Exploring Kenya's Inequality

Pulling Apart or Pooling Together?

Garissa County

KNBS
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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)
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Striking Features on Intra-County Inequality in Kenya

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

Income/expenditure inequalities

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

Access to Education

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

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

Access to Improved Sanitation

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

Access to Improved Sources of Water

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

Access to Improved Sources of Lighting

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

Access to Improved Housing

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

Overall ranking of the variables

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

Abbreviations

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

Introduction

Background

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

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

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

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

Methodology

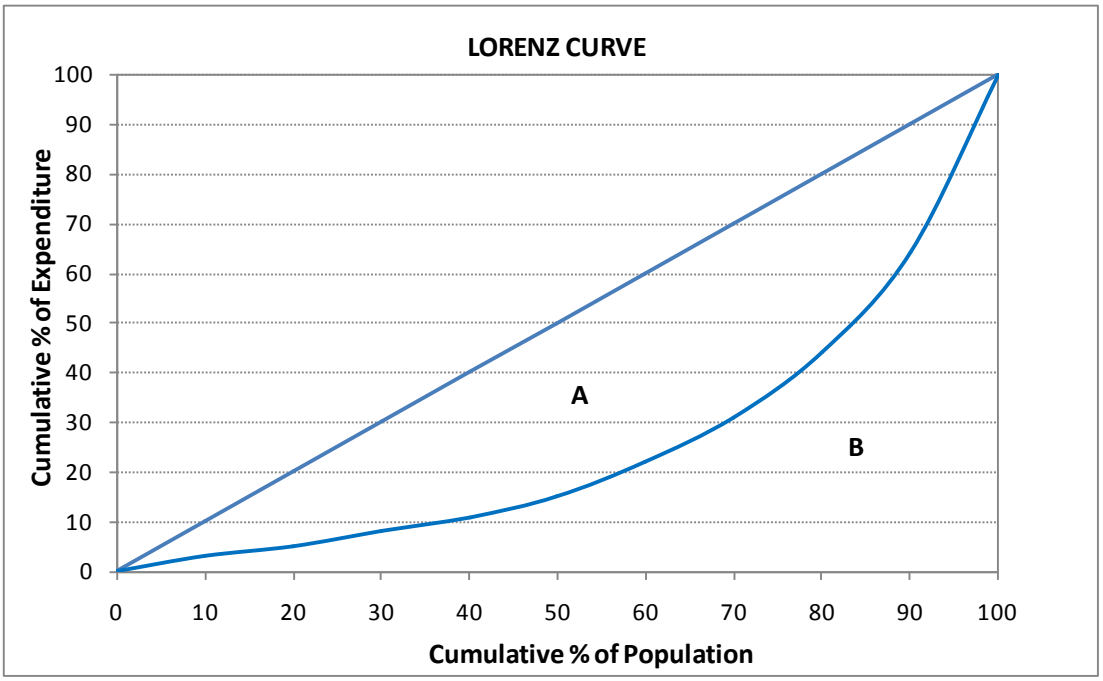
Gini-coefficient of inequality

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

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

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

An Illustration of the Lorenz Curve



Small Area Estimation (SAE)

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

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

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

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

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

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

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

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

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

Identification of poor households Principal Component Analysis (PCA)

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

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

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

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

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

Concepts and definitions

Inequality

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

Equality and Equity

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

Poverty

The poverty line is a threshold below which people are deemed poor. Statistics summarizing the bottom of the consumption distribution (i.e. those that fall below the poverty line) are therefore provided. In 2005/06, the poverty line was estimated at Ksh1,562 and Ksh2,913 per adult equivalent[1] 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.

[1]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.

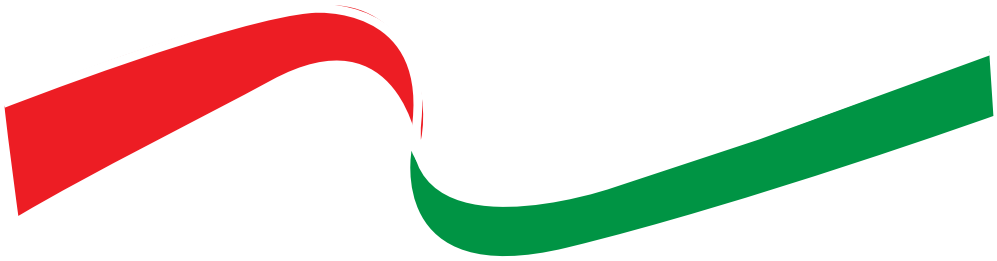
Housing Conditions (Roof, Wall and Floor)

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

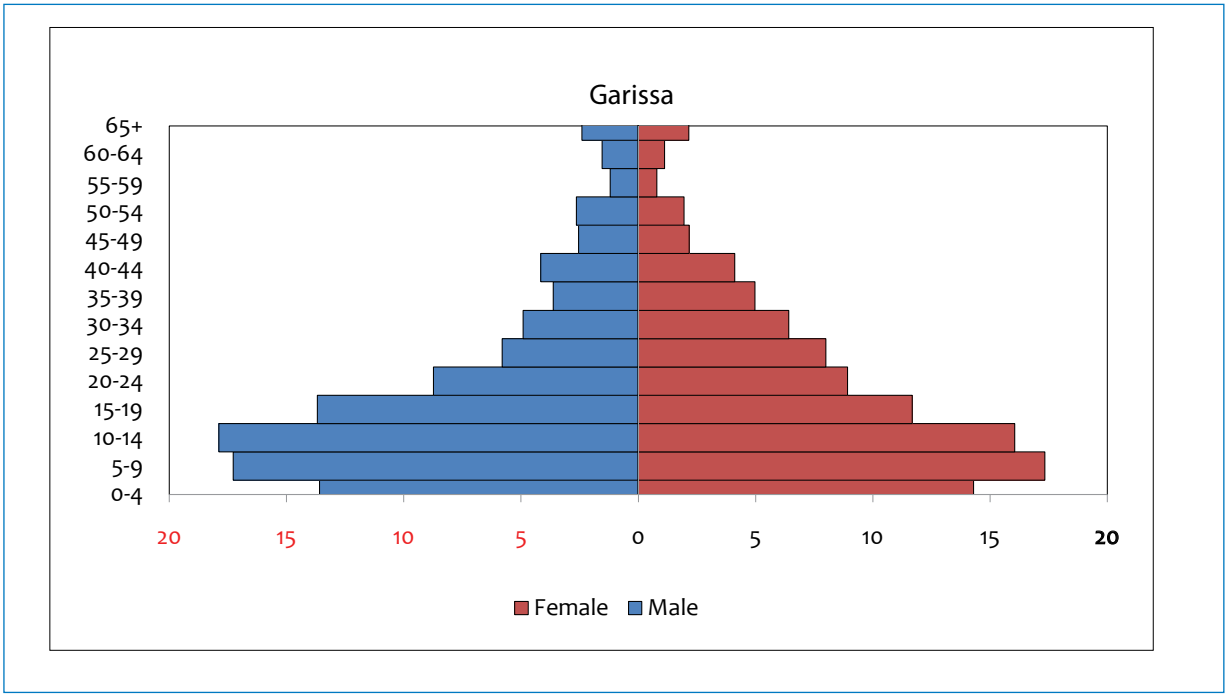
Lack of access to clean sources of energy is a major impediment to development through health related complications such as increased respiratory infections and air pollution. The type of cooking fuel or lighting fuel used by households is related to the socio-economic status of households. High level 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.

