Sokoce Ward	Primary	17.3	10.0	18.6	2.1	12.9	29.0	0.2	9.8	5,763
Sokoce Ward	Secondary+	32.1	8.3	14.6	1.7	9.1	27.6	0.1	6.6	1,609
Malindi Constituency	Total	33.1	16.2	11.8	1.2	18.8	10.9	0.4	7.6	65,310
Malindi Constituency	None	18.0	14.0	25.6	1.5	32.0	0.6	1.2	7.1	11,477
Malindi Constituency	Primary	30.7	16.6	11.5	1.0	19.4	12.4	0.3	8.1	34,276
Malindi Constituency	Secondary+	46.1	16.9	4.2	1.2	10.1	14.2	0.2	7.2	19,557
Jilore Ward	Total	15.2	8.5	35.3	0.9	20.8	14.8	0.6	3.9	4,896
Jilore Ward	None	9.0	9.0	52.0	0.8	24.6	0.2	0.8	3.7	1,497
Jilore Ward	Primary	13.8	9.2	30.1	0.8	19.7	21.9	0.5	4.0	2,667
Jilore Ward	Secondary+	32.7	5.2	20.1	1.8	17.1	18.9	0.4	4.0	732
Kakuyuni Ward	Total	15.3	7.2	38.6	0.5	19.8	11.8	0.8	5.9	5,479
Kakuyuni Ward	None	7.3	6.9	50.8	0.6	27.7	0.3	1.3	5.0	1,904
Kakuyuni Ward	Primary	17.2	7.2	34.7	0.5	16.3	17.1	0.5	6.6	2,993
Kakuyuni Ward	Secondary+	32.0	8.4	19.1	0.3	11.9	22.0	0.7	5.7	582
Ganda Ward	Total	23.6	15.7	21.2	1.1	19.5	11.4	0.7	6.8	12,118
Ganda Ward	None	14.2	17.0	30.6	1.6	29.0	0.5	1.3	5.9	2,882
Ganda Ward	Primary	24.4	15.7	19.3	0.8	18.3	14.0	0.5	6.9	7,387
Ganda Ward	Secondary+	35.3	13.3	14.3	1.6	9.6	17.8	0.3	7.7	1,849
Malindi Town Ward	Total	39.8	18.9	3.7	1.3	17.9	9.6	0.3	8.6	23,639
Malindi Town Ward	None	26.3	14.6	8.4	2.2	36.9	0.6	1.4	9.6	2,585
Malindi Town Ward	Primary	36.4	19.5	3.9	1.1	19.7	9.9	0.2	9.3	11,611
Malindi Town Ward	Secondary+	47.7	19.4	2.1	1.2	10.3	11.8	0.1	7.5	9,443
Shella Ward	Total	40.4	17.9	2.1	1.3	18.7	10.8	0.4	8.4	19,178

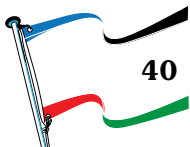
Shella Ward	None	26.9	18.1	3.7	1.8	37.9	1.0	1.0	9.6	2,609
Shella Ward	Primary	37.6	18.9	2.3	1.2	20.6	10.1	0.3	9.1	9,618
Shella Ward	Secondary+	49.4	16.4	1.3	1.2	9.0	15.5	0.2	7.1	6,951
Magarini Constituency	Total	21.1	9.0	31.5	1.2	19.0	11.7	0.5	6.0	60,786
Magarini Constituency	None	13.4	8.2	43.9	1.6	25.4	0.4	1.1	5.9	18,483
Magarini Constituency	Primary	21.4	9.1	28.6	0.9	17.5	16.4	0.2	5.8	34,514
Magarini Constituency	Secondary+	37.7	10.5	14.7	1.2	10.9	18.0	0.2	6.7	7,789
Marafa Ward	Total	14.0	10.7	33.4	1.7	15.3	16.2	0.5	8.1	5,486
Marafa Ward	None	8.3	11.2	46.4	2.5	19.3	0.2	1.1	11.1	1,710
Marafa Ward	Primary	13.0	11.0	30.3	1.3	13.8	22.9	0.3	7.3	3,061
Marafa Ward	Secondary+	32.0	8.3	15.5	1.8	12.2	25.7	0.3	4.2	715
Magarini Ward	Total	22.8	8.5	26.8	1.4	20.9	13.5	0.8	5.4	13,997
Magarini Ward	None	12.3	8.0	38.2	2.3	31.5	0.7	1.8	5.2	3,961
Magarini Ward	Primary	24.9	8.8	23.5	1.1	18.5	17.7	0.3	5.3	8,348
Magarini Ward	Secondary+	36.8	8.0	16.6	0.8	7.6	22.8	0.6	6.8	1,688
Gongoni Ward	Total	29.6	9.2	21.2	1.4	17.3	10.8	0.4	10.0	12,409
Gongoni Ward	None	23.1	8.2	31.5	1.9	25.4	0.4	0.8	8.8	3,567
Gongoni Ward	Primary	29.9	9.3	18.9	1.3	15.4	14.2	0.2	10.8	6,994
Gongoni Ward	Secondary+	41.1	10.9	10.3	1.1	8.5	18.3	0.2	9.5	1,848
Adu Ward	Total	15.6	8.7	43.6	0.7	19.7	7.0	0.5	4.3	14,594
Adu Ward	None	11.1	7.4	52.6	1.0	21.7	0.2	1.0	5.1	5,223
Adu Ward	Primary	15.3	8.7	41.4	0.5	19.4	10.9	0.2	3.6	7,986
Adu Ward	Secondary+	34.6	13.0	22.9	0.6	13.6	10.5	0.1	4.6	1,385
Garashi Ward	Total	8.6	6.3	46.4	1.4	16.1	19.0	0.4	1.8	8,058
Garashi Ward	None	4.6	6.1	62.6	1.8	21.8	0.8	0.8	1.5	2,508
Garashi Ward	Primary	8.3	6.6	41.1	1.0	13.9	27.2	0.2	1.6	4,830
Garashi Ward	Secondary+	25.0	4.6	25.3	2.6	10.7	27.9	0.1	3.8	720
Sabaki Ward	Total	35.4	12.8	12.8	0.8	24.1	7.2	0.4	6.6	6,242
Sabaki Ward	None	21.4	11.7	24.4	0.8	35.6	0.2	1.1	4.8	1,514
Sabaki Ward	Primary	36.9	12.5	11.1	0.4	22.9	9.0	0.2	7.0	3,295
Sabaki Ward	Secondary+	46.5	14.7	4.4	1.5	14.9	10.5	-	7.7	1,433

Table 14.5: 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 Agricultural holding	Internal/ Volunteer	Retired/ 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
Kilifi	Total	19.61	11.45	24.08	1.38	17.85	16.44	0.65	8.53	155,951
Kilifi	None	14.94	12.38	36.41	1.85	25.31	0.40	1.30	7.42	48,448
Kilifi	Primary	17.91	10.83	21.85	1.07	16.07	23.23	0.39	8.65	77,094
Kilifi	Secondary+	31.38	11.52	10.11	1.43	10.47	24.77	0.28	10.03	30,409
Kilifi North Constituency	Total	21.27	12.78	22.16	1.48	14.88	16.84	0.68	9.91	30,302
Kilifi North Constituency	None	15.84	14.05	35.52	2.24	21.89	0.49	1.24	8.73	7,770
Kilifi North Constituency	Primary	19.41	12.78	20.85	1.22	14.03	21.21	0.54	9.97	15,631
Kilifi North Constituency	Secondary+	31.60	11.38	10.07	1.22	8.91	25.34	0.36	11.11	6,901
Tezo Ward	Total	15.89	14.09	26.73	2.88	13.92	16.64	0.36	9.48	3,606
Tezo Ward	None	12.46	16.45	35.09	3.99	20.44	0.20	1.00	10.37	1,003
Tezo Ward	Primary	16.15	13.82	24.59	2.59	12.06	21.43	0.10	9.27	1,932
Tezo Ward	Secondary+	20.27	11.33	20.42	2.09	9.54	27.42	0.15	8.79	671
Sokoni Ward	Total	31.11	17.29	8.82	1.50	10.21	15.72	0.38	14.98	5,796
Sokoni Ward	None	22.86	22.58	15.33	3.29	17.22	0.47	1.03	17.22	1,063
Sokoni Ward	Primary	28.25	18.62	9.11	0.97	11.00	15.76	0.28	16.00	2,481
Sokoni Ward	Secondary+	38.14	13.32	5.42	1.24	6.04	22.87	0.18	12.79	2,252

Kibarani Ward	Total	17.44	6.41	39.78	1.07	11.77	13.84	1.95	7.73	3,635
Kibarani Ward	None	14.80	6.23	52.62	1.41	16.71	0.08	1.58	6.57	1,203
Kibarani Ward	Primary	16.72	6.46	35.23	0.92	9.74	20.10	2.36	8.46	1,950
Kibarani Ward	Secondary+	26.97	6.64	26.14	0.83	7.68	22.82	1.24	7.68	482
Dabaso Ward	Total	21.72	10.41	11.43	1.21	23.94	18.45	0.67	12.17	4,043
Dabaso Ward	None	13.77	14.18	22.57	2.48	35.30	0.52	1.55	9.63	966
Dabaso Ward	Primary	20.53	10.10	9.56	0.72	21.88	24.33	0.41	12.46	2,207
Dabaso Ward	Secondary+	33.56	7.01	3.79	1.03	16.55	23.45	0.34	14.25	870
Matsangoni Ward	Total	14.87	14.15	32.14	0.86	7.91	23.67	0.46	5.94	5,018
Matsangoni Ward	None	12.25	15.83	50.98	1.54	12.68	0.42	1.26	5.04	1,428
Matsangoni Ward	Primary	15.07	13.71	26.94	0.65	6.76	31.12	0.11	5.65	2,780
Matsangoni Ward	Secondary+	18.77	12.72	16.79	0.37	3.46	39.14	0.25	8.52	810
Watamu Ward	Total	25.32	16.81	8.93	1.62	18.46	15.74	0.85	12.28	3,527
Watamu Ward	None	15.37	19.25	17.53	2.01	29.17	1.44	2.01	13.22	696
Watamu Ward	Primary	22.59	18.24	8.93	1.74	17.69	17.47	0.60	12.74	1,837
Watamu Ward	Secondary+	37.32	12.47	2.92	1.11	12.37	22.54	0.50	10.76	994
Mnarani Ward	Total	19.65	8.70	30.00	1.48	20.76	12.81	0.43	6.18	4,677
Mnarani Ward	None	19.14	8.15	38.55	1.56	27.43	0.64	0.64	3.90	1,411
Mnarani Ward	Primary	16.69	8.31	30.56	1.31	20.50	16.16	0.29	6.18	2,444
Mnarani Ward	Secondary+	29.32	10.83	13.63	1.82	10.10	23.72	0.49	10.10	822
Kilifi South Constituency	Total	22.64	12.13	28.76	1.31	11.53	13.72	0.59	9.31	25,585
Kilifi South Constituency	None	14.55	14.02	47.69	1.70	13.75	0.28	1.39	6.62	6,756
Kilifi South Constituency	Primary	20.49	10.76	27.89	0.80	11.60	18.43	0.34	9.69	12,213
Kilifi South Constituency	Secondary+	34.85	12.73	11.03	1.86	9.14	18.76	0.24	11.38	6,616
Junju Ward	Total	21.15	9.88	31.17	1.04	12.17	15.03	0.73	8.82	4,231
Junju Ward	None	20.00	11.00	44.85	1.62	14.23	0.46	1.92	5.92	1,300
Junju Ward	Primary	19.04	9.74	28.17	0.52	12.26	20.17	0.17	9.91	2,300
Junju Ward	Secondary+	31.22	8.08	13.95	1.74	7.61	26.31	0.32	10.78	631
Mwarakaya Ward	Total	6.56	4.92	62.65	0.80	4.34	14.75	0.78	5.19	4,102
Mwarakaya Ward	None	4.64	5.84	78.41	1.05	4.99	0.14	1.55	3.38	1,422
Mwarakaya Ward	Primary	5.85	4.42	58.22	0.57	3.94	21.15	0.38	5.47	2,104

Mwarakaya Ward	Secondary+	13.89	4.51	39.93	1.04	4.17	27.43	0.35	8.68	576
Shimo La Tewa Ward	Total	35.48	16.96	4.70	2.02	15.17	11.04	0.37	14.25	8,001
Shimo La Tewa Ward	None	23.75	25.07	9.64	2.54	21.91	0.26	1.14	15.69	1,141
Shimo La Tewa Ward	Primary	32.20	15.34	5.32	1.43	17.75	12.65	0.44	14.87	3,155
Shimo La Tewa Ward	Secondary+	41.89	15.84	2.65	2.38	10.90	12.98	0.08	13.28	3,705
Chasimba Ward	Total	5.28	15.61	46.91	0.82	10.39	16.25	0.62	4.11	4,504
Chasimba Ward	None	3.58	18.51	61.57	1.36	11.17	0.19	1.11	2.53	1,621
Chasimba Ward	Primary	4.58	14.02	41.80	0.46	10.31	23.69	0.18	4.95	2,182
Chasimba Ward	Secondary+	11.41	13.84	28.96	0.71	8.84	30.24	0.86	5.14	701
Mtepeni Ward	Total	32.67	8.91	20.64	1.26	12.13	13.80	0.63	9.94	4,747
Mtepeni Ward	None	25.79	10.61	32.70	2.20	19.03	0.39	1.26	8.02	1,272
Mtepeni Ward	Primary	33.41	8.37	18.33	0.77	10.80	17.23	0.44	10.64	2,472
Mtepeni Ward	Secondary+	39.58	8.08	11.07	1.30	6.68	22.33	0.30	10.67	1,003
Kaloleni Constituency	Total	13.63	9.42	23.86	1.02	25.73	17.61	0.70	8.03	22,201
Kaloleni Constituency	None	10.57	9.53	32.03	1.20	37.97	0.46	1.48	6.76	7,987
Kaloleni Constituency	Primary	12.29	9.01	21.69	0.84	20.25	27.45	0.28	8.19	10,720
Kaloleni Constituency	Secondary+	24.76	10.42	11.85	1.14	14.57	26.62	0.20	10.45	3,494
Mariakani Ward	Total	20.54	13.71	8.19	1.65	26.74	18.06	0.42	10.69	5,763
Mariakani Ward	None	14.34	13.48	13.65	2.29	44.92	0.98	1.09	9.24	1,743
Mariakani Ward	Primary	18.99	13.14	6.86	1.23	21.84	26.77	0.15	11.02	2,596
Mariakani Ward	Secondary+	30.97	15.03	3.93	1.62	13.41	23.10	0.07	11.87	1,424
Kayafungo Ward	Total	12.09	8.69	27.75	0.73	25.69	16.94	1.31	6.81	5,053
Kayafungo Ward	None	13.93	9.68	32.10	0.72	34.50	0.29	2.31	6.48	2,377
Kayafungo Ward	Primary	8.99	8.42	25.19	0.83	19.07	30.47	0.44	6.59	2,291
Kayafungo Ward	Secondary+	19.22	4.16	16.10	0.26	10.65	39.22	0.26	10.13	385
Kaloleni Ward	Total	11.54	8.47	31.80	0.89	23.27	15.38	0.55	8.10	8,415
Kaloleni Ward	None	7.23	8.41	44.42	1.30	30.83	0.31	1.10	6.40	2,546
Kaloleni Ward	Primary	10.74	8.44	29.20	0.63	20.71	21.50	0.32	8.46	4,442
Kaloleni Ward	Secondary+	21.72	8.69	17.38	0.98	17.73	23.20	0.28	10.02	1,427
Mwanamwinga Ward	Total	8.75	5.02	25.15	0.64	30.84	24.21	0.64	4.75	2,970
Mwanamwinga Ward	None	5.98	6.21	32.25	0.45	48.83	0.38	1.21	4.69	1,321



Mwanamwinda Ward	Primary	10.14	4.10	19.63	0.79	17.76	42.77	0.14	4.67	1,391
Mwanamwinda Ward	Secondary+	15.50	3.88	18.60	0.78	9.30	46.12	0.39	5.43	258
Rabai Constituency	Total	18.84	10.16	19.73	1.12	21.81	18.40	0.65	9.30	13,156
Rabai Constituency	None	9.62	12.13	29.80	1.90	35.31	0.63	1.25	9.36	3,835
Rabai Constituency	Primary	19.63	9.82	17.60	0.81	18.43	24.42	0.45	8.85	6,680
Rabai Constituency	Secondary+	30.22	8.18	10.49	0.76	10.75	29.00	0.27	10.34	2,641
Mwawesa Ward	Total	10.62	3.08	20.85	0.77	31.52	24.59	0.66	7.92	1,818
Mwawesa Ward	None	7.69	3.32	30.47	1.21	47.51	0.75	1.21	7.84	663
Mwawesa Ward	Primary	11.99	3.29	17.51	0.59	24.79	34.20	0.35	7.29	851
Mwawesa Ward	Secondary+	13.16	1.97	9.21	0.33	15.46	49.67	0.33	9.87	304
Ruruma Ward	Total	8.95	16.58	24.65	1.25	17.96	21.30	0.72	8.59	3,051
Ruruma Ward	None	6.53	18.86	35.23	1.93	28.24	0.28	1.38	7.54	1,087
Ruruma Ward	Primary	9.19	15.90	20.72	0.98	13.94	30.49	0.46	8.34	1,535
Ruruma Ward	Secondary+	14.22	13.29	11.89	0.47	6.29	41.72	-	12.12	429
Kambe/Ribe Ward	Total	13.50	8.67	38.96	1.29	15.85	14.99	0.63	6.12	2,549
Kambe/Ribe Ward	None	8.74	10.04	56.69	2.23	14.50	0.56	1.30	5.95	538
Kambe/Ribe Ward	Primary	12.47	8.55	37.21	0.91	17.24	17.31	0.56	5.75	1,427
Kambe/Ribe Ward	Secondary+	20.38	7.71	26.88	1.37	13.70	22.60	0.17	7.19	584
Rabai/Kisuruti Ward	Total	29.07	9.65	8.23	1.08	23.42	16.42	0.61	11.52	5,738
Rabai/Kisuruti Ward	None	12.93	11.89	16.35	2.07	42.28	0.84	1.16	12.48	1,547
Rabai/Kisuruti Ward	Primary	31.04	9.14	6.21	0.73	19.53	21.80	0.42	11.13	2,867
Rabai/Kisuruti Ward	Secondary+	43.66	8.16	3.10	0.68	9.82	22.96	0.38	11.25	1,324
Ganze Constituency	Total	18.23	9.57	28.34	1.98	15.09	18.71	0.54	7.54	21,727
Ganze Constituency	None	21.64	11.65	34.89	2.58	20.10	0.25	0.85	8.04	9,528
Ganze Constituency	Primary	13.97	8.16	24.28	1.55	11.82	32.67	0.32	7.23	10,160
Ganze Constituency	Secondary+	23.54	6.87	17.95	1.32	7.95	35.41	0.20	6.77	2,039
Ganze Ward	Total	21.56	7.12	35.46	1.54	6.42	21.68	0.49	5.73	5,310
Ganze Ward	None	29.99	7.06	44.69	2.31	9.23	0.43	0.86	5.43	2,081
Ganze Ward	Primary	13.99	7.48	31.34	1.08	5.12	35.04	0.30	5.65	2,674
Ganze Ward	Secondary+	26.49	5.59	20.72	0.90	2.16	36.94	-	7.21	555
Bamba Ward	Total	13.34	14.55	23.19	0.99	24.00	13.47	0.50	9.97	5,555

