

# Exploring Kenya's Inequality

Pulling Apart or Pooling Together?

Mombasa County



## Published by



Kenya National Bureau of Statistics  
P.O. Box 30266-00100 Nairobi, Kenya  
Email: [info@knbs.or.ke](mailto:info@knbs.or.ke) Website: [www.knbs.or.ke](http://www.knbs.or.ke)



Society for International Development – East Africa  
P.O. Box 2404-00100 Nairobi, Kenya  
Email: [sidea@sidint.org](mailto:sidea@sidint.org) | Website: [www.sidint.net](http://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:**

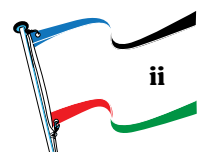
Ali Nadim Zaidi

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

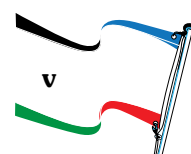


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**Stefano Prato**  
**Managing Director,**  
**SID**



# 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

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

$$Gini = 1 - \frac{2}{N} \sum_{i=1}^N (x_i - x_{i-1}) (y_i + y_{i-1})$$

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 equivalent<sup>1</sup> 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

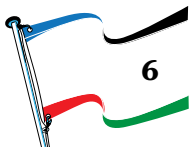
The reason poverty can be considered a spatial issue is two-fold. People of a similar socio-economic background tend to live in the same areas because the amount of money a person makes usually, but not always, influences their decision as to where to purchase or rent a home. At the same time, the area 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.

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<sup>1</sup>This 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.



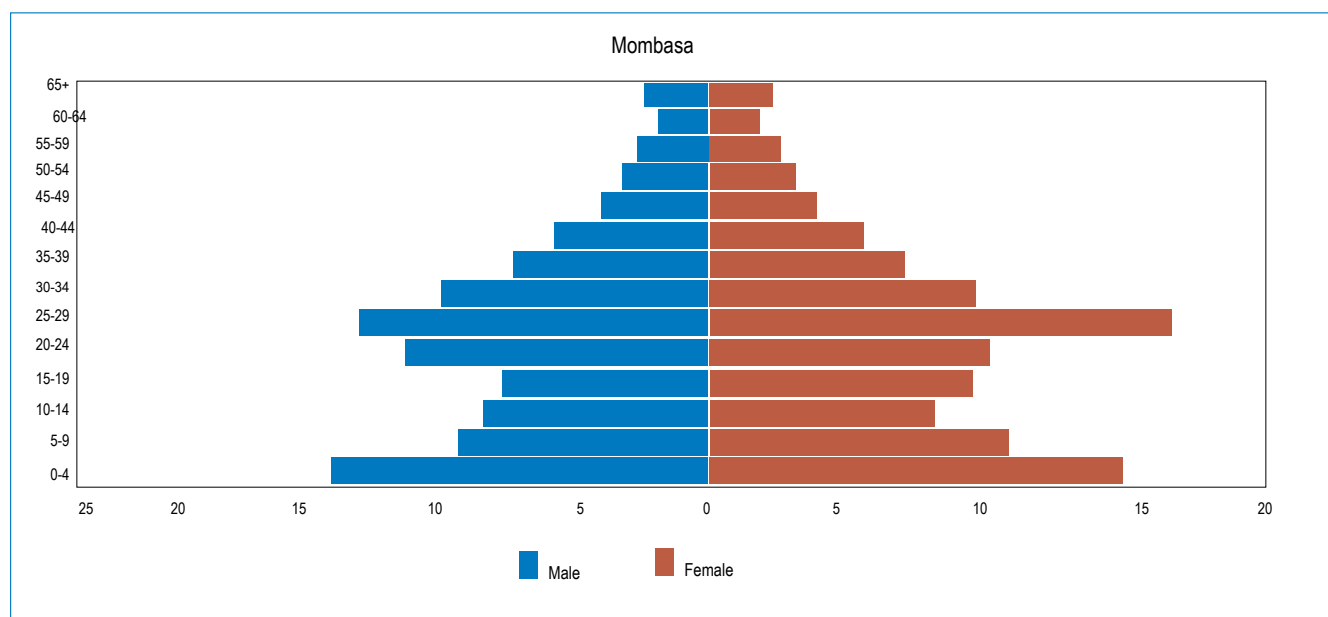


# Mombasa County



## MOMBASA COUNTY

**Figure 28.1: Mombasa Population Pyramid**



### Population

Mombasa County has a transitional population structure due to a shrinking child population, where 0-14 year olds constitute 33%. The county also has a high youthful population, where 15-34 year olds constitute 46% of the total population. This is a result of low fertility rates among women as shown by the highest percentage household size of 0-3 members at 59%. Labour migration from the rural areas in search of jobs has also increased the proportion of the working age population of those aged between 15-64 years old which is very high at 65%

### Employment

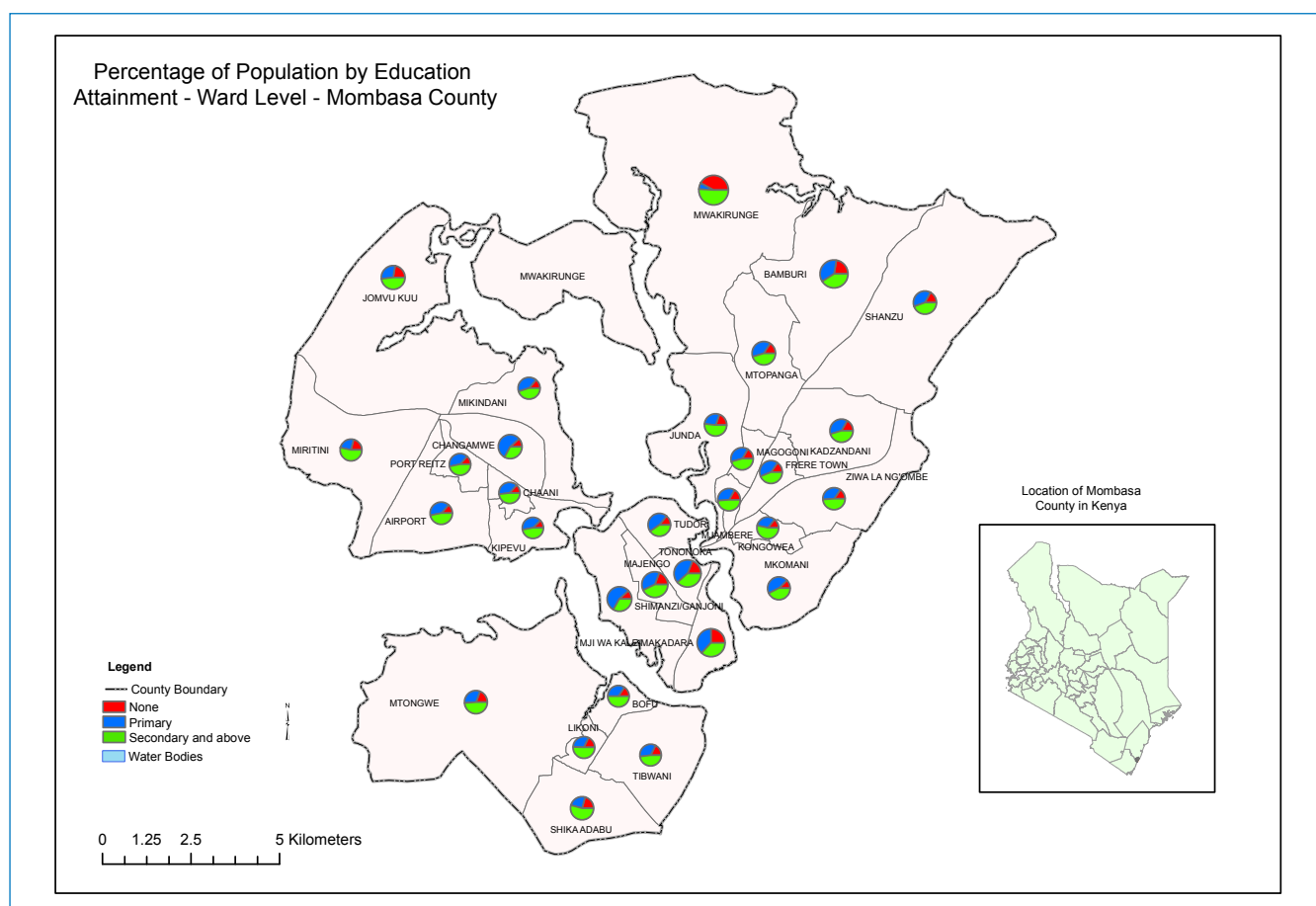
The 2009 population and housing census covered in brief the labour status as tabulated below. The main variable of interest for inequality discussed in the text is work for pay by level of education. The other variables, notably family business, family agricultural holdings, intern/volunteer, retired/homemaker, fulltime student, incapacitated and no work are tabulated and presented in the annex table 28.3 up to ward level.

**Table 28: Overall Employment by Education Levels in Mombasa County**

Education Level	Work for pay	Family Business	Family Agricultural Holding	Intern/Volunteer	Retired/ Home-maker	Fulltime Student	Incapacitated	No work	Number of Individuals
<b>Total</b>	41.0	15.7	3.1	1.3	15.5	10.0	0.3	13.1	598,021
<b>None</b>	28.4	15.5	6.8	2.6	28.2	1.1	1.2	16.3	56,308
<b>Primary</b>	37.3	16.3	3.4	1.1	19.1	8.0	0.3	14.6	239,944
<b>Secondary+</b>	46.2	15.2	2.2	1.3	10.3	13.3	0.1	11.4	301,769

In Mombasa County, 28% of the residents with no formal education, 37% of those with a primary level of education and 46% of those with secondary level of education or above are working for pay. Work for pay is highest in Nairobi at 49% for those with secondary level of education or above this is 3 percentage points above the level in Mombasa.



**Figure 28.3: Mombasa County-Percentage of Population by Education Attainment by Ward**

## Education

A total of 37% of Mombasa County residents have secondary level of education or above. Mvita constituency has the highest share of residents with secondary level of education or above at 43%. This is 11 percentage points above Likoni constituency, which has the lowest share of residents with secondary level of education or above. Mvita constituency is 6 percentage points above the county average. Changamwe ward has the highest share of residents with a secondary level of education or above at 56%. This is eight times Mwakirunge ward, which has the lowest share of residents with a secondary level of education or above. Changamwe is 19 percentage points above the county average.

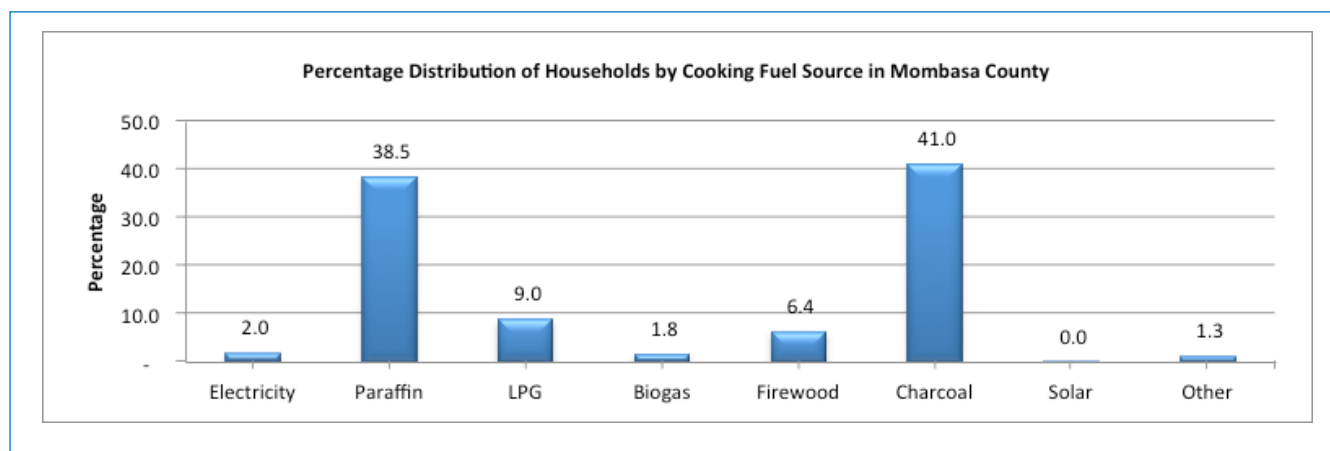
A total of 46% of Mombasa County residents have a primary level of education only. Likoni constituency has the highest share of residents with a primary level of education only at 50%. This is 11 percentage points above Mvita constituency, which has the lowest share of residents with a primary level of education only. Likoni constituency is 4 percentage points above the county average. Shika Adabu ward has the highest share of residents with a primary level of education only at 54%. This is 21 percentage points above Changamwe ward, which has the lowest share of residents with a primary level of education only. Shika Adabu ward is 8 percentage points above the county average.

Some 17% of Mombasa County residents have no formal education. Kisauni constituency has the highest share of residents with no formal education at 19%. This is 6 percentage points above Changamwe constituency, which has the lowest share of residents with no formal education. Kisauni constituency is 2 percentage points above the county average. Mwakirunge ward has the highest percentage of residents with no formal education at 42%. This is almost four times Changamwe ward, which has the lowest percentage of residents with no formal education. Mwakirunge is 25 percentage points above the county average.

## Energy

### Cooking Fuel

**Figure 28.4: Percentage Distribution of Households by Source of Cooking Fuel in Mombasa County**



Only 9% of residents in Mombasa County use liquefied petroleum gas (LPG), and 39% use paraffin. 6% use firewood and 41% use charcoal. The most common cooking fuel among male headed households is paraffin and charcoal at 40% each while the most common cooking fuels for female headed households is charcoal 45%.

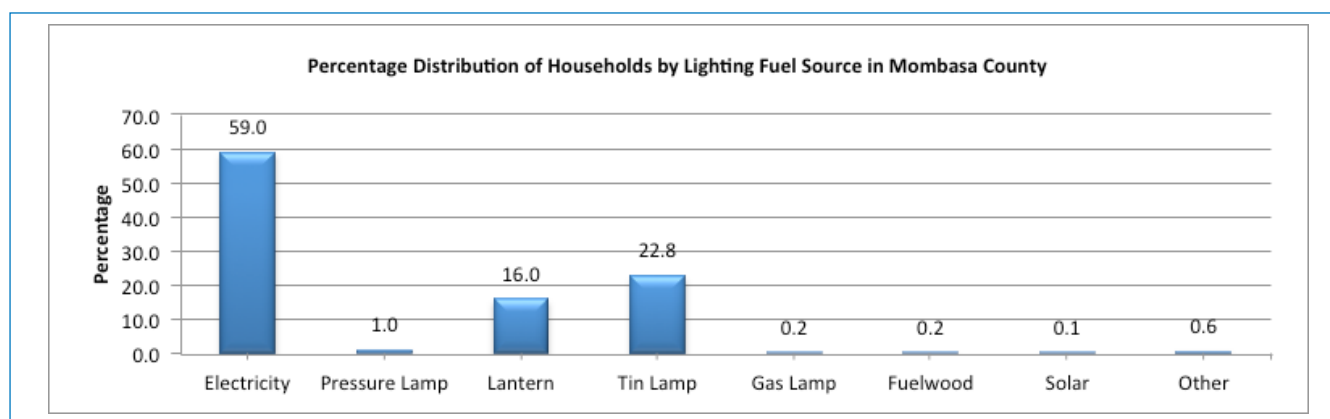
Mvita constituency has the highest level of LPG use in Mombasa County at 23%. This is almost eight times Likoni constituency, which has the lowest share at 3%. Mvita constituency is 14 percentage points above the county average. Shimanzi/Ganjoni ward has the highest level of LPG use in Mombasa County at 31%. This is 31 percentage points above Mwakirunge ward, which has the lowest share. Shimanzi/Ganjoni is 22 percentage points above the county average.

Likoni constituency has the highest level of charcoal use in Mombasa County at 46%. This is 9 percentage points more than Nyali constituency, which has the lowest share at 37%. Likoni constituency is about 5 percentage points above the county average. Majengo ward has the highest level of charcoal use in Mombasa County at 58%. This is 19 times the level in Mwakirunge ward, which has the lowest share at 3%. Majengo ward is 17 percentage points above the county average.

Changamwe constituency has the highest level of use of paraffin in Mombasa County at 49%. This is twice Mvita constituency, which has the lowest share at 20%. Changamwe constituency is 10 percentage points higher than the county average. Two wards, Chaani and Kipevu, have the highest level of use of paraffin in Mombasa County at 56% each. This is 55 percentage points above Mwakirunge ward, which has the lowest share. Chaani and Kipevu are 17 percentage points above the county average.

## Lighting

**Figure 28.5: Percentage Distribution of Households by Source of Lighting Fuel in Mombasa County**



A total of 59% of residents in Mombasa County use electricity as their main source of lighting. A further 16% use lanterns, and 23% use tin lamps. 0.2% use fuel wood. Electricity use is mostly common in female headed households at 62% compared with male headed households at 58%.

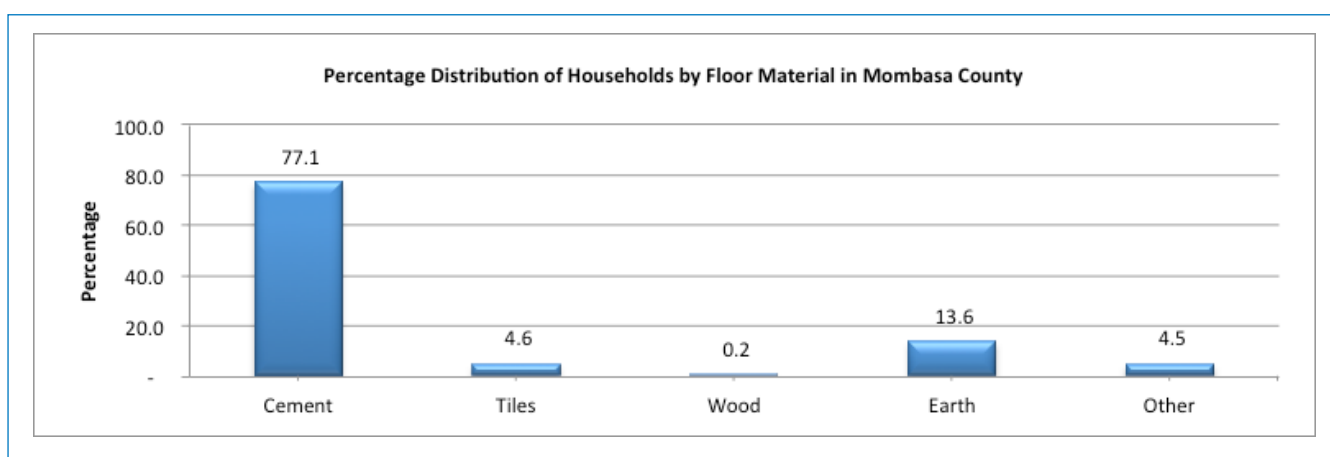
Mvita constituency has the highest level of electricity use at 82%. That is twice Jomvu constituency, which has the lowest level of electricity use. Mvita constituency is 23 percentage points above the county average. Mji wa Kale/Makadara ward has the highest level of electricity use at 97%. This is 95 percentage points above Mwakirunge ward, which has the lowest level of electricity use. Mji wa Kale/Makadara ward is 38 percentage points above the county average.

## Housing

### Flooring

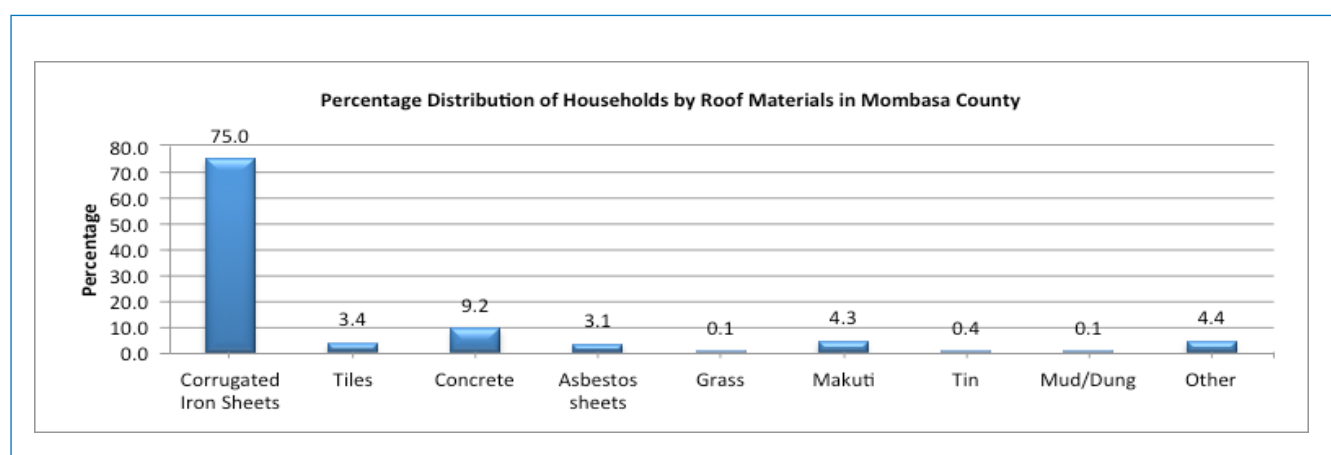
In Mombasa County, 77% of residents have homes with cement floors, while 14% have earth floors. Less than 1% has wood and 5% have tile floors. Likoni constituency has the highest share of cement floors at 85%. This is 19 percentage points above Jomvu constituency, which has the lowest share of cement floors. Likoni constituency is 8 percentage points above the county average. Changamwe ward has the highest share of cement floors at 95%. This is almost 14 times Mwakirunge ward, which has the lowest share of cement floors. Changamwe ward is 18 percentage points above the county average.

**Figure 28.6: Percentage Distribution of Households by Floor Material in Mombasa County**



## Roofing

**Figure 28.7: Percentage Distribution of Households by Roof Material in Mombasa County**



In Mombasa County, 9% of residents have homes with concrete roofs, while 75% have corrugated iron roofs. Grass and makuti roofs constitute 4% of homes and less than 1% has mud/dung roofs.

Mvita constituency has the highest share of concrete roofs at 43%. This is 41 percentage points above Likoni constituency, which has the lowest share of concrete roofs. Mvita constituency is 34 percentage points above the county average. Shimanzi/Ganjoni ward has the highest share of concrete roofs at 61%. This is 61 percentage points above Miritini ward, which has no share of concrete roofs. Shimanzi/Ganjoni ward is 52 percentage points above the county average.

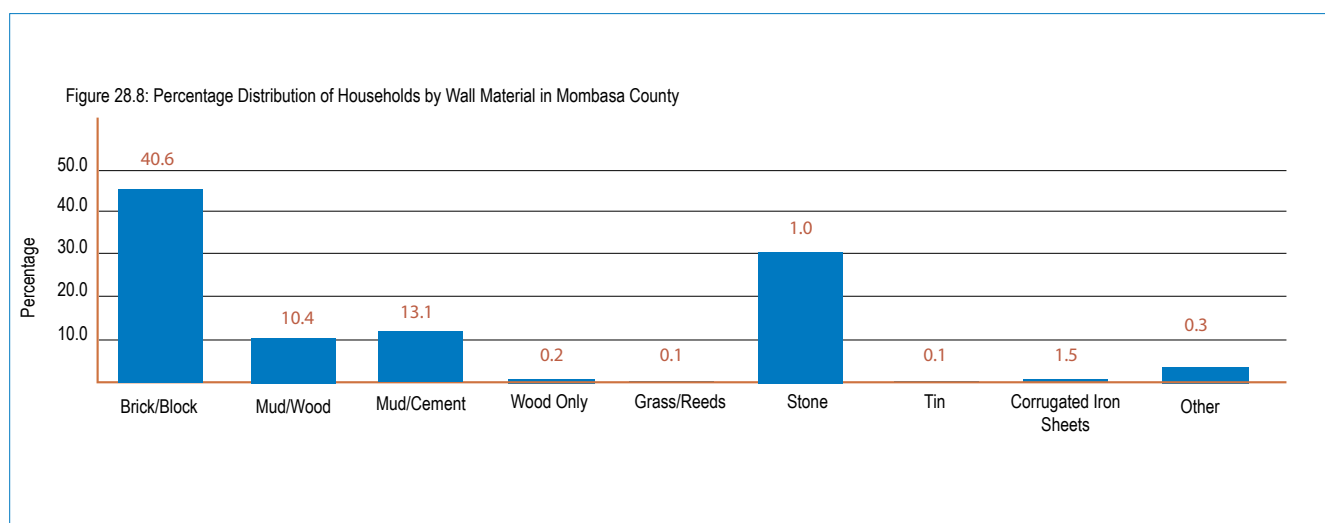
Likoni constituency has the highest share of corrugated iron sheet roofs at 83%. This is almost twice Mvita constituency, which has the lowest share of corrugated iron sheet roofs. Likoni constituency is 8 percentage points above the county average. Likoni ward has the highest share of corrugated iron sheet roofs at 93%. This is five times Shimanzi/Ganjoni ward, which has the lowest share of corrugated iron sheet roofs. Likoni ward is 18 percentage points above the county average.