Garissa County



7. Garissa County

Figure 7.1: Garissa Population Pyramid



Population

Garissa County has a child rich population, where 0-14 year olds constitute 48% of the total population. This is due to high fertility rates among women as shown by the percentage household size of 4-6 members at 35%. The lower proportion of 0-4 year olds is due to high infant and under five mortality rates

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 7.3 up to ward level.

Table 7: Overall Employment by Education Levels in Garissa County

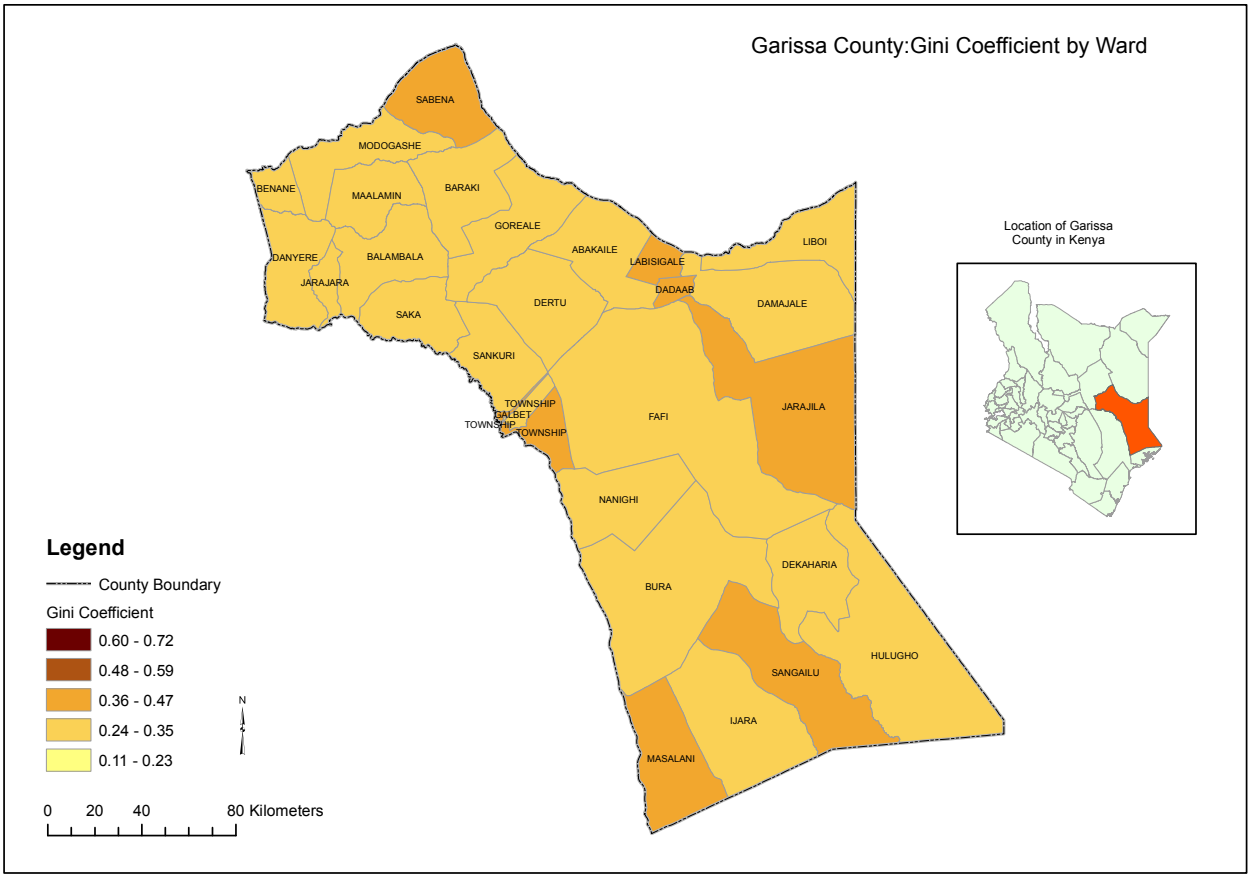
Education Level	Work for pay	Family Business	Family Agricultural Holding	Intern/ Volunteer	Retired/ Homemaker	Fulltime Student	Incapacitated	No work	Number of Individuals
Total	9.9	17.6	26.4	2.1	12.9	8.0	0.4	22.7	235,742
None	6.7	19.6	31.4	2.2	14.8	1.4	0.5	23.6	183,322
Primary	12.7	11.1	11.9	1.5	8.5	31.6	0.2	22.4	27,746
Secondary+	30.6	10.3	6.2	1.9	4.0	30.0	0.2	16.9	24,674

In Garissa County, 7% of the residents with no formal education, 13% for those with primary education and 31% for those with a secondary level of education or above are working for pay. Work for pay is highest in Nairobi at 49% and this is 18 percentage points above the level in Garissa for those with a secondary level of education or above.

Gini Coefficient

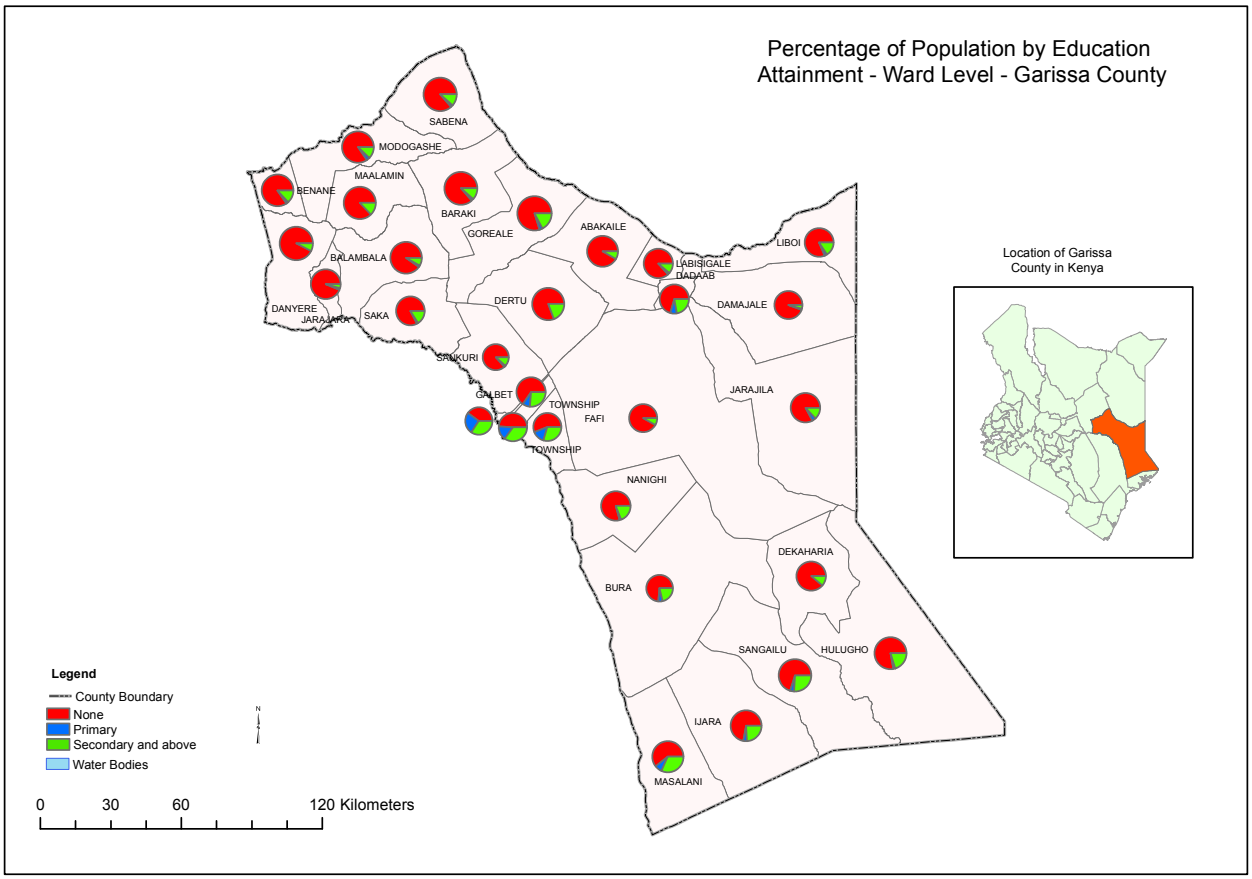
In this report, the Gini index measures the extent to which the distribution of consumption expenditure among individuals or households within an economy deviates from a perfectly equal distribution. A Gini index of '0' represents perfect equality, while an index of '1' implies perfect inequality. Garissa County's Gini index is 0.436 compared with Turkana County, which has the least inequality nationally (0.283).