Bamba Ward	None	13.58	16.90	28.82	1.25	28.71	0.24	0.73	9.77	2,887
Bamba Ward	Primary	11.19	12.53	17.80	0.73	19.14	28.09	0.26	10.24	2,314
Bamba Ward	Secondary+	25.42	8.47	12.43	0.56	17.23	25.71	0.28	9.89	354
Jaribuni Ward	Total	18.54	8.42	40.69	2.50	9.74	15.54	0.39	4.18	3,635
Jaribuni Ward	None	21.69	9.39	47.23	2.96	13.93	0.19	0.69	3.91	1,586
Jaribuni Ward	Primary	15.49	7.48	36.33	2.19	6.91	26.77	0.12	4.72	1,737
Jaribuni Ward	Secondary+	19.55	8.65	31.73	1.92	4.17	31.09	0.32	2.56	312
Sokoce Ward	Total	19.39	8.12	20.85	2.80	17.30	22.15	0.69	8.70	7,227
Sokoce Ward	None	23.60	10.96	27.34	3.87	22.63	0.17	1.04	10.39	2,974
Sokoce Ward	Primary	15.05	6.08	17.06	2.13	14.59	36.89	0.49	7.71	3,435
Sokoce Ward	Secondary+	22.25	6.36	13.20	1.71	9.29	40.22	0.24	6.72	818
Malindi Constituency	Total	24.79	16.32	14.29	1.27	18.45	15.21	0.73	8.93	22,799
Malindi Constituency	None	15.48	17.69	28.97	1.25	27.16	0.42	1.81	7.22	5,523
Malindi Constituency	Primary	22.95	16.45	12.70	1.11	18.70	18.09	0.46	9.53	10,849
Malindi Constituency	Secondary+	35.90	14.92	4.37	1.56	10.53	23.06	0.26	9.40	6,427
Jilore Ward	Total	10.17	7.65	33.64	0.66	21.94	20.66	0.87	4.41	2,744
Jilore Ward	None	10.20	8.70	52.80	0.20	22.00	0.10	1.60	4.40	1,000
Jilore Ward	Primary	10.16	7.53	24.78	1.02	23.10	28.44	0.51	4.46	1,368
Jilore Ward	Secondary+	10.11	5.32	14.89	0.53	17.55	47.07	0.27	4.26	376
Kakuyuni Ward	Total	9.31	7.77	40.57	0.50	19.90	15.15	1.12	5.68	2,588
Kakuyuni Ward	None	5.48	8.85	53.56	0.58	25.00	0.48	1.83	4.23	1,040
Kakuyuni Ward	Primary	11.29	7.09	33.10	0.47	17.99	23.52	0.47	6.07	1,284
Kakuyuni Ward	Secondary+	14.77	6.82	25.76	0.38	9.09	32.20	1.52	9.47	264
Ganda Ward	Total	17.06	18.18	24.02	1.68	18.18	12.76	0.91	7.21	3,635
Ganda Ward	None	12.20	23.49	35.14	1.45	21.23	0.36	1.99	4.16	1,107
Ganda Ward	Primary	17.95	16.44	20.40	1.71	17.86	16.39	0.54	8.71	2,044
Ganda Ward	Secondary+	24.38	13.43	13.84	2.07	12.60	25.83	-	7.85	484
Malindi Town Ward	Total	31.81	20.00	3.46	1.18	18.07	13.95	0.61	10.92	7,434
Malindi Town Ward	None	22.58	22.92	7.08	1.67	31.42	0.67	1.92	11.75	1,200
Malindi Town Ward	Primary	29.01	20.75	3.55	1.01	19.11	14.49	0.48	11.60	3,354
Malindi Town Ward	Secondary+	38.92	17.92	1.84	1.18	11.28	18.85	0.21	9.79	2,880

Shella Ward	Total	33.56	18.16	2.44	1.70	16.96	15.75	0.56	10.86	6,398
Shella Ward	None	24.66	22.36	3.49	2.13	34.69	0.43	1.70	10.54	1,176
Shella Ward	Primary	30.94	19.97	2.79	1.11	17.01	16.11	0.36	11.72	2,799
Shella Ward	Secondary+	40.90	14.03	1.53	2.19	8.30	22.78	0.25	10.03	2,423
Magarini Constituency	Total	16.02	8.17	30.61	1.38	21.35	15.64	0.67	6.15	20,181
Magarini Constituency	None	12.65	9.15	43.04	1.73	25.96	0.40	1.32	5.75	7,049
Magarini Constituency	Primary	15.99	7.43	26.13	1.05	19.80	22.94	0.32	6.33	10,841
Magarini Constituency	Secondary+	26.45	8.64	13.57	1.83	14.54	28.02	0.35	6.59	2,291
Marafa Ward	Total	11.73	9.69	28.36	2.38	20.65	20.31	0.53	6.35	2,063
Marafa Ward	None	10.98	13.41	41.80	3.57	20.83	0.43	1.14	7.85	701
Marafa Ward	Primary	11.06	8.08	23.35	1.58	21.51	28.80	0.09	5.53	1,139
Marafa Ward	Secondary+	17.49	6.28	11.66	2.69	15.70	39.46	0.90	5.83	223
Magarini Ward	Total	17.42	7.94	27.46	1.03	22.69	16.88	1.18	5.40	4,650
Magarini Ward	None	10.59	9.57	37.56	1.34	32.40	0.51	2.49	5.55	1,568
Magarini Ward	Primary	19.05	7.37	23.88	0.87	19.76	23.60	0.55	4.91	2,525
Magarini Ward	Secondary+	29.26	5.92	15.26	0.90	8.62	32.50	0.36	7.18	557
Gongoni Ward	Total	24.88	10.21	17.85	2.22	18.10	15.11	0.90	10.73	4,016
Gongoni Ward	None	23.97	12.78	24.98	3.10	23.61	0.58	1.66	9.31	1,385
Gongoni Ward	Primary	23.97	8.93	15.65	1.60	16.07	21.48	0.56	11.75	2,128
Gongoni Ward	Secondary+	31.21	8.55	7.55	2.39	11.53	28.23	0.20	10.34	503
Adu Ward	Total	11.35	5.90	44.53	0.69	21.32	10.49	0.39	5.32	4,624
Adu Ward	None	9.91	5.57	56.98	0.62	21.00	0.06	0.73	5.12	1,776
Adu Ward	Primary	11.29	5.54	38.85	0.64	21.49	16.47	0.16	5.54	2,489
Adu Ward	Secondary+	18.94	10.03	22.28	1.39	21.73	20.61	0.28	4.74	359
Garashi Ward	Total	5.28	5.12	40.66	1.30	23.23	22.02	0.32	2.07	3,143
Garashi Ward	None	3.75	5.97	57.46	1.36	28.99	0.43	0.60	1.45	1,173
Garashi Ward	Primary	5.33	4.57	32.48	1.16	20.32	33.93	0.12	2.08	1,727
Garashi Ward	Secondary+	12.35	4.94	17.70	2.06	16.05	41.56	0.41	4.94	243
Sabaki Ward	Total	29.08	14.01	15.55	1.13	22.85	10.03	0.36	7.00	1,685
Sabaki Ward	None	21.75	12.33	26.91	1.35	30.49	0.67	0.67	5.83	446
Sabaki Ward	Primary	29.29	14.53	12.36	0.48	20.89	13.21	0.24	9.00	833

Sabaki Ward	Secondary+	36.70	14.78	9.61	2.22	18.47	13.79	0.25	4.19	406
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Table 14.6: 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
Kilifi County	0.029	2,870	0.024	0.565
Kilifi North Constituency	0.005	3,250	0.0051	0.550
Tezo	0.001	2,200	0.0004	0.507
Sokoni	0.001	6,300	0.0017	0.374
Kibarani	0.001	2,050	0.0004	0.517
Dabaso	0.001	2,550	0.0005	0.576
Matsangoni	0.001	1,710	0.0004	0.527
Watamu	0.001	4,350	0.0008	0.519
Mnarani	0.001	3,100	0.0008	0.549
Kilifi South Constituency	0.005	3,750	0.0049	0.437
Junju	0.001	3,040	0.0008	0.441
Mwarakaya	0.001	2,390	0.0005	0.328
Shimo La Tewa	0.001	5,720	0.0022	0.376
Chasimba	0.001	2,500	0.0006	0.375
Mtepeni	0.001	3,550	0.0009	0.430
Kaloleni Constituency	0.004	2,750	0.0033	0.539
Mariakani	0.001	4,490	0.0015	0.508
Kayafungo	0.001	1,430	0.0004	0.511
Kaloleni	0.001	2,860	0.0012	0.425
Mwanamwinga	0.001	1,180	0.0002	0.494
Rabai Constituency	0.003	2,910	0.0022	0.415
Mwawesa	0.000	2,020	0.0002	0.438
Ruruma	0.001	2,310	0.0004	0.386
Kambe/Ribe	0.000	3,190	0.0004	0.329
Rabai/Kisurutini	0.001	3,410	0.0011	0.424
Ganze Constituency	0.004	1,190	0.0013	0.523
Ganze	0.001	1,070	0.0003	0.546
Bamba	0.001	993	0.0003	0.507
Jaribuni	0.001	895	0.0002	0.473
Soko	0.001	1,620	0.0005	0.482
Malindi Constituency	0.004	4,510	0.0056	0.540
Jilore	0.000	1,250	0.0002	0.581
Kakuyuni	0.000	1,000	0.0001	0.550
Ganda	0.001	1,780	0.0004	0.569
Malindi Town	0.001	6,730	0.0027	0.387
Shella	0.001	6,720	0.0022	0.383
Magarini Constituency	0.005	1,450	0.0019	0.608
Marafa	0.000	1,090	0.0001	0.539
Magarini	0.001	1,260	0.0004	0.566

Gongoni	0.001	1,900	0.0005	0.634
Adu	0.001	1,280	0.0004	0.591
Garashi	0.001	762	0.0002	0.444
Sabaki	0.000	2,920	0.0003	0.605

Table 14.7: 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
Kilifi County	35.6	51.9	12.5	971,960
Kilifi North Constituency	31.6	53.5	14.9	180,851
Tezo	34.0	54.6	11.5	22,529
Sokoni	23.2	48.8	28.0	30,483
Kibarani	37.6	53.8	8.6	20,970
Dabaso	31.8	54.6	13.6	25,619
Matsangoni	35.7	55.3	9.1	29,475
Watamu	25.9	54.4	19.7	22,326
Mnarani	34.2	54.0	11.8	29,449
Kilifi South Constituency	29.6	53.1	17.3	151,569
Junju	33.4	56.8	9.8	28,021
Mwarakaya	38.3	53.3	8.4	22,252
Shimo La Tewa	18.6	48.4	33.0	45,448
Chasimba	37.0	54.0	9.0	25,805
Mtepeni	29.9	55.8	14.3	30,043
Kaloleni Constituency	40.3	49.2	10.5	136,064
Mariakani	32.5	48.5	19.1	37,489
Kayafungo	49.7	45.7	4.6	30,293
Kaloleni	37.7	52.2	10.1	49,530
Mwanamwinga	47.9	48.3	3.8	18,752
Rabai Constituency	37.2	50.0	12.8	85,830
Mwawesa	41.3	48.6	10.1	13,158
Ruruma	42.7	48.5	8.8	19,158
Kambe/Ribe	29.3	54.5	16.2	15,361
Rabai/Kisurutini	36.3	49.5	14.2	38,153
Ganze Constituency	44.5	50.2	5.3	120,335
Ganze	41.7	52.1	6.2	27,440
Bamba	48.5	48.1	3.5	32,983
Jaribuni	44.6	50.8	4.6	21,748
Soko	43.0	50.5	6.5	38,164
Malindi Constituency	29.3	52.2	18.4	143,710
Jilore	39.6	53.0	7.5	15,444
Kakuyuni	44.8	49.8	5.4	15,976
Ganda	36.7	55.0	8.3	28,765
Malindi Town	21.0	51.5	27.5	45,532
Shella	23.2	51.6	25.2	37,993

Magarini Constituency	39.9	53.4	6.7	153,601
Marafa	38.6	55.1	6.3	14,838
Magarini	38.5	55.0	6.5	35,082
Gongoni	37.6	54.4	7.9	30,249
Adu	44.3	51.0	4.7	37,219
Garashi	41.6	54.1	4.3	22,593
Sabaki	35.2	50.5	14.3	13,620

Table 14.8: 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
Kilifi County	28.2	56.2	15.7	465,342		42.4	48.0	9.6	506,618
Kilifi North Constituency	25.2	56.6	18.2	88,405		37.7	50.6	11.7	92,446
Tezo	26.6	58.4	15.0	11,038		41.0	50.9	8.1	11,491
Sokoni	19.4	48.4	32.2	14,618		26.8	49.1	24.1	15,865
Kibarani	29.9	59.3	10.8	10,150		44.9	48.6	6.5	10,820
Dabaso	25.0	58.0	17.0	12,643		38.5	51.3	10.3	12,976
Matsangoni	28.4	59.7	11.9	14,307		42.6	51.0	6.4	15,168
Watamu	21.1	55.6	23.4	11,310		30.8	53.2	16.0	11,016
Mnarani	27.0	58.0	15.0	14,339		41.0	50.2	8.7	15,110
Kilifi South Constituency	23.4	56.2	20.4	73,388		35.5	50.2	14.4	78,181
Junju	26.1	61.1	12.8	13,718		40.4	52.7	6.9	14,303
Mwarakaya	29.0	59.6	11.4	10,213		46.3	47.9	5.8	12,039
Shimo La Tewa	16.1	48.4	35.5	22,533		21.1	48.4	30.5	22,915
Chasimba	28.9	59.0	12.1	11,943		44.0	49.8	6.3	13,862
Mtepeni	23.5	59.0	17.5	14,981		36.2	52.7	11.1	15,062
Kaloleni Constituency	31.6	54.7	13.7	63,883		48.0	44.3	7.6	72,181
Mariakani	25.7	51.1	23.3	18,388		39.0	46.0	15.0	19,101
Kayafungo	39.7	53.5	6.8	13,740		58.0	39.2	2.8	16,553
Kaloleni	29.3	57.5	13.2	23,291		45.0	47.6	7.4	26,239
Mwanamwinga	37.4	56.9	5.7	8,464		56.5	41.2	2.3	10,288

Rabai Constituency	30.6	53.0	16.4	40,699		43.2	47.4	9.5	45,131
Mwawesa	33.7	52.3	14.1	6,089		47.8	45.5	6.7	7,069
Ruruma	35.4	52.2	12.4	8,915		49.0	45.2	5.8	10,243
Kambe/Ribe	23.1	56.0	20.9	7,452		35.2	53.1	11.8	7,909
Rabai/Kisurutini	30.4	52.4	17.3	18,243		41.7	46.9	11.5	19,910
Ganze Constituency	35.0	57.6	7.4	54,312		52.3	44.2	3.5	66,023
Ganze	32.3	59.0	8.8	12,205		49.3	46.6	4.1	15,235
Bamba	38.7	56.3	5.0	14,765		56.4	41.4	2.3	18,218
Jaribuni	34.5	58.7	6.9	9,994		53.2	44.1	2.7	11,754
Sokoke	34.1	57.0	8.9	17,348		50.5	45.0	4.6	20,816
Malindi Constituency	23.4	54.8	21.8	70,454		35.1	49.7	15.2	73,256
Jilore	31.3	58.7	10.1	7,185		46.8	48.1	5.2	8,259
Kakuyuni	36.6	55.8	7.6	7,620		52.2	44.4	3.4	8,356
Ganda	29.8	59.6	10.7	14,264		43.5	50.5	6.0	14,501
Malindi Town	16.1	52.1	31.8	22,633		25.7	51.0	23.3	22,899
Shella	18.9	52.6	28.5	18,752		27.4	50.7	22.0	19,241
Magarini Constituency	31.6	59.0	9.4	74,201		47.6	48.2	4.2	79,400
Marafa	30.7	60.0	9.3	7,137		45.9	50.6	3.5	7,701
Magarini	29.5	61.1	9.4	16,799		46.7	49.4	3.9	18,283
Gongoni	29.5	59.6	10.9	14,820		45.4	49.5	5.1	15,429
Adu	36.2	56.7	7.1	17,985		51.9	45.7	2.4	19,234
Garashi	33.0	60.6	6.4	10,625		49.2	48.3	2.5	11,968
Sabaki	28.2	54.8	17.0	6,835		42.2	46.2	11.6	6,785