Kisauni constituency has the highest share of grass/makuti roofs at 7%. This is 7 percentage points above Mvita constituency, which has the lowest share of grass/makuti roofs. Kisauni constituency is 3 percentage points above the county average. Mwakirunge ward has the highest share of grass/makuti roofs at 65%. This is 65 percentage points above Changamwe ward, which has the lowest share. Mwakirunge ward is 61 percentage points above the county average.



## Walls

**Figure 28.8: Percentage Distribution of Households by Wall Material in Mombasa County**



In Mombasa County, 71% of homes have either brick or stone walls. 24% of homes have mud/wood or mud/cement walls. Less than 1% has wood walls. 1% has corrugated iron walls. less than 1% has grass/thatched walls. 5% have tin or other walls.

Likoni constituency has the highest share of brick/stone walls at 85%. That is almost twice Jomvu constituency, which has the lowest share of brick/stone walls. Likoni constituency is 14 percentage points above the county average. Changamwe ward has the highest share of brick/stone walls at 96%. That is almost 11 times Mwakirunge ward, which has the lowest share of brick/stone walls. Changamwe ward is 25 percentage points above the county average.

Jomvu constituency has the highest share of mud with wood/cement walls at 44%. That is five times Likoni constituency, which has the lowest share of mud with wood/cement walls. Jomvu constituency is 20 percentage points above the county average. Mwakirunge ward has the highest share of mud with wood/cement walls at 87%. That is 85 percentage points above Shimanzi/Ganjoni ward, which has the lowest share of mud with wood/cement walls. Mwakirunge ward is 63 percentage points above the county average.

**Percentage of Households with Improved and Unimproved Source of Water - Ward Level - Mombasa County**

**Legend**

- County Boundary
- Unimproved Source of Water
- Improved Source of water
- Water Bodies

**Location of Mombasa County in Kenya**

**Scale:** 0 1.25 2.5 5 Kilometers

The map displays the following wards and their corresponding water source data (Unimproved Source of Water in brown, Improved Source of water in blue):

- JOMUUKUU
- MIAKURUNGE
- MIAKURUNGE
- BAMBURI
- SHANZU
- MTORANGA
- JUNDA
- KACENDANI
- MAKOSONI
- PRENE TOWN
- CHWALA
- CHWALE
- CHANGAMWE
- CHWANE
- KOPEVU
- MAJENGO
- TUDORI
- SHIMAZIGANDU
- TOCHOKA
- MIKIMANI
- ALUWA KALEMIKADARA
- MTONGWE
- BOMBA
- LIKONI
- SHIKADARU
- SHIKADARU

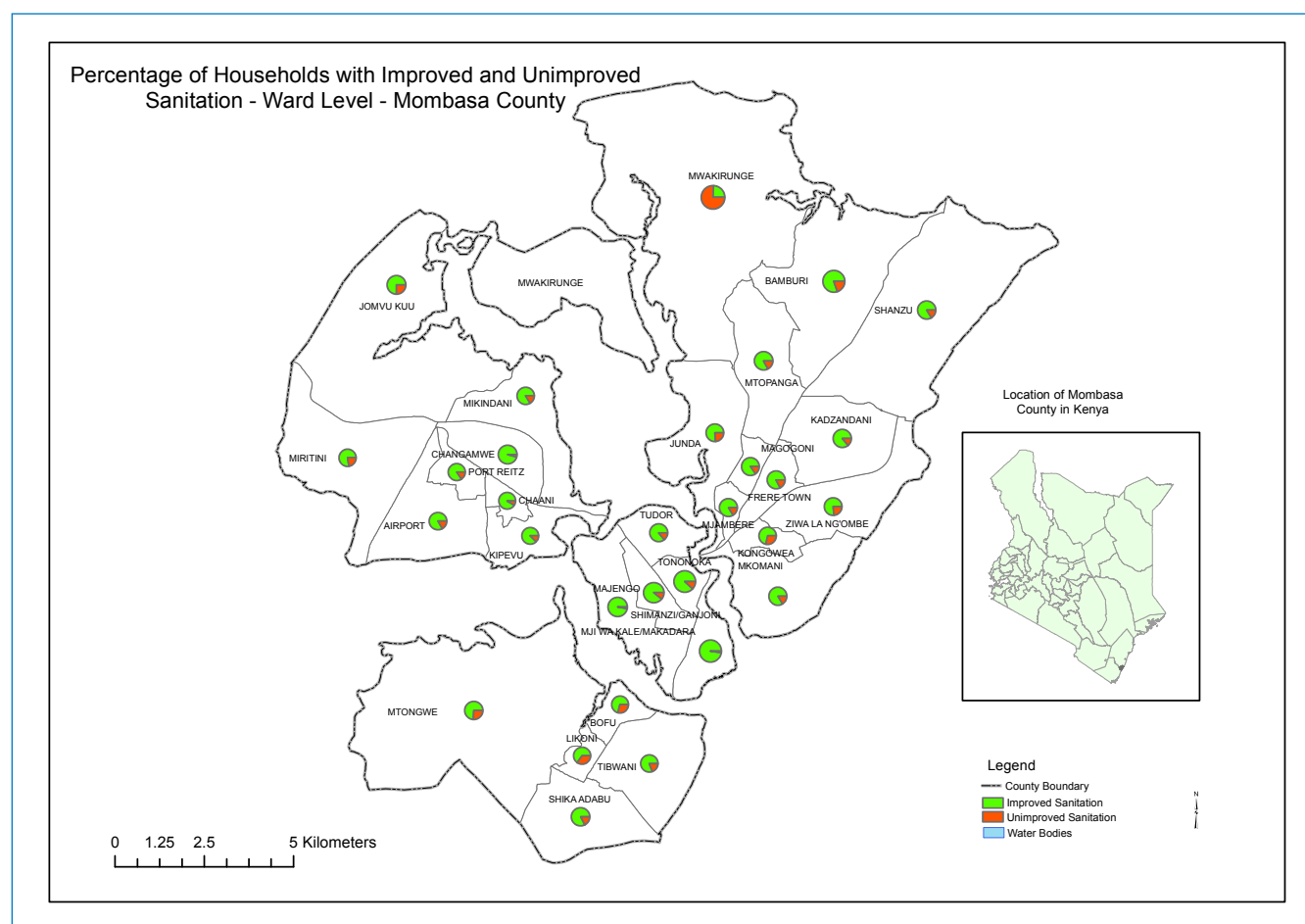
Jomvu constituency has the highest share of residents using improved sources of water at 83%. This is 21 percentage points above Changamwe constituency, which has the lowest share using improved sources of water. Jomvu constituency is 7 percentage points above the county average. Two wards, Changamwe and Mwakirunge, have the highest share of residents using improved sources of water at 95% each. This is twice Kipevu ward, which has the lowest share using improved sources of water. Changamwe and Mwakirunge wards are 19 percentage points above the county average.

## Sanitation

82% of residents in Mombasa County use improved sanitation, while the rest use unimproved sanitation. There is no gender differential in use of improved sanitation facilities at 82% in each.

Mvita constituency has the highest share of residents using improved sanitation at 91%. That is 15 percentage points above Likoni constituency, which has the lowest share using improved sanitation. Mvita constituency is 9 percentage points above the county average. Shimanzi/Ganjoni ward has the highest share of residents using improved sanitation at 98%. That is almost four times Mwakirunge ward, which has the lowest share using improved sanitation. Shimanzi/Ganjoni is 16 percentage points above the county average.

**Figure 28.10: Mombasa County –Percentage of Households with Improved and Unimproved Sanitation by Ward**



## Mombasa County Annex Tables

## 28. MOMBASA

Table 28.1: Gender, Age group, Demographic Indicators and Households Size by County, Constituency and 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
County/Constituency/Wards																		
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
Mombasa County	920,121	473,774	446,347	147,528	306,763	147,705	418,935	598,021	15,337	1.061	0.539	0.513	0.026		59.2	30.4	10.3	265,997
Changamwe Constituency	131,375	69,370	62,005	20,555	41,427	18,893	63,419	88,358	1,590	1.119	0.487	0.469	0.018		64.4	28.9	6.8	41,861
Port Reitz	33,613	17,544	16,069	5,346	10,771	4,811	16,311	22,469	373	1.092	0.496	0.479	0.017		64.3	28.3	7.4	10,571
Kipevu	27,897	14,910	12,987	4,539	8,699	3,728	13,688	18,853	345	1.148	0.480	0.461	0.018		66.6	28.3	5.1	9,374
Airport	29,243	15,513	13,730	4,866	9,736	4,321	13,786	19,142	365	1.130	0.528	0.509	0.019		62.3	30.4	7.4	9,049
Changamwe	10,792	5,395	5,397	1,316	3,236	2,016	4,872	7,427	129	1.000	0.453	0.436	0.017		51.4	36.6	12.0	2,875
Chaani	29,830	16,008	13,822	4,488	8,985	4,017	14,762	20,467	378	1.158	0.457	0.439	0.018		67.9	26.5	5.7	9,992
Jomvu Constituency	114,864	59,243	55,621	20,093	40,423	17,858	52,426	72,995	1,446	1.065	0.574	0.554	0.020		61.4	29.5	9.1	34,831
Jomvu Kuu	36,589	18,646	17,943	6,734	13,645	6,000	15,866	22,383	561	1.039	0.635	0.610	0.025		56.8	31.3	11.9	10,185
Miritini	25,830	13,563	12,267	4,754	9,264	3,927	11,659	16,201	365	1.106	0.594	0.572	0.023		64.4	26.9	8.7	8,130
Mikindani	52,445	27,034	25,411	8,605	17,514	7,931	24,901	34,411	520	1.064	0.524	0.509	0.015		62.8	29.8	7.5	16,516
Kisauni Constituency	188,144	95,632	92,512	32,738	67,603	31,330	83,624	118,029	2,512	1.034	0.594	0.573	0.021		56.4	32.2	11.4	52,182
Mjambere	27,094	14,020	13,074	4,364	8,991	4,260	12,425	17,733	370	1.072	0.528	0.507	0.021		60.6	30.2	9.1	7,971
Junda	39,406	20,933	18,473	7,771	14,676	5,688	18,042	24,383	347	1.133	0.616	0.602	0.014		59.7	31.7	8.6	11,762
Bamburi	21,656	10,317	11,339	3,666	8,268	4,198	8,746	13,007	381	0.910	0.665	0.636	0.029		39.4	41.2	19.4	4,733

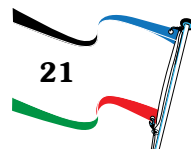
Mwakirunge	8,627	4,159	4,468	1,778	4,207	2,059	2,534	4,145	275	0.931	1.081	1.015	0.066	25.9	36.9	37.2	1492
Mtopanga	26,581	13,380	13,201	4,425	9,223	4,475	12,068	16,995	363	1.014	0.564	0.543	0.021	54.6	33.9	11.5	7273
Magogoni	28,745	14,440	14,305	4,758	9,565	4,467	13,721	18,835	345	1.009	0.526	0.508	0.018	61.4	29.6	9.0	8517
Shanzu	36,035	18,383	17,652	5,976	12,673	6,183	16,088	22,931	431	1.041	0.571	0.553	0.019	58.8	30.6	10.6	10434
Nyali Constituency	183,411	95,274	88,137	28,700	59,391	28,420	84,818	121,221	2,799	1.081	0.513	0.490	0.023	60.7	30.0	9.3	54570
Frere Town	41,597	20,679	20,918	6,408	13,574	6,681	19,316	27,353	670	0.989	0.521	0.496	0.024	59.1	30.9	10.0	11982
Ziwa La Ngombe	40,590	21,873	18,717	6,379	12,842	5,997	19,058	27,186	562	1.169	0.493	0.472	0.021	63.6	27.9	8.5	12692
Mkomani	30,105	15,545	14,560	3,877	8,701	4,729	13,401	20,617	787	1.068	0.460	0.422	0.038	59.8	30.0	10.3	8733
Kongowea	33,000	18,257	14,743	5,597	11,117	4,829	15,403	21,550	333	1.238	0.531	0.516	0.015	63.8	29.5	6.7	10477
Kadzandani	38,119	18,920	19,199	6,439	13,157	6,184	17,640	24,515	447	0.985	0.555	0.537	0.018	56.7	32.3	11.1	10686
Likoni Constituency	164,449	86,385	78,064	28,531	57,250	25,771	77,115	105,162	2,037	1.107	0.564	0.544	0.019	61.9	28.8	9.3	49702
Mtongwe	27,263	14,305	12,958	4,755	10,139	4,714	11,654	16,703	421	1.104	0.632	0.607	0.025	58.3	30.3	11.5	7877
Shika Adabu	25,926	13,052	12,874	4,740	9,855	4,605	11,188	15,667	404	1.014	0.655	0.629	0.026	55.8	32.4	11.8	7183
Bofu	28,928	15,566	13,362	4,628	9,209	4,108	13,863	19,334	385	1.165	0.496	0.476	0.020	65.9	26.9	7.2	9416
Likoni	21,616	11,425	10,191	3,782	7,603	3,441	10,277	13,781	232	1.121	0.569	0.552	0.017	64.6	27.5	8.0	6807
Tibwani	60,716	32,037	28,679	10,626	20,444	8,903	30,133	39,677	595	1.117	0.530	0.515	0.015	62.8	28.3	8.9	18419
Mvita Constituency	137,878	67,870	70,008	16,911	40,669	25,433	57,533	92,256	4,953	0.969	0.495	0.441	0.054	48.4	33.6	18.0	32851
Mji Wa Kale/Makadara	25,109	12,023	13,086	3,174	7,667	4,823	9,239	16,000	1,442	0.919	0.569	0.479	0.090	35.2	36.1	28.6	4871
Tudor	30,785	15,992	14,793	3,883	8,759	4,960	14,480	21,381	645	1.081	0.440	0.410	0.030	60.8	29.9	9.3	9190
Tononoka	25,593	12,428	13,165	3,074	7,579	5,058	10,373	17,028	986	0.944	0.503	0.445	0.058	40.3	37.1	22.6	5512
Shimanzil/Ganjoni	17,626	8,683	8,943	2,017	4,951	3,079	7,557	12,171	504	0.971	0.448	0.407	0.041	52.7	34.0	13.3	4666
Majengo	38,765	18,744	20,021	4,763	11,713	7,513	15,884	25,676	1,376	0.936	0.510	0.456	0.054	45.5	33.7	20.8	8612

Table 28.2: Employment by County, Constituency and Wards

County/Constituency/ Wards	Work for pay	Family Business	Family Agricultural Holding	Intern/ Volunteer	Retired/ Homemaker	Fulltime Student	Incapaci- tated	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
Mombasa County	41.0	15.7	3.1	1.3	15.5	10.0	0.3	13.1	598,021
Changamwe Constituency	44.5	15.8	1.4	1.1	14.3	8.8	0.3	13.9	88,358
Port Reitz	44.4	14.6	1.3	1.1	15.6	8.2	0.3	14.5	22,469
Kipevu	47.3	15.7	1.6	1.2	13.2	8.2	0.3	12.6	18,853
Airport	42.6	14.7	1.3	1.1	16.7	8.8	0.2	14.6	19,142
Changamwe	42.2	15.4	2.1	1.4	9.9	14.9	0.3	13.7	7,427
Chaani	44.7	18.2	1.2	0.9	13.2	7.7	0.2	13.9	20,467
Jomvu Constituency	43.0	14.4	2.6	1.1	14.6	8.8	0.3	15.3	72,995
Jomvu Kuu	40.2	13.6	3.9	1.2	15.0	8.7	0.3	17.0	22,383
Miritini	43.8	13.5	2.2	1.1	16.7	7.4	0.2	15.1	16,201
Mikindani	44.5	15.3	1.9	1.2	13.2	9.5	0.3	14.2	34,411
Kisauni Constituency	38.4	17.2	3.6	1.3	15.4	10.2	0.2	13.7	118,029
Mjambere	39.0	17.7	1.9	1.2	17.1	8.8	0.2	14.2	17,733
Junda	38.4	20.7	2.2	1.1	17.3	7.9	0.3	12.3	24,383
Bamburi	35.1	15.9	4.2	1.5	11.2	13.6	0.3	18.2	13,007
Mwakirunge	22.2	5.6	27.8	1.3	26.6	11.8	0.2	4.4	4,145
Mtopanga	37.9	18.2	3.2	1.9	12.9	10.6	0.3	15.0	16,995
Magogoni	39.8	17.2	3.5	1.1	16.5	9.5	0.2	12.3	18,835
Shanzu	41.8	15.2	2.3	1.1	13.5	11.8	0.1	14.1	22,931
Nyali Constituency	43.0	17.4	3.0	1.3	14.2	9.6	0.2	11.4	121,221
Frere Town	40.4	17.3	2.6	1.5	16.9	9.8	0.2	11.3	27,353
Ziwa La Ngombe	45.6	18.4	3.9	1.1	12.5	8.8	0.3	9.5	27,186
Mkomani	42.6	16.7	2.3	1.5	15.1	10.9	0.3	10.7	20,617
Kongowea	44.3	17.9	2.5	1.1	12.7	8.1	0.2	13.3	21,550
Kadzandani	42.3	16.8	3.2	1.4	13.4	10.3	0.2	12.4	24,515
Likoni Constituency	40.5	15.1	4.2	1.4	16.0	8.9	0.3	13.6	105,162
Mtongwe	39.7	11.7	5.0	1.2	19.3	10.8	0.3	12.0	16,703
Shika Adabu	33.9	17.6	3.8	1.6	19.6	9.8	0.5	13.3	15,667
Bofu	42.8	14.1	3.5	1.1	16.0	7.8	0.3	14.4	19,334
Likoni	39.4	15.6	3.1	1.4	16.3	8.9	0.4	15.1	13,781
Tibwani	42.8	15.7	4.8	1.5	13.2	8.1	0.2	13.6	39,677
Mvita Constituency	37.2	13.0	3.6	1.6	18.6	13.9	0.4	11.7	92,256
Mji Wa Kale/Makadara	30.7	12.3	7.7	2.2	23.1	14.2	0.7	9.2	16,000
Tudor	45.3	14.6	4.1	1.5	11.5	12.4	0.4	10.3	21,381
Tononoka	33.5	13.3	1.8	1.5	21.1	15.6	0.5	12.8	17,028
Shimanzi/Ganjoni	45.0	11.2	1.8	1.0	16.1	15.0	0.2	9.8	12,171
Majengo	33.1	12.7	2.8	1.6	21.4	13.4	0.4	14.6	25,676

Table 28.3: Employment and Education Levels by County, Constituency and Wards

County /constituency/ Wards	Education Totallevel	Work for pay	Family Business	Family Agri- cultural Holding	Intern/ Volunteer	Retired/ Homemaker	Fulltime Student	Incapaci- tated	No work	Number of Individuals
Kenya	Total	23.7	13.1	32.0	1.1	9.2	12.8	0.5	7.7	20,249,800



Kenya	None	11.1	14.0	44.4	1.7	14.7	0.8	1.2	12.1	3,154,356
Kenya	Primary	20.7	12.6	37.3	0.8	9.6	12.1	0.4	6.5	9,528,270
Kenya	Secondary+	32.7	13.3	20.2	1.2	6.6	18.6	0.2	7.3	7,567,174
Rural	Total	15.6	11.2	43.5	1.0	8.8	13.0	0.5	6.3	12,984,788
Rural	None	8.5	13.6	50.0	1.4	13.9	0.7	1.2	10.7	2,614,951
Rural	Primary	15.5	10.8	45.9	0.8	8.4	13.2	0.5	5.0	6,785,745
Rural	Secondary+	21.0	10.1	34.3	1.0	5.9	21.9	0.3	5.5	3,584,092
Urban	Total	38.1	16.4	11.4	1.3	9.9	12.2	0.3	10.2	7,265,012
Urban	None	23.5	15.8	17.1	3.1	18.7	1.5	1.6	18.8	539,405
Urban	Primary	33.6	16.9	16.0	1.0	12.3	9.5	0.4	10.2	2,742,525
Urban	Secondary+	43.2	16.1	7.5	1.3	7.1	15.6	0.2	9.0	3,983,082
Mombasa	Total	41.0	15.7	3.1	1.3	15.5	10.0	0.3	13.1	598,021
Mombasa	None	28.4	15.5	6.8	2.6	28.2	1.1	1.2	16.3	56,308
Mombasa	Primary	37.3	16.3	3.4	1.1	19.1	8.0	0.3	14.6	239,944
Mombasa	Secondary+	46.2	15.2	2.2	1.3	10.3	13.3	0.1	11.4	301,769
Changamwe Constituency	Total	44.5	15.8	1.4	1.1	14.3	8.8	0.3	13.9	88,358
Changamwe Constituency	None	33.9	15.4	2.9	2.7	25.2	1.9	1.4	16.7	5,046
Changamwe Constituency	Primary	40.3	17.1	1.4	0.9	18.6	6.1	0.3	15.4	35,167
Changamwe Constituency	Secondary+	48.7	14.9	1.2	1.1	10.0	11.5	0.2	12.6	48,145
Port Reitz Wards	Total	44.4	14.6	1.3	1.1	15.6	8.2	0.3	14.5	22,469
Port Reitz Wards	None	33.8	14.3	2.2	2.8	26.4	1.6	1.8	17.1	1,252
Port Reitz Wards	Primary	39.7	16.1	1.4	1.1	20.1	5.8	0.3	15.6	9,256
Port Reitz Wards	Secondary+	49.2	13.5	1.0	1.0	10.9	10.8	0.2	13.4	11,961
Kipevu Wards	Total	47.3	15.7	1.6	1.2	13.2	8.2	0.3	12.6	18,853
Kipevu Wards	None	38.1	17.2	2.9	2.9	19.3	1.8	1.8	16.1	961
Kipevu Wards	Primary	43.7	16.7	1.6	0.9	17.4	5.9	0.3	13.5	7,931
Kipevu Wards	Secondary+	51.0	14.7	1.4	1.3	9.3	10.7	0.1	11.6	9,961
Airport Wards	Total	42.6	14.7	1.3	1.1	16.7	8.8	0.2	14.6	19,142
Airport Wards	None	32.6	14.6	3.8	2.7	27.5	1.1	0.9	16.8	1,108
Airport Wards	Primary	37.0	15.7	1.2	1.0	22.0	6.6	0.2	16.5	7,783
Airport Wards	Secondary+	48.0	14.0	1.1	1.0	11.5	11.3	0.2	12.9	10,251



Changamwe Wards	Total	42.2	15.4	2.1	1.4	9.9	14.9	0.3	13.7	7,427
Changamwe Wards	None	34.0	12.7	3.7	3.2	22.9	6.7	0.9	15.9	433
Changamwe Wards	Primary	33.4	18.4	3.0	0.8	16.2	11.4	0.5	16.3	1,484
Changamwe Wards	Secondary+	45.2	14.9	1.8	1.4	7.2	16.5	0.2	12.9	5,510
Chaani Wards	Total	44.7	18.2	1.2	0.9	13.2	7.7	0.2	13.9	20,467
Chaani Wards	None	31.9	16.6	2.6	2.2	27.3	1.3	1.2	16.9	1,292
Chaani Wards	Primary	41.9	19.4	1.3	0.8	15.5	5.4	0.2	15.6	8,713
Chaani Wards	Secondary+	48.7	17.4	1.0	0.9	9.5	10.5	0.2	12.0	10,462
Jomvu Constituency	Total	43.0	14.4	2.6	1.1	14.6	8.8	0.3	15.3	72,995
Jomvu Constituency	None	28.0	15.5	8.0	2.2	25.0	0.7	1.1	19.6	7,353
Jomvu Constituency	Primary	39.1	14.3	2.5	0.9	17.7	7.7	0.2	17.6	31,232
Jomvu Constituency	Secondary+	49.8	14.3	1.5	1.1	9.5	11.6	0.1	12.2	34,410
Jomvu Kuu Wards	Total	40.2	13.6	3.9	1.2	15.0	8.7	0.3	17.0	22,383
Jomvu Kuu Wards	None	21.8	14.7	11.9	1.9	25.7	0.4	1.3	22.2	3,116
Jomvu Kuu Wards	Primary	36.6	13.8	3.6	1.0	17.3	8.2	0.2	19.3	9,731
Jomvu Kuu Wards	Secondary+	49.9	13.1	1.6	1.1	9.2	12.0	0.1	13.0	9,536
Miritini Wards	Total	43.8	13.5	2.2	1.1	16.7	7.4	0.2	15.1	16,201
Miritini Wards	None	31.0	16.4	6.0	2.2	26.8	0.4	0.9	16.5	2,202
Miritini Wards	Primary	41.0	13.2	1.8	0.8	18.5	7.7	0.1	16.9	8,209
Miritini Wards	Secondary+	52.6	12.9	1.3	0.9	10.5	9.7	0.1	12.1	5,790
Mikindani Wards	Total	44.5	15.3	1.9	1.2	13.2	9.5	0.3	14.2	34,411
Mikindani Wards	None	34.3	15.6	4.1	2.6	22.0	1.4	1.0	19.0	2,035
Mikindani Wards	Primary	39.7	15.3	2.1	0.9	17.5	7.2	0.3	16.8	13,292
Mikindani Wards	Secondary+	48.9	15.3	1.4	1.2	9.3	11.9	0.2	11.9	19,084
Kisauni Constituency	Total	38.4	17.2	3.6	1.3	15.4	10.2	0.2	13.7	118,029
Kisauni Constituency	None	25.4	16.0	9.6	2.0	28.1	0.9	0.8	17.2	12,469
Kisauni Constituency	Primary	34.3	17.4	3.9	1.1	19.1	9.3	0.2	14.7	48,492
Kisauni Constituency	Secondary+	44.7	17.3	2.1	1.3	9.5	13.0	0.1	12.0	57,068
Mjambere Wards	Total	39.0	17.7	1.9	1.2	17.1	8.8	0.2	14.2	17,733
Mjambere Wards	None	25.0	20.0	3.1	2.4	30.9	1.7	0.6	16.3	1,600
Mjambere Wards	Primary	33.9	18.6	2.1	0.9	21.4	7.5	0.1	15.6	7,742