Figure 7.2: Garissa County-Gini Coefficient by Ward



Education

Figure 7.3: Garissa County-Percentage of Population by Education Attainment by Ward



Only 6% of Garissa county residents have a secondary level of education or above. Garissa Township constituency has the highest share of residents with a secondary level of education or above at 16%. This is 15 percentage points above Balambala constituency, which has the lowest share of residents with a secondary level of education or above. Garissa Township constituency is 10 percentage points above the county average. Township ward has the highest share of residents with a secondary level of education or above at 26%. This is 26 percentage points above Abakaile ward, which has the lowest share of residents with a secondary level of education or above. Township ward is 20 percentage points above the county average.

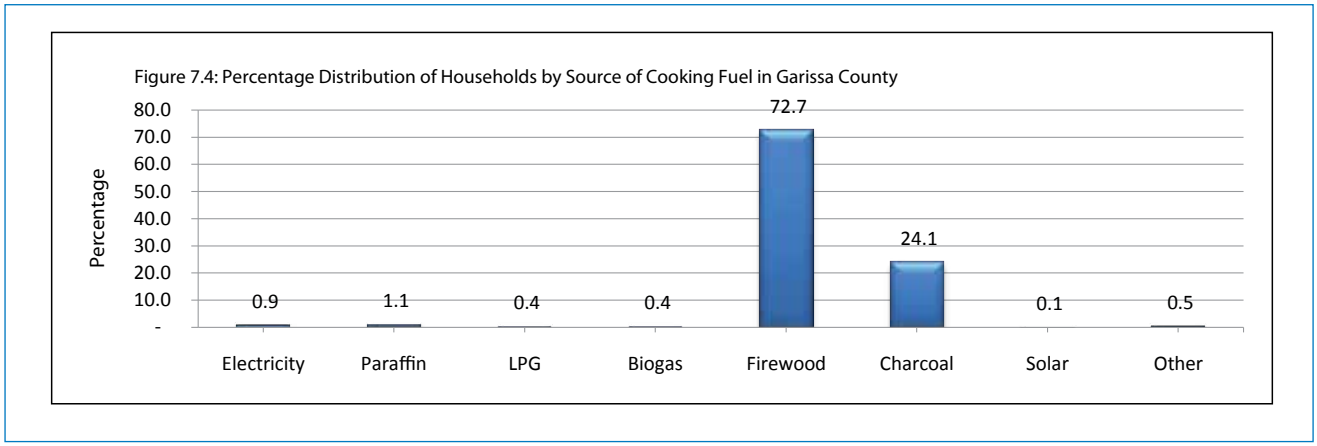
A total of 20% of Garissa county residents have a primary level of education only. Garissa Township constituency has the highest share of residents with a primary level of education only at 32%. This is 23 percentage points above Balambala constituency, which has the lowest share of residents with a primary level of education only. Garissa Township constituency is 12 percentage points above the county average. Galbet ward has the highest share of residents with a primary level of education only at 35%. This is 31 percentage points above Damajale ward, which has the lowest share of residents with a primary level of education only. Galbet ward is 15 percentage points above the county average.

74% of Garissa county residents have no formal education. Balambala constituency has the highest share of residents with no formal education at 90%. This is almost two times Garissa Township constituency, which has the lowest share of residents with no formal education. Balambala constituency is 16 percentage points above the county average. Two wards, Damajale and Jarajara, have the highest percentage of residents with no formal education at 94% each. This is twice Township ward, which has the lowest percentage of residents with no formal education. Damajale and Jarajara are 20 percentage points above the county average.

Energy

Cooking Fuel

Figure 7.4: Percentage Distribution of Households by Source of Cooking Fuel in Garissa County



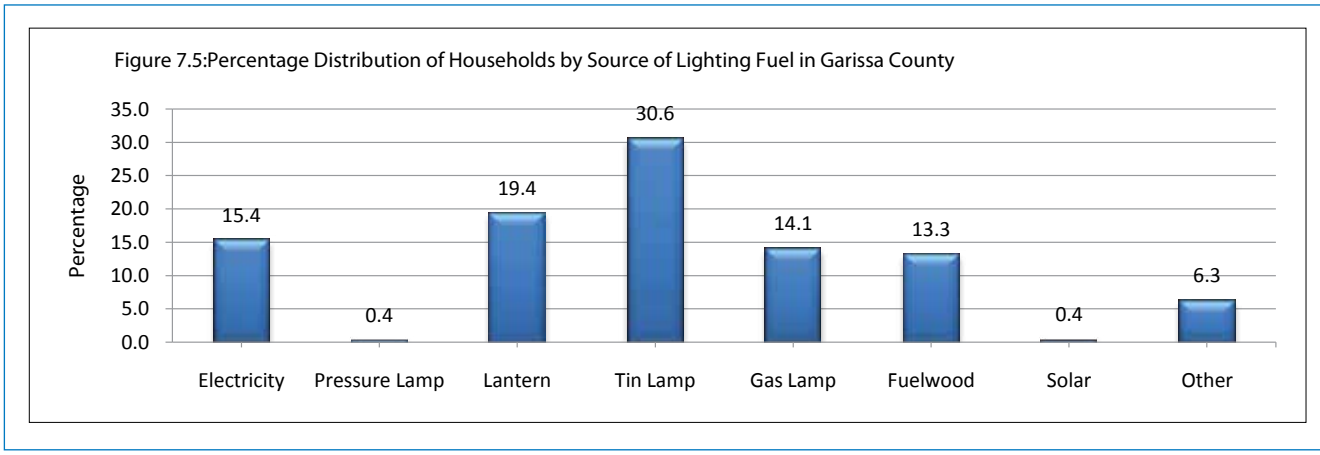
Less than 1% of residents in Garissa County use liquefied petroleum gas (LPG), and 1% use paraffin. A total of 73% use firewood and 24% use charcoal. Firewood is the most common cooking fuel by gender with 75% of male headed households and 64% in female headed households using it.

Lagdera constituency has the highest level of firewood use in Garissa County at 98%.This is almost five times Garissa Township constituency, which has the lowest share. Lagdera constituency is about 25 percentage points above the county average. Dekaharia ward has the highest level of firewood use in Garissa County at 100%.This is 25 times Township ward, which has the lowest share at 4%. Dekaharia ward is 27 percentage points above the county average.