Table 14.9: 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

Kilifi County	0.9	7.7	2.1	0.8	67.2	20.8	0.0	0.5	190,729
Kilifi North Constituency	0.8	6.1	2.1	1.1	65.0	24.5	0.0	0.4	35,618
Tezo	0.2	2.0	0.4	0.3	91.8	5.2	0.0	0.1	3,775
Sokoni	0.8	10.5	3.6	1.1	27.8	55.4	0.0	0.7	8,528
Kibarani	0.4	1.1	1.4	0.4	88.8	7.7	-	0.1	3,468
Dabaso	0.7	3.9	3.0	0.6	80.1	11.6	0.1	0.2	3,990
Matsangoni	0.0	0.7	0.4	0.3	94.5	4.0	0.0	0.0	4,684
Watamu	2.4	13.3	3.2	2.9	45.0	32.8	0.1	0.3	5,180
Mnarani	0.8	4.9	1.0	1.6	71.5	19.7	0.0	0.6	5,993
Kilifi South Constituency	1.4	16.5	4.0	1.2	58.3	17.8	0.1	0.6	35,808
Junju	0.6	4.5	1.0	0.7	83.3	9.8	0.0	0.1	5,668
Mwarakaya	0.2	0.3	0.0	0.3	97.2	2.0	-	-	4,494
Shimo La Tewa	3.0	33.8	8.8	2.6	17.8	32.6	0.1	1.3	13,699
Chasimba	0.1	1.6	0.1	0.2	96.7	1.3	0.1	-	5,042
Mtepeni	0.9	13.4	2.5	0.3	64.9	17.5	0.1	0.4	6,905
Kaloleni Constituency	0.5	4.6	1.1	0.4	72.3	20.5	0.1	0.6	24,455
Mariakani	1.1	10.3	2.2	0.6	38.7	45.9	0.0	1.4	8,352
Kayafungo	0.1	1.3	0.1	0.3	95.5	2.6	0.0	0.1	4,669
Kaloleni	0.4	2.2	0.7	0.3	84.3	11.8	0.1	0.2	8,569
Mwanamwanga	0.0	0.3	0.4	0.2	97.0	2.0	0.0	-	2,865
Rabai Constituency	0.6	5.7	0.6	0.5	77.9	14.4	0.0	0.3	15,879
Mwawesa	0.0	0.7	0.3	0.3	95.1	3.6	0.0	0.0	2,368
Ruruma	-	0.6	0.2	0.3	95.7	3.0	0.0	0.1	3,376
Kambe/Ribe	1.6	3.0	0.5	0.6	89.4	4.4	0.0	0.5	2,859
Rabai/Kisurutini	0.7	10.8	1.0	0.6	59.4	27.1	0.0	0.4	7,276
Ganze Constituency	0.0	0.4	0.1	0.2	95.1	4.0	0.0	0.1	19,838
Ganze	0.1	0.6	0.1	0.2	94.9	4.1	0.0	0.0	4,462
Bamba	0.0	0.4	0.2	0.3	93.2	5.8	0.0	0.1	5,410
Jaribuni	0.1	0.3	0.1	0.3	97.3	1.9	0.1	0.1	3,762
Sokoike	-	0.4	0.1	0.1	95.6	3.7	0.1	0.1	6,204
Malindi Constituency	1.7	12.0	3.8	1.0	38.7	42.0	0.1	0.8	33,182

Jilore	0.4	1.0	0.1	0.2	91.8	6.3	0.0	0.2	2,732
Kakuyuni	0.2	2.6	0.2	0.2	94.3	2.3	0.1	0.0	2,538
Ganda	0.4	1.1	0.3	0.1	91.2	6.8	0.1	0.0	4,472
Malindi Town	2.1	19.1	5.3	1.3	15.3	55.6	0.1	1.4	13,691
Shella	2.4	12.5	5.2	1.5	18.1	59.5	0.0	0.8	9,749
Magarini Constituency	0.6	1.7	0.8	0.6	86.6	9.4	0.0	0.2	25,949
Marafa	-	1.3	0.1	0.2	93.1	5.2	0.0	0.2	2,594
Magarini	0.2	0.7	0.4	0.4	93.3	4.9	0.0	0.1	5,276
Gongoni	0.4	3.3	0.1	0.4	78.9	16.6	0.0	0.3	5,004
Adu	0.3	0.7	0.2	0.1	89.7	8.7	0.0	0.3	6,799
Garashi	0.1	0.2	0.1	0.3	97.3	1.8	-	0.3	3,574
Sabaki	4.1	5.1	6.5	3.4	59.7	20.8	0.1	0.2	2,702

Table 14.10: Cooking Fuel for Male Headed Households by County, Constituency and Wards

County/Constituency/Wards	Electricity	Paraffin	LPG	Biogas	Firewood	Charcoal	Solar	Other	Households
Kenya	0.9	13.5	5.3	0.8	61.4	17.7	0.1	0.4	5,762,320
Rural	0.2	1.6	0.6	0.3	89.6	7.5	0.1	0.1	3,413,616
Urban	1.9	30.9	12.0	1.4	20.4	32.5	0.0	0.7	2,348,704
Kilifi County	1.0	8.7	2.1	0.8	64.7	22.1	0.0	0.6	128,348
Kilifi North Constituency	0.9	7.2	2.0	1.1	63.0	25.3	0.0	0.4	24,373
Tezo	0.1	2.5	0.3	0.3	90.7	6.0	0.0	0.1	2,605
Sokoni	0.8	12.3	3.4	1.2	25.8	55.6	0.0	0.8	5,771
Kibarani	0.5	1.5	1.5	0.4	87.5	8.5	0.0	0.0	2,183
Dabaso	0.8	4.6	3.3	0.6	77.9	12.5	0.0	0.2	2,866
Matsangoni	0.1	0.9	0.3	0.2	94.2	4.3	0.0	0.1	3,048
Watamu	2.5	14.2	2.7	2.8	44.0	33.4	0.1	0.4	3,812
Mnarani	0.8	5.7	1.1	1.6	69.1	21.1	0.0	0.5	4,088
Kilifi South Constituency	1.5	18.0	3.7	1.2	55.4	19.4	0.1	0.8	24,035
Junju	0.7	5.5	1.0	0.6	81.1	10.9	0.1	0.1	3,935
Mwarakaya	0.1	0.4	0.0	0.3	96.6	2.5	0.0	0.0	2,522
Shimo La Tewa	2.9	34.4	7.5	2.4	17.9	33.1	0.1	1.6	9,763
Chasimba	0.1	1.6	0.1	0.2	96.3	1.5	0.1	0.0	2,850
Mtepeni	0.9	13.8	2.5	0.3	64.1	17.8	0.1	0.6	4,965
Kaloleni Constituency	0.7	5.8	1.2	0.4	68.7	22.4	0.1	0.8	15,784
Mariakani	1.3	12.2	2.3	0.6	35.3	46.5	0.0	1.9	5,852

Kayafungo	0.0	1.4	0.0	0.3	95.0	3.2	0.0	0.0	2,777
Kaloleni	0.5	2.9	0.9	0.2	82.4	12.7	0.1	0.3	5,444
Mwanamwinga	0.1	0.4	0.5	0.2	97.1	1.7	0.1	0.0	1,711
Rabai Constituency	0.7	5.9	0.7	0.5	77.3	14.5	0.0	0.4	10,848
Mwawesa	0.0	0.9	0.2	0.2	95.0	3.5	0.1	0.0	1,612
Ruruma	0.0	0.8	0.2	0.2	95.2	3.5	0.0	0.1	2,171
Kambe/Ribe	2.0	4.0	0.7	0.7	86.7	5.2	0.1	0.6	1,937
Rabai/Kisurutini	0.7	10.3	1.1	0.7	60.6	26.2	0.0	0.5	5,128
Ganze Constituency	0.1	0.5	0.1	0.2	94.2	4.7	0.1	0.1	11,193
Ganze	0.1	0.9	0.1	0.3	94.0	4.6	0.0	0.0	2,368
Bamba	0.1	0.5	0.2	0.3	92.2	6.8	0.0	0.0	3,140
Jaribuni	0.1	0.2	0.1	0.3	96.8	2.3	0.1	0.1	2,238
Sokoike	0.0	0.5	0.1	0.2	94.6	4.4	0.1	0.1	3,447
Malindi Constituency	1.7	13.3	3.6	0.9	36.9	42.5	0.1	1.0	23,768
Jilore	0.6	1.4	0.2	0.3	89.2	8.1	0.1	0.1	1,618
Kakuyuni	0.2	2.9	0.2	0.2	93.9	2.4	0.1	0.1	1,611
Ganda	0.5	1.3	0.3	0.2	90.6	7.0	0.0	0.0	3,321
Malindi Town	2.0	20.6	4.7	1.1	15.0	54.8	0.0	1.7	10,037
Shella	2.4	13.8	5.0	1.3	18.1	58.4	0.1	1.0	7,181
Magarini Constituency	0.7	1.9	0.9	0.5	86.0	9.7	0.0	0.2	18,347
Marafa	0.0	1.6	0.2	0.1	92.1	5.9	0.0	0.2	1,775
Magarini	0.2	0.8	0.5	0.3	93.5	4.5	0.1	0.2	3,730
Gongoni	0.5	3.7	0.1	0.4	78.5	16.4	0.0	0.3	3,599
Adu	0.4	0.8	0.2	0.1	89.1	9.1	0.1	0.2	4,853
Garashi	0.0	0.3	0.1	0.2	97.1	2.0	0.0	0.3	2,344
Sabaki	4.3	5.5	6.2	2.9	60.0	20.8	0.0	0.2	2,046

Table 14.11: 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
Kilifi County	0.7	5.4	2.2	0.8	72.6	18.0	0.1	0.2	62,381
Kilifi North Constituency	0.7	3.9	2.2	1.1	69.3	22.6	0.0	0.2	11,245
Tezo	0.4	0.9	0.5	0.3	94.4	3.5	0.1	-	1,170
Sokoni	0.8	6.9	4.2	0.9	32.0	54.8	-	0.4	2,757

Kibarani	0.3	0.4	1.2	0.5	91.1	6.5	-	0.1	1,285
Dabaso	0.3	1.9	2.3	0.6	85.6	9.1	0.1	0.2	1,124
Matsangoni	-	0.5	0.5	0.3	95.0	3.6	0.1	-	1,636
Watamu	2.2	10.9	4.5	3.2	48.0	31.1	-	0.1	1,368
Mnarani	0.6	2.9	0.7	1.7	76.6	16.7	-	0.6	1,905
Kilifi South Constituency	1.3	13.4	4.6	1.3	64.3	14.7	0.1	0.2	11,773
Junju	0.3	2.2	1.0	0.9	88.3	7.2	-	0.1	1,733
Mwarakaya	0.3	0.2	0.1	0.3	98.0	1.2	-	-	1,972
Shimo La Tewa	3.2	32.1	12.2	3.1	17.3	31.4	0.3	0.5	3,936
Chasimba	0.0	1.6	0.0	0.2	97.1	0.9	-	-	2,192
Mtepeni	0.8	12.5	2.4	0.3	67.0	16.9	0.1	-	1,940
Kaloleni Constituency	0.3	2.3	0.7	0.4	78.9	17.2	0.1	0.2	8,671
Mariakani	0.5	5.7	1.8	0.5	46.7	44.4	0.1	0.2	2,500
Kayafungo	0.2	1.2	0.1	0.2	96.4	1.7	-	0.3	1,892
Kaloleni	0.2	1.0	0.4	0.4	87.5	10.1	0.2	0.1	3,125
Mwanamwanga	-	0.3	0.3	0.3	96.7	2.5	-	-	1,154
Rabai Constituency	0.4	5.4	0.5	0.4	79.1	14.0	0.0	0.1	5,031
Mwawesa	0.1	0.1	0.4	0.3	95.2	3.7	-	0.1	756
Ruruma	-	0.2	0.3	0.6	96.8	2.1	-	-	1,205
Kambe/Ribe	0.8	1.0	-	0.2	95.2	2.7	-	0.1	922
Rabai/Kisurutini	0.6	12.1	0.9	0.5	56.5	29.2	0.0	0.1	2,148
Ganze Constituency	0.0	0.3	0.1	0.2	96.2	3.2	0.0	0.1	8,645
Ganze	0.0	0.2	0.0	0.1	96.0	3.6	-	-	2,094
Bamba	-	0.3	0.2	0.3	94.6	4.5	-	0.2	2,270
Jaribuni	-	0.3	0.1	0.3	98.0	1.3	-	-	1,524
Soko	-	0.2	0.0	0.1	96.7	2.9	0.0	0.0	2,757
Malindi Constituency	1.6	8.5	4.3	1.3	43.2	40.7	0.1	0.3	9,414
Jilore	0.2	0.3	-	-	95.5	3.8	-	0.3	1,114
Kakuyuni	-	2.3	0.1	0.2	95.1	2.2	0.1	-	927
Ganda	0.2	0.7	0.2	-	92.7	6.0	0.2	0.1	1,151
Malindi Town	2.4	14.9	6.8	1.7	16.1	57.6	0.1	0.5	3,654

Shella	2.4	8.8	5.9	2.2	18.1	62.3	-	0.3	2,568
Magarini Constituency	0.4	1.1	0.7	0.7	88.1	8.8	0.0	0.2	7,602
Marafa	-	0.6	-	0.4	95.1	3.5	0.1	0.2	819
Magarini	0.1	0.6	0.2	0.5	92.8	5.9	-	-	1,546
Gongoni	0.1	2.3	0.1	0.3	79.9	17.1	0.1	0.2	1,405
Adu	0.2	0.4	0.1	0.1	91.2	7.8	-	0.4	1,946
Garashi	0.2	0.1	-	0.4	97.6	1.5	-	0.2	1,230
Sabaki	3.5	3.8	7.6	5.0	58.8	20.9	0.2	0.2	656

Table 14.12: 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
Kilifi County	16.5	0.7	16.7	63.0	0.5	1.8	0.6	0.3	128,348
Kilifi North Constituency	18.8	0.8	21.3	57.4	0.4	0.3	0.6	0.3	24,373
Tezo	4.0	0.6	18.4	74.8	0.5	0.7	1.0	0.1	2,605
Sokoni	35.5	1.1	27.8	34.2	0.3	0.2	0.3	0.6	5,771
Kibarani	5.5	0.4	16.6	75.3	0.7	0.4	0.8	0.2	2,183
Dabaso	11.2	0.3	25.3	61.3	0.4	0.3	1.0	0.2	2,866
Matsangoni	1.6	0.2	15.7	80.5	0.3	0.6	0.9	0.0	3,048
Watamu	33.2	1.8	24.3	39.3	0.4	0.2	0.4	0.5	3,812
Mnarani	18.2	0.6	15.5	64.4	0.5	0.1	0.6	0.3	4,088
Kilifi South Constituency	23.7	0.7	14.5	59.5	0.5	0.2	0.4	0.5	24,035
Junju	8.2	0.5	16.1	73.8	0.6	0.1	0.4	0.2	3,935
Mwarakaya	1.0	0.2	4.9	92.0	1.1	0.4	0.3	0.0	2,522
Shimo La Tewa	49.5	1.1	17.7	29.8	0.3	0.1	0.4	1.0	9,763
Chasimba	0.6	0.3	5.1	92.6	0.7	0.4	0.3	0.1	2,850
Mtepeni	17.1	0.6	20.0	61.2	0.2	0.1	0.5	0.3	4,965
Kaloleni Constituency	13.3	0.5	13.7	70.7	0.5	0.4	0.7	0.1	15,784
Mariakani	30.2	0.6	17.6	50.0	0.5	0.2	0.6	0.3	5,852
Kayafungo	1.7	0.2	11.1	85.3	0.6	0.5	0.5	0.1	2,777
Kaloleni	7.4	0.6	13.4	76.7	0.4	0.5	1.0	0.1	5,444
Mwanamwinga	0.5	0.3	7.8	89.2	0.7	0.8	0.7	0.0	1,711
Rabai Constituency	9.5	0.5	10.8	77.6	0.4	0.2	0.8	0.2	10,848

Mwawesa	0.9	0.4	5.8	91.4	0.2	0.1	1.2	0.0	1,612
Ruruma	0.8	0.4	8.7	88.1	0.7	0.1	1.1	0.1	2,171
Kambe/Ribe	11.2	0.2	8.4	78.5	0.6	0.2	0.8	0.1	1,937
Rabai/Kisurutini	15.7	0.7	14.4	68.0	0.3	0.2	0.5	0.3	5,128
Ganze Constituency	1.9	0.3	10.1	80.2	0.6	6.3	0.4	0.2	11,193
Ganze	2.1	0.5	11.3	81.8	0.5	3.2	0.4	0.2	2,368
Bamba	3.3	0.4	11.0	78.6	0.5	5.4	0.4	0.4	3,140
Jaribuni	0.9	0.2	8.0	88.2	0.5	1.9	0.3	0.1	2,238
Soko	1.1	0.1	9.6	75.7	0.7	12.1	0.5	0.2	3,447
Malindi Constituency	29.4	1.4	21.9	45.1	0.5	0.7	0.4	0.5	23,768
Jilore	2.7	0.4	12.5	77.8	0.4	4.9	0.9	0.3	1,618
Kakuyuni	0.6	0.1	16.1	81.8	0.6	0.2	0.6	0.0	1,611
Ganda	3.4	0.2	24.6	70.2	0.4	0.3	0.7	0.1	3,321
Malindi Town	39.5	1.7	25.0	31.9	0.6	0.2	0.2	0.9	10,037
Shella	42.3	2.0	20.3	33.4	0.4	0.6	0.4	0.5	7,181
Magarini Constituency	5.4	0.4	18.2	68.6	0.3	6.2	0.6	0.2	18,347
Marafa	0.5	0.2	23.4	61.2	0.2	13.6	0.4	0.4	1,775
Magarini	4.4	0.2	17.0	76.9	0.3	0.4	0.6	0.1	3,730
Gongoni	7.0	0.7	25.9	63.2	0.3	1.3	1.2	0.3	3,599
Adu	1.4	0.3	13.0	69.8	0.5	14.2	0.5	0.3	4,853
Garashi	0.1	0.3	14.9	78.7	0.3	5.3	0.3	0.1	2,344
Sabaki	25.9	1.0	18.6	53.4	0.3	0.1	0.4	0.2	2,046

Table 14.13: 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
Kilifi County	17.5	0.8	17.8	60.7	0.4	1.8	0.6	0.4	128,348
Kilifi North Constituency	19.8	0.8	22.0	55.6	0.4	0.3	0.7	0.4	24,373
Tezo	4.2	0.7	18.8	73.9	0.5	0.8	1.1	0.0	2,605
Sokoni	36.6	1.0	28.6	32.1	0.3	0.2	0.4	0.7	5,771
Kibarani	6.4	0.4	17.2	73.7	0.7	0.3	1.0	0.3	2,183
Dabaso	12.1	0.3	26.5	59.1	0.5	0.3	1.0	0.2	2,866
Matsangoni	1.6	0.3	15.4	80.8	0.4	0.5	1.0	0.0	3,048
Watamu	33.4	1.7	24.9	38.5	0.4	0.1	0.5	0.5	3,812