Mjambere Wards	Secondary+	46.4	16.5	1.4	1.1	10.6	11.4	0.1	12.5	8,391
Junda Wards	Total	38.4	20.7	2.2	1.1	17.3	7.9	0.3	12.3	24,383
Junda Wards	None	26.8	19.6	5.3	2.1	29.6	0.7	0.9	15.0	2,662
Junda Wards	Primary	36.8	20.4	2.1	0.8	20.1	6.9	0.2	12.8	11,883
Junda Wards	Secondary+	43.4	21.4	1.6	1.1	10.6	11.0	0.1	10.9	9,838
Bamburi Wards	Total	35.1	15.9	4.2	1.5	11.2	13.6	0.3	18.2	13,007
Bamburi Wards	None	21.1	14.8	13.0	1.5	19.0	0.6	1.0	28.9	1,757
Bamburi Wards	Primary	31.4	12.6	4.6	1.1	14.7	14.2	0.2	21.2	4,106
Bamburi Wards	Secondary+	40.7	18.1	1.8	1.7	7.3	16.6	0.1	13.7	7,144
Mwakirunge Wards	Total	22.2	5.6	27.8	1.3	26.6	11.8	0.2	4.4	4,145
Mwakirunge Wards	None	15.4	3.6	36.5	0.7	39.7	0.4	0.7	3.1	1,368
Mwakirunge Wards	Primary	23.4	6.4	24.7	1.7	22.2	16.6	0.0	5.0	2,240
Mwakirunge Wards	Secondary+	35.0	7.5	18.6	0.9	11.9	20.7	-	5.4	537
Mtopanga Wards	Total	37.9	18.2	3.2	1.9	12.9	10.6	0.3	15.0	16,995
Mtopanga Wards	None	28.9	17.1	4.9	3.1	22.0	0.9	0.9	22.2	1,376
Mtopanga Wards	Primary	33.9	18.2	3.5	1.8	16.8	8.8	0.3	16.7	6,387
Mtopanga Wards	Secondary+	42.0	18.3	2.7	1.9	8.9	13.3	0.2	12.8	9,232
Magogoni Wards	Total	39.8	17.2	3.5	1.1	16.5	9.5	0.2	12.3	18,835
Magogoni Wards	None	27.8	16.2	5.9	2.5	29.6	1.1	0.8	16.0	1,670
Magogoni Wards	Primary	34.4	18.3	4.3	0.9	21.3	7.8	0.1	12.9	7,539
Magogoni Wards	Secondary+	46.1	16.4	2.5	1.0	10.4	12.2	0.1	11.2	9,626
Shanzu Wards	Total	41.8	15.2	2.3	1.1	13.5	11.8	0.1	14.1	22,931
Shanzu Wards	None	29.8	16.8	5.5	1.6	26.9	0.7	0.7	18.0	2,036
Shanzu Wards	Primary	35.3	16.1	2.4	1.1	17.0	11.8	0.2	16.2	8,595
Shanzu Wards	Secondary+	48.3	14.4	1.7	1.0	8.9	13.6	0.1	12.1	12,300
Nyali Constituency	Total	43.0	17.4	3.0	1.3	14.2	9.6	0.2	11.4	121,221
Nyali Constituency	None	32.6	17.2	4.7	3.0	26.2	1.2	1.3	13.9	9,281
Nyali Constituency	Primary	40.2	18.3	3.2	1.0	17.4	7.2	0.2	12.6	49,319
Nyali Constituency	Secondary+	46.8	16.8	2.5	1.3	9.9	12.7	0.1	10.1	62,621
Frere Town Wards	Total	40.4	17.3	2.6	1.5	16.9	9.8	0.2	11.3	27,353
Frere Town Wards	None	26.0	16.3	4.1	3.6	33.3	2.0	1.1	13.6	2,154

Frere Town Wards	Primary	34.2	18.3	3.0	1.3	22.7	7.7	0.2	12.7	9,862
Frere Town Wards	Secondary+	46.5	16.8	2.1	1.3	10.9	12.3	0.1	10.1	15,337
Ziwa La Ngombe Wards	Total	45.6	18.4	3.9	1.1	12.5	8.8	0.3	9.5	27,186
Ziwa La Ngombe Wards	None	36.8	18.4	5.8	2.5	22.8	0.8	1.4	11.5	2,242
Ziwa La Ngombe Wards	Primary	44.5	18.9	4.1	0.6	14.8	6.3	0.1	10.7	11,993
Ziwa La Ngombe Wards	Secondary+	48.2	17.9	3.4	1.3	8.6	12.5	0.2	8.0	12,951
Mkomani Wards	Total	42.6	16.7	2.3	1.5	15.1	10.9	0.3	10.7	20,617
Mkomani Wards	None	35.0	14.6	4.4	3.4	27.6	1.5	1.6	11.9	1,249
Mkomani Wards	Primary	40.6	17.4	2.5	1.2	18.4	7.1	0.3	12.5	7,282
Mkomani Wards	Secondary+	44.6	16.5	2.0	1.4	11.8	14.1	0.2	9.4	12,086
Kongowea Wards	Total	44.3	17.9	2.5	1.1	12.7	8.1	0.2	13.3	21,550
Kongowea Wards	None	38.3	19.8	3.5	2.6	16.3	1.3	1.3	17.0	1,445
Kongowea Wards	Primary	41.9	19.4	2.6	0.9	15.3	6.1	0.2	13.7	10,619
Kongowea Wards	Secondary+	47.8	15.9	2.3	1.1	9.3	11.5	0.0	12.2	9,486
Kadzandani Wards	Total	42.3	16.8	3.2	1.4	13.4	10.3	0.2	12.4	24,515
Kadzandani Wards	None	29.6	16.5	5.3	3.0	28.3	0.6	1.1	15.6	2,191
Kadzandani Wards	Primary	38.9	17.1	3.5	1.3	16.6	8.9	0.2	13.5	9,563
Kadzandani Wards	Secondary+	47.0	16.7	2.6	1.1	8.5	13.0	0.1	11.0	12,761
Likoni Constituency	Total	40.5	15.1	4.2	1.4	16.0	8.9	0.3	13.6	105,162
Likoni Constituency	None	29.1	16.8	6.9	2.7	26.6	0.9	0.9	16.1	10,481
Likoni Constituency	Primary	36.5	15.7	4.6	1.2	19.3	8.0	0.3	14.5	47,642
Likoni Constituency	Secondary+	47.1	14.1	3.2	1.3	10.4	11.5	0.1	12.3	47,039
Mtongwe Wards	Total	39.7	11.7	5.0	1.2	19.3	10.8	0.3	12.0	16,703
Mtongwe Wards	None	25.2	13.0	11.8	1.5	32.5	0.6	1.3	14.1	1,656
Mtongwe Wards	Primary	33.8	12.2	5.6	1.0	23.1	10.6	0.3	13.6	7,342
Mtongwe Wards	Secondary+	48.4	11.0	3.0	1.3	12.8	13.3	0.1	10.1	7,705
Shika Adabu Wards	Total	33.9	17.6	3.8	1.6	19.6	9.8	0.5	13.3	15,667
Shika Adabu Wards	None	25.5	18.1	5.2	2.8	31.2	0.6	1.4	15.2	1,966
Shika Adabu Wards	Primary	31.1	18.0	4.1	1.3	22.3	9.7	0.5	13.1	7,999
Shika Adabu Wards	Secondary+	40.7	16.9	2.8	1.6	11.7	13.2	0.3	12.9	5,702
Bofu Wards	Total	42.8	14.1	3.5	1.1	16.0	7.8	0.3	14.4	19,334

Bofu Wards	None	30.5	17.6	5.7	2.5	25.6	1.8	0.9	15.5	1,582
Bofu Wards	Primary	38.4	14.4	3.8	0.9	19.7	6.9	0.2	15.7	8,889
Bofu Wards	Secondary+	49.5	13.2	2.9	1.0	10.6	9.8	0.2	12.9	8,863
Likoni Wards	Total	39.4	15.6	3.1	1.4	16.3	8.9	0.4	15.1	13,781
Likoni Wards	None	26.4	15.7	5.6	2.5	28.1	1.4	0.9	19.5	1,341
Likoni Wards	Primary	36.8	16.9	3.2	1.3	18.2	7.3	0.4	15.9	6,377
Likoni Wards	Secondary+	45.0	14.2	2.4	1.3	11.6	12.2	0.2	13.2	6,063
Tibwani Wards	Total	42.8	15.7	4.8	1.5	13.2	8.1	0.2	13.6	39,677
Tibwani Wards	None	32.9	17.9	6.6	3.3	21.7	0.6	0.6	16.5	3,936
Tibwani Wards	Primary	39.1	16.3	5.4	1.3	16.5	7.0	0.2	14.3	17,035
Tibwani Wards	Secondary+	48.2	14.8	4.0	1.4	8.5	10.8	0.1	12.3	18,706
Mvita Constituency	Total	37.2	13.0	3.6	1.6	18.6	13.9	0.4	11.7	92,256
Mvita Constituency	None	25.5	12.4	6.4	2.9	34.4	1.5	1.5	15.4	11,678
Mvita Constituency	Primary	33.4	13.4	4.5	1.3	24.2	9.6	0.4	13.4	28,092
Mvita Constituency	Secondary+	41.8	12.9	2.5	1.5	12.2	19.0	0.2	9.9	52,486
Mji Wa Kale/Makadara Wards	Total	30.7	12.3	7.7	2.2	23.1	14.2	0.7	9.2	16,000
Mji Wa Kale/Makadara Wards	None	22.8	12.3	12.4	3.9	33.5	1.7	1.8	11.7	3,253
Mji Wa Kale/Makadara Wards	Primary	28.7	10.0	9.7	1.7	27.3	11.4	0.7	10.6	4,534
Mji Wa Kale/Makadara Wards	Secondary+	34.9	13.6	4.7	1.7	16.7	20.7	0.4	7.4	8,213
Tudor Wards	Total	45.3	14.6	4.1	1.5	11.5	12.4	0.4	10.3	21,381
Tudor Wards	None	41.0	14.4	6.4	1.9	20.9	0.8	1.1	13.5	1,795
Tudor Wards	Primary	43.2	16.7	5.2	1.2	15.3	5.9	0.4	12.2	6,866
Tudor Wards	Secondary+	47.1	13.4	3.1	1.7	8.1	17.5	0.3	8.8	12,720
Tononoka Wards	Total	33.5	13.3	1.8	1.5	21.1	15.6	0.5	12.8	17,028
Tononoka Wards	None	20.8	14.6	2.3	2.4	40.2	1.2	1.9	16.6	2,378
Tononoka Wards	Primary	29.7	12.5	2.0	1.1	29.1	10.8	0.4	14.4	4,951
Tononoka Wards	Secondary+	38.6	13.3	1.6	1.5	12.3	21.5	0.2	11.0	9,699
Shimanzi/Ganjoni Wards	Total	45.0	11.2	1.8	1.0	16.1	15.0	0.2	9.8	12,171
Shimanzi/Ganjoni Wards	None	26.7	10.8	3.5	3.5	36.9	1.6	1.4	15.6	693
Shimanzi/Ganjoni Wards	Primary	38.8	13.1	2.4	0.9	24.0	9.5	0.3	11.0	2,717
Shimanzi/Ganjoni Wards	Secondary+	48.3	10.7	1.4	0.9	11.9	17.7	0.1	8.9	8,761

Majengo Wards	Total	33.1	12.7	2.8	1.6	21.4	13.4	0.4	14.6	25,676
Majengo Wards	None	23.2	10.4	4.1	2.6	37.8	1.7	1.3	18.9	3,559
Majengo Wards	Primary	28.7	13.0	3.2	1.4	26.7	10.7	0.3	15.9	9,024
Majengo Wards	Secondary+	38.9	13.2	2.0	1.5	13.3	18.4	0.2	12.5	13,093

Table 28.4: Employment and Education Levels in Male Headed Household by County, Constituency and Wards

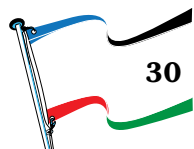
County, Constituency and Wards	Education Level reached	Work for Pay	Family Business	Family Agricultural holding	Internal/ Volunteer	Retired/ Home-maker	Fulltime Student	Incapacitated	No work	Population(15-64)
Kenya National	Total	25.5	13.5	31.6	1.1	9.0	11.4	0.4	7.5	14,757,992
Kenya National	None	11.4	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
Mombasa	Total	42.9	15.5	3.0	1.2	15.7	9.0	0.2	12.5	473,761
Mombasa	None	30.7	13.9	6.6	2.4	28.0	1.1	0.9	16.3	40,144
Mombasa	Primary	39.0	15.9	3.4	1.0	19.6	7.0	0.2	13.9	192,247
Mombasa	Secondary+	48.0	15.4	2.2	1.2	10.5	11.9	0.1	10.7	241,370
Changamwe Constituency	Total	46.4	15.3	1.3	1.0	14.6	7.8	0.2	13.3	70,338
Changamwe Constituency	None	38.7	13.1	2.6	2.2	24.5	1.6	1.0	16.3	3,525
Changamwe Constituency	Primary	41.7	16.4	1.4	0.9	19.4	5.3	0.2	14.8	28,041
Changamwe Constituency	Secondary+	50.6	14.7	1.2	1.0	10.3	10.2	0.1	12.0	38,772
Port Reitz Ward	Total	46.3	14.2	1.2	1.0	15.7	7.2	0.2	14.2	17,600
Port Reitz Ward	None	38.1	12.0	1.6	1.8	26.3	1.6	1.1	17.6	835
Port Reitz Ward	Primary	41.1	15.4	1.4	1.0	20.7	4.8	0.3	15.3	7,198

Port Reitz Ward	Secondary+	50.9	13.5	1.0	0.9	11.1	9.4	0.1	13.0	9,567
Kipevu Ward	Total	48.6	15.4	1.5	1.2	14.0	7.1	0.2	12.1	15,346
Kipevu Ward	None	42.6	14.1	2.6	2.9	20.1	1.3	1.2	15.3	688
Kipevu Ward	Primary	44.1	16.6	1.7	0.8	18.7	4.9	0.2	12.9	6,473
Kipevu Ward	Secondary+	52.6	14.6	1.3	1.3	9.7	9.3	0.1	11.1	8,185
Airport Ward	Total	45.2	14.3	1.2	1.0	16.9	7.7	0.1	13.6	15,486
Airport Ward	None	38.5	12.4	3.0	2.3	24.8	1.1	0.8	17.0	828
Airport Ward	Primary	39.1	15.2	1.1	0.9	22.3	5.7	0.1	15.5	6,283
Airport Ward	Secondary+	50.3	13.8	1.1	0.9	12.0	9.9	0.1	11.9	8,375
Changamwe Ward	Total	45.2	14.8	2.2	1.2	9.8	13.6	0.2	13.0	5,682
Changamwe Ward	None	39.6	11.2	4.6	2.1	21.8	6.7	0.7	13.3	285
Changamwe Ward	Primary	36.0	16.9	3.3	0.8	17.0	9.9	0.4	15.8	1,123
Changamwe Ward	Secondary+	48.0	14.5	1.8	1.3	7.2	15.0	0.1	12.2	4,274
Chaani Ward	Total	46.2	17.6	1.1	0.8	13.5	7.1	0.2	13.4	16,224
Chaani Ward	None	36.2	14.5	2.4	2.1	27.0	0.8	0.9	16.1	889
Chaani Ward	Primary	43.2	18.4	1.2	0.7	16.3	4.9	0.1	15.1	6,964
Chaani Ward	Secondary+	49.8	17.3	0.9	0.8	9.8	9.6	0.1	11.7	8,371
Jomvu Constituency	Total	44.9	13.7	2.5	1.1	14.9	7.9	0.2	14.8	58,080
Jomvu Constituency	None	30.4	12.7	8.2	2.3	24.9	0.7	0.8	20.0	5,250
Jomvu Constituency	Primary	40.5	13.4	2.5	0.9	18.5	6.8	0.2	17.1	25,026
Jomvu Constituency	Secondary+	51.5	14.2	1.4	1.1	9.9	10.1	0.1	11.7	27,804
Jomvu Kuu Ward	Total	41.8	13.3	3.9	1.1	14.8	8.0	0.2	16.8	17,847
Jomvu Kuu Ward	None	23.4	12.6	13.2	1.7	24.5	0.4	1.0	23.2	2,248
Jomvu Kuu Ward	Primary	37.7	13.2	3.6	1.0	17.6	7.5	0.1	19.2	7,819
Jomvu Kuu Ward	Secondary+	51.2	13.7	1.5	1.1	9.3	10.7	0.1	12.4	7,780
Miritini Ward	Total	46.2	12.4	2.1	1.1	17.1	6.6	0.2	14.3	12,847
Miritini Ward	None	33.8	13.2	5.6	2.6	27.1	0.3	0.6	16.8	1,587
Miritini Ward	Primary	42.6	12.3	1.9	0.9	19.4	6.7	0.2	16.1	6,507
Miritini Ward	Secondary+	55.2	12.1	1.3	0.9	10.8	8.5	0.1	11.1	4,753
Mikindani Ward	Total	46.3	14.7	1.8	1.1	14.0	8.3	0.2	13.7	27,386
Mikindani Ward	None	37.7	12.4	3.3	2.8	23.2	1.6	0.6	18.4	1,415

Mikindani Ward	Primary	41.4	14.2	2.1	0.9	18.6	6.4	0.2	16.2	10,700
Mikindani Ward	Secondary+	50.5	15.2	1.4	1.1	9.9	10.3	0.1	11.4	15,271
Kisauni Constituency	Total	40.2	17.0	3.5	1.2	15.8	9.2	0.2	12.9	93,276
Kisauni Constituency	None	27.2	14.0	9.4	1.7	29.0	0.9	0.7	17.0	9,035
Kisauni Constituency	Primary	35.9	17.0	3.9	1.1	19.7	8.3	0.1	14.0	38,938
Kisauni Constituency	Secondary+	46.5	17.5	2.1	1.2	9.9	11.6	0.1	11.2	45,303
Mjambere Ward	Total	41.1	17.5	1.8	1.1	17.1	7.9	0.1	13.4	13,841
Mjambere Ward	None	27.1	17.8	3.2	1.9	31.5	2.5	0.4	15.7	1,077
Mjambere Ward	Primary	35.5	18.2	2.0	1.0	21.8	6.6	0.1	14.8	6,042
Mjambere Ward	Secondary+	48.5	16.8	1.4	1.0	10.6	10.1	0.1	11.7	6,722
Junda Ward	Total	39.8	20.1	2.2	1.0	17.7	7.1	0.2	11.9	20,521
Junda Ward	None	28.4	17.1	5.3	1.9	30.8	0.6	0.9	14.9	2,082
Junda Ward	Primary	38.2	19.5	2.1	0.7	20.6	6.2	0.1	12.4	10,153
Junda Ward	Secondary+	44.7	21.4	1.5	1.1	10.7	9.9	0.1	10.6	8,286
Bamburi Ward	Total	36.3	15.7	4.3	1.4	11.7	12.8	0.2	17.6	9,742
Bamburi Ward	None	21.8	12.1	13.9	1.5	19.7	0.5	0.8	29.7	1,280
Bamburi Ward	Primary	32.3	12.3	4.7	1.2	15.4	13.2	0.2	20.8	3,120
Bamburi Ward	Secondary+	42.1	18.5	1.8	1.6	7.6	15.5	0.1	12.9	5,342
Mwakirunge Ward	Total	24.7	5.6	26.8	1.3	26.5	10.1	0.3	4.7	3,179
Mwakirunge Ward	None	16.6	3.6	34.9	0.7	40.2	0.5	0.7	2.9	1,003
Mwakirunge Ward	Primary	25.7	6.2	24.2	1.8	22.2	14.2	0.1	5.7	1,745
Mwakirunge Ward	Secondary+	39.7	7.4	18.8	0.9	12.5	15.8	-	4.9	431
Mtopanga Ward	Total	39.8	17.9	3.2	1.9	13.4	9.6	0.3	14.0	13,311
Mtopanga Ward	None	32.3	14.8	5.1	3.0	21.7	0.8	0.9	21.4	995
Mtopanga Ward	Primary	35.2	18.1	3.5	1.8	17.4	7.9	0.3	15.8	5,091
Mtopanga Ward	Secondary+	44.1	18.3	2.8	1.7	9.4	11.9	0.1	11.7	7,225
Magogoni Ward	Total	41.7	17.2	3.4	1.0	16.9	8.4	0.1	11.4	14,640
Magogoni Ward	None	30.2	15.7	5.2	1.9	29.5	1.1	0.6	15.8	1,174
Magogoni Ward	Primary	36.1	18.1	4.2	0.7	21.9	7.0	0.1	11.9	5,961
Magogoni Ward	Secondary+	47.9	16.7	2.4	1.0	11.0	10.6	0.1	10.2	7,505
Shanzu Ward	Total	44.0	14.8	2.2	1.0	14.0	10.7	0.1	13.1	18,042



Shanzu Ward	None	31.6	13.7	4.7	1.4	29.5	0.7	0.8	17.6	1,424
Shanzu Ward	Primary	37.6	15.4	2.4	1.1	17.6	10.7	0.1	15.1	6,826
Shanzu Ward	Secondary+	50.2	14.6	1.7	1.0	9.2	12.3	0.1	11.0	9,792
Nyali Constituency	Total	44.7	17.4	2.9	1.2	14.4	8.4	0.2	10.8	97,134
Nyali Constituency	None	35.2	15.4	4.3	2.7	26.4	1.1	0.9	13.9	6,704
Nyali Constituency	Primary	41.9	18.0	3.2	1.0	17.8	6.1	0.1	11.9	40,050
Nyali Constituency	Secondary+	48.2	17.2	2.5	1.2	10.2	11.2	0.1	9.5	50,380
Frere Town Ward	Total	42.2	17.3	2.7	1.4	17.2	8.6	0.2	10.5	21,064
Frere Town Ward	None	28.1	14.9	4.1	3.7	33.0	1.9	1.0	13.3	1,481
Frere Town Ward	Primary	35.8	17.9	3.1	1.3	23.3	6.5	0.1	12.0	7,670
Frere Town Ward	Secondary+	48.1	17.3	2.2	1.2	11.2	10.7	0.1	9.2	11,913
Ziwa La Ngombe Ward	Total	47.2	18.2	3.9	0.9	12.5	7.8	0.2	9.2	22,401
Ziwa La Ngombe Ward	None	39.3	16.4	5.7	2.2	22.9	0.8	1.3	11.5	1,674
Ziwa La Ngombe Ward	Primary	45.9	18.7	4.1	0.6	14.9	5.5	0.1	10.2	10,030
Ziwa La Ngombe Ward	Secondary+	49.6	18.1	3.4	1.0	8.7	11.1	0.2	7.9	10,697
Mkomani Ward	Total	43.8	16.9	2.4	1.4	15.4	9.8	0.2	10.0	16,273
Mkomani Ward	None	38.1	13.2	4.0	3.4	26.9	1.4	1.2	11.9	925
Mkomani Ward	Primary	42.0	17.3	2.7	1.1	19.0	6.1	0.2	11.7	5,703
Mkomani Ward	Secondary+	45.5	17.0	2.0	1.5	12.2	12.8	0.1	8.9	9,645
Kongowea Ward	Total	45.8	17.5	2.4	1.0	13.2	7.1	0.1	12.8	18,223
Kongowea Ward	None	40.9	17.5	2.5	2.4	16.7	1.5	0.7	17.7	1,113
Kongowea Ward	Primary	43.4	19.0	2.5	0.8	16.1	5.3	0.1	13.0	9,031
Kongowea Ward	Secondary+	49.3	16.0	2.3	1.0	9.6	9.8	0.0	12.0	8,079
Kadzandani Ward	Total	44.2	16.8	3.0	1.2	14.0	8.9	0.2	11.8	19,173
Kadzandani Ward	None	31.6	14.4	4.4	2.2	30.8	0.3	0.5	15.6	1,511
Kadzandani Ward	Primary	40.9	16.7	3.2	1.1	17.3	7.4	0.1	13.1	7,616
Kadzandani Ward	Secondary+	48.6	17.2	2.5	1.1	9.0	11.3	0.1	10.3	10,046
Likoni Constituency	Total	42.7	14.7	4.2	1.3	16.1	7.9	0.2	12.9	85,415
Likoni Constituency	None	30.6	15.0	7.0	2.7	26.7	0.9	0.8	16.3	7,557
Likoni Constituency	Primary	38.3	15.2	4.6	1.1	19.8	7.0	0.2	13.8	39,070
Likoni Constituency	Secondary+	49.5	14.1	3.2	1.3	10.3	10.1	0.1	11.4	38,788