Garissa Township constituency has the highest level of charcoal use in Garissa County at 71%.This is 70 percentage points more than Lagdera constituency, which has the lowest share. Garissa Township constituency is about 47 percentage points above the county average. Township ward has the highest level of charcoal use in Garissa County at 79%. This is 79 percentage points more than Dekaharia ward, which has the lowest share. Township ward is 55 percentage points above the county average.

Lighting

Figure 7.5: Percentage Distribution of Households by Source of Lighting Fuel in Garissa County



Only 15% of residents in Garissa County use electricity as their main source of lighting. A further 19% use lanterns, and 31% use tin lamps. Just 13% use fuel wood. Electricity use is more common in female headed households at 22% as compared with male headed households at 13%.

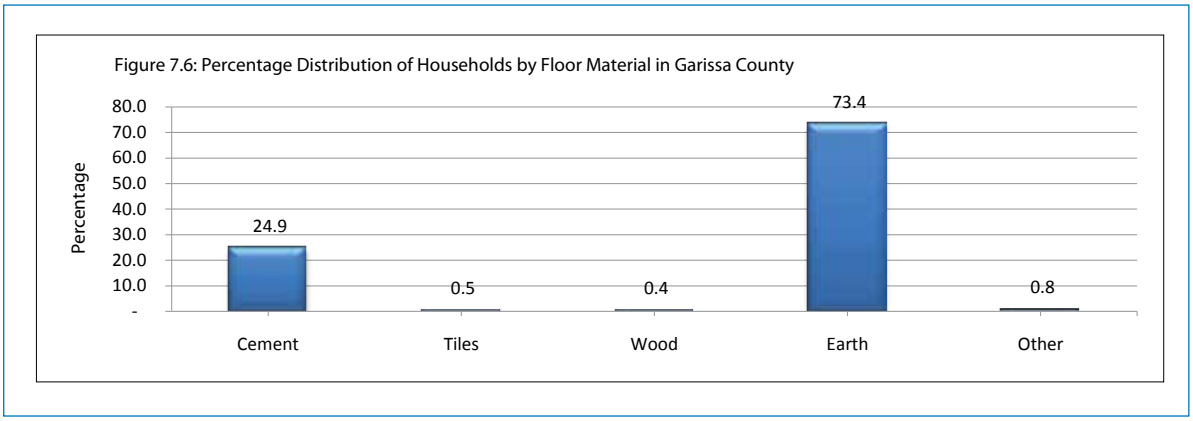
Garissa Township constituency has the highest level of electricity use at 53%.That is 53 percentage points above Lagdera constituency, which has the lowest level of electricity use. Garissa Township constituency is 38 percentage points above the county average. Township ward has the highest level of electricity use at 92%.That is 92 percentage points above 8 wards, which has no level of electricity use. Township ward is 77 percentage points above the county average.

Housing

Flooring

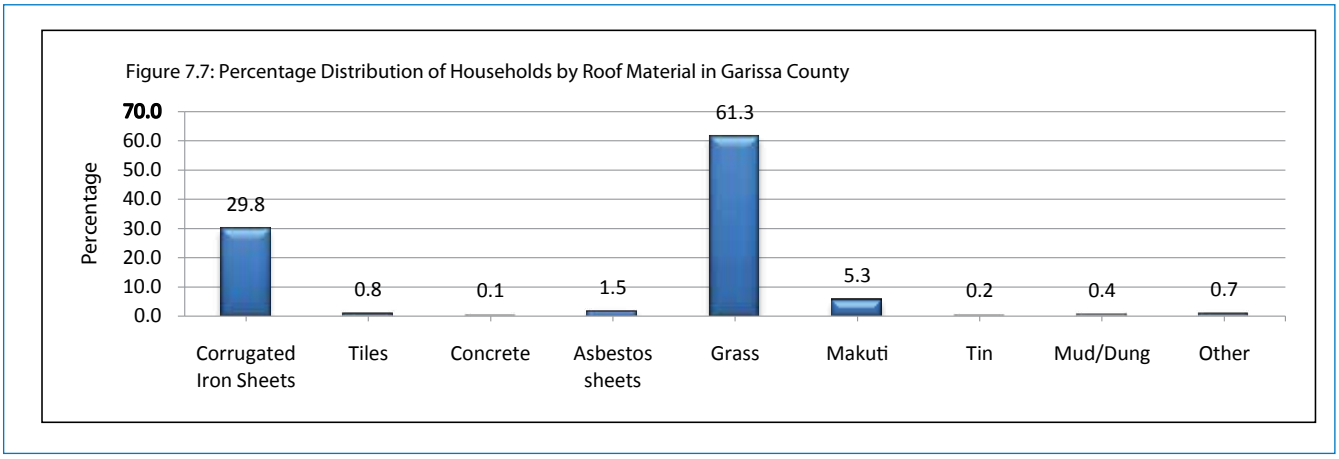
In Garissa County, 25% of residents have homes with cement floors, while 73% have earth floors. Less than 1% has wood floors and just 1% has tile floors. Garissa Township constituency has the highest share of cement floors at 71%.That is 35 times Lagdera constituency, which has the lowest share of cement floors. Garissa Township constituency is 46 percentage points above the county average. Township ward has the highest share of cement floors at 90%.That is 90 percentage points above Maalamin ward, which has the lowest share of cement floors. Township ward is 65 percentage points above the county average.

Figure 7.6: Percentage Distribution of Households by Floor Material in Garissa County



Roofing

Figure 7.7: Percentage Distribution of Households by Roof Material in Garissa County



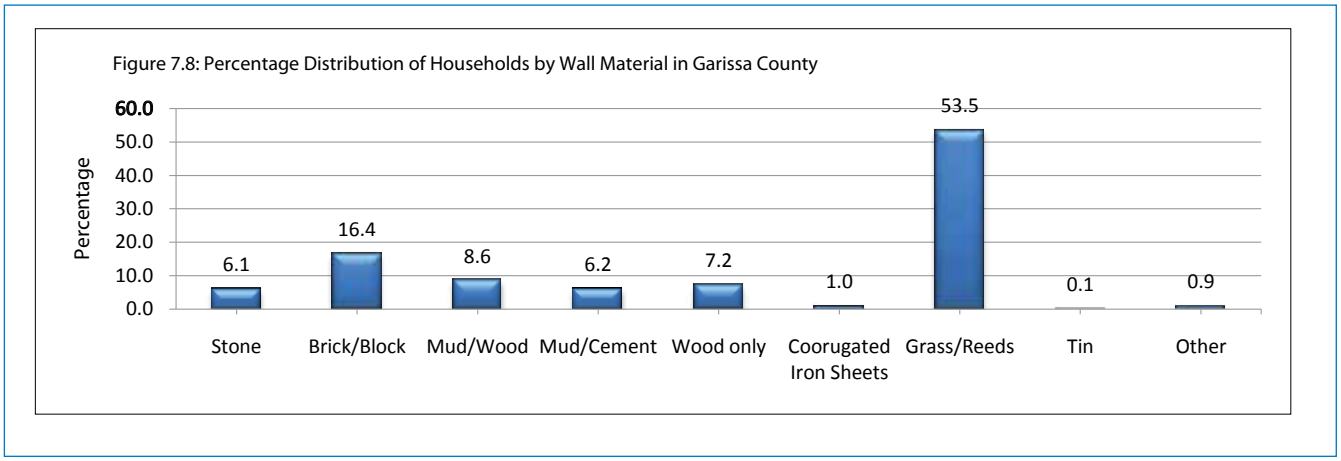
In Garissa County, less than 1% of residents have homes with concrete roofs, while 30% have corrugated iron sheet roofs. Grass and makuti roofs cover 67% of homes, and less than 1% has mud/dung roofs.