Mnarani	19.4	0.6	16.0	62.4	0.5	0.1	0.6	0.4	4,088
Kilifi South Constituency	24.7	0.7	16.0	56.9	0.4	0.1	0.5	0.6	24,035
Junju	8.9	0.6	17.7	71.3	0.7	0.1	0.5	0.3	3,935
Mwarakaya	1.0	0.3	4.9	92.1	1.0	0.3	0.4	0.0	2,522
Shimo La Tewa	47.7	1.1	18.4	30.8	0.3	0.1	0.5	1.1	9,763
Chasimba	0.6	0.4	6.0	91.6	0.6	0.3	0.4	0.1	2,850
Mtepeni	17.6	0.6	21.5	58.9	0.2	0.1	0.6	0.4	4,965
Kaloleni Constituency	15.1	0.6	14.7	67.8	0.4	0.4	0.8	0.2	15,784
Mariakani	32.1	0.5	18.2	47.4	0.4	0.3	0.7	0.3	5,852
Kayafungo	1.9	0.3	12.3	83.8	0.6	0.4	0.6	0.1	2,777
Kaloleni	8.2	0.7	14.4	74.7	0.3	0.5	1.0	0.1	5,444
Mwanamwinga	0.5	0.5	7.8	89.3	0.6	0.7	0.6	0.0	1,711
Rabai Constituency	10.4	0.5	11.1	76.4	0.4	0.2	0.9	0.2	10,848
Mwawesa	0.9	0.4	5.7	91.1	0.2	0.1	1.6	0.0	1,612
Ruruma	1.1	0.6	9.9	86.3	0.7	0.1	1.3	0.1	2,171
Kambe/Ribe	13.4	0.2	8.8	75.6	0.6	0.3	1.0	0.1	1,937
Rabai/Kisurutini	16.2	0.6	14.1	67.8	0.3	0.2	0.5	0.4	5,128
Ganze Constituency	2.4	0.4	10.8	78.4	0.6	6.7	0.5	0.3	11,193
Ganze	2.4	0.5	12.2	80.2	0.6	3.4	0.4	0.3	2,368
Bamba	4.0	0.5	11.6	77.2	0.6	5.2	0.4	0.4	3,140
Jaribuni	1.3	0.3	8.5	87.3	0.4	1.9	0.4	0.0	2,238
Sokoke	1.6	0.2	10.4	72.6	0.8	13.3	0.7	0.3	3,447
Malindi Constituency	29.3	1.5	22.9	44.1	0.5	0.6	0.5	0.6	23,768
Jilore	4.0	0.4	13.8	75.5	0.5	4.3	1.2	0.4	1,618
Kakuyuni	0.6	0.2	16.6	81.3	0.4	0.2	0.7	0.0	1,611
Ganda	3.6	0.2	26.2	68.3	0.5	0.3	0.8	0.1	3,321
Malindi Town	38.3	1.8	25.9	32.2	0.5	0.2	0.3	0.9	10,037
Shella	40.8	2.3	20.8	34.0	0.4	0.7	0.5	0.6	7,181
Magarini Constituency	5.5	0.4	18.7	67.7	0.4	6.4	0.7	0.2	18,347
Marafa	0.5	0.2	23.9	61.6	0.3	12.6	0.4	0.5	1,775
Magarini	4.1	0.2	17.4	76.8	0.3	0.4	0.7	0.1	3,730
Gongoni	7.3	0.7	27.3	62.0	0.3	1.0	1.2	0.2	3,599
Adu	1.6	0.2	12.9	68.2	0.5	15.7	0.6	0.3	4,853
Garashi	0.0	0.3	15.2	77.9	0.3	5.8	0.4	0.1	2,344
Sabaki	25.4	1.0	19.2	53.3	0.4	0.1	0.4	0.3	2,046

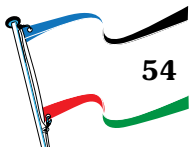


Table 14.14: Lighting Fuel for Female Headed Households by County, Constituency and Wards

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
Kilifi County	14.4	0.6	14.4	67.6	0.5	1.8	0.4	0.2	62,381
Kilifi North Constituency	16.7	0.8	19.8	61.4	0.4	0.4	0.5	0.2	11,245
Tezo	3.4	0.4	17.4	76.8	0.5	0.5	0.9	0.1	1,170
Sokoni	33.2	1.3	26.1	38.6	0.4	0.1	0.1	0.3	2,757
Kibarani	3.9	0.5	15.6	78.1	0.5	0.6	0.6	0.2	1,285
Dabaso	9.1	0.2	22.3	67.0	0.2	0.2	1.0	0.1	1,124
Matsangoni	1.7	0.2	16.4	79.9	0.2	0.9	0.7	0.1	1,636
Watamu	32.7	2.2	22.5	41.4	0.4	0.4	0.1	0.3	1,368
Mnarani	15.4	0.4	14.4	68.6	0.5	0.2	0.5	-	1,905
Kilifi South Constituency	21.8	0.6	11.4	64.8	0.6	0.3	0.3	0.3	11,773
Junju	6.5	0.3	12.6	79.6	0.5	0.1	0.3	0.1	1,733
Mwarakaya	1.0	0.2	4.8	91.9	1.4	0.6	0.2	-	1,972
Shimo La Tewa	53.8	1.1	16.0	27.4	0.4	0.2	0.3	0.7	3,936
Chasimba	0.5	0.2	3.8	93.9	0.9	0.5	0.1	0.1	2,192
Mtepeni	15.6	0.4	16.4	66.9	0.3	0.1	0.3	0.1	1,940
Kaloleni Constituency	10.0	0.4	11.9	76.0	0.6	0.5	0.7	0.1	8,671
Mariakani	25.8	0.6	16.1	56.2	0.7	0.2	0.3	0.2	2,500
Kayafungo	1.4	0.2	9.2	87.4	0.7	0.6	0.4	0.1	1,892
Kaloleni	6.0	0.4	11.5	80.1	0.4	0.5	1.1	0.0	3,125
Mwanamwinga	0.5	0.1	7.8	89.1	0.9	1.0	0.7	-	1,154
Rabai Constituency	7.7	0.6	10.3	80.3	0.5	0.1	0.4	0.1	5,031
Mwawesa	1.1	0.5	6.0	92.1	-	-	0.4	-	756
Ruruma	0.4	0.2	6.6	91.2	0.7	0.1	0.7	-	1,205
Kambe/Ribe	6.6	0.3	7.5	84.4	0.7	0.1	0.4	-	922
Rabai/Kisurutini	14.6	0.8	15.1	68.4	0.4	0.1	0.3	0.2	2,148
Ganze Constituency	1.3	0.2	9.2	82.6	0.5	5.8	0.3	0.1	8,645

Ganze	1.8	0.5	10.2	83.6	0.5	2.9	0.3	0.2	2,094
Bamba	2.3	0.2	10.2	80.6	0.4	5.7	0.3	0.2	2,270
Jaribuni	0.5	0.1	7.2	89.6	0.7	1.8	0.2	0.1	1,524
Sokoke	0.6	0.1	8.6	79.6	0.4	10.4	0.2	0.0	2,757
Malindi Constituency	29.8	1.0	19.2	47.7	0.6	0.9	0.3	0.4	9,414
Jilore	0.8	0.5	10.7	81.2	0.4	5.8	0.4	0.1	1,114
Kakuyuni	0.6	-	15.2	82.6	0.8	0.3	0.4	-	927
Ganda	2.7	0.2	20.1	75.8	0.3	0.3	0.7	-	1,151
Malindi Town	42.7	1.4	22.7	31.2	0.8	0.1	0.2	0.8	3,654
Shella	46.7	1.4	18.9	31.6	0.5	0.3	0.4	0.2	2,568
Magarini Constituency	5.0	0.5	17.0	71.0	0.3	5.6	0.6	0.2	7,602
Marafa	0.6	0.2	22.2	60.4	0.1	15.9	0.4	0.1	819
Magarini	5.3	0.3	16.1	77.0	0.3	0.4	0.6	0.1	1,546
Gongoni	6.2	0.8	22.3	66.4	0.4	1.9	1.4	0.6	1,405
Adu	1.0	0.4	13.3	73.8	0.5	10.6	0.3	0.2	1,946
Garashi	0.2	0.4	14.3	80.4	0.2	4.3	0.2	-	1,230
Sabaki	27.7	1.2	16.9	53.5	0.2	-	0.5	-	656

Table 14.15: 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
Kilifi County	32.4	1.1	0.3	65.0	1.2	190,729
Kilifi North Constituency	36.7	1.1	0.3	58.1	3.8	35,618
Tezo	22.1	0.2	0.2	74.8	2.7	3,775
Sokoni	53.6	1.4	0.3	31.7	13.0	8,528
Kibarani	15.7	0.4	0.5	83.3	0.1	3,468
Dabaso	30.9	1.6	0.2	67.3	0.0	3,990
Matsangoni	13.1	0.2	0.1	86.5	0.1	4,684
Watamu	60.3	2.7	0.3	36.2	0.5	5,180
Mnarani	36.1	0.9	0.1	61.2	1.7	5,993

Kilifi South Constituency	40.6	2.3	0.3	55.7	1.1	35,808
Junju	26.3	0.6	0.5	72.2	0.4	5,668
Mwarakaya	6.9	0.1	0.3	92.3	0.4	4,494
Shimo La Tewa	70.6	5.0	0.3	22.2	2.0	13,699
Chasimba	6.1	0.1	0.2	93.6	0.1	5,042
Mtepeni	40.0	1.2	0.2	57.2	1.3	6,905
Kaloleni Constituency	27.2	0.9	0.2	71.6	0.1	24,455
Mariakani	55.2	2.3	0.3	42.0	0.2	8,352
Kayafungo	6.7	0.1	0.2	93.0	0.1	4,669
Kaloleni	18.8	0.2	0.2	80.6	0.1	8,569
Mwanamwinga	3.6	0.1	0.1	96.0	0.1	2,865
Rabai Constituency	25.0	0.5	0.2	73.0	1.2	15,879
Mwawesa	8.4	0.2	0.3	91.0	0.1	2,368
Ruruma	9.3	0.1	0.2	90.1	0.2	3,376
Kambe/Ribe	23.2	0.7	0.3	75.5	0.3	2,859
Rabai/Kisurutini	38.5	0.7	0.1	58.3	2.4	7,276
Ganze Constituency	6.5	0.1	0.2	93.1	0.2	19,838
Ganze	8.3	0.1	0.1	91.4	-	4,462
Bamba	6.7	0.1	0.2	92.7	0.3	5,410
Jaribuni	4.6	0.1	0.2	94.9	0.1	3,762
Sokoke	6.2	0.0	0.2	93.5	0.1	6,204
Malindi Constituency	55.7	1.5	0.3	42.0	0.6	33,182
Jilore	10.5	0.1	0.3	88.7	0.4	2,732
Kakuyuni	7.3	0.0	0.1	92.5	0.1	2,538
Ganda	16.0	0.3	0.2	83.3	0.2	4,472
Malindi Town	73.7	1.5	0.1	24.4	0.3	13,691
Shella	74.1	2.6	0.6	21.5	1.3	9,749
Magarini Constituency	14.8	0.5	0.3	83.9	0.4	25,949
Marafa	8.4	0.0	0.2	90.9	0.5	2,594
Magarini	13.0	0.3	0.2	86.4	0.1	5,276
Gongoni	22.9	0.2	0.3	75.7	0.9	5,004
Adu	9.3	0.1	0.3	90.1	0.3	6,799
Garashi	3.1	0.1	0.4	96.1	0.3	3,574
Sabaki	39.4	3.6	0.3	56.3	0.4	2,702

Table 14.16: Main Material of the Floor in Male and Female Headed Households by County, Constituency and Ward

County/Constituency/ wards	Cement	Tiles	Wood	Earth	Other	House-holds		County/ Constituency/ wards	Cement	Tiles	Wood	Earth	Oth-er	House-holds
Kenya	42.8	1.6	0.8	54.2	0.6	5,762,320		Kenya	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		Rural	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		Urban	69.0	3.6	0.9	25.8	0.8	904,797
Kilifi County	34.7	1.1	0.3	62.7	1.2	128,348		Kilifi County	27.7	1.1	0.2	69.7	1.2	62,381
Kilifi North Constituency	38.3	1.2	0.3	56.5	3.7	24,373		Kilifi North Constituency	33.4	1.0	0.3	61.5	3.9	11,245
Tezo	22.9	0.2	0.1	74.2	2.6	2,605		Tezo	20.3	0.3	0.5	76.0	3.0	1,170
Sokoni	54.9	1.4	0.4	30.4	12.9	5,771		Sokoni	51.0	1.2	0.3	34.3	13.2	2,757
Kibarani	16.9	0.3	0.5	82.1	0.0	2,183		Kibarani	13.5	0.5	0.5	85.2	0.2	1,285
Dabaso	32.6	1.7	0.2	65.5	-	2,866		Dabaso	26.6	1.3	-	72.0	0.1	1,124
Matsangoni	12.5	0.2	0.1	87.1	0.1	3,048		Matsangoni	14.1	0.2	0.2	85.5	-	1,636
Watamu	60.9	3.0	0.3	35.3	0.5	3,812		Watamu	58.7	1.8	0.4	38.7	0.4	1,368
Mnarani	38.0	0.8	0.1	59.3	1.8	4,088		Mnarani	32.1	1.1	0.1	65.3	1.4	1,905
Kilifi South Constituency	43.8	2.1	0.3	52.7	1.0	24,035		Kilifi South Constituency	34.0	2.5	0.3	61.8	1.4	11,773
Junju	28.7	0.7	0.5	69.5	0.6	3,935		Junju	20.7	0.5	0.4	78.3	0.2	1,733
Mwarakaya	7.3	0.1	0.4	91.8	0.4	2,522		Mwarakaya	6.4	0.1	0.3	92.8	0.5	1,972
Shimo La Tewa	71.1	4.2	0.3	22.7	1.6	9,763		Shimo La Tewa	69.2	6.7	0.3	20.8	2.9	3,936
Chasimba	6.7	0.0	0.1	93.1	0.0	2,850		Chasimba	5.2	0.1	0.2	94.3	0.1	2,192
Mtepeni	41.8	1.3	0.3	55.4	1.2	4,965		Mtepeni	35.3	1.0	0.2	61.9	1.7	1,940
Kaloleni Constituency	30.3	0.9	0.2	68.5	0.1	15,784		Kaloleni Constituency	21.4	0.9	0.3	77.2	0.2	8,671
Mariakani	58.6	2.1	0.2	38.9	0.2	5,852		Mariakani	47.3	2.8	0.4	49.2	0.4	2,500
Kayafungo	6.8	0.1	0.1	92.9	0.1	2,777		Kayafungo	6.4	0.1	0.3	93.1	0.1	1,892
Kaloleni	20.3	0.3	0.2	79.2	0.1	5,444		Kaloleni	16.4	0.2	0.2	83.1	0.2	3,125

Mwanamwanga	3.5	0.1	0.2	96.1	0.1	1,711	Mwanamwanga	3.6	0.3	-	95.8	0.3	1,154
Rabai Constituency	25.4	0.6	0.2	72.8	1.0	10,848	Rabai Constituency	24.2	0.4	0.2	73.6	1.6	5,031
Mwawesa	8.4	0.2	0.1	91.1	0.1	1,612	Mwawesa	8.5	0.1	0.7	90.7	-	756
Ruruma	9.9	0.2	0.3	89.3	0.3	2,171	Ruruma	8.1	-	0.2	91.5	0.2	1,205
Kambe/Ribe	25.0	0.9	0.3	73.5	0.4	1,937	Kambe/Ribe	19.4	0.3	0.2	79.8	0.2	922
Rabai/Kisurutini	37.5	0.8	0.1	59.8	1.9	5,128	Rabai/Kisurutini	40.8	0.7	0.1	54.9	3.5	2,148
Ganze Constituency	7.5	0.1	0.2	92.0	0.2	11,193	Ganze Constituency	5.3	0.0	0.2	94.4	0.1	8,645
Ganze	9.2	0.2	0.1	90.5	-	2,368	Ganze	7.3	0.0	0.1	92.6	-	2,094
Bamba	7.8	0.1	0.2	91.5	0.4	3,140	Bamba	5.3	-	0.1	94.3	0.3	2,270
Jaribuni	5.1	0.0	0.3	94.3	0.2	2,238	Jaribuni	3.9	0.1	0.1	95.8	0.1	1,524
Sokoike	7.6	-	0.1	92.1	0.2	3,447	Sokoike	4.5	0.0	0.2	95.2	0.1	2,757
Malindi Constituency	57.0	1.5	0.3	40.7	0.6	23,768	Malindi Constituency	52.6	1.5	0.2	45.2	0.5	9,414
Jilore	12.7	0.1	0.4	86.4	0.3	1,618	Jilore	7.4	-	0.1	92.0	0.5	1,114
Kakuyuni	7.8	0.1	-	92.1	0.1	1,611	Kakuyuni	6.5	-	0.3	93.2	-	927
Ganda	16.7	0.3	0.3	82.5	0.2	3,321	Ganda	13.8	0.4	0.2	85.4	0.2	1,151
Malindi Town	73.5	1.4	0.1	24.7	0.3	10,037	Malindi Town	74.0	2.1	0.1	23.3	0.5	3,654
Shella	73.5	2.7	0.6	21.8	1.4	7,181	Shella	75.7	2.3	0.4	20.7	1.0	2,568
Magarini Constituency	15.3	0.6	0.3	83.4	0.4	18,347	Magarini Constituency	13.7	0.4	0.3	85.3	0.3	7,602
Marafa	8.7	0.1	0.2	90.7	0.3	1,775	Marafa	7.6	-	0.2	91.3	0.9	819
Magarini	12.4	0.3	0.2	86.9	0.2	3,730	Magarini	14.5	0.2	0.2	85.1	-	1,546
Gongoni	22.8	0.3	0.4	75.6	1.0	3,599	Gongoni	23.1	-	0.3	76.1	0.6	1,405
Adu	10.0	0.1	0.4	89.2	0.3	4,853	Adu	7.3	0.1	0.2	92.3	0.2	1,946
Garashi	3.3	0.1	0.4	95.8	0.3	2,344	Garashi	2.6	0.2	0.4	96.6	0.2	1,230
Sabaki	39.5	3.5	0.1	56.4	0.4	2,046	Sabaki	38.9	4.1	0.8	55.9	0.3	656