Mtongwe Ward	Total	42.7	11.4	4.8	1.1	18.9	9.6	0.2	11.2	13,328
Mtongwe Ward	None	26.8	11.3	12.9	1.4	31.7	0.5	1.0	14.3	1,182
Mtongwe Ward	Primary	36.2	11.7	5.3	0.9	23.5	9.6	0.3	12.5	5,842
Mtongwe Ward	Secondary+	51.6	11.0	2.8	1.3	12.3	11.4	0.0	9.5	6,304
Shika Adabu Ward	Total	36.4	17.0	3.8	1.6	19.5	8.8	0.4	12.6	12,569
Shika Adabu Ward	None	28.8	16.0	5.2	3.2	30.1	0.6	1.3	15.0	1,353
Shika Adabu Ward	Primary	33.2	17.1	4.2	1.2	22.8	8.6	0.4	12.5	6,570
Shika Adabu Ward	Secondary+	43.3	17.1	2.8	1.6	11.7	11.4	0.2	12.0	4,646
Bofu Ward	Total	45.1	13.9	3.6	0.9	15.9	7.0	0.2	13.4	15,651
Bofu Ward	None	32.4	15.6	5.7	2.1	25.9	2.1	0.7	15.3	1,082
Bofu Ward	Primary	40.1	14.3	3.9	0.8	20.1	6.0	0.1	14.7	7,174
Bofu Ward	Secondary+	51.8	13.3	2.9	0.9	10.3	8.6	0.2	12.0	7,395
Likoni Ward	Total	41.7	15.2	3.1	1.4	16.2	7.8	0.3	14.4	11,309
Likoni Ward	None	27.7	14.8	5.2	2.6	27.9	1.5	0.7	19.5	995
Likoni Ward	Primary	38.9	16.3	3.1	1.3	18.5	6.2	0.3	15.4	5,315
Likoni Ward	Secondary+	47.4	14.0	2.6	1.2	11.5	10.6	0.2	12.4	4,999
Tibwani Ward	Total	44.3	15.4	4.8	1.5	13.7	7.3	0.1	13.0	32,558
Tibwani Ward	None	33.2	15.9	6.6	3.2	23.1	0.6	0.5	16.9	2,945
Tibwani Ward	Primary	40.4	15.7	5.4	1.3	17.2	6.0	0.1	13.8	14,169
Tibwani Ward	Secondary+	50.0	15.0	3.8	1.3	8.6	9.7	0.1	11.4	15,444
Mvita Constituency	Total	39.0	13.5	3.4	1.5	18.5	13.0	0.4	10.8	69,518
Mvita Constituency	None	27.7	12.7	5.8	2.7	33.2	1.4	1.2	15.3	8,073
Mvita Constituency	Primary	35.6	13.5	4.2	1.2	24.2	8.5	0.4	12.6	21,122
Mvita Constituency	Secondary+	43.0	13.7	2.4	1.4	12.5	17.7	0.2	9.0	40,323
Mji Wa Kale/Makadara Ward	Total	32.0	13.0	6.9	1.8	22.6	14.8	0.6	8.2	12,015
Mji Wa Kale/Makadara Ward	None	24.4	13.4	11.6	3.6	33.0	1.4	1.3	11.4	2,147
Mji Wa Kale/Makadara Ward	Primary	30.6	9.9	9.1	1.5	27.8	10.9	0.8	9.5	3,247
Mji Wa Kale/Makadara Ward	Secondary+	35.2	14.5	4.3	1.5	16.7	21.0	0.3	6.6	6,621
Tudor Ward	Total	47.3	14.7	3.8	1.5	11.7	10.7	0.4	10.0	16,524
Tudor Ward	None	43.7	13.5	5.3	1.4	20.5	0.6	1.1	13.8	1,316
Tudor Ward	Primary	45.4	16.0	5.0	1.2	15.5	4.7	0.3	11.9	5,551

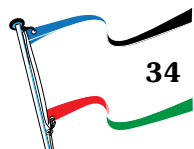
Tudor Ward	Secondary+	48.8	14.2	2.9	1.7	8.4	15.4	0.3	8.4	9,657
Tononoka Ward	Total	34.5	14.2	1.8	1.4	21.3	14.4	0.4	12.0	13,163
Tononoka Ward	None	22.1	15.1	1.9	2.5	38.9	1.0	1.6	16.8	1,751
Tononoka Ward	Primary	31.0	13.1	1.9	1.1	29.2	10.0	0.3	13.2	3,848
Tononoka Ward	Secondary+	39.1	14.5	1.7	1.3	13.2	19.8	0.2	10.2	7,564
Shimanzi/Ganjoni Ward	Total	46.8	11.2	1.6	0.9	16.0	14.4	0.2	9.0	9,460
Shimanzi/Ganjoni Ward	None	28.4	11.1	3.3	3.7	34.8	1.9	1.4	15.4	486
Shimanzi/Ganjoni Ward	Primary	40.6	12.4	1.8	0.7	24.4	9.3	0.1	10.6	2,066
Shimanzi/Ganjoni Ward	Secondary+	49.9	10.8	1.4	0.8	12.1	16.9	0.1	8.0	6,908
Majengo Ward	Total	35.3	13.5	2.7	1.5	21.1	12.2	0.3	13.4	18,356
Majengo Ward	None	26.0	10.1	4.3	2.6	35.7	1.9	0.9	18.5	2,373
Majengo Ward	Primary	30.6	13.6	3.1	1.3	26.7	9.4	0.3	15.0	6,410
Majengo Ward	Secondary+	40.7	14.3	2.0	1.4	13.7	16.7	0.2	11.1	9,573

Table 28.5: 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
Mombasa	Total	33.63	16.27	3.45	1.63	14.69	14.26	0.49	15.58	124,617
Mombasa	None	22.80	19.35	7.25	2.99	28.29	1.24	1.74	16.34	16,192

Mombasa	Primary	30.41	17.99	3.61	1.22	17.09	12.05	0.43	17.21	47,745
Mombasa	Secondary+	39.05	14.09	2.32	1.59	9.18	19.47	0.21	14.09	60,680
Changamwe Constituency	Total	37.10	17.35	1.56	1.43	12.85	13.09	0.52	16.09	18,163
Changamwe Constituency	None	24.06	20.32	3.74	3.61	26.26	2.45	2.26	17.29	1,550
Changamwe Constituency	Primary	34.77	19.54	1.42	1.08	15.61	9.58	0.45	17.56	7,130
Changamwe Constituency	Secondary+	40.98	15.23	1.32	1.34	8.58	17.47	0.28	14.79	9,483
Port Reitz Ward	Total	37.73	16.18	1.38	1.44	14.87	11.89	0.64	15.88	4,869
Port Reitz Ward	None	25.18	18.94	3.60	4.80	26.38	1.68	3.36	16.07	417
Port Reitz Ward	Primary	34.89	18.56	1.41	1.21	17.78	9.18	0.44	16.52	2,058
Port Reitz Ward	Secondary+	42.36	13.66	0.96	1.04	10.36	16.00	0.33	15.29	2,394
Kipevu Ward	Total	41.55	16.82	1.74	1.43	9.95	12.92	0.51	15.08	3,507
Kipevu Ward	None	26.74	24.91	3.66	2.93	17.22	2.93	3.30	18.32	273
Kipevu Ward	Primary	41.70	17.28	1.44	1.10	11.87	10.01	0.55	16.05	1,458
Kipevu Ward	Secondary+	43.69	15.20	1.69	1.46	7.26	16.84	0.06	13.80	1,776
Airport Ward	Total	33.03	16.31	1.64	1.45	15.59	13.25	0.51	18.22	3,721
Airport Ward	None	22.98	19.09	5.50	3.56	32.36	0.97	0.97	14.56	309
Airport Ward	Primary	28.14	17.76	1.20	1.26	20.29	10.38	0.53	20.43	1,503
Airport Ward	Secondary+	38.50	14.72	1.36	1.26	9.17	17.50	0.42	17.08	1,909
Changamwe Ward	Total	32.32	17.54	1.89	2.01	10.14	19.26	0.63	16.22	1,745
Changamwe Ward	None	22.97	15.54	2.03	5.41	25.00	6.76	1.35	20.95	148
Changamwe Ward	Primary	25.21	22.99	2.22	0.83	13.85	16.07	0.83	18.01	361
Changamwe Ward	Secondary+	35.52	16.18	1.78	1.94	7.28	21.68	0.49	15.13	1,236
Chaani Ward	Total	38.21	19.93	1.43	1.18	11.66	11.96	0.35	15.27	4,321
Chaani Ward	None	22.33	21.34	3.23	2.23	28.04	2.48	1.74	18.61	403
Chaani Ward	Primary	36.51	23.37	1.43	0.80	12.51	7.66	0.23	17.49	1,750
Chaani Ward	Secondary+	42.53	16.88	1.11	1.29	7.93	17.20	0.18	12.87	2,168
Jomvu Constituency	Total	35.71	16.91	2.77	1.28	12.99	12.66	0.51	17.18	14,958
Jomvu Constituency	None	22.01	22.24	7.41	2.09	25.10	0.62	1.90	18.63	2,104
Jomvu Constituency	Primary	33.11	17.85	2.41	0.93	14.43	11.24	0.43	19.60	6,225
Jomvu Constituency	Secondary+	42.50	14.33	1.63	1.34	7.80	17.80	0.15	14.45	6,629
Jomvu Kuu Ward	Total	33.91	14.83	3.87	1.41	15.71	11.69	0.68	17.89	4,544

Jomvu Kuu Ward	None	17.72	20.14	8.75	2.53	28.77	0.46	2.07	19.56	869
Jomvu Kuu Ward	Primary	31.89	16.21	3.39	1.15	16.00	11.26	0.57	19.54	1,919
Jomvu Kuu Ward	Secondary+	44.13	10.71	1.99	1.14	8.94	17.71	0.11	15.26	1,756
Miritini Ward	Total	34.44	18.01	2.53	0.95	15.15	10.49	0.30	18.13	3,354
Miritini Ward	None	23.74	24.55	6.83	1.30	25.85	0.49	1.63	15.61	615
Miritini Ward	Primary	34.78	16.57	1.59	0.65	14.98	11.46	-	19.98	1,702
Miritini Ward	Secondary+	40.21	16.49	1.54	1.25	9.06	14.85	-	16.59	1,037
Mikindani Ward	Total	37.46	17.72	2.17	1.35	10.21	14.31	0.51	16.27	7,060
Mikindani Ward	None	26.29	22.90	6.13	2.26	19.19	0.97	1.94	20.32	620
Mikindani Ward	Primary	32.91	19.89	2.23	0.96	12.90	11.10	0.61	19.39	2,604
Mikindani Ward	Secondary+	42.36	15.41	1.49	1.46	6.93	18.64	0.21	13.50	3,836
Kisauni Constituency	Total	31.41	18.07	4.06	1.56	13.96	13.98	0.36	16.61	24,758
Kisauni Constituency	None	20.64	21.28	10.06	2.59	25.76	0.99	1.02	17.67	3,440
Kisauni Constituency	Primary	27.44	18.99	4.22	1.15	16.68	13.37	0.36	17.81	9,553
Kisauni Constituency	Secondary+	37.79	16.38	2.17	1.59	8.30	18.28	0.16	15.33	11,765
Mjambere Ward	Total	31.28	18.44	2.23	1.49	17.10	12.05	0.28	17.13	3,900
Mjambere Ward	None	20.26	24.02	3.00	3.38	29.27	1.88	1.13	17.07	533
Mjambere Ward	Primary	28.02	19.84	2.53	0.59	19.72	10.65	0.18	18.48	1,699
Mjambere Ward	Secondary+	38.13	15.23	1.68	1.80	10.55	16.73	0.12	15.77	1,668
Junda Ward	Total	30.74	23.98	2.36	1.40	15.30	11.73	0.49	14.01	3,862
Junda Ward	None	21.21	28.45	5.34	2.93	25.17	0.86	0.86	15.17	580
Junda Ward	Primary	28.79	25.26	1.68	0.92	16.59	10.75	0.64	15.38	1,730
Junda Ward	Secondary+	36.47	20.88	2.00	1.35	10.18	16.88	0.19	12.05	1,552
Bamburi Ward	Total	31.64	16.48	3.88	1.71	9.87	16.20	0.46	19.75	3,271
Bamburi Ward	None	19.37	21.89	10.74	1.68	17.05	0.63	1.68	26.95	475
Bamburi Ward	Primary	28.73	13.30	4.37	1.22	12.39	16.95	0.30	22.74	985
Bamburi Ward	Secondary+	36.44	16.79	1.82	1.99	6.63	19.88	0.22	16.23	1,811
Mwakirunge Ward	Total	14.08	5.80	30.95	1.04	26.92	17.39	0.21	3.62	966
Mwakirunge Ward	None	12.05	3.56	40.82	0.82	38.36	0.27	0.55	3.56	365
Mwakirunge Ward	Primary	15.15	7.07	26.46	1.21	22.22	25.05	-	2.83	495
Mwakirunge Ward	Secondary+	16.04	7.55	17.92	0.94	9.43	40.57	-	7.55	106



Mtopanga Ward	Total	31.19	19.06	3.04	2.12	11.35	14.22	0.38	18.65	3,684
Mtopanga Ward	None	20.21	23.10	4.46	3.15	22.83	1.05	1.05	24.15	381
Mtopanga Ward	Primary	29.01	18.90	3.63	1.54	14.20	12.19	0.39	20.14	1,296
Mtopanga Ward	Secondary+	34.68	18.39	2.39	2.29	7.32	18.04	0.25	16.64	2,007
Magogoni Ward	Total	33.37	16.97	3.84	1.60	14.87	13.35	0.41	15.59	4,195
Magogoni Ward	None	22.02	17.58	7.47	3.84	30.10	1.21	1.41	16.36	495
Magogoni Ward	Primary	28.26	18.90	4.36	1.52	19.09	11.06	0.38	16.43	1,582
Magogoni Ward	Secondary+	39.85	15.39	2.60	1.13	8.17	17.89	0.19	14.78	2,118
Shanzu Ward	Total	33.81	16.78	2.60	1.29	11.74	15.51	0.20	18.05	4,880
Shanzu Ward	None	25.70	24.06	7.36	1.96	20.79	0.82	0.49	18.82	611
Shanzu Ward	Primary	26.39	18.69	2.32	1.25	14.33	16.19	0.34	20.50	1,766
Shanzu Ward	Secondary+	41.03	13.66	1.64	1.16	7.71	18.62	0.04	16.14	2,503
Nyali Constituency	Total	36.15	17.62	3.14	1.72	13.02	14.36	0.42	13.58	24,094
Nyali Constituency	None	25.77	21.77	5.90	3.69	25.57	1.36	2.17	13.78	2,577
Nyali Constituency	Primary	32.98	19.59	3.34	1.30	15.36	11.83	0.28	15.33	9,265
Nyali Constituency	Secondary+	40.73	15.25	2.42	1.62	8.61	19.00	0.16	12.21	12,252
Frere Town Ward	Total	34.38	17.19	2.26	1.61	16.11	14.02	0.35	14.09	6,289
Frere Town Ward	None	21.40	19.17	4.16	3.27	34.18	2.38	1.34	14.12	673
Frere Town Ward	Primary	28.51	19.84	2.55	0.96	20.57	11.82	0.27	15.47	2,192
Frere Town Ward	Secondary+	40.68	15.10	1.69	1.69	9.70	17.73	0.20	13.20	3,424
Ziwa La Ngombe Ward	Total	38.13	19.04	4.07	1.90	12.12	13.50	0.33	10.91	4,794
Ziwa La Ngombe Ward	None	29.23	24.12	6.34	3.52	22.54	0.70	1.94	11.62	568
Ziwa La Ngombe Ward	Primary	37.23	20.09	4.08	0.76	13.82	10.71	0.10	13.21	1,961
Ziwa La Ngombe Ward	Secondary+	41.15	16.87	3.49	2.47	8.04	19.12	0.13	8.74	2,265
Mkomani Ward	Total	37.94	15.81	2.16	1.52	14.07	14.99	0.48	13.03	4,344
Mkomani Ward	None	26.23	18.52	5.56	3.40	29.63	1.85	2.78	12.04	324
Mkomani Ward	Primary	35.47	17.67	2.03	1.71	16.28	10.96	0.44	15.45	1,579
Mkomani Ward	Secondary+	41.09	14.26	1.80	1.15	10.57	19.34	0.20	11.59	2,441
Kongowea Ward	Total	35.58	19.73	3.25	1.53	9.83	13.83	0.51	15.73	3,325
Kongowea Ward	None	29.52	27.41	6.63	3.01	15.06	0.60	3.01	14.76	332
Kongowea Ward	Primary	33.86	21.88	3.28	1.45	10.78	10.53	0.32	17.91	1,586

Kongowea Ward	Secondary+	38.95	15.49	2.42	1.28	7.53	20.68	0.14	13.50	1,407
Kadzandani Ward	Total	35.36	17.00	4.08	1.97	11.33	15.33	0.47	14.47	5,342
Kadzandani Ward	None	25.15	21.18	7.06	4.71	22.79	1.03	2.50	15.59	680
Kadzandani Ward	Primary	31.02	18.49	4.57	1.75	14.02	14.74	0.31	15.10	1,947
Kadzandani Ward	Secondary+	41.03	14.88	2.98	1.44	6.52	19.34	0.07	13.74	2,715
Likoni Constituency	Total	31.07	16.70	4.38	1.65	15.66	13.29	0.54	16.70	19,737
Likoni Constituency	None	25.31	21.60	6.48	2.88	25.96	0.72	1.34	15.71	2,916
Likoni Constituency	Primary	28.27	18.04	4.57	1.30	16.83	12.85	0.56	17.57	8,598
Likoni Constituency	Secondary+	36.05	13.56	3.44	1.57	10.79	18.22	0.24	16.14	8,223
Mtongwe Ward	Total	27.60	13.30	5.78	1.34	20.60	15.43	0.49	15.46	3,286
Mtongwe Ward	None	21.21	17.75	9.09	1.73	33.33	0.87	2.16	13.85	462
Mtongwe Ward	Primary	24.07	14.06	6.63	1.22	21.30	14.40	0.34	17.99	1,479
Mtongwe Ward	Secondary+	33.68	10.93	3.72	1.34	15.46	21.56	0.07	13.23	1,345
Shika Adabu Ward	Total	23.51	20.17	3.63	1.85	19.66	14.30	1.02	15.86	3,139
Shika Adabu Ward	None	18.40	22.64	5.37	2.12	33.71	0.49	1.63	15.64	614
Shika Adabu Ward	Primary	21.54	22.23	3.37	1.86	19.68	14.87	0.96	15.49	1,453
Shika Adabu Ward	Secondary+	29.10	15.95	2.99	1.68	11.57	21.46	0.75	16.51	1,072
Bofu Ward	Total	33.08	14.99	3.35	1.57	16.26	11.96	0.41	18.39	3,703
Bofu Ward	None	26.25	22.04	5.61	3.21	24.85	1.00	1.20	15.83	499
Bofu Ward	Primary	31.11	14.86	3.40	1.27	17.51	11.64	0.29	19.93	1,736
Bofu Ward	Secondary+	37.74	12.74	2.52	1.36	11.85	16.08	0.27	17.44	1,468
Likoni Ward	Total	28.92	17.44	3.16	1.50	16.50	13.79	0.73	17.96	2,472
Likoni Ward	None	22.54	18.21	6.65	2.02	28.61	1.16	1.45	19.36	346
Likoni Ward	Primary	26.27	19.49	3.95	1.04	17.04	12.43	1.04	18.74	1,062
Likoni Ward	Secondary+	33.65	15.13	1.22	1.79	12.03	19.27	0.19	16.73	1,064
Tibwani Ward	Total	35.70	17.37	5.03	1.79	11.03	12.39	0.36	16.32	7,137
Tibwani Ward	None	31.96	23.72	6.33	4.02	17.39	0.50	0.80	15.28	995
Tibwani Ward	Primary	32.88	19.35	5.06	1.19	12.59	11.92	0.45	16.56	2,868
Tibwani Ward	Secondary+	39.31	13.71	4.61	1.65	7.73	16.40	0.15	16.43	3,274
Mvita Constituency	Total	31.47	11.26	4.27	1.98	18.99	17.24	0.63	14.15	22,907
Mvita Constituency	None	20.64	11.84	7.57	3.22	37.25	1.66	2.14	15.67	3,605

Mvita Constituency	Primary	26.86	12.98	5.25	1.51	24.18	12.79	0.52	15.93	6,974
Mvita Constituency	Secondary+	37.25	10.12	2.75	1.89	10.72	24.32	0.26	12.69	12,328
Mji Wa Kale/Makadara Ward	Total	25.60	9.66	9.61	3.03	23.65	15.85	1.16	11.44	4,152
Mji Wa Kale/Makadara Ward	None	19.89	10.22	14.10	4.52	34.36	2.08	2.62	12.21	1,106
Mji Wa Kale/Makadara Ward	Primary	23.89	10.01	11.25	2.48	25.91	12.57	0.54	13.34	1,289
Mji Wa Kale/Makadara Ward	Secondary+	30.45	9.05	5.58	2.50	15.25	26.92	0.68	9.56	1,757
Tudor Ward	Total	38.73	13.94	4.90	1.71	10.71	18.32	0.39	11.30	4,857
Tudor Ward	None	33.61	16.91	9.39	3.13	21.92	1.46	0.84	12.73	479
Tudor Ward	Primary	33.92	19.39	5.86	1.06	14.60	11.18	0.46	13.54	1,315
Tudor Ward	Secondary+	41.59	11.13	3.79	1.76	7.28	24.03	0.29	10.12	3,063
Tononoka Ward	Total	30.39	10.27	1.76	1.78	20.25	19.32	0.67	15.55	3,866
Tononoka Ward	None	17.07	13.24	3.19	2.23	43.86	1.59	2.71	16.11	627
Tononoka Ward	Primary	25.18	10.51	2.08	1.00	28.62	13.41	0.63	18.57	1,104
Tononoka Ward	Secondary+	37.00	9.27	1.17	2.06	8.99	27.59	0.09	13.82	2,135
Shimanzi/Ganjoni Ward	Total	38.77	11.43	2.40	1.40	16.27	16.89	0.41	12.43	2,711
Shimanzi/Ganjoni Ward	None	22.71	10.14	3.86	2.90	42.03	0.97	1.45	15.94	207
Shimanzi/Ganjoni Ward	Primary	33.18	15.36	4.45	1.23	22.58	10.14	0.77	12.29	651
Shimanzi/Ganjoni Ward	Secondary+	42.53	10.20	1.51	1.30	11.17	21.05	0.16	12.09	1,853
Majengo Ward	Total	27.85	10.85	2.84	1.88	22.20	16.35	0.56	17.47	7,321
Majengo Ward	None	17.62	10.88	3.71	2.61	41.82	1.52	2.02	19.81	1,186
Majengo Ward	Primary	23.90	11.66	3.52	1.53	26.65	14.11	0.42	18.20	2,615
Majengo Ward	Secondary+	34.23	10.23	2.05	1.90	12.27	23.01	0.17	16.14	3,520

Table 28.6: 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
Mombasa County	0.024	5,790	0.041	0.365
Changamwe Constituency	0.003	5,720	0.0058	0.357
Port Reitz	0.001	5,600	0.0015	0.356
Kipevu	0.001	5,500	0.0012	0.357
Airport	0.001	5,760	0.0013	0.349
Changamwe	0.000	7,760	0.0007	0.323



Chaani	0.001	5,310	0.0012	0.359
Jomvu Constituency	0.003	6,040	0.0054	0.367
Jomvu Kuu	0.001	6,050	0.0017	0.382
Miritini	0.001	5,720	0.0011	0.380
Mikindani	0.001	6,190	0.0025	0.348
Kisauni Constituency	0.005	5,530	0.0081	0.394
Mjambere	0.001	5,870	0.0012	0.359
Junda	0.001	5,520	0.0017	0.383
Bamburi	0.001	5,700	0.0010	0.433
Mwakirunge	0.000	1,370	0.0001	0.511
Mtopanga	0.001	6,010	0.0012	0.360
Magogoni	0.001	5,650	0.0013	0.356
Shanzu	0.001	5,710	0.0016	0.377
Nyali Constituency	0.005	5,770	0.0082	0.356
Frere Town	0.001	5,830	0.0019	0.354
Ziwa La Ngombe	0.001	5,840	0.0018	0.353
Mkomani	0.001	5,500	0.0013	0.348
Kongowea	0.001	5,540	0.0014	0.355
Kadzandani	0.001	6,060	0.0018	0.364
Likoni Constituency	0.004	5,920	0.0075	0.364
Mtongwe	0.001	5,300	0.0011	0.405
Shika Adabu	0.001	5,850	0.0012	0.365
Bofu	0.001	5,950	0.0013	0.354
Likoni	0.001	5,970	0.0010	0.350
Tibwani	0.002	6,200	0.0029	0.354
Mvita Constituency	0.004	5,850	0.0062	0.343
Mji Wa Kale/Makadara	0.001	5,050	0.0010	0.346
Tudor	0.001	5,850	0.0014	0.350
Tononoka	0.001	6,010	0.0012	0.338
Shimanzi/Ganjoni	0.000	6,460	0.0009	0.331
Majengo	0.001	6,000	0.0018	0.336