Garissa Township constituency has the highest share of corrugated iron sheet roofs at 75%.That is 25 times Balambala constituency, which has the lowest share of corrugated iron sheet roofs. Garissa Township constituency is 45 percentage points above the county average. Township ward has the highest share of corrugated iron sheet roofs at 88%.That is 87 percentage points above Baraki ward, which has the lowest share of corrugated iron sheet roofs. Township ward is 58 percentage points above the county average.

Balambala constituency has the highest share of grass/makuti roofs at 95%.That is six times Garissa Township constituency, which has the lowest share of grass/makuti roofs. Balambala constituency is 28 percentage points above the county average. Three wards, Baraki, Sabena and Danyere, have the highest share of grass/makuti roofs at 99% each. This is 98 percentage points above Township ward, which has the lowest share. Baraki, Sabena and Danyere are 32 percentage points above the county average.

Walls

Figure 7.8: Percentage Distribution of Households by Wall Material in Garissa County



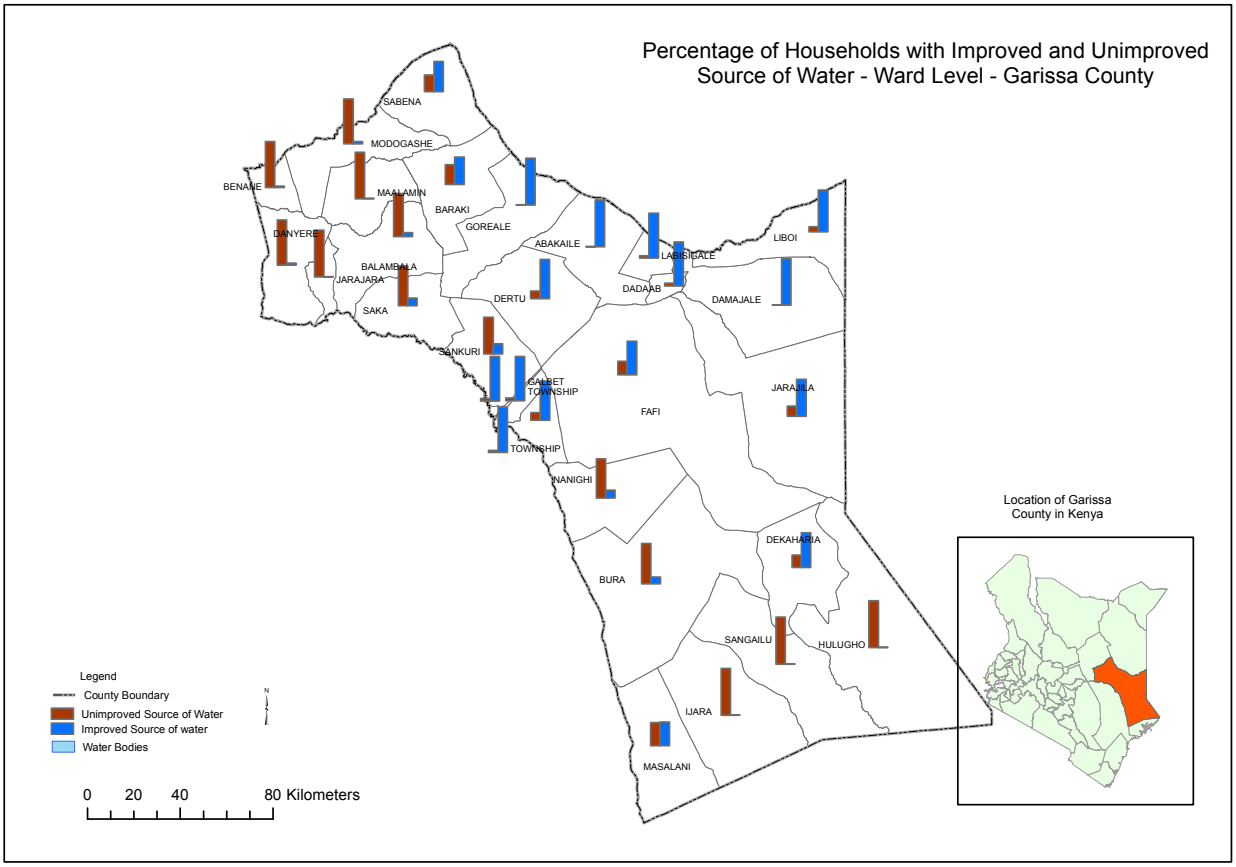
In Garissa County, 23% of homes have either brick or stone walls,15% have mud/wood or mud/cement walls,7% have wood walls,1% has corrugated iron walls, while 54% have grass/thatched walls and 1% has tin or other walls.

Garissa Township constituency has the highest share of brick/stone walls at 69%.That is 68 percentage points above Lagdera constituency, which has the lowest share of brick/stone walls. Garissa Township constituency is 46 percentage points above the county average. Township ward has the highest share of brick/stone walls at 87%. That is 87 percentage points above Baraki ward, which has the lowest share of brick/stone walls. Township ward is 58 percentage points above the county average.

Garissa Township constituency has the highest share of mud with wood/cement walls at 20%.That is almost twice Lagdera constituency, which has the lowest share of mud with wood/cement. Garissa Township constituency is 5 percentage points above the county average. Jarajara ward has the highest share of mud with wood/cement walls at 47%.That is 46 percentage points above Fafi ward, which has the lowest share of mud with wood/cement walls. Jarajara ward is 32 percentage points above the county average.

Water

Figure 7.9: Garissa County-Percentage of Households with Improved and Unimproved Sources of Water by Ward



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

In Garissa County, 51% of residents use improved sources of water, with the rest relying on unimproved sources. Use of improved sources is higher in female headed households at 59% compared with male headed households at 49%.