Table 14.17: 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
Kilifi County	41.7	1.0	1.7	2.5	7.4	44.5	0.2	0.0	1.1	190,729
Kilifi North Constituency	37.6	1.1	0.6	2.0	0.4	54.8	0.1	0.0	3.4	35,618
Tezo	25.3	0.3	0.1	1.4	0.3	72.5	0.1	0.1	0.0	3,775
Sokoni	57.3	0.9	0.4	2.4	0.2	25.8	0.1	0.0	12.9	8,528
Kibarani	23.3	1.2	0.1	2.7	1.0	71.6	0.0	0.0	0.1	3,468
Dabaso	32.5	0.9	0.5	1.3	0.2	64.6	0.1	0.0	0.0	3,990
Matsangoni	15.4	0.6	0.1	0.4	0.6	82.8	0.1	0.0	0.0	4,684
Watamu	53.0	0.8	2.1	2.3	0.2	41.5	0.0	0.1	0.0	5,180
Mnarani	33.2	2.5	0.5	3.2	0.6	58.3	0.0	0.1	1.6	5,993
Kilifi South Constituency	47.0	2.0	1.9	2.4	1.1	44.6	0.1	0.0	0.9	35,808
Junju	21.7	6.6	0.4	2.9	0.5	67.4	0.1	0.0	0.4	5,668
Mwarakaya	22.2	0.4	0.0	1.0	2.4	73.7	0.0	0.0	0.2	4,494
Shimo La Tewa	76.4	1.9	4.4	3.4	0.1	12.2	0.1	0.0	1.6	13,699
Chasimba	17.4	0.5	0.0	0.9	4.3	76.7	0.1	0.0	0.0	5,042
Mtepeni	47.2	0.7	0.6	2.0	0.3	47.9	0.1	0.0	1.2	6,905
Kaloleni Constituency	51.1	0.8	0.6	1.5	5.9	39.5	0.3	0.0	0.1	24,455
Mariakani	84.9	1.6	1.7	2.4	1.7	7.0	0.5	0.0	0.2	8,352
Kayafungo	39.1	0.2	0.0	1.3	17.2	41.9	0.2	0.0	0.1	4,669
Kaloleni	33.0	0.6	0.1	0.9	0.3	64.9	0.2	0.0	0.0	8,569
Mwanamwinga	26.7	0.6	0.0	1.3	16.5	54.4	0.2	0.1	0.2	2,865
Rabai Constituency	42.6	0.4	0.2	1.4	0.4	53.7	0.1	0.0	1.2	15,879
Mwawesa	24.0	0.4	0.0	1.9	0.5	73.0	0.0	0.0	0.0	2,368
Ruruma	24.0	0.4	0.0	0.9	0.4	74.1	0.0	0.1	0.1	3,376
Kambe/Ribe	47.6	0.2	0.0	0.6	0.9	50.2	0.2	0.0	0.3	2,859
Rabai/Kisurutini	55.3	0.4	0.5	1.8	0.2	39.4	0.1	0.0	2.4	7,276
Ganze Constituency	23.7	0.2	0.0	1.3	28.3	45.9	0.1	0.0	0.4	19,838
Ganze	24.5	0.2	0.0	1.7	30.7	42.6	0.0	0.0	0.1	4,462
Bamba	33.0	0.3	0.0	1.3	41.9	22.4	0.4	0.0	0.7	5,410
Jaribuni	16.0	0.2	0.0	0.6	26.9	56.2	0.0	0.0	0.1	3,762
Sokoike	19.7	0.3	0.0	1.5	15.5	62.5	0.0	0.0	0.5	6,204
Malindi Constituency	53.9	0.7	5.6	4.9	2.1	32.0	0.2	0.1	0.5	33,182

Jilore	28.8	0.4	0.0	3.1	17.9	49.2	0.0	0.0	0.5	2,732
Kakuyuni	18.4	0.4	0.0	6.8	6.3	68.0	0.0	0.0	0.1	2,538
Ganda	26.3	0.3	0.1	3.7	0.5	68.8	0.0	0.0	0.1	4,472
Malindi Town	71.5	0.6	8.0	2.9	0.2	16.5	0.1	0.0	0.3	13,691
Shella	58.1	1.2	7.9	8.3	0.2	22.6	0.5	0.2	1.2	9,749
Magarini Constituency	28.7	0.7	0.9	2.7	22.1	44.1	0.3	0.1	0.4	25,949
Marafa	26.9	0.2	0.0	1.8	47.2	23.2	0.0	0.1	0.5	2,594
Magarini	30.0	0.3	0.5	2.3	13.2	52.8	0.7	0.0	0.1	5,276
Gongoni	32.2	0.4	0.3	3.8	11.6	50.8	0.0	0.0	0.8	5,004
Adu	25.1	0.4	0.1	2.1	30.9	40.1	0.7	0.1	0.4	6,799
Garashi	21.7	0.7	0.1	1.4	30.7	45.1	0.0	0.2	0.2	3,574
Sabaki	39.6	3.2	6.8	5.4	1.4	43.5	0.0	0.1	0.1	2,702

Table 14.18: 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
Kilifi County	43.1	1.0	1.7	2.6	7.0	43.4	0.2	0.0	1.1	128,348
Kilifi North Constituency	38.8	1.2	0.6	2.1	0.3	53.4	0.1	0.0	3.4	24,373
Tezo	26.3	0.3	0.0	1.3	0.3	71.6	-	0.1	-	2,605
Sokoni	58.5	1.0	0.4	2.4	0.2	24.4	0.1	-	12.9	5,771
Kibarani	25.3	1.2	0.1	2.8	0.9	69.4	-	0.0	0.1	2,183
Dabaso	33.1	1.0	0.5	1.5	0.2	63.6	0.0	-	-	2,866
Matsangoni	14.5	0.6	-	0.5	0.4	83.8	0.1	0.1	0.1	3,048
Watamu	53.5	1.0	2.3	2.3	0.1	40.6	0.1	0.1	0.1	3,812
Mnarani	34.7	2.4	0.5	3.5	0.5	56.4	0.0	0.1	1.8	4,088
Kilifi South Constituency	49.4	2.2	1.8	2.5	0.8	42.3	0.1	0.0	0.8	24,035
Junju	23.1	7.5	0.5	2.7	0.5	65.0	0.1	0.0	0.6	3,935
Mwarakaya	20.7	0.5	-	1.1	2.2	75.3	0.0	-	0.2	2,522
Shimo La Tewa	77.6	1.8	3.8	3.5	0.0	11.9	0.1	-	1.3	9,763

Chasimba	16.9	0.4	0.0	1.1	3.4	78.1	0.1	0.0	-	2,850
Mtepeni	48.1	0.8	0.7	2.1	0.4	46.8	0.1	0.0	1.0	4,965
Kaloleni Constituency	52.8	0.9	0.6	1.5	5.3	38.5	0.2	0.0	0.1	15,784
Mariakani	86.0	1.5	1.5	2.4	1.4	6.7	0.3	0.0	0.2	5,852
Kayafungo	39.1	0.2	0.0	1.2	16.9	42.2	0.1	-	0.1	2,777
Kaloleni	33.1	0.7	0.1	0.8	0.3	64.7	0.2	0.0	0.0	5,444
Mwanamwinga	23.8	0.6	-	0.9	16.0	58.3	0.1	0.1	0.2	1,711
Rabai Constituency	42.6	0.4	0.2	1.3	0.4	54.0	0.1	0.0	1.0	10,848
Mwawesa	23.6	0.3	-	1.7	0.4	73.9	-	-	0.1	1,612
Ruruma	23.2	0.5	0.0	0.9	0.3	74.9	0.0	0.0	0.1	2,171
Kambe/Ribe	48.8	0.2	-	0.5	1.1	48.7	0.3	0.1	0.3	1,937
Rabai/Kisurutini	54.4	0.4	0.4	1.7	0.1	40.9	0.1	0.0	1.9	5,128
Ganze Constituency	23.2	0.3	0.0	1.4	29.4	45.2	0.1	0.0	0.4	11,193
Ganze	23.9	0.2	0.0	2.1	30.6	43.1	0.0	-	-	2,368
Bamba	31.2	0.3	-	1.2	42.7	23.3	0.5	-	0.8	3,140
Jaribuni	16.1	0.2	0.0	0.8	27.7	55.1	-	0.0	0.0	2,238
Soko	20.0	0.3	0.0	1.4	17.6	60.1	-	-	0.4	3,447
Malindi Constituency	55.2	0.7	5.4	4.9	1.8	31.2	0.2	0.1	0.6	23,768
Jilore	28.8	0.4	0.1	4.3	17.6	48.3	-	-	0.5	1,618
Kakuyuni	18.1	0.5	-	6.8	6.7	67.8	-	-	0.1	1,611
Ganda	27.6	0.3	0.1	3.7	0.6	67.5	0.0	0.0	0.1	3,321
Malindi Town	72.5	0.6	7.2	2.8	0.1	16.3	0.1	0.0	0.3	10,037
Shella	58.1	1.1	7.7	8.0	0.1	23.1	0.5	0.1	1.3	7,181
Magarini Constituency	28.6	0.8	0.9	2.8	22.1	44.0	0.3	0.1	0.4	18,347
Marafa	26.1	0.2	0.1	1.7	48.2	23.2	0.1	0.1	0.5	1,775
Magarini	30.3	0.4	0.4	2.4	13.3	52.3	0.6	0.1	0.1	3,730
Gongoni	32.4	0.4	0.4	4.1	10.8	51.0	0.0	-	0.9	3,599
Adu	24.5	0.5	0.1	2.3	31.6	39.6	0.8	0.1	0.5	4,853

Garashi	20.1	0.9	0.0	1.1	32.0	45.4	-	0.2	0.2	2,344
Sabaki	40.3	3.3	6.2	5.1	1.6	43.5	-	0.1	0.0	2,046

Table 14.19: 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
Kilifi County	38.9	0.8	1.7	2.3	8.2	46.7	0.2	0.0	1.1	62,381
Kilifi North Constituency	35.0	0.9	0.4	1.9	0.6	57.8	0.1	0.0	3.4	11,245
Tezo	23.1	0.1	0.2	1.6	0.3	74.6	0.2	-	-	1,170
Sokoni	54.8	0.7	0.3	2.6	0.1	28.5	0.1	0.0	12.9	2,757
Kibarani	20.0	1.1	0.1	2.4	1.2	75.2	-	-	-	1,285
Dabaso	30.7	0.4	0.5	0.7	0.4	67.2	0.1	-	-	1,124
Matsangoni	16.9	0.6	0.2	0.2	1.0	81.0	0.1	-	-	1,636
Watamu	51.6	0.4	1.5	2.1	0.4	44.1	-	-	-	1,368
Mnarani	30.0	2.6	0.3	2.6	0.7	62.4	-	0.1	1.3	1,905
Kilifi South Constituency	42.0	1.6	2.1	2.1	1.5	49.3	0.1	0.1	1.1	11,773
Junju	18.7	4.4	0.3	3.2	0.5	72.6	-	0.1	0.2	1,733
Mwarakaya	24.0	0.4	0.1	1.0	2.6	71.6	-	0.1	0.4	1,972
Shimo La Tewa	73.3	2.1	6.0	3.2	0.1	12.9	0.2	0.1	2.2	3,936
Chasimba	18.0	0.5	0.0	0.8	5.3	75.0	0.2	0.0	0.0	2,192
Mtepeni	44.9	0.5	0.4	1.6	0.1	50.7	0.1	0.1	1.7	1,940
Kaloleni Constituency	48.2	0.7	0.6	1.6	6.9	41.2	0.4	0.0	0.2	8,671
Mariakani	82.4	1.6	2.0	2.5	2.4	7.7	1.0	-	0.4	2,500
Kayafungo	39.1	0.3	0.1	1.4	17.5	41.3	0.2	-	0.2	1,892
Kaloleni	32.8	0.4	0.1	1.0	0.3	65.1	0.1	0.0	0.1	3,125
Mwanamwinga	30.9	0.6	0.1	1.7	17.2	48.6	0.5	-	0.3	1,154
Rabai Constituency	42.5	0.4	0.3	1.6	0.4	53.2	0.0	0.0	1.6	5,031
Mwawesa	24.9	0.7	0.1	2.2	0.8	71.2	0.1	-	-	756

Ruruma	25.4	0.2	-	1.1	0.4	72.8	-	0.1	-	1,205
Kambe/Ribe	45.1	0.2	0.1	0.7	0.4	53.3	-	-	0.2	922
Rabai/Kisurutini	57.2	0.4	0.5	2.0	0.2	36.0	-	-	3.6	2,148
Ganze Constituency	24.4	0.2	0.0	1.2	26.8	46.8	0.1	0.0	0.4	8,645
Ganze	25.2	0.2	0.0	1.3	30.9	42.1	-	0.0	0.2	2,094
Bamba	35.5	0.3	-	1.4	40.7	21.2	0.2	0.1	0.5	2,270
Jaribuni	15.8	0.2	-	0.3	25.9	57.7	0.1	-	0.1	1,524
Sokoike	19.4	0.3	0.0	1.5	12.8	65.4	-	0.0	0.5	2,757
Malindi Constituency	50.5	0.6	6.2	5.0	2.9	34.0	0.2	0.1	0.5	9,414
Jilore	28.8	0.4	-	1.4	18.3	50.4	0.1	-	0.5	1,114
Kakuyuni	18.9	0.3	-	6.8	5.7	68.2	-	-	0.1	927
Ganda	22.7	0.3	0.3	3.7	0.3	72.5	0.1	-	-	1,151
Malindi Town	68.6	0.4	10.0	3.1	0.2	17.3	0.0	0.0	0.3	3,654
Shella	58.1	1.2	8.5	9.2	0.3	21.0	0.5	0.2	1.1	2,568
Magarini Constituency	28.9	0.5	1.0	2.5	22.1	44.3	0.3	0.1	0.3	7,602
Marafa	28.7	0.2	-	2.1	45.1	23.2	-	0.1	0.6	819
Magarini	29.4	0.2	0.8	2.1	13.0	53.9	0.7	-	-	1,546
Gongoni	31.7	0.4	0.2	3.0	13.7	50.5	-	0.1	0.5	1,405
Adu	26.7	0.3	0.1	1.6	29.2	41.4	0.5	-	0.2	1,946
Garashi	24.6	0.3	0.1	2.0	28.1	44.5	-	0.2	0.2	1,230
Sabaki	37.2	2.9	8.8	6.6	0.8	43.6	-	-	0.2	656

Table 14.20: 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
Kilifi County	10.4	22.8	53.6	8.1	2.2	0.3	1.3	0.1	1.3	190,729
Kilifi North Constituency	13.1	27.3	45.4	6.2	3.2	0.4	0.9	0.0	3.6	35,618
Tezo	8.7	20.3	61.7	5.7	1.4	0.1	1.3	0.1	0.8	3,775

Sokoni	26.3	32.5	23.8	3.3	0.8	0.4	0.1	0.0	12.9	8,528
Kibarani	4.0	13.7	71.4	6.8	3.4	0.0	0.5	0.0	0.2	3,468
Dabaso	7.3	25.3	54.3	4.0	7.9	0.3	0.8	0.0	0.1	3,990
Matsangoni	4.9	15.9	61.1	5.5	10.2	0.2	1.4	0.0	0.7	4,684
Watamu	10.6	50.1	23.2	11.4	1.4	1.2	2.0	0.1	0.1	5,180
Mnarani	14.6	23.0	51.7	7.7	0.5	0.1	0.5	0.1	1.8	5,993
Kilifi South Constituency	12.7	33.2	43.1	8.1	0.2	0.5	0.8	0.1	1.3	35,808
Junju	5.6	25.6	56.8	10.7	0.1	0.1	0.5	0.0	0.4	5,668
Mwarakaya	2.9	8.6	76.9	9.5	0.4	0.2	1.3	0.0	0.2	4,494
Shimo La Tewa	22.8	53.6	14.8	5.6	0.2	0.8	0.2	0.1	1.9	13,699
Chasimba	1.6	10.7	74.9	9.5	0.2	0.2	2.9	0.1	0.0	5,042
Mtepeni	13.1	31.7	42.7	8.9	0.1	0.6	0.2	0.2	2.5	6,905
Kaloleni Constituency	10.8	13.3	62.0	12.1	0.8	0.3	0.3	0.1	0.4	24,455
Mariakani	22.6	24.1	37.1	14.2	0.2	0.7	0.2	0.1	0.9	8,352
Kayafungo	2.5	2.5	80.2	11.1	2.9	0.1	0.5	0.1	0.1	4,669
Kaloleni	7.2	12.4	69.4	9.9	0.5	0.2	0.3	0.0	0.1	8,569
Mwanamwinga	0.9	1.6	82.5	13.6	0.3	0.1	0.7	0.0	0.1	2,865
Rabai Constituency	12.7	13.7	60.7	7.9	3.1	0.2	0.3	0.1	1.3	15,879
Mwawesa	4.4	8.7	66.1	5.2	15.2	0.0	0.3	0.0	0.0	2,368
Ruruma	6.7	5.2	79.3	4.8	3.5	0.1	0.1	0.0	0.3	3,376
Kambe/Ribe	8.4	18.5	61.7	9.4	0.3	0.3	0.7	0.2	0.3	2,859
Rabai/Kisurutini	19.9	17.3	50.0	9.6	0.1	0.3	0.1	0.1	2.5	7,276
Ganze Constituency	1.6	4.1	82.6	8.6	0.8	0.1	1.9	0.0	0.3	19,838
Ganze	1.1	5.6	77.3	14.4	0.2	0.0	0.9	0.0	0.5	4,462
Bamba	2.0	3.2	84.0	7.5	0.3	0.1	2.4	0.0	0.4	5,410
Jaribuni	1.6	5.3	80.4	10.0	0.3	0.1	2.1	0.1	0.1	3,762
Sokoke	1.7	3.2	86.4	4.5	1.9	0.2	2.0	0.0	0.1	6,204
Malindi Constituency	14.3	39.0	34.9	8.3	1.9	0.4	0.7	0.0	0.5	33,182
Jilore	1.6	7.0	81.5	7.2	0.5	0.1	1.5	0.0	0.5	2,732
Kakuyuni	1.5	6.2	83.6	6.2	0.6	0.1	1.9	0.0	0.1	2,538
Ganda	6.5	13.4	60.8	7.8	9.7	0.3	1.3	0.1	0.2	4,472