Table 28.7: 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
Mombasa County	16.9	46.1	37.0	832,566
Changamwe Constituency	13.0	46.0	41.0	119,035
Port Reitz	13.5	46.7	39.8	30,369
Kipevu	12.7	47.3	40.0	25,206
Airport	13.4	47.0	39.7	26,264
Changamwe	11.6	32.6	55.8	10,053
Chaani	13.0	48.0	39.0	27,143
Jomvu Constituency	18.2	47.9	33.9	102,808
Jomvu Kuu	22.4	47.9	29.7	32,630
Miritini	21.0	53.5	25.6	22,924

Mikindani	13.9	45.2	40.9	47,254
Kisauni Constituency	19.0	46.8	34.3	169,080
Mjambere	16.6	48.8	34.7	24,490
Junda	19.6	51.7	28.7	34,687
Bamburi	22.1	40.8	37.1	19,643
Mwakirunge	41.9	51.0	7.1	7,695
Mtopanga	15.6	45.1	39.3	23,869
Magogoni	16.6	45.9	37.6	25,946
Shanzu	17.2	44.6	38.2	32,750
Nyali Constituency	14.9	46.7	38.4	166,378
Frere Town	15.1	43.7	41.2	37,799
Ziwa La Ngombe	15.3	48.7	35.9	36,864
Mkomani	12.1	42.6	45.3	27,748
Kongowea	14.3	53.3	32.4	29,668
Kadzandani	16.8	45.4	37.8	34,299
Likoni Constituency	18.1	49.6	32.3	147,594
Mtongwe	19.3	48.8	31.8	24,605
Shika Adabu	20.8	54.2	25.0	23,167
Bofu	16.0	49.9	34.2	26,191
Likoni	17.9	50.5	31.6	19,431
Tibwani	17.4	47.7	35.0	54,200
Mvita Constituency	18.2	39.1	42.7	127,671
Mji Wa Kale/Makadara	25.2	36.9	38.0	23,146
Tudor	14.0	40.1	46.0	28,430
Tononoka	19.0	38.7	42.3	23,739
Shimanzi/Ganjoni	11.9	33.1	55.0	16,515
Majengo	19.4	42.9	37.7	35,841

Table 28.8: 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
Mombasa County	14.4	45.0	40.7	429,280	19.6	47.4	33.0	403,286
Changamwe Constituency	11.5	44.1	44.5	63,100	14.8	48.2	37.0	55,935
Port Reitz	11.7	44.0	44.3	15,925	15.5	49.7	34.8	14,444
Kipevu	11.5	45.7	42.8	13,528	14.0	49.3	36.7	11,678
Airport	11.7	44.5	43.8	14,010	15.2	49.7	35.0	12,254
Changamwe	10.7	30.3	59.0	5,022	12.4	34.9	52.6	5,031
Chaani	11.2	46.9	41.9	14,615	15.1	49.3	35.6	12,528

Jomvu Constituency	15.5	47.0	37.5	53,083	21.0	48.8	30.2	49,725
Jomvu Kuu	18.9	47.7	33.4	16,612	26.1	48.1	25.9	16,018
Miritini	17.3	52.9	29.7	12,103	25.0	54.0	20.9	10,821
Mikindani	12.3	43.7	44.0	24,368	15.5	46.9	37.6	22,886
Kisauni Constituency	16.1	46.1	37.9	85,936	22.0	47.5	30.5	83,144
Mjambere	14.1	46.4	39.6	12,725	19.3	51.4	29.3	11,765
Junda	16.3	50.9	32.8	18,513	23.5	52.5	24.1	16,174
Bamburi	19.3	41.9	38.8	9,286	24.7	39.8	35.6	10,357
Mwakirunge	34.1	55.8	10.0	3,706	49.2	46.5	4.3	3,989
Mtopanga	13.9	44.1	42.1	12,010	17.4	46.2	36.5	11,859
Magogoni	14.4	44.1	41.5	13,030	18.8	47.6	33.6	12,916
Shanzu	14.4	43.5	42.1	16,666	20.2	45.7	34.1	16,084
Nyali Constituency	12.8	45.6	41.6	86,562	17.1	47.8	35.0	79,816
Frere Town	13.0	41.8	45.2	18,704	17.2	45.5	37.3	19,095
Ziwa La Ngombe	13.0	48.4	38.6	19,925	18.1	49.1	32.8	16,939
Mkomani	10.5	41.2	48.3	14,318	13.8	44.2	42.0	13,430
Kongowea	12.5	51.0	36.5	16,544	16.5	56.3	27.2	13,124
Kadzandani	14.4	45.2	40.4	17,071	19.2	45.6	35.2	17,228
Likoni Constituency	15.2	47.9	36.9	77,958	21.3	51.6	27.2	69,636
Mtongwe	16.6	47.4	36.1	12,972	22.5	50.5	27.1	11,633
Shika Adabu	17.7	53.4	28.9	11,675	24.0	55.0	21.1	11,492
Bofu	13.2	47.0	39.8	14,173	19.3	53.2	27.5	12,018
Likoni	15.1	48.8	36.1	10,352	21.2	52.3	26.5	9,079
Tibwani	14.7	46.0	39.3	28,786	20.5	49.5	30.0	25,414
Mvita Constituency	15.4	37.9	46.8	62,641	21.0	40.3	38.7	65,030
Mji Wa Kale/Makadara	20.9	35.4	43.7	10,996	29.0	38.2	32.8	12,150
Tudor	12.3	39.9	47.8	14,749	15.8	40.3	43.9	13,681
Tononoka	16.2	37.3	46.5	11,483	21.7	39.9	38.4	12,256
Shimanzi/Ganjoni	10.3	30.1	59.6	8,145	13.5	36.0	50.5	8,370
Majengo	16.3	41.9	41.9	17,268	22.4	43.9	33.7	18,573

Table 28.9: 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
Mombasa County	2.0	38.5	9.0	1.8	6.4	41.0	0.0	1.3	265,997
Changamwe Constituency	1.4	49.1	6.0	1.3	2.1	38.6	0.0	1.5	41,861
Port Reitz	1.9	46.2	2.9	0.7	1.9	44.9	0.0	1.6	10,571
Kipevu	1.0	55.8	7.6	1.6	2.4	30.3	0.0	1.2	9,374
Airport	0.8	43.5	5.4	0.8	3.7	44.3	0.1	1.5	9,049
Changamwe	3.3	30.7	19.5	3.9	0.7	41.0	0.0	0.9	2,875
Chaani	1.2	56.1	4.3	1.5	1.1	33.9	0.1	1.8	9,992
Jomvu Constituency	1.5	36.0	8.3	0.9	9.0	43.1	0.0	1.1	34,831
Jomvu Kuu	1.1	30.2	6.3	0.6	12.6	48.4	0.0	0.8	10,185
Miritini	0.7	39.3	1.6	0.4	12.8	44.1	0.0	1.0	8,130
Mikindani	2.1	37.9	12.9	1.4	5.0	39.3	0.0	1.4	16,516
Kisauni Constituency	1.7	38.1	7.6	1.6	12.1	37.9	0.0	1.0	52,182
Mjambere	1.7	45.4	4.5	1.2	2.0	43.9	0.1	1.3	7,971
Junda	1.0	40.5	3.4	0.9	10.5	43.0	0.0	0.7	11,762
Bamburi	2.1	19.1	18.5	2.4	28.5	29.0	0.0	0.5	4,733
Mwakirunge	0.5	0.7	0.1	0.1	95.4	3.2	-	0.1	1,492
Mtopanga	1.8	38.6	8.0	2.5	6.1	42.3	0.0	0.7	7,273
Magogoni	1.5	44.8	7.4	2.0	1.8	41.0	0.1	1.5	8,517
Shanzu	2.5	38.0	10.6	1.8	14.7	31.2	0.0	1.1	10,434
Nyali Constituency	2.2	42.4	10.3	2.7	3.7	37.3	0.0	1.2	54,570
Frere Town	2.3	41.1	7.2	3.9	1.7	42.8	0.0	1.1	11,982
Ziwa La Ngombe	2.3	46.7	11.1	2.5	4.1	31.9	0.0	1.4	12,692
Mkomani	2.9	38.4	20.5	1.8	2.4	32.3	0.0	1.7	8,733
Kongowea	1.3	49.0	1.9	1.4	2.5	42.6	0.1	1.3	10,477
Kadzandani	2.4	35.7	12.8	3.8	8.0	36.4	0.0	0.8	10,686
Likoni Constituency	1.5	39.2	2.8	0.7	8.2	46.2	0.1	1.3	49,702
Mtongwe	1.4	35.4	6.4	1.0	18.7	36.1	0.0	1.0	7,877
Shika Adabu	1.3	25.2	1.7	0.5	16.9	53.2	0.1	1.1	7,183
Bofu	1.9	47.4	1.3	0.6	3.2	44.0	0.1	1.4	9,416
Likoni	1.3	39.3	1.8	0.5	5.1	50.5	0.0	1.5	6,807
Tibwani	1.4	42.1	2.8	0.9	4.0	47.3	0.1	1.5	18,419
Mvita Constituency	4.4	20.4	22.7	3.8	1.7	45.1	0.0	1.8	32,851
Mji Wa Kale/Makadara	8.4	4.8	29.6	3.1	2.4	50.6	0.0	0.9	4,871
Tudor	2.6	37.0	19.4	3.3	2.2	32.9	0.1	2.6	9,190
Tononoka	3.2	14.1	25.0	3.4	1.1	51.6	0.0	1.7	5,512
Shimanzi/Ganjoni	8.2	22.9	30.6	3.9	0.8	32.3	0.0	1.2	4,666
Majengo	2.8	14.2	16.5	4.8	1.8	57.9	0.0	2.0	8,612

Table 28.10: 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
Mombasa County	2.0	40.3	8.5	1.7	6.0	39.9	0.0	1.5	206,719
Changamwe Constituency	1.4	50.7	5.8	1.4	1.9	37.0	0.0	1.8	32,464
Port Reitz	1.9	47.9	2.7	0.7	1.4	43.4	0.0	1.9	8,044
Kipevu	0.9	57.0	7.3	1.8	2.3	29.2	0.0	1.5	7,371
Airport	0.7	45.5	5.2	0.8	3.4	42.4	0.1	1.8	7,210
Changamwe	4.0	32.9	19.8	4.2	0.5	37.6	0.0	0.9	2,154
Chalani	1.2	57.4	4.2	1.5	0.9	32.4	0.1	2.2	7,685
Jomvu Constituency	1.5	37.5	8.1	0.9	8.2	42.4	0.0	1.4	26,909
Jomvu Kuu	1.1	31.7	6.2	0.6	11.3	48.0	0.0	1.0	7,928
Miritini	0.7	41.5	1.6	0.4	11.9	42.6	0.0	1.2	6,283
Mikindani	2.0	39.2	12.4	1.5	4.5	38.7	0.0	1.7	12,698
Kisauni Constituency	1.7	39.8	6.9	1.4	11.6	37.4	0.0	1.1	40,298
Mjambere	1.7	48.2	4.3	0.9	1.8	41.6	0.0	1.5	6,129
Junda	1.0	42.1	2.8	0.9	10.0	42.3	0.0	0.8	9,679
Bamburi	2.1	19.3	17.1	2.2	29.3	29.3	0.0	0.6	3,432
Mwakirunge	0.6	0.8	0.1	0.1	94.5	3.6	0.0	0.2	1,096
Mtopanga	1.9	40.0	7.8	2.1	5.8	41.6	0.0	0.8	5,559
Magogoni	1.5	46.1	6.9	1.7	1.7	40.3	0.1	1.8	6,440
Shanzu	2.6	39.7	9.6	1.5	14.2	31.0	0.0	1.3	7,963
Nyali Constituency	2.1	44.3	9.5	2.5	3.4	36.7	0.0	1.4	42,885
Frere Town	2.3	43.1	6.7	3.6	1.4	41.8	0.0	1.2	8,994
Ziwa La Ngombe	2.1	48.4	10.1	2.2	3.8	31.7	0.0	1.7	10,246
Mkomani	2.8	39.8	20.5	1.7	2.3	30.8	0.0	1.9	6,741
Kongowea	1.2	50.4	1.7	1.3	2.2	41.7	0.1	1.4	8,726
Kadzandani	2.4	37.7	11.3	3.5	7.3	36.9	0.0	1.0	8,178
Likoni Constituency	1.5	41.3	2.6	0.7	7.4	44.9	0.1	1.5	39,708
Mtongwe	1.5	38.4	6.0	1.0	17.5	34.4	0.0	1.2	6,247
Shika Adabu	1.4	26.4	1.6	0.5	15.7	53.0	0.1	1.4	5,556
Bofu	2.0	50.1	1.3	0.6	2.4	41.9	0.1	1.7	7,613
Likoni	1.3	41.4	1.6	0.4	4.5	49.0	0.0	1.7	5,503
Tibwani	1.5	43.5	2.6	0.9	3.7	46.3	0.1	1.6	14,789
Mvita Constituency	4.6	21.8	22.9	3.6	1.7	43.1	0.0	2.3	24,455
Mji Wa Kale/Makadara	9.3	5.3	32.4	3.2	2.4	46.3	0.1	1.0	3,687
Tudor	2.4	39.1	17.8	3.0	2.2	32.0	0.1	3.3	7,018
Tononoka	3.2	14.7	25.5	3.2	1.2	50.1	0.0	2.0	4,128
Shimanzi/Ganjoni	8.4	24.5	29.5	3.8	0.8	31.5	0.0	1.5	3,559
Majengo	2.8	15.2	17.3	4.5	1.6	56.0	0.0	2.5	6,063

Table 28.11: Cooking Fuel for Female Headed Households by County, Constituency and Wards

County/Constituency/Wards	Electricity	Paraffin	LPG	Biogas	Firewood	Charcoal	Solar	Other	House-holds
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
Mombasa County	2.0	32.0	10.6	2.3	7.9	44.8	0.0	0.5	59,278

Changamwe Constituency	1.3	43.4	6.5	1.2	2.9	44.3	0.0	0.4	9,397
Port Reitz	1.8	40.5	3.5	0.8	3.2	49.5	0.0	0.7	2,527
Kipevu	1.2	51.5	8.6	1.1	2.7	34.3	0.0	0.4	2,003
Airport	0.8	35.7	6.0	0.8	4.7	51.7	0.1	0.2	1,839
Changamwe	1.2	24.3	18.7	2.8	1.2	51.0	-	0.7	721
Chaani	1.3	51.8	4.5	1.5	1.6	39.1	-	0.3	2,307
Jomvu Constituency	1.4	30.6	9.3	0.9	11.9	45.4	0.0	0.3	7,922
Jomvu Kuu	0.9	24.5	6.7	0.8	17.2	49.6	-	0.2	2,257
Miritini	0.5	31.8	1.8	0.4	16.0	49.2	0.1	0.4	1,847
Mikindani	2.2	33.7	14.5	1.3	6.8	41.2	-	0.4	3,818
Kisauni Constituency	1.5	32.2	10.0	2.4	13.6	39.9	0.0	0.4	11,884
Mjambere	1.9	35.8	5.2	1.8	2.9	51.7	0.1	0.7	1,842
Junda	0.6	33.2	5.8	1.1	12.8	46.3	-	0.2	2,083
Bamburi	2.1	18.5	22.1	2.8	26.2	28.0	-	0.2	1,301
Mwakirunge	-	0.5	-	-	97.7	1.8	-	-	396
Mtopanga	1.5	34.2	8.6	3.5	7.1	44.7	-	0.5	1,714
Magogoni	1.4	40.8	9.1	2.8	2.2	43.0	0.1	0.6	2,077
Shanzu	2.1	32.2	14.1	2.8	16.3	31.9	0.0	0.5	2,471
Nyali Constituency	2.5	35.5	13.2	3.8	5.0	39.4	0.0	0.5	11,685
Frere Town	2.5	35.2	8.7	4.8	2.5	45.7	0.0	0.5	2,988
Ziwa La Ngombe	2.9	39.7	15.1	4.0	5.3	32.8	0.0	0.2	2,446
Mkomani	3.0	33.5	20.5	2.2	2.6	37.3	-	0.9	1,992
Kongowea	1.5	41.7	3.0	2.2	3.9	47.2	0.1	0.5	1,751
Kadzandani	2.4	29.2	17.9	4.8	10.5	34.7	-	0.5	2,508
Likoni Constituency	1.3	31.1	3.4	0.8	11.4	51.5	0.1	0.5	9,994
Mtongwe	1.2	24.2	7.9	0.7	23.4	42.4	0.1	0.1	1,630
Shika Adabu	1.1	21.1	1.8	0.4	21.0	54.1	0.1	0.2	1,627
Bofu	1.7	36.0	1.3	0.7	6.6	53.2	0.2	0.3	1,803
Likoni	1.3	30.1	2.7	0.6	7.9	57.0	-	0.4	1,304
Tibwani	1.3	36.6	3.4	1.0	5.2	51.5	0.0	1.0	3,630
Mvita Constituency	4.0	16.3	22.1	4.3	1.8	51.0	0.0	0.6	8,396
Mji Wa Kale/Makadara	5.6	3.5	20.9	2.7	2.5	63.9	-	0.8	1,184
Tudor	3.2	29.9	24.4	4.3	2.1	35.5	0.1	0.5	2,172
Tononoka	3.1	12.4	23.4	3.9	0.6	56.0	-	0.6	1,384
Shimanzi/Ganjoni	7.7	17.9	34.3	4.0	0.8	34.9	0.1	0.4	1,107
Majengo	2.7	12.0	14.6	5.5	2.2	62.3	-	0.6	2,549

Table 28.12: 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
Mombasa County	59.0	1.0	16.0	22.8	0.2	0.2	0.1	0.6	206,719
Changamwe Constituency	64.6	0.8	18.2	15.7	0.2	0.1	0.1	0.5	32,464
Port Reitz	66.8	0.7	16.6	15.1	0.2	0.1	0.1	0.5	8,044
Kipevu	55.2	0.9	23.4	19.7	0.1	0.1	0.1	0.6	7,371

Airport	64.8	0.8	17.5	16.4	0.1	0.1	0.1	0.2	7,210
Changamwe	87.5	0.6	7.8	3.6	0.2	0.0	0.1	0.3	2,154
Chaani	64.2	0.8	18.6	15.4	0.4	0.0	0.1	0.4	7,685
Jomvu Constituency	41.3	1.0	23.9	32.1	0.2	0.2	0.2	1.1	26,909
Jomvu Kuu	41.1	1.3	23.1	33.0	0.4	0.2	0.3	0.7	7,928
Miritini	28.4	0.8	30.2	39.3	0.1	0.5	0.2	0.4	6,283
Mikindani	47.8	0.9	21.3	28.0	0.1	0.2	0.2	1.6	12,698
Kisauni Constituency	56.0	1.1	15.5	26.2	0.2	0.1	0.2	0.6	40,298
Mjambere	70.0	1.0	13.0	14.9	0.4	0.1	0.2	0.4	6,129
Junda	38.3	0.7	20.2	39.6	0.2	0.1	0.2	0.6	9,679
Bamburi	57.8	0.3	12.3	28.5	0.2	0.1	0.4	0.4	3,432
Mwakirunge	1.7	0.2	4.8	92.6	0.1	0.4	0.1	0.1	1,096
Mtopanga	62.0	2.4	16.0	18.4	0.0	0.2	0.4	0.6	5,559
Magogoni	75.5	1.0	9.9	12.5	0.1	0.1	0.0	0.9	6,440
Shanzu	51.9	1.3	19.4	25.8	0.5	0.2	0.2	0.7	7,963
Nyali Constituency	60.7	1.2	15.0	22.0	0.2	0.1	0.1	0.6	42,885
Frere Town	80.5	1.3	7.9	9.7	0.2	0.1	0.1	0.3	8,994
Ziwa La Ngombe	46.7	1.6	20.4	29.8	0.3	0.1	0.3	0.9	10,246
Mkomani	75.4	0.9	12.2	10.8	0.1	0.1	0.0	0.4	6,741
Kongowea	44.6	1.0	21.1	32.2	0.1	0.1	0.1	0.8	8,726
Kadzandani	59.0	1.2	13.1	25.6	0.3	0.1	0.1	0.5	8,178
Likoni Constituency	52.8	1.3	16.4	28.5	0.2	0.4	0.1	0.4	39,708
Mtongwe	51.1	0.6	11.6	36.1	0.1	0.1	0.1	0.3	6,247
Shika Adabu	41.5	1.7	21.8	33.4	0.2	0.6	0.1	0.7	5,556
Bofu	57.8	1.1	16.4	23.8	0.1	0.1	0.1	0.6	7,613
Likoni	55.0	1.0	12.8	29.6	0.2	0.6	0.1	0.6	5,503
Tibwani	54.5	1.6	17.6	25.2	0.2	0.4	0.1	0.3	14,789
Mvita Constituency	82.4	0.5	6.5	9.4	0.2	0.3	0.1	0.7	24,455
Mji Wa Kale/Makadara	97.0	0.3	0.8	1.5	0.0	0.0	0.1	0.3	3,687
Tudor	58.4	0.8	12.5	26.1	0.3	0.8	0.1	1.2	7,018
Tononoka	91.8	0.5	2.5	4.2	0.1	0.1	0.1	0.7	4,128
Shimanzi/Ganjoni	83.0	0.4	12.7	2.7	0.0	0.1	0.0	1.0	3,559
Majengo	93.5	0.2	2.7	2.9	0.2	0.1	0.1	0.2	6,063

Table 28.13: 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
Mombasa County	58.3	1.0	16.2	23.3	0.2	0.2	0.2	0.7	206,719
Changamwe Constituency	64.2	0.8	18.0	16.2	0.2	0.1	0.1	0.5	32,464
Port Reitz	66.8	0.7	16.1	15.4	0.2	0.0	0.1	0.6	8,044
Kipevu	54.0	0.9	23.5	20.8	0.1	0.1	0.1	0.7	7,371
Airport	65.1	0.8	17.2	16.3	0.1	0.1	0.1	0.3	7,210
Changamwe	87.8	0.4	7.2	3.9	0.1	0.0	0.0	0.4	2,154
Chaani	63.8	0.9	18.6	15.8	0.3	0.0	0.1	0.4	7,685

Jomvu Constituency	41.1	1.0	23.9	32.1	0.2	0.2	0.2	1.2	26,909
Jomvu Kuu	41.3	1.4	23.3	32.5	0.4	0.1	0.3	0.8	7,928
Miritini	29.0	0.9	29.8	39.1	0.1	0.3	0.2	0.5	6,283
Mikindani	47.1	0.9	21.4	28.5	0.1	0.2	0.2	1.7	12,698
Kisauni Constituency	54.8	1.1	16.0	26.8	0.2	0.1	0.2	0.6	40,298
Mjambere	70.2	1.0	12.9	15.0	0.3	0.1	0.2	0.4	6,129
Junda	37.8	0.8	20.2	40.0	0.2	0.1	0.3	0.6	9,679
Bamburi	55.1	0.3	13.3	30.0	0.2	0.1	0.5	0.5	3,432
Mwakirunge	2.0	0.3	4.8	92.2	0.1	0.3	0.1	0.2	1,096
Mtopanga	60.4	2.5	16.8	19.0	0.0	0.2	0.4	0.6	5,559
Magogoni	74.8	1.0	10.4	12.7	0.1	0.0	0.0	1.0	6,440
Shanzu	50.9	1.3	19.8	26.3	0.5	0.2	0.3	0.8	7,963
Nyali Constituency	59.4	1.3	15.4	22.8	0.2	0.1	0.1	0.7	42,885
Frere Town	80.2	1.2	8.1	9.8	0.2	0.1	0.1	0.3	8,994
Ziwa La Ngombe	45.6	1.7	20.6	30.5	0.3	0.2	0.3	0.9	10,246
Mkomani	74.9	0.9	12.3	11.1	0.1	0.1	0.0	0.5	6,741
Kongowea	44.2	1.0	20.9	32.8	0.1	0.1	0.1	0.9	8,726
Kadzandani	57.5	1.3	13.6	26.4	0.3	0.1	0.1	0.6	8,178
Likoni Constituency	53.3	1.3	16.1	28.2	0.2	0.4	0.1	0.5	39,708
Mtongwe	51.2	0.6	11.5	36.0	0.1	0.1	0.2	0.3	6,247
Shika Adabu	41.7	1.7	21.4	33.4	0.2	0.7	0.1	0.8	5,556
Bofu	58.3	1.1	16.2	23.5	0.1	0.1	0.1	0.6	7,613
Likoni	55.4	1.2	12.9	29.0	0.3	0.5	0.1	0.7	5,503
Tibwani	55.1	1.6	17.2	25.1	0.1	0.4	0.1	0.3	14,789
Mvita Constituency	80.8	0.5	6.9	10.4	0.1	0.3	0.1	0.8	24,455
Mji Wa Kale/Makadara	96.6	0.4	0.8	1.8	0.0	0.0	0.1	0.3	3,687
Tudor	54.9	0.8	13.1	28.5	0.3	0.9	0.1	1.4	7,018
Tononoka	90.8	0.6	2.6	4.8	0.0	0.1	0.1	0.9	4,128
Shimanzi/Ganjoni	82.5	0.4	13.0	2.9	0.1	0.1	0.0	1.1	3,559
Majengo	93.4	0.3	2.7	3.0	0.2	0.1	0.1	0.2	6,063