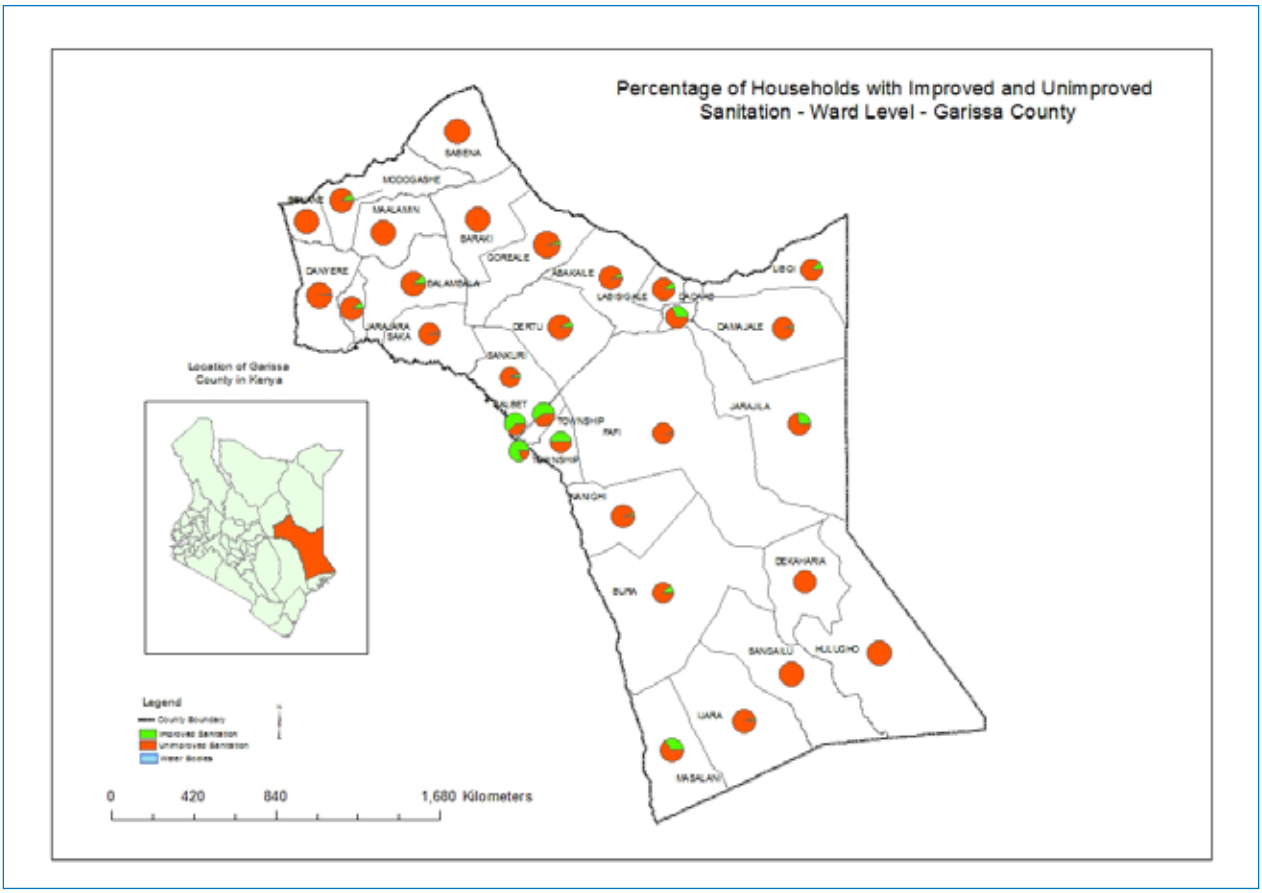
Dadaab constituency has the highest share of residents using improved sources of water at 92%.That is 9 times Balambala constituency, which has the lowest share of residents using improved sources of water. Dadaab constituency is 41 percentage points above the county average. Goreale ward has universal access to improved sources of water at 100%.That is 100 percentage points above Sangailu ward, which has the lowest share using improved sources of water. Goreale ward is 49 percentage points above the county average.

Sanitation

While 22% of residents in Garissa County use improved sanitation, the rest use unimproved sanitation. Use of improved sanitation is higher in female headed households at 31% as compared with male headed households at 19%.

Garissa Township constituency has the highest share of residents using improved sanitation at 62%.That is 16 times Lagdera constituency, which has the lowest share of residents using improved sanitation. Garissa Township constituency is 40 percentage points above the county average. Township ward has the highest share of residents using improved sanitation at 81%.That is 81 percentage points above Hulugh ward, which has the lowest share of residents using improved sanitation. Township ward is 59 percentage points above the county average.

Figure 7.10: Garissa County –Percentage of Households with Improved and Unimproved Sanitation by Ward



Garissa County Annex Tables

7. GARISSA

Table 7.1: Gender, Age group, Demographic Indicators and Households Size by County Constituency and Wards

County Constituency /Wards	Gender			Age group						Demographic indicators				Portion 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 depen-dency Ratio	Child depen-dency Ratio	aged depen-dency ratio	0-3	4-6	7+	total
Kenya	**37,919,647**	**18,787,698**	**19,131,949**	**7,035,670**	**16,346,414**	**8,293,207**	**13,329,717**	**20,249,800**	**1,323,433**	**0.982**	**0.873**	**0.807**	**0.065**	**41.5**	**38.4**	**20.1**	**8,493,380**
Rural	**26,075,195**	**12,869,034**	**13,206,161**	**5,059,515**	**12,024,773**	**6,134,730**	**8,303,007**	**12,984,788**	**1,065,634**	**0.974**	**1.008**	**0.926**	**0.082**	**33.2**	**41.3**	**25.4**	**5,239,879**
Urban	**11,844,452**	**5,918,664**	**5,925,788**	**1,976,155**	**4,321,641**	**2,158,477**	**5,026,710**	**7,265,012**	**257,799**	**0.999**	**0.630**	**0.595**	**0.035**	**54.8**	**33.7**	**11.5**	**3,253,501**
Garissa County	476,627	257,019	219,608	80,866	229,976	135,449	162,094	235,742	10,909	1.170	1.022	0.976	0.046	15.7	34.7	49.6	69,369
Garissa Township Constituency	113,802	58,107	55,695	20,502	49,571	28,191	42,952	60,810	3,421	1.043	0.871	0.815	0.056	29.2	34.5	36.3	19858
Waberi	20,578	10,326	10,252	4,028	9,572	5,219	7,100	10,363	643	1.007	0.986	0.924	0.062	18.7	34.8	46.6	3119
Galbet	42,519	21,984	20,535	7,501	18,468	10,716	16,003	22,733	1,318	1.071	0.870	0.812	0.058	29.1	34.0	36.8	7407
Township	20,827	10,455	10,372	3,312	8,083	5,073	8,974	12,183	561	1.008	0.710	0.663	0.046	39.1	32.3	28.6	4087
Iftin	29,878	15,342	14,536	5,661	13,448	7,183	10,875	15,531	899	1.055	0.924	0.866	0.058	27.9	36.7	35.5	5245
Balambala Con-stituency	72,951	40,597	32,354	11,742	35,706	21,846	24,718	35,665	1,580	1.255	1.045	1.001	0.044	13.2	34.3	52.6	10666
Balambala	20,262	11,431	8,831	2,692	9,315	6,623	7,388	10,571	376	1.294	0.917	0.881	0.036	7.7	32.0	60.3	2623
Danyere	24,763	14,006	10,757	3,675	12,502	8,084	7,932	11,673	588	1.302	1.121	1.071	0.050	3.8	21.2	75.0	3034
Jarajara	7,350	4,022	3,328	1,020	3,289	2,027	2,769	3,947	114	1.209	0.862	0.833	0.029	8.6	45.2	46.1	1134
Saka	9,872	5,352	4,520	2,166	5,421	2,485	2,905	4,260	191	1.184	1.317	1.273	0.045	13.6	48.3	38.1	1649
Sankuri	10,704	5,786	4,918	2,189	5,179	2,627	3,724	5,214	311	1.176	1.053	0.993	0.060	34.5	38.8	26.7	2226