Malindi Town	16.0	54.0	20.8	8.0	0.5	0.3	0.2	0.1	0.3	13,691
Shella	22.4	47.1	17.0	9.7	1.0	0.8	0.7	0.0	1.1	9,749
Magarini Constituency	3.8	10.1	68.8	6.2	5.7	0.2	4.8	0.1	0.4	25,949
Marafa	0.8	3.3	82.3	7.6	2.1	0.0	3.4	0.0	0.3	2,594
Magarini	3.1	10.9	77.7	4.1	2.9	0.1	0.9	0.0	0.3	5,276
Gongoni	5.3	16.6	46.8	7.4	18.8	0.2	4.0	0.1	0.8	5,004
Adu	2.6	4.7	69.7	7.8	2.6	0.3	11.8	0.2	0.4	6,799
Garashi	0.6	1.3	90.2	2.9	2.7	0.0	2.1	0.0	0.2	3,574
Sabaki	12.2	28.7	48.1	7.3	2.0	0.2	1.2	0.0	0.3	2,702

Table 14.21: 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
Kilifi County	11.0	24.3	51.2	8.0	2.3	0.4	1.4	0.1	1.3	128,348
Kilifi North Constituency	13.4	28.2	43.8	6.0	3.4	0.5	1.0	0.0	3.7	24,373
Tezo	8.7	21.3	59.7	5.9	1.6	0.1	1.6	0.0	1.1	2,605
Sokoni	26.9	32.5	23.1	3.2	0.8	0.5	0.1	0.0	12.9	5,771
Kibarani	4.0	14.6	70.8	6.6	3.2	0.0	0.6	-	0.2	2,183
Dabaso	7.0	26.8	53.0	4.1	7.6	0.4	0.9	-	0.1	2,866
Matsangoni	4.8	15.1	59.9	5.1	12.0	0.3	1.7	0.1	1.0	3,048
Watamu	11.2	50.3	22.5	10.8	1.5	1.4	2.2	0.1	0.1	3,812
Mnarani	15.4	24.0	49.9	7.5	0.5	0.1	0.5	0.1	2.0	4,088
Kilifi South Constituency	13.4	35.4	40.4	8.0	0.2	0.6	0.6	0.1	1.3	24,035
Junju	5.9	27.6	54.7	10.2	0.1	0.2	0.6	0.0	0.5	3,935
Mwarakaya	3.2	8.8	77.0	9.0	0.4	0.4	1.2	-	0.1	2,522
Shimo La Tewa	22.7	53.6	15.1	5.4	0.2	0.9	0.2	0.1	1.7	9,763
Chasimba	1.6	11.1	74.6	10.3	0.2	0.2	1.9	0.1	0.1	2,850
Mtepeni	13.0	33.4	40.7	9.3	0.1	0.8	0.2	0.2	2.3	4,965

Kaloleni Constituency	12.0	14.6	59.4	12.2	0.7	0.4	0.3	0.1	0.3	15,784
Mariakani	23.5	25.8	34.9	14.0	0.1	0.8	0.2	0.1	0.6	5,852
Kayafungo	2.5	2.7	80.2	11.1	2.7	0.1	0.5	0.1	0.1	2,777
Kaloleni	8.0	12.9	67.6	10.5	0.4	0.2	0.3	0.0	0.0	5,444
Mwanamwinga	1.0	1.3	83.2	13.2	0.4	0.1	0.8	0.1	0.1	1,711
Rabai Constituency	12.7	14.3	60.1	8.1	3.0	0.3	0.3	0.1	1.1	10,848
Mwawesa	4.7	8.3	66.8	5.4	14.5	0.1	0.2	-	0.1	1,612
Ruruma	7.1	5.6	77.8	5.1	3.7	0.1	0.2	0.0	0.4	2,171
Kambe/Ribe	8.6	20.2	59.4	9.6	0.4	0.4	0.8	0.3	0.4	1,937
Rabai/Kisurutini	19.2	17.6	50.7	9.6	0.1	0.4	0.1	0.2	2.1	5,128
Ganze Constituency	1.9	4.4	81.9	8.3	0.9	0.2	2.1	0.0	0.3	11,193
Ganze	1.1	6.0	77.4	13.3	0.3	0.1	1.1	-	0.5	2,368
Bamba	2.1	3.4	83.2	7.9	0.4	0.2	2.4	-	0.5	3,140
Jaribuni	1.8	5.6	80.7	8.8	0.3	0.1	2.5	0.1	0.0	2,238
Sokoke	2.3	3.5	84.8	4.7	2.1	0.2	2.3	-	0.1	3,447
Malindi Constituency	14.5	40.0	33.3	8.4	2.1	0.4	0.7	0.1	0.6	23,768
Jilore	1.5	8.9	80.1	6.6	0.6	0.2	1.7	-	0.5	1,618
Kakuyuni	1.4	6.1	82.6	7.1	0.6	0.1	1.9	-	0.1	1,611
Ganda	6.9	14.1	59.0	7.7	10.3	0.4	1.3	0.1	0.3	3,321
Malindi Town	15.7	54.0	21.1	8.1	0.5	0.2	0.1	0.1	0.2	10,037
Shella	22.1	47.1	16.9	9.8	1.2	0.8	0.8	0.0	1.2	7,181
Magarini Constituency	3.8	10.7	67.3	6.3	5.8	0.2	5.3	0.1	0.4	18,347
Marafa	0.8	3.1	81.5	8.1	2.4	0.1	3.8	-	0.2	1,775
Magarini	3.0	11.1	77.7	3.8	3.1	-	1.0	0.0	0.3	3,730
Gongoni	5.0	16.9	45.6	8.0	19.0	0.3	4.4	0.1	0.9	3,599
Adu	2.9	5.1	67.7	7.8	2.5	0.4	12.9	0.3	0.4	4,853
Garashi	0.7	1.3	89.6	2.9	2.9	-	2.2	0.0	0.3	2,344
Sabaki	11.7	29.7	47.9	6.9	2.1	0.2	1.4	0.0	0.1	2,046

Table 14.22: 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
Kilifi County	9.3	19.6	58.4	8.1	1.9	0.2	1.1	0.0	1.3	62,381
Kilifi North Constituency	12.3	25.5	48.8	6.4	2.8	0.1	0.5	0.0	3.5	11,245
Tezo	8.6	17.9	66.2	5.1	1.0	0.1	0.6	0.1	0.3	1,170
Sokoni	25.0	32.4	25.3	3.4	0.8	0.1	0.0	-	12.9	2,757
Kibarani	3.8	12.2	72.5	7.2	3.8	-	0.3	0.1	0.1	1,285
Dabaso	7.9	21.4	57.6	3.7	8.8	0.1	0.4	-	0.1	1,124
Matsangoni	5.1	17.5	63.3	6.2	6.8	0.1	0.8	-	0.2	1,636
Watamu	8.8	49.8	25.1	12.9	1.0	0.6	1.7	-	0.1	1,368
Mnarani	13.0	20.7	55.7	8.1	0.6	-	0.5	0.1	1.4	1,905
Kilifi South Constituency	11.4	28.8	48.5	8.3	0.2	0.2	1.2	0.1	1.4	11,773
Junju	5.0	21.2	61.4	11.8	0.1	-	0.3	-	0.2	1,733
Mwarakaya	2.5	8.3	76.9	10.0	0.4	0.1	1.4	-	0.4	1,972
Shimo La Tewa	23.3	53.5	14.1	5.9	0.1	0.3	0.3	0.1	2.4	3,936
Chasimba	1.6	10.3	75.3	8.5	0.1	0.1	4.2	-	-	2,192
Mtepeni	13.5	27.2	47.6	7.9	0.2	0.1	0.1	0.2	3.2	1,940
Kaloleni Constituency	8.6	10.8	66.7	11.8	1.0	0.2	0.3	0.0	0.5	8,671
Mariakani	20.4	20.3	42.3	14.7	0.2	0.4	0.2	0.1	1.4	2,500
Kayafungo	2.5	2.1	80.2	11.1	3.3	0.1	0.6	0.1	0.2	1,892
Kaloleni	5.9	11.6	72.5	9.1	0.5	0.1	0.2	0.0	0.1	3,125
Mwanamwinga	0.8	2.1	81.5	14.4	0.3	0.1	0.5	-	0.3	1,154
Rabai Constituency	12.7	12.4	62.2	7.5	3.3	0.1	0.2	0.0	1.6	5,031
Mwawesa	4.0	9.5	64.7	4.8	16.7	-	0.3	0.1	-	756
Ruruma	6.0	4.6	82.0	4.3	3.0	0.1	-	-	0.1	1,205
Kambe/Ribe	7.9	15.0	66.6	9.1	0.3	0.3	0.5	-	0.2	922
Rabai/Kisurutini	21.6	16.7	48.2	9.6	0.0	0.0	0.1	0.0	3.6	2,148
Ganze Constituency	1.3	3.7	83.4	9.0	0.6	0.1	1.6	0.1	0.3	8,645

Ganze	1.1	5.0	77.0	15.5	0.1	-	0.7	-	0.5	2,094
Bamba	1.8	3.0	85.2	6.9	0.2	0.0	2.4	0.1	0.4	2,270
Jaribuni	1.2	4.8	80.1	11.7	0.3	0.1	1.4	0.1	0.3	1,524
Soko	0.9	2.9	88.5	4.3	1.6	0.1	1.6	0.1	0.1	2,757
Malindi Constituency	13.9	36.4	38.8	8.0	1.4	0.4	0.6	0.0	0.5	9,414
Jilore	1.7	4.3	83.6	8.3	0.5	-	1.1	-	0.5	1,114
Kakuyuni	1.5	6.3	85.2	4.6	0.5	-	1.8	-	-	927
Ganda	5.1	11.5	66.1	8.0	8.1	-	1.2	-	-	1,151
Malindi Town	16.8	54.2	19.9	7.7	0.4	0.4	0.3	0.0	0.4	3,654
Shella	23.4	47.1	17.3	9.4	0.6	0.8	0.3	0.0	1.0	2,568
Magarini Constituency	3.6	8.8	72.2	5.9	5.3	0.1	3.6	0.0	0.3	7,602
Marafa	0.9	3.8	84.2	6.6	1.5	-	2.4	-	0.6	819
Magarini	3.3	10.5	77.6	4.9	2.5	0.2	0.7	0.1	0.3	1,546
Gongoni	6.2	16.0	49.8	5.9	18.3	0.1	3.1	-	0.5	1,405
Adu	1.7	3.6	74.8	7.6	2.8	0.2	8.8	0.1	0.3	1,946
Garashi	0.5	1.2	91.3	2.9	2.1	0.1	1.9	-	-	1,230
Sabaki	13.7	25.6	48.8	8.4	2.0	0.2	0.8	-	0.6	656

Table 14.23: Source of Water by County, Constituency and Ward

County/Constituency/Wards	Pond	Dam	Lake	Stream/ River	Unpro- tected Spring	Unpro- tected Well	Jabia	Water vendor	Oth- er	Unim- proved Sources	Protected Spring	Protected Well	Bore- hole	Piped into Dwelling	Piped	Rain Water Collec- tion	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
Kilifi County	4.8	11.9	0.3	5.2	1.1	7.5	0.5	4.5	0.3	36.3	1.0	5.7	5.8	5.4	45.7	0.1	63.7	1,098,603
Kilifi North Constituency	0.3	0.0	0.0	0.0	0.2	6.0	0.1	3.1	0.0	9.8	0.9	5.4	2.3	8.5	73.0	0.0	90.2	203,628
Tezo	0.1	0.0	0.0	0.0	0.3	5.8	0.0	0.0	0.0	6.1	0.3	9.2	2.9	3.6	77.9	0.0	93.9	25,531
Sokoni	0.1	0.1	0.0	0.0	0.0	0.5	0.2	8.5	0.1	9.6	1.4	1.6	2.7	20.0	64.6	0.1	90.4	34,012
Kibarani	0.7	0.0	0.0	0.0	0.2	0.3	0.0	3.2	0.0	4.4	2.0	1.5	0.7	2.7	88.7	0.0	95.6	23,894
Dabaso	0.1	0.0	0.0	0.0	0.0	1.2	0.0	0.1	0.0	1.4	0.0	1.2	0.2	6.8	90.3	0.0	98.6	28,806
Matsangoni	0.3	0.0	0.0	0.0	0.7	26.2	0.0	0.1	0.0	27.4	0.1	17.9	2.6	1.8	50.2	0.0	72.6	33,339
Watamu	0.4	0.0	0.0	0.0	0.2	2.7	0.0	7.1	0.0	10.5	0.1	3.0	1.7	13.0	71.6	0.0	89.5	24,945
Mnarani	0.6	0.1	0.0	0.1	0.1	2.3	0.0	2.4	0.0	5.6	2.3	2.3	4.7	9.4	75.7	0.0	94.4	33,101
Kilifi South Constituency	2.9	1.3	0.2	1.6	0.9	9.7	0.0	6.1	0.0	22.7	0.9	20.5	18.8	2.5	34.5	0.1	77.3	170,204
Junju	11.1	4.1	0.2	0.6	2.1	5.8	0.0	0.5	0.0	24.5	0.2	22.4	18.2	3.4	31.4	0.0	75.5	31,711
Mwarakaya	0.7	0.4	0.3	5.9	1.7	17.0	0.0	0.0	0.0	26.0	0.2	2.1	15.3	2.5	53.9	0.1	74.0	25,057
Shimo La Tewa	0.4	0.3	0.0	0.2	0.2	5.9	0.1	18.5	0.0	25.5	0.7	33.7	34.2	3.0	2.8	0.1	74.5	50,421
Chasimba	3.5	1.8	0.0	0.0	0.7	1.7	0.1	0.0	0.0	7.7	2.2	0.2	0.3	0.3	89.3	0.0	92.3	29,284

Mtepeni	0.1	0.2	0.4	2.6	0.4	20.7	0.0	2.8	0.0	27.4	1.1	30.1	15.1	3.1	23.1	0.0	72.6	33,731
Kaloleni Constituency	3.4	49.0	0.7	3.6	2.7	7.6	0.0	4.1	0.0	71.1	1.5	1.3	2.1	2.6	21.2	0.2	28.9	154,285
Mariakani	3.3	15.2	0.2	4.7	0.1	0.1	0.0	14.0	0.0	37.5	2.7	0.1	0.5	7.6	51.3	0.2	62.5	42,288
Kayafungo	3.6	90.5	0.4	3.0	0.0	0.0	0.0	0.0	0.0	97.5	0.0	0.1	2.1	0.0	0.1	0.2	2.5	34,707
Kaloleni	4.8	31.9	1.4	2.2	7.4	20.8	0.0	0.6	0.0	69.1	2.1	3.4	4.2	1.4	19.6	0.2	30.9	55,821
Mwanamwinga	0.1	93.3	0.1	5.9	0.0	0.2	0.0	0.0	0.0	99.7	0.0	0.2	0.0	0.0	0.0	0.1	0.3	21,469
Rabai Constituency	0.1	5.9	0.1	4.7	1.9	2.5	0.0	1.2	0.0	16.5	1.7	0.5	1.9	3.3	76.0	0.1	83.5	96,658
Mwawesa	0.1	0.0	0.1	9.7	0.0	13.2	0.1	0.0	0.0	23.2	0.0	0.6	0.1	0.0	76.0	0.0	76.8	14,838
Ruruma	0.1	14.9	0.1	7.2	1.6	1.6	0.0	1.2	0.0	26.7	0.7	1.1	0.9	2.9	67.6	0.1	73.3	21,702
Kambe/Ribe	0.2	0.7	0.0	7.2	8.3	0.0	0.0	0.1	0.0	16.6	6.7	0.8	0.1	4.8	70.9	0.1	83.4	17,115
Rabai/Kisuruti	0.2	5.5	0.1	0.6	0.2	0.3	0.1	2.0	0.1	9.0	0.9	0.0	3.7	4.1	82.2	0.1	91.0	43,003
Ganze Constituency	19.2	21.7	0.1	3.9	2.5	1.8	0.0	0.0	2.0	51.2	0.5	0.1	0.8	0.6	46.8	0.1	48.8	137,385
Ganze	3.9	28.5	0.1	0.8	0.3	0.9	0.0	0.0	0.0	34.6	0.0	0.0	1.0	0.7	63.6	0.0	65.4	31,242
Bamba	34.2	48.5	0.2	2.8	2.3	1.4	0.0	0.0	0.0	89.4	0.1	0.2	0.0	0.2	10.0	0.1	10.6	37,695
Jaribuni	15.0	0.1	0.0	14.0	7.3	3.4	0.0	0.0	10.8	50.6	2.7	0.1	0.8	0.2	45.6	0.0	49.4	24,944
Sokoke	19.5	6.0	0.0	1.3	1.5	1.9	0.0	0.0	0.0	30.2	0.1	0.1	1.2	1.0	67.4	0.0	69.8	43,504
Malindi Constituency	0.2	0.0	0.3	2.3	0.2	4.4	0.2	5.0	0.0	12.6	1.0	2.3	1.9	16.5	65.8	0.0	87.4	160,970
Jilore	0.4	0.0	1.0	9.0	0.0	0.0	0.0	0.8	0.0	11.3	0.2	0.9	0.7	4.3	82.8	0.0	88.7	17,434
Kakuyuni	0.1	0.1	1.3	11.8	0.2	2.1	0.0	0.0	0.0	15.5	0.0	1.0	4.4	1.4	77.7	0.0	84.5	17,954