Table 28.14: 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
Mombasa County	61.8	0.9	15.4	21.0	0.2	0.2	0.1	0.4	59,278
Changamwe Constituency	65.7	0.8	18.7	14.0	0.2	0.1	0.1	0.3	9,397
Port Reitz	66.6	0.7	18.0	14.1	0.1	0.1	0.0	0.3	2,527
Kipevu	59.6	1.0	23.1	15.6	0.1	0.1	0.0	0.4	2,003
Airport	63.3	0.8	18.6	16.6	0.1	0.3	0.2	0.1	1,839
Changamwe	86.4	1.0	9.4	2.6	0.4	-	0.1	-	721
Chaani	65.5	0.6	18.7	14.0	0.6	0.0	0.2	0.4	2,307
Jomvu Constituency	41.8	0.8	23.9	32.0	0.2	0.4	0.2	0.7	7,922
Jomvu Kuu	40.2	0.9	22.7	35.0	0.2	0.3	0.4	0.3	2,257
Miritini	26.2	0.5	31.7	40.1	0.1	0.9	0.3	0.2	1,847



Mikindani	50.2	0.9	20.8	26.4	0.2	0.2	0.1	1.2	3,818
Kisauni Constituency	59.7	1.0	14.0	24.2	0.3	0.2	0.2	0.4	11,884
Mjambere	69.4	1.3	13.5	14.6	0.7	0.1	0.1	0.3	1,842
Junda	40.6	0.6	20.1	37.9	0.1	0.1	0.0	0.4	2,083
Bamburi	64.8	0.2	9.8	24.7	0.1	0.1	0.2	0.2	1,301
Mwakirunge	0.8	-	4.8	93.7	-	0.8	-	-	396
Mtopanga	67.3	2.1	13.3	16.2	0.1	0.2	0.3	0.6	1,714
Magogoni	77.6	1.0	8.7	11.7	0.1	0.1	0.1	0.7	2,077
Shanzu	55.2	1.2	17.8	24.4	0.5	0.3	0.2	0.4	2,471
Nyali Constituency	65.5	1.1	13.7	19.1	0.2	0.1	0.1	0.3	11,685
Frere Town	81.5	1.5	7.4	9.4	0.1	0.0	0.0	0.1	2,988
Ziwa La Ngombe	51.1	1.0	19.4	27.3	0.2	0.1	0.2	0.7	2,446
Mkomani	77.1	0.9	11.8	9.6	0.2	0.2	-	0.3	1,992
Kongowea	46.8	1.0	22.1	29.5	0.1	0.1	0.1	0.3	1,751
Kadzandani	64.0	1.0	11.4	22.8	0.3	0.1	0.1	0.2	2,508
Likoni Constituency	50.8	1.4	17.5	29.5	0.2	0.4	0.0	0.2	9,994
Mtongwe	50.5	0.6	12.0	36.3	0.1	0.2	-	0.2	1,630
Shika Adabu	40.6	2.0	23.2	33.4	0.1	0.4	0.1	0.2	1,627
Bofu	55.4	1.3	17.2	25.3	0.2	0.1	-	0.5	1,803
Likoni	53.4	0.5	12.3	32.3	0.2	0.8	0.2	0.5	1,304
Tibwani	52.3	1.8	19.4	25.8	0.2	0.4	0.0	0.1	3,630
Mvita Constituency	87.1	0.3	5.5	6.2	0.2	0.2	0.1	0.3	8,396
Mji Wa Kale/Makadara	98.1	0.2	0.5	0.7	0.1	-	0.2	0.3	1,184
Tudor	69.7	0.6	10.4	18.1	0.3	0.3	-	0.6	2,172
Tononoka	94.7	0.5	2.2	2.2	0.2	-	0.1	0.1	1,384
Shimanzi/Ganjoni	84.9	0.5	11.8	2.2	-	-	-	0.6	1,107
Majengo	93.8	0.1	2.6	2.7	0.3	0.3	0.1	0.2	2,549

Table 28.15: 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
Mombasa County	77.1	4.6	0.2	13.6	4.5	265,997
Changamwe Constituency	78.7	1.2	0.1	8.6	11.3	41,861
Port Reitz	85.7	0.4	0.1	4.4	9.3	10,571
Kipevu	73.8	1.4	0.2	17.2	7.3	9,374
Airport	90.5	1.2	0.2	7.8	0.3	9,049
Changamwe	95.1	3.8	0.1	1.1	0.0	2,875
Chaani	60.5	1.0	0.1	8.0	30.5	9,992
Jomvu Constituency	65.8	1.8	0.2	25.4	6.8	34,831
Jomvu Kuu	65.7	4.1	0.2	29.5	0.4	10,185
Miritini	69.3	0.4	0.3	27.2	2.8	8,130
Mikindani	64.1	1.1	0.2	21.9	12.6	16,516
Kisauni Constituency	74.6	3.5	0.2	20.5	1.1	52,182
Mjambere	93.3	1.4	0.1	5.2	0.1	7,971
Junda	63.5	1.1	0.2	34.5	0.8	11,762

Bamburi	62.0	7.9	0.0	29.4	0.7	4,733
Mwakirunge	6.5	-	0.7	92.8	-	1,492
Mtopanga	75.2	4.5	0.1	15.8	4.4	7,273
Magogoni	92.1	2.4	0.1	5.0	0.4	8,517
Shanzu	73.9	6.4	0.6	18.1	1.0	10,434
Nyali Constituency	78.6	7.8	0.3	11.5	1.8	54,570
Frere Town	85.9	4.0	0.1	4.0	6.0	11,982
Ziwa La Ngombe	71.1	10.9	0.4	17.3	0.3	12,692
Mkomani	80.7	15.3	0.6	3.0	0.4	8,733
Kongowea	85.0	1.8	0.1	13.0	0.1	10,477
Kadzandani	71.2	8.0	0.3	18.6	1.9	10,686
Likoni Constituency	85.4	0.8	0.2	7.9	5.7	49,702
Mtongwe	78.7	1.2	0.1	13.8	6.2	7,877
Shika Adabu	60.5	0.6	0.1	11.4	27.4	7,183
Bofu	92.7	0.6	0.0	3.5	3.2	9,416
Likoni	93.3	0.7	0.0	5.4	0.6	6,807
Tibwani	91.4	0.9	0.5	7.1	0.2	18,419
Mvita Constituency	76.2	13.8	0.3	8.4	1.2	32,851
Mji Wa Kale/Makadara	65.6	28.9	0.8	1.1	3.7	4,871
Tudor	65.6	9.9	0.5	23.6	0.4	9,190
Tononoka	83.2	10.8	0.1	3.8	2.1	5,512
Shimanzi/Ganjoni	85.9	11.6	0.1	1.8	0.6	4,666
Majengo	83.9	12.7	0.2	2.7	0.6	8,612

Table 28.16: 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		Cement	Tiles	Wood	Earth	Other	House- holds
Kenya	42.8	1.6	0.8	54.2	0.6	5,762,320		37.7	1.4	0.7	59.8	0.5	2,731,060
Rural	22.1	0.3	0.7	76.4	0.4	3,413,616		22.2	0.3	0.6	76.6	0.3	1,826,263
Urban	72.9	3.5	0.9	21.9	0.8	2,348,704		69.0	3.6	0.9	25.8	0.8	904,797
Mombasa County	77.2	4.4	0.2	13.7	4.4	206,719		76.8	5.2	0.2	13.0	4.8	59,278
Changamwe Constituency	79.0	1.1	0.1	8.9	10.8	32,464		77.9	1.3	0.1	7.7	13.0	9,397
Port Reitz	86.4	0.4	0.1	4.4	8.7	8,044		83.7	0.5	0.1	4.6	11.2	2,527
Kipevu	73.6	1.3	0.1	17.9	7.1	7,371		74.8	1.8	0.2	15.0	8.2	2,003
Airport	90.6	1.1	0.2	7.8	0.2	7,210		90.2	1.6	0.1	7.8	0.3	1,839
Changamwe	95.1	3.6	0.0	1.2	0.0	2,154		95.0	4.2	0.1	0.7	-	721
Chaani	61.0	1.0	0.1	8.3	29.6	7,685		59.0	0.7	-	6.9	33.4	2,307
Jomvu Constituency	65.9	1.9	0.2	25.3	6.6	26,909		65.3	1.5	0.3	25.6	7.3	7,922
Jomvu Kuu	66.1	4.3	0.3	28.9	0.4	7,928		64.2	3.6	0.2	31.8	0.3	2,257
Miritini	69.9	0.4	0.3	26.7	2.8	6,283		67.4	0.3	0.5	28.9	2.9	1,847

Mikindani	63.9	1.2	0.2	22.4	12.3	12,698		64.9	0.9	0.2	20.4	13.6	3,818
Kisauni Constituency	74.6	3.2	0.2	20.8	1.2	40,298		74.8	4.5	0.2	19.6	0.8	11,884
Mjambere	93.3	1.3	0.1	5.2	0.1	6,129		93.2	1.4	0.1	5.3	-	1,842
Junda	63.5	1.0	0.2	34.6	0.8	9,679		63.3	1.5	0.2	34.2	0.8	2,083
Bamburi	61.5	7.1	0.1	30.7	0.6	3,432		63.2	10.2	-	25.9	0.7	1,301
Mwakirunge	6.8	-	0.5	92.8	-	1,096		5.8	-	1.3	92.9	-	396
Mtopanga	74.7	4.0	0.1	16.1	5.1	5,559		76.8	6.1	0.1	14.8	2.2	1,714
Magogoni	92.2	2.3	0.1	5.1	0.3	6,440		91.8	2.6	0.1	4.9	0.6	2,077
Shanzu	74.4	6.1	0.6	17.9	1.0	7,963		72.4	7.4	0.4	18.7	1.0	2,471
Nyali Constituency	78.7	7.4	0.3	11.9	1.8	42,885		78.1	9.3	0.2	10.3	2.1	11,685
Frere Town	86.4	3.7	0.1	3.8	5.9	8,994		84.4	5.0	-	4.4	6.2	2,988
Ziwa La Ngombe	71.5	10.2	0.4	17.7	0.2	10,246		69.1	14.0	0.5	16.0	0.3	2,446
Mkomani	80.2	15.6	0.7	3.1	0.4	6,741		82.4	14.3	0.3	2.6	0.5	1,992
Kongowea	84.8	1.7	0.1	13.3	0.1	8,726		85.9	2.5	0.1	11.5	-	1,751
Kadzandani	71.4	7.2	0.3	19.1	2.1	8,178		70.5	10.6	0.2	17.1	1.5	2,508
Likoni Constituency	85.9	0.8	0.2	7.4	5.6	39,708		83.4	1.0	0.2	9.6	5.8	9,994
Mtongwe	79.3	1.1	0.1	13.2	6.2	6,247		76.7	1.3	0.2	15.8	6.0	1,630
Shika Adabu	61.1	0.6	0.1	10.3	27.9	5,556		58.7	0.6	0.1	15.2	25.4	1,627
Bofu	93.1	0.6	0.0	3.1	3.1	7,613		90.8	0.5	0.1	5.3	3.3	1,803
Likoni	93.6	0.6	0.0	5.0	0.7	5,503		91.7	0.8	-	7.2	0.2	1,304
Tibwani	91.5	0.8	0.5	7.0	0.1	14,789		90.9	1.3	0.3	7.2	0.3	3,630
Mvita Constituency	75.1	14.0	0.4	9.4	1.2	24,455		79.6	13.4	0.2	5.4	1.4	8,396
Mji Wa Kale/Makadara	63.9	30.6	0.9	1.3	3.2	3,687		70.9	23.4	0.3	0.5	5.0	1,184
Tudor	64.0	9.2	0.5	25.9	0.4	7,018		71.0	12.3	0.5	15.9	0.3	2,172
Tononoka	82.7	11.0	0.1	4.3	1.9	4,128		84.7	10.3	0.1	2.2	2.8	1,384
Shimanzi/Ganjoni	85.8	11.4	0.1	2.0	0.7	3,559		86.3	12.1	0.1	1.2	0.4	1,107
Majengo	83.3	13.0	0.2	2.9	0.6	6,063		85.2	11.9	0.1	2.3	0.5	2,549

Table 28.17: 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
Mombasa County	75.0	3.4	9.2	3.1	0.1	4.3	0.4	0.1	4.4	265,997
Changamwe Constituency	74.8	1.5	5.4	4.7	0.0	1.3	0.6	0.2	11.4	41,861
Port Reitz	84.1	1.1	1.8	3.2	0.0	0.5	0.0	0.1	9.2	10,571
Kipevu	79.4	0.5	7.1	1.5	0.1	2.9	1.3	0.1	7.3	9,374
Airport	90.1	2.7	2.5	1.6	0.0	0.8	1.4	0.5	0.4	9,049
Changamwe	29.5	5.4	23.9	40.6	0.1	0.0	0.0	0.0	0.4	2,875
Chaani	59.9	0.7	5.2	2.0	0.0	1.3	0.2	0.2	30.6	9,992
Jomvu Constituency	79.1	1.3	6.5	1.3	0.1	4.4	0.4	0.1	6.7	34,831
Jomvu Kuu	82.3	2.5	5.7	1.0	0.1	8.1	0.2	0.0	0.1	10,185
Miritini	87.7	0.2	0.0	1.8	0.1	6.1	0.9	0.1	3.1	8,130
Mikindani	72.9	1.2	10.1	1.3	0.1	1.4	0.3	0.1	12.6	16,516
Kisauni Constituency	79.5	2.5	3.9	4.8	0.1	7.1	0.7	0.1	1.2	52,182
Mjambere	85.7	0.5	4.2	5.3	0.1	2.1	1.6	0.1	0.4	7,971
Junda	86.4	1.6	0.7	3.5	0.0	6.3	0.7	0.1	0.8	11,762
Bamburi	55.8	7.4	7.5	15.1	0.1	13.4	0.0	0.0	0.6	4,733
Mwakirunge	31.6	0.3	0.1	2.7	2.2	62.9	0.3	0.1	0.0	1,492
Mtopanga	82.8	3.3	4.3	2.7	0.0	1.9	0.2	0.3	4.4	7,273
Magogoni	87.9	0.2	6.2	2.8	0.0	2.0	0.5	0.0	0.3	8,517
Shanzu	75.3	4.7	3.9	4.8	0.2	8.9	1.2	0.1	1.0	10,434
Nyali Constituency	80.2	5.2	5.3	2.5	0.1	4.7	0.4	0.1	1.5	54,570
Frere Town	82.7	0.7	4.9	2.5	0.0	1.7	1.5	0.0	6.0	11,982
Ziwa La Ngombe	76.0	9.6	3.1	3.1	0.1	7.8	0.1	0.1	0.1	12,692
Mkomani	72.5	11.4	11.7	2.1	0.1	1.9	0.0	0.1	0.3	8,733
Kongowea	91.4	0.9	1.1	1.1	0.1	5.0	0.2	0.2	0.1	10,477
Kadzandani	77.8	4.2	7.1	3.4	0.1	6.6	0.0	0.1	0.7	10,686
Likoni Constituency	82.8	1.1	1.7	2.8	0.1	5.7	0.0	0.0	5.7	49,702
Mtongwe	71.5	4.4	5.6	1.8	0.7	9.8	0.1	0.0	6.2	7,877
Shika Adabu	63.6	0.2	0.2	1.1	0.1	7.6	0.0	0.0	27.2	7,183
Bofu	86.2	0.4	0.2	4.5	0.0	5.4	0.0	0.0	3.2	9,416
Likoni	93.2	0.2	0.1	1.7	0.0	4.0	0.1	0.0	0.6	6,807
Tibwani	89.6	0.8	2.0	3.4	0.0	4.0	0.0	0.0	0.1	18,419
Mvita Constituency	43.2	9.8	43.1	1.7	0.0	0.3	0.3	0.4	1.1	32,851
Mji Wa Kale/Makadara	29.0	11.8	50.4	1.9	0.0	0.5	0.4	2.1	3.8	4,871
Tudor	60.7	6.4	29.0	2.5	0.0	0.5	0.2	0.1	0.5	9,190
Tononoka	33.5	13.5	49.3	1.2	0.0	0.2	0.2	0.6	1.5	5,512
Shimanzi/Ganjoni	17.3	20.2	60.8	1.3	0.0	0.1	0.1	0.0	0.3	4,666
Majengo	52.9	4.3	40.3	1.4	0.1	0.2	0.3	0.1	0.3	8,612

**Table 28.18: 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
Mombasa County	75.7	3.4	8.7	3.1	0.1	4.1	0.4	0.1	4.3	206,719
Changamwe Constituency	75.5	1.5	5.4	4.5	0.0	1.2	0.7	0.2	10.9	32,464
Port Reitz	84.7	1.1	1.8	3.1	0.0	0.4	0.0	0.1	8.6	8,044
Kipevu	79.8	0.5	7.0	1.5	0.1	2.7	1.3	0.1	7.1	7,371
Airport	90.2	2.5	2.5	1.6	0.0	0.8	1.6	0.4	0.4	7,210
Changamwe	30.7	5.4	24.1	39.2	0.2	-	-	-	0.4	2,154
Chaani	60.6	0.8	5.2	2.0	0.0	1.3	0.2	0.2	29.7	7,685
Jomvu Constituency	79.6	1.3	6.3	1.4	0.1	4.2	0.4	0.1	6.6	26,909
Jomvu Kuu	82.7	2.5	5.5	1.1	0.1	7.7	0.2	0.0	0.1	7,928
Miritini	88.0	0.2	0.0	1.8	0.1	5.9	0.8	0.1	3.1	6,283
Mikindani	73.5	1.2	9.9	1.3	0.1	1.2	0.4	0.1	12.4	12,698
Kisauni Constituency	80.2	2.5	3.5	4.8	0.1	6.9	0.7	0.1	1.2	40,298
Mjambere	86.3	0.5	4.0	5.3	0.1	1.8	1.4	0.1	0.5	6,129
Junda	86.7	1.4	0.5	3.5	0.0	6.3	0.7	0.1	0.8	9,679
Bamburi	56.2	7.4	6.9	15.0	0.1	13.9	0.0	-	0.6	3,432
Mwakirunge	33.5	0.2	0.1	3.0	2.3	60.7	0.2	0.1	-	1,096
Mtopanga	83.0	3.1	4.1	2.4	0.1	1.8	0.2	0.3	5.0	5,559
Magogoni	88.7	0.2	5.5	3.0	0.0	1.9	0.5	-	0.2	6,440
Shanzu	75.7	5.0	3.5	4.8	0.2	8.6	1.2	0.1	1.0	7,963
Nyali Constituency	80.8	5.1	4.8	2.5	0.1	4.7	0.4	0.1	1.5	42,885
Frere Town	83.1	0.7	4.5	2.6	0.0	1.7	1.5	0.0	5.9	8,994
Ziwa La Ngombe	77.1	9.1	2.8	3.0	0.1	7.6	0.1	0.1	0.1	10,246
Mkomani	71.6	12.2	11.5	2.2	0.1	1.9	0.0	0.1	0.3	6,741
Kongowea	91.9	0.8	1.0	1.1	0.1	4.8	0.2	0.2	0.1	8,726
Kadzandani	78.8	3.9	6.4	3.4	0.1	6.5	0.0	0.1	0.8	8,178
Likoni Constituency	83.5	1.0	1.6	2.9	0.1	5.2	0.0	0.0	5.6	39,708

Mtongwe	72.5	4.0	5.2	2.0	0.7	9.4	0.0	-	6.2	6,247
Shika Adabu	64.0	0.1	0.2	1.2	0.1	6.6	0.0	-	27.8	5,556
Bofu	86.8	0.4	0.2	4.7	0.0	4.8	0.0	0.0	3.1	7,613
Likoni	93.5	0.2	0.1	1.7	0.0	3.6	0.1	0.0	0.7	5,503
Tibwani	90.0	0.8	1.9	3.3	0.0	3.8	0.0	0.0	0.1	14,789
Mvita Constituency	42.9	10.2	42.9	1.9	0.1	0.4	0.3	0.4	1.1	24,455
Mji Wa Kale/Makadara	27.3	13.4	51.2	2.0	0.1	0.6	0.4	1.9	3.3	3,687
Tudor	62.3	6.1	27.5	2.6	0.0	0.6	0.3	0.1	0.6	7,018
Tononoka	32.9	13.3	50.0	1.2	0.0	0.2	0.2	0.6	1.5	4,128
Shimanzi/Ganjoni	17.2	21.4	59.4	1.5	-	0.1	0.1	-	0.3	3,559
Majengo	52.0	4.2	41.1	1.6	0.1	0.2	0.3	0.1	0.4	6,063

Table 28.19: 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
Mombasa County	72.4	3.5	10.8	3.1	0.1	4.8	0.4	0.1	4.7	59,278
Changamwe Constituency	72.3	1.6	5.6	5.4	0.1	1.4	0.4	0.2	13.1	9,397
Port Reitz	82.0	1.1	1.6	3.2	0.1	0.8	0.0	0.1	11.1	2,527
Kipevu	78.1	0.4	7.3	1.5	0.1	3.4	1.0	-	8.0	2,003
Airport	89.6	3.3	2.8	1.6	0.1	0.9	0.6	0.7	0.6	1,839
Changamwe	25.9	5.5	23.3	44.7	-	-	-	-	0.6	721
Chaani	57.5	0.4	5.2	2.1	-	1.1	0.1	0.2	33.5	2,307
Jomvu Constituency	77.5	1.3	6.9	1.3	0.1	5.2	0.4	0.0	7.3	7,922
Jomvu Kuu	80.8	2.5	6.3	0.6	0.1	9.6	0.1	0.0	-	2,257
Miritini	87.0	0.3	-	1.6	0.2	6.5	1.1	0.1	3.2	1,847
Mikindani	71.0	1.1	10.6	1.6	0.1	1.9	0.2	0.0	13.5	3,818
Kisauni Constituency	77.0	2.8	5.2	5.0	0.1	8.1	0.8	0.1	0.9	11,884
Mjambere	83.7	0.5	4.7	5.4	0.1	3.1	2.1	0.2	0.3	1,842
Junda	85.0	2.4	1.3	3.1	0.0	6.6	0.7	0.0	0.9	2,083
Bamburi	55.0	7.5	9.1	15.6	-	12.1	-	0.1	0.5	1,301
Mwakirunge	26.3	0.5	-	1.8	2.0	68.9	0.5	-	-	396
Mtopanga	82.3	4.1	5.0	3.6	-	2.1	0.4	0.3	2.3	1,714
Magogoni	85.5	0.2	8.7	2.1	-	2.4	0.6	-	0.5	2,077
Shanzu	74.3	3.8	5.0	4.8	0.2	9.9	1.1	0.0	0.8	2,471
Nyali Constituency	77.9	5.5	6.9	2.4	0.0	4.9	0.4	0.1	1.7	11,685
Frere Town	81.5	0.7	6.2	2.3	-	1.7	1.4	0.0	6.2	2,988
Ziwa La Ngombe	71.4	12.0	4.4	3.4	0.2	8.4	0.2	0.1	-	2,446

Mkomani	75.4	8.6	12.2	1.8	-	1.8	0.1	0.1	0.1	1,992
Kongowea	88.7	1.8	2.0	1.1	-	6.2	0.1	0.2	-	1,751
Kadzandani	74.4	5.2	9.5	3.0	0.0	7.1	-	-	0.7	2,508
Likoni Constituency	80.3	1.4	2.1	2.5	0.2	7.6	0.1	0.0	5.8	9,994
Mtongwe	67.9	6.0	6.9	1.2	0.9	11.2	0.1	-	5.9	1,630
Shika Adabu	62.3	0.2	0.2	0.9	0.1	11.0	0.1	-	25.2	1,627
Bofu	84.1	0.3	0.2	3.8	-	8.0	0.1	0.1	3.4	1,803
Likoni	91.9	0.4	0.2	1.5	-	5.4	0.3	-	0.3	1,304
Tibwani	87.9	0.8	2.5	3.5	0.0	5.1	0.0	0.0	0.2	3,630
Mvita Constituency	44.1	8.8	43.7	1.3	0.0	0.2	0.3	0.5	1.2	8,396
Mji Wa Kale/ Makadara	34.4	7.1	48.2	1.5	-	0.3	0.4	2.7	5.4	1,184
Tudor	55.6	7.2	34.1	2.0	0.0	0.5	0.1	-	0.4	2,172
Tononoka	35.1	14.2	47.4	0.9	-	-	0.3	0.4	1.6	1,384
Shimanzu/Ganjoni	17.4	16.4	65.2	0.7	-	-	0.1	-	0.1	1,107
Majengo	55.2	4.6	38.4	1.1	0.0	0.2	0.3	0.0	0.2	2,549