Lagdera Constituency	92,235	51,454	40,781	13,271	45,698	29,446	29,534	44,953	1,584	1.262	1.052	1.017	0.035	3.3	29.1	67.6	11674
Modogashe	28,773	15,658	13,115	4,104	13,820	8,849	9,694	14,446	507	1.194	0.992	0.957	0.035	4.5	34.2	61.3	3926
Benane	13,108	7,259	5,849	2,214	6,508	3,702	4,105	6,329	271	1.241	1.071	1.028	0.043	5.0	33.2	61.7	1824
Goreale	10,009	5,916	4,093	959	4,757	3,683	3,378	5,139	113	1.445	0.948	0.926	0.022	1.8	16.5	81.7	1210
Maalamin	10,770	6,038	4,732	1,692	5,657	3,421	3,037	4,942	171	1.276	1.179	1.145	0.035	2.2	31.9	65.9	1432
Sabena	19,803	11,174	8,629	2,906	9,910	6,603	6,314	9,566	327	1.295	1.070	1.036	0.034	1.5	22.6	75.9	2080
Baraki	9,772	5,409	4,363	1,396	5,046	3,188	3,006	4,531	195	1.240	1.157	1.114	0.043	3.1	26.3	70.6	1202
Dadaab Constituency	68,736	37,447	31,289	12,334	33,542	18,600	23,393	33,656	1,538	1.197	1.042	0.997	0.046	13.5	38.8	47.7	9244
Dertu	14,938	8,284	6,654	2,846	8,143	4,354	4,383	6,584	211	1.245	1.269	1.237	0.032	5.8	31.5	62.8	2065
Dadaab	15,636	8,423	7,213	2,737	6,840	3,828	5,989	8,354	442	1.168	0.872	0.819	0.053	16.4	31.1	52.5	1199
Labisigale	5,442	2,961	2,481	999	2,617	1,444	1,946	2,725	100	1.193	0.997	0.960	0.037	15.2	38.5	46.2	623
Damajale	9,250	4,986	4,264	1,611	4,440	2,433	3,201	4,606	204	1.169	1.008	0.964	0.044	18.3	49.5	32.2	1629
Liboi	11,089	5,776	5,313	2,048	5,247	2,755	3,695	5,463	379	1.087	1.030	0.960	0.069	20.5	44.4	35.1	1942
Abakaile	12,381	7,017	5,364	2,093	6,255	3,786	4,179	5,924	202	1.308	1.090	1.056	0.034	8.0	36.6	55.4	1786
Fafi Constituency	36,736	19,670	17,066	7,453	18,560	9,344	11,795	17,318	858	1.153	1.121	1.072	0.050	19.5	44.2	36.3	6085
Bura	5,247	2,683	2,564	1,188	2,647	1,185	1,567	2,443	157	1.046	1.148	1.084	0.064	28.2	48.3	23.4	1062
Dekaharia	9,470	5,193	4,277	1,803	4,962	2,674	2,939	4,378	130	1.214	1.163	1.133	0.030	14.0	44.0	42.0	1560
Jarajila	9,612	5,121	4,491	1,945	4,577	2,197	3,325	4,772	263	1.140	1.014	0.959	0.055	22.1	40.1	37.9	1355
Fafi	5,099	2,701	2,398	1,051	2,616	1,371	1,657	2,360	123	1.126	1.161	1.108	0.052	20.5	47.8	31.7	921

Nanighi	7,308	3,972	3,336	1,466	3,758	1,917	2,307	3,365	185	1.191	1.172	1.117	0.055	15.0	42.7	42.3	1187
Ijara Constituency	92,167	49,744	42,423	15,564	46,899	28,022	29,702	43,340	1,928	1.173	1.127	1.082	0.044	7.2	33.1	59.7	11842
Hulugho	20,763	11,054	9,709	3,479	10,824	6,391	6,592	9,564	375	1.139	1.171	1.132	0.039	4.2	33.6	62.2	2652
Sangailu	23,260	13,228	10,032	3,573	11,871	7,435	7,739	11,053	336	1.319	1.104	1.074	0.030	2.6	29.6	67.8	2406
Ijara	15,912	8,566	7,346	2,930	7,974	4,539	5,059	7,574	364	1.166	1.101	1.053	0.048	6.6	36.3	57.1	2209
Masalani	32,232	16,896	15,336	5,582	16,230	9,657	10,312	15,149	853	1.102	1.128	1.071	0.056	11.6	33.1	55.3	4575

Table 7.2: Employment by County, Constituency and Wards

County Constituency /Wards	Work for pay	Family Business	Family Agricultural Holding	Intern/ Volunteer	Retired/ Homemaker	Fulltime Student	Incapacitated	No work	No. 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**
Garissa County	9.9	17.6	26.4	2.1	12.9	8.0	0.4	22.7	235,742
Garissa Township Constituency	19.6	13.9	9.1	2.8	17.7	14.4	0.5	22.0	60,810
Waberi	15.5	15.8	9.5	4.3	15.4	10.9	0.6	28.0	10,363
Galbet	17.9	14.8	8.0	2.3	17.7	16.8	0.5	22.1	22,733
Township	25.2	16.0	6.1	2.7	15.9	16.6	0.3	17.3	12,183
Iftin	20.7	9.5	12.8	2.8	20.5	11.6	0.4	21.6	15,531
Balambala Constituency	5.0	14.8	42.6	3.1	13.2	3.3	0.2	17.7	35,665
Balambala	4.8	16.0	37.9	1.8	13.9	4.0	0.3	21.2	10,571
Danyere	4.9	11.1	50.4	5.7	8.2	2.3	0.1	17.3	11,673
Jarajara	6.3	32.9	27.3	4.3	7.0	0.4	0.2	21.6	3,947
Saka	4.3	5.0	39.2	0.6	37.9	7.1	0.5	5.5	4,260
Sankuri	5.4	14.7	49.1	1.2	7.4	3.4	0.2	18.7	5,214
Lagdera Constituency	4.7	22.4	23.8	1.0	11.7	4.7	0.9	31.0	44,953
Modogashe	5.7	29.6	18.4	1.5	12.1	5.6	0.2	26.8	14,446
Benane	7.3	33.9	13.0	0.6	29.0	4.2	0.7	11.3	6,329
Goreale	3.8	11.9	20.0	0.7	5.6	4.3	4.1	49.6	5,139
Maalamin	4.1	4.8	53.3	0.9	12.3	5.6	1.1	17.9	4,942
Sabena	3.3	12.6	24.4	1.0	6.6	3.3	0.5	48.4	9,566
Baraki	2.0	34.9	26.6	0.3	3.0	5.0	0.0	28.0	4,531
Dadaab Constituency	7.2	23.9	24.4	2.2	10.3	4.8	0.2	27.1	33,656
Dertu	3.8	34.9	29.1	0.7	6.4	6.6	0.2	18.4	6,584
Dadaab	13.8	9.4	7.0	4.1	14.0	7.0	0.3	44.3	8,354
Labisigale	8.1	9.1	7.9	1.8	21.9	2.0	0.2	49.0	2,725
Damajale	2.8	42.4	37.2	1.1	5.2	0.6	0.1	10.6	4,606
Liboi	6.6	21.3	33.7	1.7	7.3	3.9	0.1	25.5	5,463
Abakaile	5.4	26.8	32.6	2.5	10.9	4.7	0.5	16.6	5,924

Fafi Constituency	5.7	14.2	44.8	0.8	16.9	2.8	0.3	14.6	17,318
Bura	10.6	12.7	53.0	1.0	13.1	3.0	0.3	6.3	2,443
Dekaharia	2.0	25.0	39.7	0.2	31.3	0.4	0.1	1.3	4,378
Jarajila	7.3	7.5	49.3	0.7	7.2	1.8	0.4	25.8	4,772
Fafi	5.6	2.7	60.9	1.1	1.0	3.6	0.4	24.8	2,360
Nanighi	4.7	18.7	27.9	1.3	25.6	6.7	0.1	15.1	3,365
Ijara Constituency	9.4	16.7	34.5	1.7	7.8	10.7	0.3	19.1	43,340
Hulugho	6.8	24.0	36.4	2.4	4.5	7.8	0.2	17.8	9,564
Sangailu	7.8	12.9	48.0	0.8	4.2	13.7	0.3	12.4	11,053
Ijara	12.0	16.9	41.3	1.2	5.2	9.0	0.3	14.2	7,574
Masalani	10.8	14.7	20.1	2.0	13.9	11.1	0.2	27.2	15,149