Ganda	0.1	0.0	0.1	0.0	0.4	19.0	0.1	0.0	0.0	19.7	0.3	5.7	3.3	3.2	67.7	0.0	80.3	32,411
Malindi Town	0.2	0.0	0.0	0.1	0.1	0.1	0.5	10.5	0.0	11.5	1.1	0.3	0.3	24.2	62.6	0.1	88.5	50,938
Shella	0.2	0.1	0.0	0.1	0.1	1.1	0.1	6.0	0.0	7.7	2.2	3.1	2.0	28.9	56.0	0.0	92.3	42,233
Magarini Constituency	8.4	10.0	0.9	20.3	0.3	17.3	3.1	10.1	0.5	70.9	0.5	6.0	10.3	1.6	10.4	0.2	29.1	175,473
Marafa	4.0	23.1	1.1	18.5	0.1	6.2	0.0	0.7	4.2	57.9	0.0	2.6	17.8	0.0	21.3	0.5	42.1	16,736
Magarini	3.7	12.5	1.4	26.9	0.2	26.5	0.0	2.6	0.0	73.7	0.3	7.1	11.3	2.8	4.7	0.2	26.3	40,396
Gongoni	4.4	14.6	0.3	0.2	0.4	17.7	8.6	36.3	0.1	82.6	0.1	9.6	6.7	0.0	0.4	0.6	17.4	34,454
Adu	24.1	5.2	0.3	19.3	0.4	17.5	5.7	7.4	0.5	80.3	0.1	3.5	15.1	0.2	0.7	0.1	19.7	42,810
Garashi	3.2	5.3	2.3	48.5	0.8	17.6	0.0	0.2	0.0	77.9	0.1	9.2	6.8	0.1	5.8	0.1	22.1	25,745
Sabaki	0.1	0.0	0.0	5.3	0.0	3.4	0.1	5.0	0.0	13.8	4.2	0.4	0.6	9.9	71.0	0.2	86.2	15,332

Table 14.24: Source of Water of Male headed Household by County Constituency and Ward

County/Constituency/Wards	Pond	Dam	Lake	Stream/ River	Unprotected Spring	Unprotected Well	Jabia	Water vendor	Other	Unim- proved Sources	Pro- tected Spring	Pro- tected Well	Borehole	Piped into Dwelling	Piped Water Collec- tion	Im- proved Sources	Number of Individuals
Kenya	2.7	2.3	1.1	22.4	4.8	6.7	0.4	5.6	0.4	46.4	7.4	7.7	11.7	6.2	19.9	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	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	72.5	8,738,595
Kilifi County	4.7	11.4	0.3	5.4	1.1	7.7	0.6	4.7	0.4	36.3	1.0	5.9	6.1	5.5	45.1	63.7	757,603
Kilifi North Constituency	0.3	0.0	0.0	0.0	0.2	6.1	0.0	3.1	0.0	9.9	0.8	5.3	2.5	8.7	72.8	90.1	139,912
Tezo	0.1	-	-	-	0.4	6.2	-	-	-	6.6	0.3	9.6	2.8	3.8	76.8	93.4	17,765
Sokoni	0.1	0.1	0.0	0.0	0.0	0.7	0.1	8.7	0.1	9.9	1.2	1.8	3.1	20.1	63.8	90.1	23,519

Kibarani	0.8	-	-	0.1	0.1	0.2	0.0	3.3	-	4.5	1.6	1.4	0.7	2.9	88.9	0.0	95.5	15,283
Dabaso	0.0	-	-	-	0.0	1.1	-	0.0	-	1.2	0.0	1.4	0.2	7.4	89.6	0.1	98.8	20,282
Matsangoni	0.2	0.1	0.0	0.0	0.8	27.1	0.1	0.0	-	28.4	0.0	16.8	2.8	1.7	50.2	0.1	71.6	22,002
Watamu	0.5	-	-	0.0	0.2	2.9	0.0	6.9	0.0	10.5	0.1	3.2	1.7	12.6	71.9	0.0	89.5	18,454
Mnarani	0.5	0.1	0.0	0.1	0.1	2.2	0.0	2.3	0.0	5.3	2.3	2.1	5.2	9.5	75.6	0.1	94.7	22,607
Kilifi South Constituency	2.8	1.3	0.2	1.6	0.9	9.9	0.0	6.5	0.0	23.2	0.8	21.7	19.6	2.4	32.2	0.1	76.8	116,752
Junju	10.6	4.1	0.2	0.6	2.2	6.1	-	0.6	-	24.4	0.2	23.4	17.9	3.3	30.9	0.0	75.6	22,099
Mwarakaya	0.7	0.4	0.4	6.8	1.8	16.6	-	-	-	26.7	0.2	2.3	15.6	2.1	53.1	0.0	73.3	15,243
Shimo La Tewa	0.4	0.3	0.0	0.2	0.3	5.9	0.0	18.3	0.0	25.5	0.7	33.8	34.3	2.7	2.9	0.1	74.5	36,991
Chasimba	3.4	2.1	0.0	0.0	0.6	2.1	0.1	-	-	8.3	2.2	0.2	0.3	0.2	88.8	-	91.7	17,913
Mtepeni	0.1	0.3	0.3	2.6	0.4	20.7	0.0	2.7	0.0	27.2	1.1	29.9	15.5	2.9	23.3	0.0	72.8	24,506
Kaloleni Constituency	3.5	48.0	0.6	3.4	2.5	7.5	0.0	4.1	0.0	69.7	1.5	1.3	2.2	2.9	22.3	0.2	30.3	102,678
Mariakani	3.4	14.5	0.1	3.9	0.1	0.1	0.1	13.4	0.0	35.7	2.7	0.1	0.6	8.1	52.5	0.2	64.3	29,585
Kayafungo	3.4	90.9	0.3	2.7	-	0.1	-	0.0	-	97.4	-	0.0	2.2	0.0	0.1	0.3	2.6	22,182
Kaloleni	4.8	32.3	1.4	2.2	6.9	20.6	0.0	0.7	-	68.9	2.1	3.3	4.2	1.4	19.8	0.2	31.1	36,988
Mwanamwanga	0.1	92.8	0.0	6.4	-	0.3	-	0.1	-	99.6	0.1	0.2	0.1	-	-	-	0.4	13,923
Rabai Constituency	0.2	5.7	0.1	4.4	1.8	2.6	0.0	1.2	0.1	16.0	1.7	0.5	2.2	3.3	76.2	0.1	84.0	69,553
Mwawesa	0.1	-	0.0	10.0	0.0	13.4	0.1	-	-	23.6	0.0	0.7	0.1	-	75.5	-	76.4	10,743
Ruruma	0.1	14.2	0.0	6.6	1.6	1.8	0.0	1.2	-	25.7	0.7	1.1	1.2	3.3	67.9	0.1	74.3	14,805
Kambe/Ribe	0.2	0.7	-	6.9	8.2	-	-	0.1	-	16.0	7.2	0.9	0.2	5.2	70.6	-	84.0	11,964
Rabai/Kisurutiini	0.2	5.4	0.1	0.6	0.2	0.3	0.0	1.9	0.1	8.9	0.8	0.0	4.1	3.6	82.5	0.1	91.1	32,041
Ganze Constituency	20.4	22.5	0.1	4.0	2.6	2.1	0.0	0.0	2.2	54.0	0.4	0.1	0.7	0.6	44.1	0.1	46.0	83,036
Ganze	3.8	29.7	0.2	1.1	0.4	1.2	0.0	-	-	36.3	0.1	0.0	0.8	0.6	62.2	-	63.7	17,903
Bamba	34.3	48.4	0.2	2.4	2.4	1.7	0.0	-	-	89.4	0.1	0.2	-	0.2	10.0	0.1	10.6	23,785
Jaribuni	14.4	0.1	-	14.6	6.8	3.4	-	-	11.9	51.2	2.1	0.2	0.8	0.2	45.5	0.1	48.8	15,637
Sokoke	22.6	7.3	-	1.1	1.8	2.3	-	0.0	0.0	35.2	0.1	0.1	1.1	1.2	62.3	0.1	64.8	25,711
Malindi Constituency	0.2	0.0	0.2	2.3	0.2	4.7	0.2	5.1	0.0	13.0	1.0	2.4	1.8	16.5	65.4	0.0	87.0	116,935

Jilore	0.3	0.1	1.0	9.6	-	0.1	-	1.1	-	12.2	0.1	0.8	0.5	4.8	81.5	-	87.8	10,678
Kakuyuni	-	0.0	1.2	13.1	0.2	1.9	-	-	-	16.4	0.0	1.0	3.7	1.5	77.4	0.1	83.6	11,892
Ganda	0.1	0.0	0.1	-	0.5	20.2	0.1	-	-	21.1	0.3	6.2	3.2	3.1	66.1	-	78.9	24,645
Malindi Town	0.2	0.0	-	0.1	0.1	0.1	0.4	10.4	0.0	11.3	0.9	0.3	0.3	23.3	63.9	0.1	88.7	38,217
Shella	0.3	0.1	0.1	0.1	0.1	0.9	0.1	6.1	0.0	7.7	2.4	3.1	2.0	28.2	56.6	0.0	92.3	31,503
Magarini Constituency	8.6	9.9	0.9	20.8	0.4	16.9	3.0	10.1	0.6	71.0	0.6	5.9	10.3	1.5	10.5	0.3	29.0	128,737
Marafa	3.7	23.5	1.2	19.0	0.1	6.0	-	0.6	4.6	58.8	-	2.3	17.8	-	20.5	0.6	41.2	11,856
Magarini	3.7	12.4	1.3	27.8	0.2	26.4	0.0	2.3	0.0	74.3	0.3	7.0	12.0	2.0	4.2	0.3	25.7	29,864
Gongoni	4.1	14.7	0.2	0.2	0.4	17.3	8.7	36.4	0.0	82.1	0.1	9.7	7.1	0.0	0.5	0.6	17.9	25,462
Adu	24.5	4.6	0.3	21.3	0.5	16.5	5.2	7.3	0.5	80.6	0.1	3.6	14.4	0.2	0.9	0.1	19.4	31,737
Garashi	3.6	5.5	2.5	49.6	0.8	17.2	-	0.3	-	79.6	0.1	8.4	6.0	0.1	5.7	0.1	20.4	17,823
Sabaki	0.1	-	-	5.1	-	3.7	0.1	4.7	-	13.6	4.7	0.5	0.5	10.4	70.1	0.1	86.4	11,995

Table 14.25: Source of Water of Female headed Household by County, Constituency and Ward

County/ Constituency/ Wards	Pond	Dam	Lake	Stream/ River	Unpro- tected Spring	Unpro- tected Well	Jabia	Water vendor	Other	Unimproved Sources	Protected Spring	Protect- ed Well	Bore- hole	Piped into Dwelling	Piped	Rain Water Collec- tion	Improved 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
Kilifi County	5.0	13.1	0.3	4.8	1.2	7.1	0.5	4.1	0.3	36.4	1.0	5.2	5.3	5.0	46.9	0.1	63.6	341,000
Kilifi North Con- stituency	0.3	0.0	-	0.1	0.2	5.9	0.1	3.0	0.0	9.5	1.1	5.8	2.0	8.0	73.6	0.0	90.5	63,716
Tezo	-	-	-	-	0.0	5.0	-	-	-	5.0	0.1	8.3	3.0	3.2	80.4	0.0	95.0	7,766
Sokoni	0.1	-	-	-	-	0.1	0.4	8.0	0.2	8.9	1.7	1.2	2.0	19.8	66.3	0.0	91.1	10,493

Kibarani	0.5	-	-	-	-	0.3	0.5	-	2.9	-	4.2	2.7	1.6	0.7	2.5	88.4	-	95.8	8,611
Dabaso	0.1	-	-	0.0	-	-	1.5	-	0.2	-	1.8	-	0.7	0.0	5.4	92.1	-	98.2	8,524
Matsangoni	0.4	-	-	0.1	-	0.4	24.4	-	0.2	-	25.5	0.3	20.0	2.2	1.9	50.1	0.0	74.5	11,337
Watamu	0.3	-	-	0.1	-	0.3	2.1	-	7.7	-	10.5	0.1	2.6	1.8	14.2	70.7	0.0	89.5	6,491
Mnarani	0.8	0.0	-	0.2	-	0.1	2.5	-	2.8	-	6.4	2.2	2.7	3.6	9.4	75.7	0.0	93.6	10,494
Kilifi South Constituency	3.2	1.2	0.2	1.4	0.9	9.4	9.4	0.0	5.3	0.0	21.6	0.9	17.8	17.2	2.9	39.6	0.1	78.4	53,452
Junju	12.2	4.2	0.4	0.6	1.9	4.9	-	-	0.2	-	24.5	0.1	20.1	19.1	3.7	32.5	-	75.5	9,612
Mwarakaya	0.7	0.5	0.1	4.5	1.4	17.6	-	-	-	-	24.9	0.2	1.9	14.9	3.1	55.0	0.1	75.1	9,814
Shimo La Tewa	0.3	0.3	-	0.1	0.1	5.8	0.1	18.8	-	-	25.6	0.7	33.5	33.9	3.6	2.5	0.1	74.4	13,430
Chasimba	3.5	1.2	0.0	-	0.9	1.0	0.1	-	0.0	0.0	6.7	2.2	0.3	0.3	0.5	89.9	-	93.3	11,371
Mtepeni	0.1	0.0	0.5	2.7	0.5	20.7	-	3.2	-	-	27.8	1.1	30.8	14.1	3.6	22.6	0.0	72.2	9,225
Kaloleni Constituency	3.4	51.1	0.7	4.0	3.1	7.7	0.0	3.9	0.0	0.0	73.9	1.5	1.4	2.1	2.0	18.9	0.2	26.1	51,607
Mariakani	2.9	16.7	0.3	6.5	-	0.0	0.0	15.2	0.0	0.0	41.7	2.7	0.2	0.4	6.3	48.6	0.1	58.3	12,703
Kayafungo	4.0	90.0	0.4	3.4	-	-	-	-	-	-	97.8	0.1	0.2	1.9	-	0.0	0.1	2.2	12,525
Kaloleni	4.7	31.1	1.4	2.2	8.4	21.2	0.0	0.5	-	-	69.5	2.1	3.7	4.2	1.3	19.0	0.3	30.5	18,833
Mwanamwinda	-	94.2	0.4	5.1	0.1	0.0	-	-	-	-	99.7	-	0.1	0.0	-	-	0.2	0.3	7,546
Rabai Constituency	0.1	6.6	0.1	5.4	2.1	2.4	0.1	1.2	-	-	17.9	1.7	0.5	1.2	3.4	75.2	0.1	82.1	27,105
Mwawesa	-	-	0.3	9.2	-	12.7	-	-	-	-	22.2	-	0.4	-	0.1	77.3	-	77.8	4,095
Ruruma	-	16.5	0.1	8.4	1.7	1.0	-	1.1	-	-	28.9	0.7	1.1	0.4	2.0	66.9	0.1	71.1	6,897
Kambe/Ribe	0.2	0.8	-	8.1	8.7	0.1	-	-	-	-	17.9	5.7	0.8	-	3.8	71.6	0.2	82.1	5,151
Rabai/Kisurutini	0.2	5.6	0.1	0.7	0.1	0.4	0.1	2.2	-	-	9.4	1.1	-	2.6	5.4	81.4	0.1	90.6	10,962

Ganze Constituency	17.3	20.4	0.1	3.7	2.4	1.4	0.0	0.0	0.0	1.5	46.8	0.7	0.0	0.9	0.5	50.9	0.1	53.2	54,349
Ganze	4.1	26.9	0.1	0.5	0.2	0.5	0.1	-	-	-	32.3	0.0	-	1.4	0.8	65.5	0.0	67.7	13,339
Bamba	33.9	48.7	0.2	3.4	2.1	1.0	0.0	-	-	-	89.3	0.1	0.1	0.1	0.2	10.1	0.2	10.7	13,910
Jaribuni	16.1	-	-	13.0	8.3	3.4	-	-	-	8.9	49.7	3.8	-	0.8	-	45.7	0.0	50.3	9,307
Sokoke	14.9	4.1	-	1.5	1.2	1.2	-	0.0	0.0	0.0	23.0	0.1	0.0	1.4	0.8	74.7	-	77.0	17,793
Malindi Constituency	0.3	0.0	0.4	2.6	0.1	3.4	0.2	4.6	0.0	0.0	11.5	0.9	1.9	2.2	16.6	66.9	0.0	88.5	44,035
Jilore	0.6	-	0.9	8.0	-	-	-	0.3	-	-	9.8	0.2	0.9	1.0	3.4	84.8	-	90.2	6,756
Kakuyuni	0.2	0.1	1.4	9.3	0.1	2.4	-	0.0	-	-	13.6	-	1.0	5.9	1.2	78.3	-	86.4	6,062
Ganda	0.1	-	-	-	0.1	15.2	0.1	-	-	-	15.5	0.1	4.4	3.6	3.7	72.8	-	84.5	7,766
Malindi Town	0.4	0.1	0.0	0.1	0.1	0.1	0.6	10.8	0.0	0.0	12.1	1.6	0.4	0.3	26.9	58.7	0.1	87.9	12,721
Shella	0.1	-	-	0.1	0.1	1.6	-	5.8	-	-	7.7	1.8	3.1	2.0	30.8	54.5	0.0	92.3	10,730
Magarini Constituency	8.1	10.4	0.9	18.7	0.2	18.3	3.4	10.0	0.5	0.5	70.7	0.3	6.3	10.5	1.8	10.2	0.2	29.3	46,736
Marafa	4.7	22.2	0.9	17.3	-	6.5	-	0.8	3.4	3.4	55.8	0.1	3.2	17.6	-	23.2	0.1	44.2	4,880
Magarini	3.5	12.8	1.5	24.3	0.1	26.6	-	3.4	-	-	72.1	0.2	7.2	9.1	5.2	6.1	0.2	27.9	10,532
Gongoni	5.2	14.6	0.7	0.1	0.3	18.6	8.6	35.9	0.1	0.1	84.2	0.2	9.3	5.6	-	0.1	0.5	15.8	8,992
Adu	22.7	6.7	0.3	13.6	0.1	20.3	7.1	7.8	0.6	0.6	79.4	0.1	3.1	17.0	0.1	0.2	0.1	20.6	11,073
Garashi	2.2	4.8	1.7	45.9	0.8	18.4	0.1	-	-	-	73.9	0.2	10.9	8.6	0.1	6.2	-	26.1	7,922
Sabaki	0.1	-	-	6.2	-	2.1	-	6.0	-	-	14.4	2.2	0.1	0.8	8.1	74.1	0.3	85.6	3,337