Table 28.20: 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
Mombasa County	30.4	40.6	10.4	13.1	0.2	0.6	0.1	0.1	4.4	265,997
Changamwe Constituency	23.6	35.6	10.6	18.1	0.1	0.4	0.1	0.1	11.3	41,861
Port Reitz	22.0	34.2	8.0	25.7	0.1	0.6	0.2	0.1	9.3	10,571
Kipevu	27.6	32.6	17.6	14.5	0.0	0.1	0.1	0.0	7.4	9,374
Airport	29.1	38.4	8.9	22.7	0.1	0.4	0.2	0.0	0.2	9,049
Changamwe	24.8	71.1	0.3	2.3	0.1	1.1	0.0	0.0	0.1	2,875
Chaani	16.3	27.3	11.3	13.8	0.3	0.3	0.1	0.1	30.5	9,992
Jomvu Constituency	17.3	31.4	25.6	18.3	0.1	0.4	0.1	0.1	6.7	34,831
Jomvu Kuu	20.8	41.2	23.9	13.1	0.1	0.5	0.2	0.1	0.2	10,185
Miritini	17.0	30.5	29.2	19.9	0.1	0.3	0.2	0.0	2.8	8,130
Mikindani	15.4	25.8	24.9	20.7	0.1	0.4	0.1	0.1	12.5	16,516
Kisauni Constituency	27.0	46.3	12.8	11.2	0.3	0.8	0.3	0.2	1.2	52,182
Mjambere	35.2	42.4	3.8	18.0	0.1	0.3	0.1	0.0	0.1	7,971
Junda	15.0	47.2	21.8	13.8	0.2	0.6	0.3	0.3	0.8	11,762
Bamburi	17.2	53.6	19.5	7.4	0.1	0.7	0.2	0.0	1.3	4,733
Mwakirunge	1.8	7.1	80.6	6.2	0.1	1.3	2.5	0.1	0.3	1,492
Mtopanga	28.7	53.9	5.8	5.3	0.1	1.7	0.2	0.2	4.2	7,273
Magogoni	40.6	46.1	1.9	10.7	0.1	0.1	0.1	0.1	0.3	8,517
Shanzu	30.1	45.4	10.8	10.0	0.8	1.1	0.4	0.3	1.1	10,434
Nyali Constituency	29.3	46.1	7.7	14.3	0.3	0.6	0.1	0.1	1.5	54,570
Frere Town	35.9	42.3	1.4	14.1	0.1	0.2	0.0	0.1	6.0	11,982
Ziwa La Ngombe	31.1	43.8	11.2	12.8	0.1	0.7	0.1	0.1	0.1	12,692
Mkomani	27.4	51.3	3.4	16.0	1.0	0.6	0.1	0.0	0.2	8,733
Kongowea	25.9	39.9	11.6	21.3	0.3	0.9	0.0	0.2	0.0	10,477
Kadzandani	24.8	54.8	10.6	7.9	0.1	0.8	0.1	0.0	0.7	10,686

Likoni Constituency	50.5	34.7	1.9	6.8	0.0	0.2	0.2	0.0	5.7	49,702
Mtongwe	47.7	31.6	7.5	6.2	0.1	0.1	0.6	0.0	6.2	7,877
Shika Adabu	50.6	16.9	1.8	3.2	0.1	0.1	0.0	0.1	27.2	7,183
Bofu	49.5	35.2	0.8	10.9	0.0	0.3	0.1	0.0	3.1	9,416
Likoni	50.2	38.1	0.5	10.4	0.0	0.1	0.0	0.0	0.6	6,807
Tibwani	52.3	41.5	0.5	5.1	0.0	0.2	0.2	0.0	0.2	18,419
Mvita Constituency	29.7	47.8	7.2	11.9	0.5	1.8	0.1	0.2	0.9	32,851
Mji Wa Kale/Makadara	30.6	52.0	1.6	11.3	0.2	0.5	0.2	0.2	3.4	4,871
Tudor	20.0	38.5	20.8	15.7	1.1	3.4	0.0	0.2	0.2	9,190
Tononoka	36.2	47.1	2.8	10.6	0.4	1.2	0.1	0.2	1.4	5,512
Shimanzi/Ganjoni	31.2	63.7	0.4	1.3	0.6	2.3	0.1	0.1	0.2	4,666
Majengo	34.4	47.3	2.2	14.7	0.2	0.8	0.1	0.1	0.3	8,612

Table 28.21: 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	Corru- gated 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
Mombasa County	30.4	40.4	10.5	13.2	0.2	0.7	0.1	0.1	4.3	206,719
Changamwe Constituency	23.8	35.5	10.8	18.2	0.1	0.5	0.1	0.1	10.9	32,464
Port Reitz	22.4	34.1	7.9	26.0	0.1	0.5	0.2	0.1	8.7	8,044
Kipevu	27.3	32.4	18.3	14.5	0.0	0.2	0.1	0.1	7.2	7,371
Airport	29.3	38.5	8.7	22.5	0.1	0.5	0.2	0.1	0.2	7,210
Changamwe	26.1	69.5	0.3	2.2	0.1	1.5	0.0	0.0	0.1	2,154
Chaani	16.3	27.7	11.5	14.0	0.4	0.4	0.1	0.1	29.7	7,685
Jomvu Constituency	17.1	31.5	25.8	18.5	0.1	0.4	0.2	0.1	6.5	26,909
Jomvu Kuu	20.7	41.8	23.5	12.9	0.1	0.5	0.2	0.1	0.2	7,928
Miritini	16.7	30.8	29.2	20.0	0.1	0.3	0.2	-	2.8	6,283
Mikindani	15.0	25.3	25.6	21.2	0.1	0.4	0.1	0.1	12.2	12,698
Kisauni Constituency	26.7	46.2	13.1	11.3	0.3	0.8	0.2	0.2	1.3	40,298
Mjambere	34.9	42.2	3.7	18.5	0.1	0.3	0.0	0.0	0.1	6,129
Junda	15.2	47.0	22.2	13.5	0.1	0.6	0.2	0.4	0.8	9,679
Bamburi	17.1	52.8	20.4	7.5	0.1	0.8	0.2	-	1.2	3,432
Mwakirunge	1.8	7.5	80.4	6.5	0.2	1.4	1.9	0.1	0.3	1,096



Mtopanga	27.9	54.0	5.7	5.3	0.1	1.8	0.2	0.2	4.7	5,559
Magogoni	40.6	45.8	2.0	11.0	0.1	0.2	0.0	0.0	0.3	6,440
Shanzu	30.0	45.5	10.8	9.8	0.8	1.3	0.3	0.3	1.1	7,963
Nyali Constituency	29.3	45.7	8.0	14.5	0.3	0.7	0.1	0.1	1.4	42,885
Frere Town	36.1	41.9	1.4	14.2	0.2	0.2	0.0	0.1	5.9	8,994
Ziwa La Ngombe	31.3	43.1	11.5	13.1	0.1	0.7	0.1	0.1	0.1	10,246
Mkomani	27.3	51.3	3.3	15.9	0.9	0.8	0.1	0.0	0.2	6,741
Kongowea	25.3	39.9	11.9	21.3	0.3	1.0	0.0	0.2	0.0	8,726
Kadzandani	24.9	54.5	10.7	7.9	0.1	0.9	0.1	0.0	0.7	8,178
Likoni Constituency	50.7	34.7	1.8	6.7	0.0	0.2	0.2	0.0	5.6	39,708
Mtongwe	47.7	31.6	7.5	6.1	0.1	0.1	0.5	0.0	6.3	6,247
Shika Adabu	51.1	16.6	1.5	2.8	0.0	0.0	0.0	0.1	27.8	5,556
Bofu	49.8	35.3	0.7	10.6	0.0	0.4	0.1	0.0	3.1	7,613
Likoni	50.2	37.9	0.5	10.5	0.0	0.2	0.0	0.0	0.7	5,503
Tibwani	52.6	41.2	0.6	5.0	0.0	0.2	0.2	0.0	0.1	14,789
Mvita Constituency	29.0	47.6	7.8	11.9	0.6	1.9	0.1	0.2	0.8	24,455
Mji Wa Kale/Makadara	30.3	53.0	1.6	10.8	0.2	0.7	0.3	0.2	2.9	3,687
Tudor	19.4	36.2	22.4	16.8	1.2	3.5	0.0	0.2	0.2	7,018
Tononoka	36.0	47.1	3.3	10.1	0.5	1.4	0.1	0.1	1.3	4,128
Shimanzi/Ganjoni	31.0	63.5	0.5	1.3	0.6	2.6	0.1	0.2	0.2	3,559
Majengo	33.5	48.3	2.1	14.4	0.2	0.9	0.1	0.2	0.3	6,063

Table 28.22: 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
Mombasa County	30.4	41.4	9.8	12.9	0.2	0.4	0.2	0.1	4.7	59,278
Changamwe Constituency	23.0	35.9	9.8	17.7	0.1	0.3	0.1	0.0	13.0	9,397
Port Reitz	20.7	34.4	8.0	24.7	0.0	0.8	0.2	0.0	11.2	2,527
Kipevu	29.0	33.3	14.9	14.6	0.0	0.1	0.1	-	8.0	2,003
Airport	28.6	37.8	9.6	23.2	0.1	0.2	0.2	-	0.3	1,839
Changamwe	21.1	75.9	0.3	2.5	0.1	0.1	-	-	-	721

Chaani	16.5	26.0	10.7	12.9	0.2	0.2	0.1	0.0	33.4	2,307
Jomvu Constituency	18.3	31.3	25.0	17.7	0.1	0.3	0.1	0.0	7.2	7,922
Jomvu Kuu	21.3	39.3	25.2	13.7	0.1	0.2	0.1	-	0.1	2,257
Miritini	17.9	29.6	29.5	19.7	-	0.2	0.1	-	2.9	1,847
Mikindani	16.7	27.3	22.7	19.1	0.1	0.3	0.1	0.1	13.5	3,818
Kisauni Constituency	28.0	46.9	12.1	10.7	0.2	0.5	0.4	0.1	1.0	11,884
Mjambere	35.9	43.3	4.2	16.2	0.1	0.1	0.2	-	0.1	1,842
Junda	14.3	48.3	20.3	14.8	0.2	0.4	0.4	0.3	0.9	2,083
Bamburi	17.6	55.8	17.1	7.3	-	0.3	0.2	-	1.6	1,301
Mwakirunge	1.8	6.1	81.1	5.6	-	1.3	4.0	-	0.3	396
Mtopanga	31.2	53.6	5.9	5.0	0.1	1.7	0.1	0.1	2.3	1,714
Magogoni	40.4	47.3	1.7	9.8	0.0	-	0.1	0.1	0.5	2,077
Shanzu	30.6	45.0	10.6	10.6	0.8	0.4	0.6	0.2	1.1	2,471
Nyali Constituency	29.6	47.6	6.8	13.6	0.3	0.3	0.1	0.1	1.8	11,685
Frere Town	35.2	43.5	1.3	13.5	0.1	0.0	0.0	0.1	6.2	2,988
Ziwa La Ngombe	30.4	46.8	9.9	11.9	0.2	0.6	0.0	0.1	0.1	2,446
Mkomani	27.8	51.0	3.7	16.3	1.0	0.1	0.1	0.1	0.1	1,992
Kongowea	28.6	39.5	10.2	21.1	0.2	0.3	0.1	0.1	-	1,751
Kadzandani	24.2	56.1	10.5	7.8	0.1	0.4	0.1	0.0	0.7	2,508
Likoni Constituency	49.6	34.9	2.1	7.3	0.0	0.1	0.2	0.1	5.8	9,994
Mtongwe	47.8	31.2	7.5	6.8	-	-	0.8	-	5.9	1,630
Shika Adabu	49.0	18.1	2.8	4.4	0.1	0.1	0.1	0.2	25.2	1,627
Bofu	48.3	34.7	1.2	12.2	0.1	0.2	0.1	0.1	3.3	1,803
Likoni	50.2	39.0	0.5	10.0	-	-	-	0.1	0.2	1,304
Tibwani	51.0	42.6	0.4	5.5	0.0	0.1	0.1	-	0.2	3,630
Mvita Constituency	31.5	48.6	5.2	11.7	0.4	1.3	0.1	0.1	1.0	8,396
Mji Wa Kale/Makadara	31.5	48.8	1.6	12.8	-	0.2	-	0.2	4.9	1,184
Tudor	21.9	45.9	15.5	12.0	1.1	3.2	0.0	0.2	0.1	2,172
Tononoka	36.8	46.9	1.3	12.2	0.1	0.6	0.1	0.3	1.7	1,384
Shimanzi/Ganjoni	31.8	64.5	0.2	1.3	0.5	1.6	0.1	-	0.1	1,107
Majengo	36.6	44.8	2.5	15.3	0.0	0.4	0.1	0.1	0.2	2,549

Table 28.23: Source of Water by County, Constituency and Ward

County/Constituency/Wards	Pond	Dam	Lake	Stream/ River	Unprotected Spring	Unprotected Well	Jabia	Water vendor	Other	Unimproved Sources	Protected Spring	Protected Well	Borehole	Piped into Dwelling	Piped	Rain Water Collection	Improved Sources	Number of Individuals
Kenya	2.7	2.4	1.2	23.2	5.0	6.9	0.3	5.2	0.4	47.4	7.6	7.7	11.6	5.9	19.2	0.7	52.6	37,919,647
Rural	3.6	3.2	1.5	29.6	6.4	8.7	0.4	2.2	0.5	56.0	9.2	8.1	12.0	1.8	12.1	0.8	44.0	26,075,195
Urban	0.9	0.7	0.5	9.2	1.9	2.9	0.2	11.8	0.1	28.3	4.0	6.8	10.7	14.7	34.9	0.5	71.7	11,844,452
Mombasa County	0.3	0.1	0.0	0.2	0.2	0.9	0.1	22.5	0.1	24.3	1.5	6.0	14.4	13.7	40.1	0.0	75.7	920,121
Changamwe Constituency	0.2	0.0	0.0	0.1	0.1	0.1	0.1	37.9	0.1	38.5	1.5	1.7	3.0	11.3	44.0	0.0	61.5	131,375
Port Reitz	0.1	0.0	0.0	0.0	0.0	0.1	0.1	41.5	0.0	41.9	2.9	1.5	2.7	6.1	44.8	0.0	58.1	33,613
Kipevu	0.1	0.0	0.0	0.1	0.0	0.0	0.1	53.9	0.0	54.3	1.6	0.3	0.3	11.4	32.1	0.0	45.7	27,897
Airport	0.3	0.0	0.0	0.2	0.3	0.3	0.2	43.4	0.2	44.8	0.5	4.7	8.5	4.9	36.5	0.0	55.2	29,243
Changamwe	0.1	0.0	0.0	0.0	0.1	0.1	0.1	4.1	0.1	4.6	0.7	0.5	0.5	48.3	45.3	0.1	95.4	10,792
Chaani	0.1	0.0	0.0	0.0	0.0	0.0	0.1	25.8	0.0	26.0	1.0	0.6	1.2	10.0	61.2	0.0	74.0	29,830
Jomvu Constituency	0.1	0.1	0.0	0.4	0.1	1.6	0.1	15.0	0.0	17.5	1.2	1.3	1.7	13.4	64.9	0.0	82.5	114,864
Jomvu Kuu	0.1	0.2	0.1	0.8	0.2	2.6	0.0	15.1	0.0	19.1	1.1	0.8	0.3	14.5	64.2	0.0	80.9	36,589
Miritini	0.0	0.0	0.0	0.2	0.0	0.1	0.0	11.2	0.0	11.6	1.4	0.2	0.8	4.5	81.5	0.0	88.4	25,830
Mikindani	0.1	0.1	0.0	0.1	0.1	1.7	0.2	16.9	0.0	19.3	1.2	2.2	3.1	16.9	57.2	0.0	80.7	52,445
Kisauni Constituency	0.5	0.1	0.0	0.1	0.1	0.8	0.1	23.0	0.0	24.7	1.8	2.2	5.3	15.0	50.9	0.1	75.3	188,144
Mjambere	0.3	0.1	0.0	0.1	0.0	0.1	0.0	24.4	0.0	25.0	1.5	2.4	6.5	16.9	47.6	0.0	75.0	27,094
Junda	0.1	0.1	0.0	0.1	0.1	2.3	0.0	24.3	0.0	27.0	2.3	2.0	4.1	5.7	58.8	0.0	73.0	39,406
Bamburi	0.2	0.1	0.0	0.0	0.1	1.6	0.1	12.5	0.1	14.7	3.2	3.7	4.0	32.8	41.4	0.1	85.3	21,656
Mwakirunge	4.4	0.2	0.0	0.5	0.2	0.0	0.0	0.0	0.0	5.3	3.1	0.0	0.3	1.0	90.3	0.0	94.7	8,627

Mtopanga	0.9	0.1	0.0	0.2	0.0	0.1	0.1	0.1	0.1	28.9	0.1	30.2	0.2	0.8	2.1	15.6	51.1	0.0	69.8	26,581
Magogoni	0.2	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0	33.3	0.0	33.8	1.2	2.4	6.3	12.9	43.4	0.0	66.2	28,745
Shanzu	0.2	0.2	0.1	0.1	0.3	0.1	0.4	0.1	0.1	19.7	0.0	21.2	2.2	2.8	9.4	17.4	46.9	0.1	78.8	36,035
Nyali Constituency	0.3	0.1	0.0	0.0	0.1	0.1	0.6	0.1	0.1	24.7	0.1	25.9	1.3	4.3	13.5	14.7	40.3	0.1	74.1	183,411
Fiere Town	0.6	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	30.1	0.0	31.0	2.1	1.9	5.5	20.2	39.2	0.0	69.0	41,597
Ziwa La Ngombe	0.1	0.0	0.0	0.0	0.1	0.0	1.5	0.0	0.0	23.4	0.1	25.3	0.8	2.3	17.4	13.5	40.7	0.0	74.7	40,590
Mkomani	0.3	0.1	0.0	0.0	0.0	0.1	0.7	0.1	0.1	34.7	0.3	36.3	0.4	7.5	24.7	9.0	22.1	0.1	63.7	30,105
Kongowea	0.1	0.3	0.0	0.0	0.2	0.0	0.5	0.0	0.0	20.4	0.1	21.7	2.1	6.3	12.8	3.2	53.8	0.1	78.3	33,000
Kadzandani	0.2	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.1	15.9	0.0	16.6	0.8	4.7	9.7	24.3	43.9	0.0	83.4	38,119
Likoni Constituency	0.4	0.3	0.0	0.2	0.5	0.1	1.5	0.1	0.1	14.4	0.0	17.5	1.3	20.6	34.4	6.1	20.1	0.0	82.5	164,449
Mtongwe	0.2	1.0	0.0	1.1	2.6	0.0	4.5	0.0	0.0	5.3	0.0	14.7	0.6	18.8	54.8	7.5	3.6	0.0	85.3	27,263
Shika Adabu	0.2	0.3	0.0	0.0	0.1	0.1	1.5	0.1	0.1	4.2	0.0	6.5	2.4	11.8	51.8	5.8	21.6	0.0	93.5	25,926
Bofu	0.3	0.4	0.1	0.1	0.1	0.1	1.5	0.1	0.1	17.2	0.0	19.7	1.2	31.9	20.6	3.3	23.4	0.0	80.3	28,928
Likoni	0.2	0.0	0.0	0.1	0.1	0.1	0.6	0.1	0.1	12.5	0.1	13.5	1.0	11.2	9.3	8.7	56.2	0.0	86.5	21,616
Tibwani	0.8	0.1	0.0	0.1	0.0	0.1	0.6	0.1	0.1	22.1	0.1	23.9	1.2	23.1	33.2	6.0	12.6	0.1	76.1	60,716
Mvita Constituency	0.2	0.3	0.0	0.2	0.1	0.1	0.8	0.1	0.1	20.0	0.1	21.7	1.7	4.1	26.0	22.1	24.4	0.0	78.3	137,878
Mji Wa Kale/ Makadara	0.2	0.2	0.1	0.1	0.1	0.0	0.3	0.0	0.0	5.1	0.1	6.2	0.5	7.2	58.6	18.2	9.3	0.0	93.8	25,109
Tudor	0.1	0.0	0.0	0.1	0.1	0.0	1.4	0.0	0.0	30.7	0.1	32.6	3.2	2.4	17.0	16.9	27.7	0.2	67.4	30,785
Tononoka	0.1	0.2	0.0	0.1	0.1	0.5	1.5	0.0	0.5	9.9	0.1	12.4	1.7	2.1	17.3	33.0	33.4	0.0	87.6	25,593
Shimanzizi/Ganjoni	0.4	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	11.3	0.1	12.0	0.1	2.5	16.3	26.2	43.0	0.0	88.0	17,626
Majiengo	0.1	0.6	0.0	0.6	0.1	0.0	0.6	0.0	0.0	31.6	0.2	33.7	1.9	5.3	22.3	19.6	17.2	0.0	66.3	38,765

Table 28.24: Source of Water of Male headed Household by County Constituency and Ward

County/Constituency/ Wards	Pond	Dam	Lake	Stream/ River	Unpro- tected Spring	Unpro- tected Well	Jabia	Water vendor	Other	Unim- proved Sources	Pro- tected Spring	Protected Well	Borehole	Piped into Dwelling	Piped Water Collection	Improved Sources	Number of Individuals
Kenya	2.7	2.3	1.1	22.4	4.8	6.7	0.4	5.6	0.4	46.4	7.4	7.7	11.7	6.2	19.9	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
Mombasa County	0.3	0.2	0.0	0.2	0.2	0.9	0.1	22.4	0.1	24.3	1.5	6.1	14.3	13.3	40.5	75.7	719,887
Changamwe Constitu- ency	0.2	0.0	-	0.1	0.1	0.1	0.1	37.8	0.1	38.4	1.5	1.6	2.8	11.4	44.2	61.6	103,183
Port Reitz	0.1	-	-	0.0	0.0	0.1	0.1	40.4	0.0	40.8	2.9	1.6	2.8	6.4	45.5	59.2	25,954
Kipevu	0.1	-	-	0.1	0.0	0.0	0.1	53.8	0.0	54.2	1.7	0.3	0.3	11.4	32.2	45.8	22,422
Airport	0.3	-	-	0.2	0.3	0.3	0.0	43.5	0.2	44.9	0.5	4.5	7.8	4.9	37.4	55.1	23,273
Changamwe	0.1	0.0	-	-	0.1	0.1	0.1	4.3	0.1	4.8	0.7	0.4	0.5	48.0	45.5	95.2	8,216
Chaani	0.1	0.0	-	-	-	0.0	0.0	25.7	0.0	25.9	1.0	0.6	1.2	10.5	60.8	74.1	23,318
Jomvu Constituency	0.1	0.1	0.0	0.4	0.1	1.6	0.1	14.9	0.0	17.3	1.2	1.4	1.7	13.5	64.9	82.7	89,929
Jomvu Kuu	0.2	0.1	0.1	0.9	0.2	2.6	0.0	14.9	-	19.0	1.0	0.9	0.2	14.4	64.4	81.0	28,722
Miritini	0.0	-	0.0	0.2	-	0.1	0.0	11.1	0.0	11.5	1.3	0.2	0.7	4.8	81.5	88.5	20,071
Mikindani	0.1	0.1	-	0.1	0.1	1.7	0.2	16.7	0.0	19.0	1.3	2.3	3.2	17.0	57.2	81.0	41,136
Kisumu Constituency	0.5	0.1	0.0	0.1	0.1	0.9	0.1	23.2	0.0	25.0	1.9	2.2	5.2	14.3	51.5	75.0	146,832
Mjambere	0.3	0.1	-	0.1	0.0	0.1	-	24.8	0.0	25.5	1.7	2.4	6.4	16.6	47.4	74.5	20,742
Junda	0.2	0.1	-	0.1	0.1	2.4	0.0	24.3	-	27.2	2.2	2.1	4.1	5.4	59.0	72.8	32,676
Bamburi	0.2	0.0	-	0.0	0.1	1.7	0.1	12.1	0.1	14.3	3.3	4.0	4.3	31.9	42.0	85.7	16,106
Mwakirunge	4.0	0.3	-	0.5	0.2	-	-	-	-	5.0	3.2	-	0.1	0.6	91.1	95.0	6,524

Mtopanga	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.6	0.1	31.1	0.2	0.8	1.9	15.0	50.9	0.0	68.9	20,629
Magogoni	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	34.1	-	34.5	1.2	2.1	6.2	12.1	43.8	0.1	65.5	22,138
Shanzu	0.2	0.2	0.2	0.3	0.4	0.2	0.0	0.0	0.0	19.2	0.0	20.9	2.1	2.7	8.8	17.1	48.3	0.1	79.1	28,017
Nyali Constituency	0.3	0.1	0.0	0.1	0.6	0.0	0.0	0.0	0.0	24.7	0.1	25.9	1.3	4.4	13.6	13.9	40.9	0.1	74.1	145,493
Frere Town	0.6	0.0	-	0.0	0.1	0.0	0.0	0.0	0.0	29.9	0.0	30.9	2.1	2.1	5.3	19.8	39.7	0.1	69.1	31,764
Ziwa La Ngombe	0.1	0.0	-	0.0	0.1	0.0	0.0	0.0	0.0	24.1	0.1	26.0	0.9	2.4	17.3	12.8	40.6	0.0	74.0	33,023
Mkomani	0.3	0.2	0.0	0.0	0.6	0.0	0.0	0.0	0.0	34.3	0.3	35.8	0.3	7.5	24.9	8.8	22.6	0.1	64.2	23,569
Kongowea	0.1	0.3	-	0.0	0.5	0.0	0.0	0.0	0.0	20.6	0.1	21.9	2.0	6.5	12.8	2.7	54.0	0.1	78.1	27,561
Kadzandani	0.3	0.0	-	0.0	0.1	0.1	0.1	0.0	0.0	15.7	0.0	16.3	0.9	4.8	10.0	23.2	44.7	0.0	83.7	29,576
Likoni Constituency	0.4	0.3	0.0	0.2	0.5	0.1	0.1	0.2	0.2	14.8	0.0	18.0	1.3	20.6	33.9	5.9	20.2	0.0	82.0	131,162
Mtongwe	0.2	0.9	0.0	1.1	4.8	0.0	0.0	2.7	1.1	5.4	-	15.3	0.6	19.1	54.0	7.2	3.8	-	84.7	21,280
Shika Adabu	0.3	0.4	0.0	0.0	1.6	0.1	0.1	0.2	0.0	4.3	0.0	6.8	2.6	12.5	51.1	5.9	21.1	0.0	93.2	20,246
Bofu	0.3	0.4	0.1	0.1	1.5	0.1	0.1	0.1	0.1	18.1	-	20.6	1.2	31.9	20.1	3.1	23.0	-	79.4	22,941
Likoni	0.2	0.0	-	0.1	0.5	0.1	0.1	0.1	0.1	12.0	0.1	13.0	1.1	11.5	9.2	8.5	56.8	0.0	87.0	17,396
Tibwani	0.8	0.1	0.0	0.1	0.5	0.1	0.1	0.0	0.1	22.6	0.1	24.3	1.2	22.6	33.4	5.8	12.7	0.1	75.7	49,299
Mvita Constituency	0.2	0.2	0.0	0.2	0.1	0.1	0.1	0.1	0.1	19.2	0.1	21.0	1.7	3.9	25.9	22.2	25.2	0.0	79.0	103,288
Mji Wa Kale/Makadara	0.2	0.3	0.1	0.1	0.3	0.0	0.0	0.1	0.1	5.2	0.1	6.5	0.5	7.3	58.7	17.4	9.6	0.0	93.5	18,842
Tudor	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.1	0.1	30.2	0.1	32.3	3.5	2.5	17.5	16.2	27.9	0.1	67.7	23,559
Tononoka	0.1	0.2	0.0	0.1	1.4	0.3	0.0	0.0	0.1	10.0	0.1	12.2	1.8	2.1	16.7	33.7	33.5	-	87.8	19,660
Shimanzizi/Ganjoni	0.3	-	-	0.0	0.2	-	-	0.1	0.1	10.6	0.1	11.3	0.1	2.2	15.8	25.8	44.8	-	88.7	13,695
Majengo	0.1	0.6	0.0	0.6	0.5	0.0	0.0	0.0	0.0	30.4	0.2	32.5	1.9	4.9	22.0	20.6	18.1	0.0	67.5	27,532

Table 28.25: Source of Water of Female headed Household by County Constituency and Ward

County/Constituency/ Wards	Pond	Dam	Lake	Stream/ River	Unpro- tected Spring	Unpro- tected Well	Jabia	Water vendor	Other	Unim- proved Sources	Protected Spring	Protected Well	Borehole	Piped into Dwelling	Piped	Rain Water Collection	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
Mombasa County	0.3	0.1	0.0	0.1	0.2	0.8	0.1	22.5	0.1	24.3	1.4	5.8	14.9	15.0	38.6	0.0	75.7	200,234
Changamwe Constituency	0.1	0.0	0.0	0.1	0.1	0.0	0.2	38.2	0.1	38.9	1.4	1.8	3.5	11.0	43.3	0.0	61.1	28,192
Port Reitz	0.1	-	-	-	0.1	0.1	0.1	45.1	0.1	45.4	2.9	1.2	2.7	5.2	42.6	-	54.6	7,659
Kipevu	0.1	-	-	0.1	-	-	0.1	54.4	0.1	54.8	0.9	0.1	0.3	11.7	32.1	0.0	45.2	5,475
Airport	0.3	0.1	0.1	0.2	0.3	0.1	0.6	42.8	0.1	44.7	0.5	5.8	11.2	4.7	33.2	-	55.3	5,970
Changamwe	0.2	-	-	-	0.2	-	-	3.5	-	3.9	0.8	0.8	0.5	49.4	44.6	-	96.1	2,576
Chalani	-	0.0	-	0.1	0.0	-	0.1	26.0	-	26.3	1.2	0.9	1.2	8.0	62.4	-	73.7	6,512
Jomvu Constituency	0.1	0.1	-	0.3	0.1	1.7	0.1	15.5	0.0	18.1	1.4	1.2	1.7	13.0	64.6	0.0	81.9	24,935
Jomvu Kuu	0.1	0.3	-	0.8	0.2	2.6	-	15.5	-	19.5	1.4	0.5	0.4	15.0	63.1	-	80.5	7,867
Miritini	-	-	-	0.1	-	0.2	-	11.6	0.1	11.9	1.9	0.3	0.8	3.7	81.3	-	88.1	5,759
Mikindani	0.2	0.1	-	0.1	0.1	1.8	0.2	17.6	0.1	20.2	1.2	2.0	3.0	16.4	57.2	0.0	79.8	11,309
Kisauni Constituency	0.5	0.1	0.0	0.1	0.1	0.6	0.1	22.2	0.0	23.6	1.8	2.3	5.9	17.4	49.0	-	76.4	41,312
Mjambere	0.2	0.3	-	0.1	0.0	0.2	0.1	22.9	-	23.7	1.0	2.5	6.8	17.8	48.3	-	76.3	6,352
Junda	0.1	-	-	-	0.0	1.7	0.0	24.3	-	26.2	2.5	1.6	4.3	7.5	57.8	-	73.8	6,730
Bamburi	0.3	0.2	-	-	0.3	1.5	0.1	13.6	0.1	15.9	2.9	2.7	3.2	35.5	39.9	-	84.1	5,550
Mwakirunge	5.7	-	-	0.7	-	-	-	-	-	6.3	2.9	-	0.6	2.3	87.9	-	93.7	2,103

Mtopanga	0.6	-	-	0.1	0.0	0.1	0.0	0.1	0.2	26.3	-	27.2	0.3	0.8	2.5	17.5	51.7	-	72.8	5,952
Magogoni	0.3	-	-	-	0.0	0.3	0.1	0.3	0.1	30.8	-	31.5	1.1	3.1	6.9	15.7	41.8	-	68.5	6,607
Shanzu	0.1	0.0	0.0	0.1	0.3	0.3	0.0	0.3	0.0	21.3	-	22.2	2.5	3.3	11.4	18.3	42.2	-	77.8	8,018
Nyali Constituency	0.2	0.1	0.0	0.0	0.1	0.6	0.1	0.1	0.1	24.8	0.1	26.1	1.2	3.7	13.0	17.6	38.3	0.1	73.9	37,918
Fiere Town	0.5	0.1	0.0	0.0	0.2	0.0	-	-	-	30.6	-	31.5	2.2	1.3	6.1	21.3	37.7	-	68.5	9,833
Ziwa La Ngombe	0.1	-	-	0.1	0.2	1.3	-	-	-	20.6	0.2	22.4	0.4	2.0	17.5	16.3	41.3	0.0	77.6	7,567
Mkomani	0.2	0.1	-	-	0.1	1.0	0.3	0.3	0.3	36.0	0.4	38.0	0.7	7.2	24.2	9.8	20.0	0.2	62.0	6,536
Kongowea	0.1	0.1	-	-	0.2	0.5	0.1	-	0.1	19.5	-	20.5	2.5	5.2	13.1	5.6	53.0	0.2	79.5	5,439
Kadzandani	0.0	-	-	0.0	0.0	0.3	0.3	0.3	0.3	16.8	0.0	17.4	0.5	4.4	8.3	28.1	41.1	0.1	82.6	8,543
Likoni Constituency	0.4	0.3	0.0	0.2	0.4	1.5	0.0	-	0.0	12.8	0.1	15.8	1.1	20.5	36.1	6.7	19.8	0.0	84.2	33,287
Mtongwe	0.1	1.1	-	1.0	2.2	3.5	-	-	-	4.8	-	12.7	0.4	17.9	57.7	8.6	2.8	0.0	87.3	5,983
Shika Adabu	0.1	0.2	-	-	-	1.2	0.1	0.1	0.1	3.7	0.1	5.5	1.8	9.6	54.4	5.3	23.5	-	94.5	5,680
Bofu	0.3	0.3	0.0	0.0	0.1	1.6	0.1	0.1	0.1	13.8	-	16.1	1.2	31.9	22.3	3.8	24.7	0.0	83.9	5,987
Likoni	0.0	0.0	-	-	-	0.8	-	-	-	14.5	0.3	15.7	0.9	10.2	10.1	9.5	53.6	-	84.3	4,220
Tibwani	1.0	0.1	0.0	0.1	0.1	0.7	0.0	0.0	0.0	20.3	0.1	22.4	1.2	25.2	32.5	6.9	11.8	0.1	77.6	11,417
Mvita Constituency	0.2	0.3	-	0.2	0.1	0.8	0.2	-	0.2	22.1	0.1	23.9	1.4	4.5	26.5	21.8	22.0	0.1	76.1	34,590
Mji Wa Kale/Makadara	0.3	0.1	-	0.1	-	0.2	-	-	-	4.8	0.1	5.5	0.4	7.0	58.1	20.5	8.5	-	94.5	6,267
Tudor	0.1	-	-	0.1	-	1.1	-	0.1	-	32.4	0.1	33.7	2.1	2.1	15.2	19.5	27.2	0.2	66.3	7,226
Tononoka	0.4	0.2	-	0.1	0.2	1.7	0.9	-	0.9	9.9	-	13.3	1.5	2.0	19.5	30.9	32.8	-	86.7	5,933
Shimanzli/Ganjoni	0.4	-	-	-	-	0.1	-	-	-	13.7	0.1	14.3	0.1	3.7	17.7	27.3	36.9	0.1	85.7	3,931
Majengo	0.1	0.6	-	0.5	0.1	0.6	0.1	-	0.1	34.5	0.1	36.7	1.9	6.2	22.9	17.1	15.2	0.0	63.3	11,233



**Table 28.26: Human Waste Disposal by County, Constituency and Ward**

County/ Constituency	Main Sewer	Septic Tank	Cess Pool	VIP Latrine	Pit Latrine	Improved Sanitation	Pit Latrine Uncovered	Bucket	Bush	Other	Unimproved Sanitation	Number of HH 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
Mombasa County	15.75	14.44	1.52	6.16	43.83	81.70	14.21	1.17	2.72	0.19	18.30	920,121
Changamwe Constituency	25.30	9.67	1.07	4.99	46.21	87.25	11.20	1.18	0.30	0.07	12.75	131,375
Port Reitz	12.25	11.97	1.13	4.92	54.38	84.66	13.76	1.54	0.04	0.00	15.34	33,613
Kipevu	38.16	6.93	1.22	5.16	35.76	87.23	11.22	1.01	0.54	0.00	12.77	27,897
Airport	9.13	12.64	1.42	6.26	53.83	83.28	14.28	1.67	0.72	0.04	16.72	29,243
Changamwe	80.12	8.06	0.27	1.82	5.25	95.52	2.62	1.73	0.11	0.01	4.48	10,792
Chaani	24.01	7.30	0.82	4.81	54.14	91.08	8.40	0.24	0.02	0.27	8.92	29,830
Jomvu Constituency	17.82	11.96	0.93	3.94	44.79	79.44	14.26	0.60	5.40	0.30	20.56	114,864
Jomvu Kuu	11.42	15.71	0.76	4.32	42.56	74.76	15.37	0.87	8.65	0.35	25.24	36,589
Miritini	2.81	14.24	2.69	3.99	53.83	77.56	15.72	0.99	5.11	0.62	22.44	25,830
Mikindani	29.67	8.22	0.19	3.65	41.91	83.62	12.78	0.22	3.26	0.11	16.38	52,445
Kisauni Constituency	7.12	19.16	2.88	6.37	43.44	78.96	13.13	1.20	6.54	0.16	21.04	188,144
Mjambere	3.15	19.40	1.77	6.97	52.58	83.87	14.60	1.35	0.14	0.03	16.13	27,094
Junda	3.32	11.64	1.11	7.94	51.89	75.90	16.60	1.38	5.93	0.19	24.10	39,406
Bamburi	19.28	19.92	9.82	1.92	29.30	80.24	7.56	0.35	11.80	0.05	19.76	21,656
Mwakirunge	0.00	0.09	0.07	0.83	23.51	24.50	5.22	0.38	69.84	0.06	75.50	8,627
Mtopanga	11.00	26.94	3.02	5.95	36.11	83.01	14.71	1.24	0.81	0.22	16.99	26,581
Magogoni	6.27	24.14	2.13	8.70	43.24	84.47	13.08	2.33	0.06	0.06	15.53	28,745
Shanzu	6.46	21.58	2.64	6.69	46.15	83.51	12.32	0.69	3.12	0.35	16.49	36,035
Nyali Constituency	6.19	18.91	1.17	8.05	45.96	80.28	17.48	1.44	0.60	0.20	19.72	183,411
Frere Town	6.73	20.50	1.46	11.97	41.94	82.60	14.49	2.51	0.02	0.38	17.40	41,597
Ziwa La Ngombe	3.34	20.82	0.85	5.20	46.55	76.77	21.47	1.46	0.20	0.11	23.23	40,590
Mkomani	9.38	23.81	1.89	7.65	40.98	83.71	15.19	0.98	0.03	0.10	16.29	30,105
Kongowea	1.96	1.98	0.26	3.98	63.35	71.54	27.00	1.01	0.21	0.25	28.46	33,000
Kadzandani	9.77	25.93	1.39	10.66	38.59	86.35	10.07	0.98	2.48	0.12	13.65	38,119
Likoni Constituency	3.01	4.10	1.21	7.32	60.33	75.97	19.92	1.43	2.41	0.27	24.03	164,449
Mtongwe	8.15	5.87	0.16	4.72	54.69	73.60	16.77	0.37	9.04	0.21	26.40	27,263
Shika Adabu	2.01	0.90	1.14	7.36	71.24	82.64	12.24	0.81	3.73	0.58	17.36	25,926
Bofu	1.47	0.69	1.15	5.94	61.88	71.14	27.78	0.88	0.07	0.13	28.86	28,928
Likoni	0.67	2.90	0.11	3.80	57.42	64.90	31.94	1.92	1.08	0.16	35.10	21,616
Tibwani	2.70	6.73	2.13	10.37	58.52	80.44	16.59	2.25	0.46	0.27	19.56	60,716
Mvita Constituency	44.59	21.01	1.40	4.97	18.81	90.78	7.36	0.95	0.78	0.14	9.22	137,878
Mji Wa Kale/Makadara	73.36	14.11	0.90	3.83	5.22	97.42	0.96	0.24	1.19	0.18	2.58	25,109
Tudor	36.19	20.11	1.51	3.65	24.16	85.63	11.72	0.71	1.84	0.11	14.37	30,785
Tononoka	44.81	22.87	0.41	4.73	15.44	88.26	7.89	3.10	0.42	0.33	11.74	25,593
Shimanzi/Ganjoni	53.91	35.18	1.39	0.64	6.40	97.52	1.95	0.34	0.19	0.01	2.48	17,626
Majengo	28.25	18.51	2.30	8.88	31.21	89.16	10.15	0.44	0.19	0.07	10.84	38,765

**Table 28.27: 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 Memmbers
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
Mombasa County	15.39	14.23	1.52	6.15	44.45	81.75	14.26	1.18	2.63	0.19	18.25	719,887
Changamwe Constituency	25.10	9.30	1.13	5.19	46.57	87.28	11.19	1.18	0.28	0.07	12.72	103,183
Port Reitz	12.39	11.63	1.27	5.12	54.25	84.67	13.81	1.50	0.02	0.00	15.33	25,954
Kipevu	38.00	6.70	1.20	5.22	35.97	87.09	11.32	1.03	0.55	0.00	12.91	22,422
Airport	8.96	11.82	1.49	6.42	54.92	83.62	14.08	1.62	0.63	0.06	16.38	23,273
Changamwe	78.89	8.40	0.35	2.09	5.39	95.13	2.85	1.87	0.15	0.00	4.87	8,216
Chaani	23.97	6.99	0.80	5.08	54.39	91.24	8.21	0.27	0.02	0.25	8.76	23,318
Jomvu Constituency	17.87	12.27	0.92	3.80	44.87	79.73	14.24	0.56	5.17	0.29	20.27	89,929
Jomvu Kuu	11.66	16.02	0.66	4.25	42.65	75.24	15.20	0.87	8.36	0.33	24.76	28,722
Miritini	3.02	14.91	2.79	3.71	53.71	78.13	15.73	0.88	4.60	0.65	21.87	20,071
Mikindani	29.46	8.36	0.19	3.52	42.11	83.64	12.85	0.20	3.23	0.09	16.36	41,136
Kisauni Constituency	6.78	18.62	2.90	6.32	44.38	79.00	13.27	1.19	6.37	0.17	21.00	146,832
Mjambere	3.30	19.22	1.68	7.17	53.16	84.53	14.17	1.11	0.15	0.04	15.47	20,742
Junda	3.44	11.43	1.15	7.58	52.41	76.01	16.62	1.45	5.69	0.22	23.99	32,676
Bamburi	17.73	19.09	10.29	2.06	30.76	79.92	7.62	0.35	12.04	0.07	20.08	16,106
Mwakirunge	0.00	0.05	0.09	0.74	24.05	24.92	5.46	0.09	69.45	0.08	75.08	6,524
Mtopanga	10.88	26.74	2.81	5.88	36.46	82.77	14.95	1.30	0.74	0.23	17.23	20,629
Magogoni	5.96	23.21	2.17	8.72	44.17	84.24	13.38	2.27	0.05	0.05	15.76	22,138
Shanzu	6.15	21.02	2.89	6.41	47.05	83.52	12.44	0.75	2.93	0.35	16.48	28,017
Nyali Constituency	5.83	18.61	1.15	7.94	46.80	80.33	17.47	1.47	0.52	0.20	19.67	145,493
Frere Town	6.76	20.06	1.42	12.05	42.30	82.59	14.25	2.73	0.02	0.41	17.41	31,764
Ziwa La Ngombe	3.12	20.30	0.72	5.33	47.21	76.69	21.69	1.37	0.15	0.10	23.31	33,023
Mkomani	9.29	24.72	2.03	7.32	41.14	84.50	14.34	1.03	0.02	0.11	15.50	23,569
Kongowea	1.71	1.85	0.27	4.00	64.02	71.85	26.66	0.98	0.23	0.27	28.15	27,561
Kadzandani	8.94	25.92	1.47	10.61	39.63	86.57	10.16	1.03	2.14	0.09	13.43	29,576
Likoni Constituency	2.90	4.04	1.16	7.39	60.79	76.30	19.77	1.42	2.30	0.21	23.70	131,162
Mtongwe	7.61	5.52	0.21	4.70	55.60	73.64	16.90	0.29	9.01	0.16	26.36	21,280
Shika Adabu	1.90	0.88	1.11	7.47	72.02	83.38	11.85	0.79	3.47	0.51	16.62	20,246
Bofu	1.41	0.71	1.22	5.93	62.55	71.83	27.26	0.80	0.07	0.04	28.17	22,941
Likoni	0.72	2.73	0.14	3.63	57.44	64.66	32.16	1.97	1.05	0.16	35.34	17,396
Tibwani	2.74	6.72	1.93	10.53	58.79	80.72	16.41	2.26	0.40	0.22	19.28	49,299
Mvita Constituency	45.09	21.40	1.47	4.84	18.02	90.82	7.19	0.97	0.85	0.17	9.18	103,288
Mji Wa Kale/Makadara	72.95	14.75	1.01	3.93	4.71	97.36	0.84	0.24	1.34	0.22	2.64	18,842
Tudor	35.31	19.54	1.56	3.75	24.84	84.99	12.24	0.64	2.00	0.13	15.01	23,559
Tononoka	45.34	23.50	0.48	4.77	14.77	88.86	7.26	3.16	0.34	0.39	11.14	19,660
Shimanzi/Ganjoni	55.02	34.56	1.22	0.66	6.13	97.58	1.79	0.39	0.23	0.01	2.42	13,695
Majengo	29.27	19.50	2.52	8.54	29.55	89.39	9.84	0.47	0.21	0.09	10.61	27,532

Table 28.28: Human Waste Disposal in Female Headed Household by County, Constituency and Ward

County/ Constituency	Main Sewer	Septic Tank	Cess Pool	VIP Latrine	Pit Latrine	Improved Sanitation	Pit Latrine Uncovered	Bucket	Bush	Other	Unimproved Sanitation	Number of HH Memmbers
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
Mombasa	17.0	15.2	1.5	6.2	41.6	81.5	14.1	1.2	3.1	0.2	18.5	200,234.0

Changamwe	26.1	11.0	0.9	4.3	44.9	87.1	11.2	1.2	0.4	0.1	12.9	28,192.0
Port Reitz	11.8	13.1	0.7	4.2	54.8	84.6	13.6	1.7	0.1	0.0	15.4	7,659.0
Kipevu	38.8	7.9	1.3	4.9	34.9	87.8	10.8	0.9	0.5	0.0	12.2	5,475.0
Airport	9.8	15.8	1.2	5.6	49.6	82.0	15.1	1.9	1.1	0.0	18.0	5,970.0
Changamwe	84.0	7.0	0.0	0.9	4.8	96.8	1.9	1.3	0.0	0.0	3.2	2,576.0
Chaani	24.1	8.4	0.9	3.8	53.3	90.5	9.1	0.1	0.0	0.3	9.5	6,512.0
Jomvu	17.6	10.8	1.0	4.5	44.5	78.4	14.3	0.7	6.2	0.3	21.6	24,935.0
Jomvu Kuu	10.6	14.6	1.1	4.6	42.2	73.0	16.0	0.9	9.7	0.4	27.0	7,867.0
Miritini	2.1	11.9	2.3	5.0	54.2	75.6	15.7	1.4	6.9	0.5	24.4	5,759.0
Mikindani	30.4	7.7	0.2	4.1	41.2	83.6	12.5	0.3	3.4	0.2	16.4	11,309.0
Kisauni	8.3	21.1	2.8	6.6	40.1	78.8	12.6	1.3	7.2	0.1	21.2	41,312.0
Mjambere	2.7	20.0	2.1	6.3	50.7	81.7	16.0	2.1	0.1	0.0	18.3	6,352.0
Junda	2.7	12.7	0.9	9.7	49.4	75.4	16.5	1.0	7.1	0.0	24.6	6,730.0
Bamburi	23.8	22.3	8.5	1.5	25.1	81.2	7.4	0.3	11.1	0.0	18.8	5,550.0
Mwakirunge	0.0	0.2	0.0	1.1	21.8	23.2	4.5	1.3	71.0	0.0	76.8	2,103.0
Mtopanga	11.4	27.6	3.7	6.2	34.9	83.9	13.9	1.0	1.1	0.2	16.1	5,952.0
Magogoni	7.3	27.2	2.0	8.6	40.1	85.2	12.1	2.5	0.1	0.1	14.8	6,607.0
Shanzu	7.5	23.6	1.7	7.6	43.0	83.5	11.9	0.5	3.8	0.3	16.5	8,018.0
Nyali	7.6	20.1	1.2	8.5	42.7	80.1	17.5	1.3	0.9	0.2	19.9	37,918.0
Frere Town	6.6	21.9	1.6	11.7	40.8	82.7	15.3	1.8	0.0	0.3	17.3	9,833.0
Ziwa La Ngombe	4.3	23.1	1.4	4.6	43.7	77.1	20.5	1.8	0.4	0.1	22.9	7,567.0
Mkomani	9.7	20.5	1.4	8.8	40.4	80.8	18.3	0.8	0.0	0.0	19.2	6,536.0
Kongowea	3.3	2.6	0.2	3.9	60.0	70.0	28.7	1.1	0.1	0.1	30.0	5,439.0
Kadzandani	12.7	26.0	1.1	10.9	35.0	85.6	9.8	0.8	3.6	0.2	14.4	8,543.0
Likoni	3.5	4.3	1.4	7.0	58.5	74.7	20.5	1.5	2.9	0.5	25.3	33,287.0
Mtongwe	10.1	7.1	0.0	4.8	51.5	73.5	16.3	0.7	9.2	0.4	26.5	5,983.0
Shika Adabu	2.4	1.0	1.2	6.9	68.5	80.0	13.6	0.9	4.7	0.8	20.0	5,680.0
Bofu	1.7	0.6	0.9	6.0	59.3	68.5	29.8	1.2	0.1	0.5	31.5	5,987.0
Likoni	0.5	3.6	0.0	4.5	57.3	65.9	31.0	1.7	1.2	0.2	34.1	4,220.0
Tibwani	2.5	6.8	3.0	9.7	57.3	79.3	17.3	2.2	0.7	0.5	20.7	11,417.0
Mvita	43.1	19.8	1.2	5.3	21.1	90.6	7.9	0.9	0.6	0.1	9.4	34,590.0
Mji Wa Kale/Makadara	74.6	12.2	0.6	3.5	6.7	97.6	1.3	0.3	0.8	0.1	2.4	6,267.0
Tudor	39.1	22.0	1.4	3.3	22.0	87.7	10.0	0.9	1.3	0.0	12.3	7,226.0
Tononoka	43.0	20.8	0.2	4.6	17.7	86.3	10.0	2.9	0.7	0.2	13.7	5,933.0
Shimanzi/Ganjoni	50.0	37.3	2.0	0.6	7.4	97.3	2.5	0.2	0.1	0.0	2.7	3,931.0
Majengo	25.7	16.1	1.8	9.7	35.3	88.6	10.9	0.4	0.1	0.0	11.4	11,233.0





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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](mailto:info@knbs.or.ke); Website: [www.knbs.or.ke](http://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](mailto:sidea@sidint.org) • Website: [www.sidint.net](http://www.sidint.net)