Table 14.26: Human Waste Disposal by County, Constituency and Ward

County/ Constituency	Main Sewer	Septic Tank	Cess Pool	VIP Latrine	Pit Latrine	Improved Sanitation	PitLatrine Uncovered	Bucket	Bush	Other	Unimproved Sanitation	Number of HH Memmbers
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
Kilifi County	1.08	5.15	0.37	3.80	31.34	41.74	16.63	0.43	41.08	0.12	58.26	1,098,603
Kilifi North Constituency	1.49	5.21	0.32	3.71	34.95	45.68	16.87	0.45	36.83	0.17	54.32	203,628
Tezo	0.07	1.97	0.04	0.85	36.58	39.51	16.48	0.24	43.78	0.00	60.49	25,531
Sokoni	4.17	11.45	0.18	5.97	52.06	73.84	21.81	1.38	2.71	0.26	26.16	34,012
Kibarani	0.78	1.08	0.03	1.77	23.98	27.64	33.77	0.03	38.05	0.51	72.36	23,894
Dabaso	0.52	7.29	0.49	1.90	32.68	42.88	7.02	0.34	49.67	0.08	57.12	28,806
Matsangoni	0.05	0.49	0.20	1.75	34.44	36.93	8.33	0.13	54.59	0.02	63.07	33,339
Watamu	3.14	8.53	1.04	10.51	31.12	54.35	9.33	0.80	35.43	0.10	45.65	24,945
Mnarani	1.37	4.73	0.29	3.43	29.40	39.23	22.72	0.11	37.67	0.26	60.77	33,101
Kilifi South Constituency	1.93	5.88	0.66	2.77	57.36	68.59	20.64	0.77	9.81	0.19	31.41	170,204
Junju	0.24	2.83	0.73	1.24	62.45	67.48	10.99	0.14	21.29	0.09	32.52	31,711
Mwarakaya	0.04	0.08	0.07	2.36	83.71	86.26	7.80	0.08	5.51	0.35	13.74	25,057
Shimo La Tewa	5.50	13.91	1.34	4.58	40.23	65.56	30.71	2.01	1.38	0.34	34.44	50,421
Chasimba	0.20	0.07	0.14	0.58	73.14	74.14	17.15	0.04	8.68	0.00	25.86	29,284
Mtepeni	1.10	6.09	0.44	3.73	44.88	56.24	27.23	0.65	15.79	0.09	43.76	33,731
Kaloleni Constituency	0.83	3.23	0.23	2.59	34.40	41.28	25.17	0.16	33.33	0.07	58.72	154,285
Mariakani	2.40	10.84	0.33	4.50	30.26	48.32	25.52	0.28	25.67	0.21	51.68	42,288
Kayafungo	0.20	0.17	0.15	1.37	34.43	36.32	7.30	0.05	56.29	0.05	63.68	34,707
Kaloleni	0.24	0.53	0.29	2.82	41.01	44.89	42.49	0.17	12.45	0.01	55.11	55,821
Mwanamwinga	0.28	0.21	0.00	0.19	25.36	26.04	8.30	0.07	65.59	0.00	73.96	21,469
Rabai Constituency	0.65	2.10	0.15	4.02	27.95	34.87	47.81	0.47	16.82	0.03	65.13	96,658
Mwawesa	0.03	0.29	0.10	2.41	15.82	18.64	46.36	0.05	34.95	0.00	81.36	14,838

Ruruma	0.18	0.76	0.30	3.09	34.56	38.90	45.17	0.15	15.78	0.00	61.10	21,702
Kambe/Ribe	1.39	3.64	0.13	1.78	25.70	32.63	60.43	0.00	6.84	0.09	67.37	17,115
Rabai/Kisuruti	0.80	2.78	0.10	5.94	29.70	39.32	44.62	0.98	15.07	0.02	60.68	43,003
Ganze Constituency	0.04	0.15	0.08	1.46	21.43	23.16	4.71	0.02	71.98	0.12	76.84	137,385
Ganze	0.04	0.08	0.08	4.14	19.69	24.03	3.68	0.01	72.27	0.00	75.97	31,242
Bamba	0.00	0.10	0.07	0.37	5.57	6.11	1.44	0.03	92.39	0.03	93.89	37,695
Jaribuni	0.04	0.34	0.08	0.49	11.06	12.00	3.19	0.04	84.72	0.05	88.00	24,944
Sokoke	0.06	0.14	0.09	1.05	42.39	43.72	9.17	0.01	46.78	0.32	56.28	43,504
Malindi Constituency	2.01	14.85	0.76	10.02	28.08	55.72	9.41	0.92	33.88	0.07	44.28	160,970
Jilore	1.19	0.22	0.00	1.69	13.77	16.86	1.88	0.12	81.14	0.00	83.14	17,434
Kakuyuni	0.23	1.04	0.11	3.60	6.76	11.75	8.49	0.16	79.48	0.12	88.25	17,954
Ganda	0.29	1.06	0.37	4.03	28.97	34.72	5.58	0.67	59.01	0.02	65.28	32,411
Malindi Town	3.14	26.24	0.92	18.65	32.59	81.55	9.43	0.98	7.90	0.14	18.45	50,938
Shella	3.06	23.61	1.44	10.38	36.91	75.41	15.84	1.68	7.03	0.05	24.59	42,233
Magarini Constituency	0.21	2.76	0.27	1.96	11.85	17.05	3.76	0.15	78.94	0.10	82.95	175,473
Marafa	0.10	0.78	0.06	1.97	5.46	8.37	1.37	0.00	90.23	0.03	91.63	16,736
Magarini	0.01	2.96	0.18	3.06	10.19	16.40	3.89	0.03	79.53	0.16	83.60	40,396
Gongoni	0.19	5.24	0.33	2.77	17.64	26.17	4.06	0.14	69.49	0.14	73.83	34,454
Adu	0.12	0.07	0.17	0.83	11.60	12.79	4.30	0.04	82.80	0.07	87.21	42,810
Garashi	0.03	0.32	0.30	0.49	5.69	6.83	1.28	0.02	91.74	0.13	93.17	25,745
Sabaki	1.45	10.42	0.78	2.84	21.28	36.77	8.02	1.13	54.08	0.00	63.23	15,332

Table 14.27: 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
Kilifi County	1.11	5.42	0.39	4.00	31.33	42.25	16.84	0.43	40.37	0.11	57.75	757,603
Kilifi North Constituency	1.56	5.46	0.34	3.84	35.32	46.52	16.58	0.43	36.30	0.17	53.48	139,912
Tezo	0.10	2.18	0.00	0.88	37.73	40.89	16.27	0.27	42.57	0.00	59.11	17,765
Sokoni	4.15	12.02	0.19	6.23	52.69	75.27	20.83	1.16	2.47	0.27	24.73	23,519
Kibarani	0.80	1.30	0.05	1.83	24.11	28.10	34.84	0.04	36.54	0.48	71.90	15,283
Dabaso	0.60	7.41	0.49	1.76	31.65	41.90	7.89	0.34	49.78	0.08	58.10	20,282
Matsangoni	0.05	0.50	0.15	1.82	33.85	36.36	8.18	0.10	55.34	0.03	63.64	22,002
Watamu	3.27	7.96	1.24	10.85	31.58	54.89	8.79	0.86	35.33	0.13	45.11	18,454
Mnarani	1.47	5.07	0.27	3.17	30.72	40.70	22.36	0.13	36.58	0.23	59.30	22,607
Kilifi South Constituency	1.97	6.19	0.70	2.85	56.35	68.05	21.43	0.70	9.62	0.20	31.95	116,752
Junju	0.28	2.98	0.89	1.13	62.17	67.44	11.74	0.10	20.62	0.10	32.56	22,099
Mwarakaya	0.00	0.03	0.12	1.99	83.49	85.63	8.25	0.09	5.75	0.29	14.37	15,243
Shimo La Tewa	5.18	13.54	1.24	4.76	41.21	65.93	30.71	1.56	1.41	0.38	34.07	36,991
Chasimba	0.23	0.06	0.18	0.46	73.06	73.99	17.52	0.00	8.49	0.00	26.01	17,913
Mtepeni	1.13	6.30	0.45	3.80	44.85	56.54	27.21	0.82	15.33	0.10	43.46	24,506
Kaloleni Constituency	0.81	3.60	0.25	2.62	35.44	42.73	25.48	0.15	31.59	0.05	57.27	102,678
Mariakani	2.21	11.54	0.31	4.46	31.58	50.11	25.84	0.17	23.74	0.14	49.89	29,585
Kayafungo	0.26	0.16	0.15	1.59	35.57	37.74	7.65	0.08	54.48	0.05	62.26	22,182
Kaloleni	0.24	0.60	0.34	2.65	41.52	45.35	42.39	0.19	12.06	0.01	54.65	36,988
Mwanamwanga	0.25	0.19	0.00	0.27	27.31	28.02	8.16	0.11	63.71	0.00	71.98	13,923
Rabai Constituency	0.77	2.28	0.17	4.20	27.96	35.38	47.63	0.49	16.47	0.04	64.62	69,553
Mwawesa	0.00	0.27	0.13	2.75	15.91	19.05	46.39	0.07	34.49	0.00	80.95	10,743
Ruruma	0.20	0.94	0.33	3.49	33.68	38.64	46.20	0.22	14.94	0.01	61.36	14,805
Kambe/Ribe	1.96	4.83	0.16	2.09	25.59	34.64	59.14	0.00	6.09	0.13	65.36	11,964
Rabai/Kisurutini	0.84	2.61	0.11	5.80	30.25	39.62	44.41	0.94	15.01	0.02	60.38	32,041
Ganze Constituency	0.05	0.15	0.07	1.69	20.79	22.75	4.69	0.01	72.43	0.11	77.25	83,036
Ganze	0.08	0.06	0.11	5.40	20.00	25.64	4.13	0.00	70.22	0.00	74.36	17,903

Bamba	0.00	0.08	0.02	0.46	5.65	6.21	1.41	0.00	92.36	0.03	93.79	23,785
Jaribuni	0.01	0.49	0.06	0.33	11.27	12.15	3.18	0.06	84.52	0.08	87.85	15,637
Sokoke	0.09	0.09	0.10	1.08	41.13	42.50	9.03	0.00	48.19	0.28	57.50	25,711
Malindi Constituency	1.93	14.92	0.79	10.27	29.01	56.92	9.61	0.95	32.44	0.09	43.08	116,935
Jilore	1.63	0.22	0.00	1.13	14.09	17.07	1.73	0.09	81.10	0.00	82.93	10,678
Kakuyuni	0.27	1.14	0.10	3.48	6.47	11.47	7.99	0.08	80.28	0.18	88.53	11,892
Ganda	0.32	0.93	0.30	4.09	29.73	35.38	5.69	0.77	58.13	0.03	64.62	24,645
Malindi Town	2.93	26.06	0.99	18.85	32.44	81.26	9.49	0.99	8.11	0.15	18.74	38,217
Shella	2.71	22.53	1.44	10.36	37.85	74.89	16.09	1.66	7.30	0.06	25.11	31,503
Magarini Constituency	0.19	2.58	0.26	1.98	11.78	16.79	3.84	0.15	79.13	0.09	83.21	128,737
Maraia	0.08	0.87	0.08	1.86	5.63	8.52	1.37	0.00	90.11	0.00	91.48	11,856
Magarini	0.02	2.57	0.18	3.10	9.24	15.10	3.85	0.02	80.90	0.14	84.90	29,864
Gongoni	0.15	4.65	0.32	2.76	17.48	25.36	4.19	0.15	70.19	0.13	74.64	25,462
Adu	0.15	0.10	0.19	0.76	11.68	12.89	4.19	0.04	82.83	0.05	87.11	31,737
Garashi	0.04	0.32	0.22	0.59	5.91	7.09	1.33	0.03	91.44	0.11	92.91	17,823
Sabaki	1.13	9.78	0.78	3.00	21.04	35.73	8.35	1.10	54.81	0.00	64.27	11,995

Table 14.28: Human Waste Disposal in Female Headed Household by County, Constituency and Ward

County/ Constituency	Main Sewer	Septic Tank	Cess Pool	VIP Latrine	Pit Latrine	Improved Sanitation	Pit Latrine Uncov- ered	Bucket	Bush	Other	Unimproved Sanitation	Number of HH Members
Kenya	5.0	2.2	0.2	4.5	47.6	59.5	21.4	0.3	18.7	0.2	40.5	11,164,581.0
Rural	0.1	0.3	0.1	4.0	48.5	53.0	22.6	0.1	24.2	0.1	47.0	8,058,724.0
Urban	17.6	7.2	0.6	5.9	45.1	76.4	18.4	0.7	4.3	0.2	23.6	3,105,857.0
Kilifi	1.0	4.6	0.3	3.4	31.4	40.6	16.2	0.4	42.7	0.1	59.4	341,000.0
Kilifi North	1.3	4.7	0.3	3.4	34.1	43.8	17.5	0.5	38.0	0.2	56.2	63,716.0
Tezo	0.0	1.5	0.1	0.8	34.0	36.4	17.0	0.2	46.5	0.0	63.6	7,766.0

Sokoni	4.2	10.2	0.2	5.4	50.7	70.6	24.0	1.9	3.2	0.2	29.4	10,493.0
Kibarani	0.7	0.7	0.0	1.7	23.7	26.8	31.9	0.0	40.7	0.6	73.2	8,611.0
Dabaso	0.3	7.0	0.5	2.2	35.1	45.2	5.0	0.4	49.4	0.1	54.8	8,524.0
Matsangoni	0.0	0.5	0.3	1.6	35.6	38.0	8.6	0.2	53.1	0.0	62.0	11,337.0
Watamu	2.8	10.2	0.5	9.5	29.8	52.8	10.8	0.6	35.7	0.0	47.2	6,491.0
Mnarani	1.1	4.0	0.3	4.0	26.6	36.1	23.5	0.1	40.0	0.3	63.9	10,494.0
Kilifi South	1.9	5.2	0.6	2.6	59.6	69.8	18.9	0.9	10.2	0.2	30.2	53,452.0
Junju	0.1	2.5	0.4	1.5	63.1	67.6	9.3	0.2	22.8	0.1	32.4	9,612.0
Mwarakaya	0.1	0.2	0.0	2.9	84.1	87.3	7.1	0.1	5.1	0.4	12.7	9,814.0
Shimo La Tewa	6.4	14.9	1.6	4.1	37.5	64.5	30.7	3.2	1.3	0.2	35.5	13,430.0
Chasimba	0.1	0.1	0.1	0.8	73.3	74.4	16.6	0.1	9.0	0.0	25.6	11,371.0
Mtepeni	1.0	5.5	0.4	3.5	44.9	55.4	27.3	0.2	17.0	0.0	44.6	9,225.0
Kaloleni	0.9	2.5	0.2	2.5	32.3	38.4	24.6	0.2	36.8	0.1	61.6	51,607.0
Mariakani	2.8	9.2	0.4	4.6	27.2	44.2	24.8	0.5	30.2	0.4	55.8	12,703.0
Kayafungo	0.1	0.2	0.1	1.0	32.4	33.8	6.7	0.0	59.5	0.0	66.2	12,525.0
Kaloleni	0.3	0.4	0.2	3.1	40.0	44.0	42.7	0.1	13.2	0.0	56.0	18,833.0
Mwanamwinga	0.3	0.2	0.0	0.0	21.8	22.4	8.6	0.0	69.0	0.0	77.6	7,546.0
Rabai	0.3	1.6	0.1	3.6	27.9	33.6	48.3	0.4	17.7	0.0	66.4	27,105.0
Mwawesa	0.1	0.3	0.0	1.5	15.6	17.6	46.3	0.0	36.2	0.0	82.4	4,095.0
Ruruma	0.1	0.4	0.2	2.2	36.5	39.5	43.0	0.0	17.6	0.0	60.5	6,897.0
Kambe/Ribe	0.1	0.9	0.1	1.0	25.9	28.0	63.4	0.0	8.6	0.0	72.0	5,151.0
Rabai/Kisurutini	0.7	3.3	0.1	6.3	28.1	38.4	45.3	1.1	15.2	0.0	61.6	10,962.0
Ganze	0.0	0.1	0.1	1.1	22.4	23.8	4.8	0.0	71.3	0.1	76.2	54,349.0
Ganze	0.0	0.1	0.0	2.5	19.3	21.9	3.1	0.0	75.0	0.0	78.1	13,339.0
Bamba	0.0	0.1	0.2	0.2	5.4	5.9	1.5	0.1	92.4	0.1	94.1	13,910.0

Jaribuni	0.1	0.1	0.1	0.8	10.7	11.7	3.2	0.0	85.1	0.0	88.3	9,307.0
Sokoke	0.0	0.2	0.1	1.0	44.2	45.5	9.4	0.0	44.7	0.4	54.5	17,793.0
Malindi	2.2	14.7	0.7	9.4	25.6	52.5	8.9	0.8	37.7	0.0	47.5	44,035.0
Jilore	0.5	0.2	0.0	2.6	13.2	16.5	2.1	0.2	81.2	0.0	83.5	6,756.0
Kakuyuni	0.2	0.8	0.1	3.8	7.3	12.3	9.5	0.3	77.9	0.0	87.7	6,062.0
Ganda	0.2	1.5	0.6	3.8	26.6	32.6	5.2	0.3	61.8	0.0	67.4	7,766.0
Malindi Town	3.8	26.8	0.7	18.1	33.1	82.4	9.3	0.9	7.3	0.1	17.6	12,721.0
Shella	4.1	26.8	1.4	10.4	34.2	76.9	15.1	1.8	6.2	0.0	23.1	10,730.0
Magarini	0.3	3.3	0.3	1.9	12.1	17.8	3.5	0.1	78.4	0.1	82.2	46,736.0
Marafa	0.1	0.6	0.0	2.3	5.0	8.0	1.4	0.0	90.5	0.1	92.0	4,880.0
Magarini	0.0	4.1	0.2	2.9	12.9	20.1	4.0	0.1	75.6	0.2	79.9	10,532.0
Gongoni	0.3	6.9	0.4	2.8	18.1	28.5	3.7	0.1	67.5	0.2	71.5	8,992.0
Adu	0.0	0.0	0.1	1.0	11.4	12.5	4.6	0.1	82.7	0.1	87.5	11,073.0
Garashi	0.0	0.3	0.5	0.3	5.2	6.2	1.2	0.0	92.4	0.2	93.8	7,922.0
Sabaki	2.6	12.7	0.8	2.2	22.1	40.5	6.8	1.2	51.5	0.0	59.5	3,337.0



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Kenya National Bureau of Statistics (KNBS)

Herufi House, LT. Tumbo Road, Off Harambee Avenue

P.O. BOX 30266 00100 Nairobi GPO, Kenya

Nairobi 317586/8, 317612/22, 317623, 317651

Email: info@knbs.or.ke; Website: www.knbs.or.ke



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Society for International Development

Regional Office for Eastern Africa

Britam Centre, First Floor, Ragati/Mara Road

P O Box 2404 – 00100 Nairobi Kenya

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

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