Table 7.3: Employment and Education Levels by County, Constituency and Wards

County / constituency/ Wards	Education Total level	Work for pay	Family Business	Family Agricultural Holding	Intern/ Volunteer	Retired/ Homemaker	Full-time Student	Incapacitated	No work	No. 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**
Garissa	Total	9.9	17.6	26.4	2.1	12.9	8.0	0.4	22.7	235,742
Garissa	None	6.7	19.6	31.4	2.2	14.8	1.4	0.5	23.6	183,322
Garissa	Primary	12.7	11.1	11.9	1.5	8.5	31.6	0.2	22.4	27,746
Garissa	Secondary+	30.6	10.3	6.2	1.9	4.0	30.0	0.2	16.9	24,674
Garissa Township Constituency	Total	19.6	13.9	9.1	2.8	17.7	14.4	0.5	22.0	60,810
Garissa Township Constituency	None	13.4	16.1	11.9	3.6	26.0	1.9	0.7	26.5	31,949
Garissa Township Constituency	Primary	18.7	11.4	7.4	2.0	12.8	28.2	0.3	19.1	13,179
Garissa Township Constituency	Secondary+	33.2	11.3	4.8	1.9	4.9	28.4	0.2	15.4	15,682
Waberi Wards	Total	15.5	15.8	9.5	4.3	15.4	10.9	0.6	28.0	10,363

Waberi Wards	None	14.6	18.5	10.8	5.0	19.5	1.7	0.7	29.3	7,229
Waberi Wards	Primary	12.5	8.1	7.8	2.5	7.8	34.9	0.4	26.2	1,673
Waberi Wards	Secondary+	23.5	11.6	5.4	2.7	4.0	28.8	0.1	23.8	1,461
Galbet Wards	Total	17.9	14.8	8.0	2.3	17.7	16.8	0.5	22.1	22,733
Galbet Wards	None	12.8	18.7	9.8	2.9	26.2	1.8	0.8	27.0	11,456
Galbet Wards	Primary	18.1	11.4	7.3	1.6	13.5	29.9	0.2	18.1	5,469
Galbet Wards	Secondary+	27.6	10.4	5.0	1.7	4.8	34.0	0.2	16.4	5,808
Township Wards	Total	25.2	16.0	6.1	2.7	15.9	16.6	0.3	17.3	12,183
Township Wards	None	14.9	18.2	6.8	3.8	29.0	3.6	0.5	23.2	4,527
Township Wards	Primary	21.8	15.3	7.3	2.0	12.6	25.7	0.2	15.1	2,947
Township Wards	Secondary+	37.1	14.4	4.6	2.0	5.3	23.4	0.2	12.9	4,709
Iftin Wards	Total	20.7	9.5	12.8	2.8	20.5	11.6	0.4	21.6	15,531
Iftin Wards	None	12.2	9.8	18.4	3.4	29.4	1.2	0.5	25.2	8,737
Iftin Wards	Primary	20.4	9.6	7.3	2.3	14.6	24.1	0.6	21.0	3,090
Iftin Wards	Secondary+	40.9	8.5	4.5	1.8	4.6	25.8	0.3	13.7	3,704
Balambala Constituency	Total	5.0	14.8	42.6	3.1	13.2	3.3	0.2	17.7	35,665
Balambala Constituency	None	4.3	15.3	44.5	3.1	13.8	1.3	0.2	17.4	33,291
Balambala Constituency	Primary	9.9	8.4	20.3	0.9	5.0	31.6	0.1	23.8	1,496
Balambala Constituency	Secondary+	23.7	4.4	9.3	6.6	3.5	32.2	0.5	19.7	878
Balambala Wards	Total	4.8	16.0	37.9	1.8	13.9	4.0	0.3	21.2	10,571
Balambala Wards	None	4.1	16.7	40.3	1.8	14.6	1.8	0.3	20.5	9,798
Balambala Wards	Primary	8.6	9.6	9.8	1.3	6.7	33.8	0.2	30.1	479
Balambala Wards	Secondary+	23.8	4.8	3.4	1.7	2.7	31.6	1.0	31.0	294
Danyere Wards	Total	4.9	11.1	50.4	5.7	8.2	2.3	0.1	17.3	11,673
Danyere Wards	None	4.5	11.3	51.6	6.0	8.5	0.9	0.1	17.1	11,168
Danyere Wards	Primary	11.0	7.3	30.0	0.3	0.3	28.8	-	22.3	327
Danyere Wards	Secondary+	18.0	4.5	15.2	2.3	1.1	41.6	-	17.4	178
Jarajara Wards	Total	6.3	32.9	27.3	4.3	7.0	0.4	0.2	21.6	3,947
Jarajara Wards	None	5.4	34.8	28.6	3.2	7.4	0.1	0.2	20.3	3,692
Jarajara Wards	Primary	14.5	10.1	10.1	1.5	1.5	5.8	-	56.5	138
Jarajara Wards	Secondary+	23.1	1.7	6.8	40.2	1.7	3.4	-	23.1	117

Saka Wards	Total	4.3	5.0	39.2	0.6	37.9	7.1	0.5	5.5	4,260
Saka Wards	None	3.5	4.8	41.7	0.6	40.6	2.9	0.5	5.3	3,869
Saka Wards	Primary	5.4	6.5	19.6	1.2	11.2	47.7	-	8.5	260
Saka Wards	Secondary+	25.2	5.3	5.3	-	9.9	49.6	-	4.6	131
Sankuri Wards	Total	5.4	14.7	49.1	1.2	7.4	3.4	0.2	18.7	5,214
Sankuri Wards	None	4.2	15.4	51.1	1.3	7.8	0.9	0.1	19.3	4,764
Sankuri Wards	Primary	12.7	8.2	32.2	0.7	3.4	29.1	0.3	13.4	292
Sankuri Wards	Secondary+	29.1	5.1	19.0	1.3	3.8	29.8	0.6	11.4	158
Lagdera Constituency	Total	4.7	22.4	23.8	1.0	11.7	4.7	0.9	31.0	44,953
Lagdera Constituency	None	4.2	23.5	25.0	0.9	12.6	1.2	1.0	31.5	40,248
Lagdera Constituency	Primary	4.9	13.9	15.6	1.2	4.2	31.8	0.1	28.2	2,791
Lagdera Constituency	Secondary+	13.3	10.6	10.0	1.0	2.5	39.4	0.1	23.2	1,914
Modogashe Wards	Total	5.7	29.6	18.4	1.5	12.1	5.6	0.2	26.8	14,446
Modogashe Wards	None	4.9	31.8	19.1	1.4	13.5	1.2	0.3	28.0	12,813
Modogashe Wards	Primary	7.4	14.4	17.3	2.6	2.5	38.2	0.1	17.4	798
Modogashe Wards	Secondary+	16.5	10.2	9.9	1.9	0.8	42.3	0.1	18.2	835
Benane Wards	Total	7.3	33.9	13.0	0.6	29.0	4.2	0.7	11.3	6,329
Benane Wards	None	6.5	35.7	14.5	0.6	30.8	0.9	0.8	10.2	5,597
Benane Wards	Primary	7.5	24.9	2.3	0.2	17.5	29.8	-	17.9	470
Benane Wards	Secondary+	23.3	10.7	1.2	0.4	12.6	28.6	-	23.3	262
Goreale Wards	Total	3.8	11.9	20.0	0.7	5.6	4.3	4.1	49.6	5,139
Goreale Wards	None	3.5	12.9	21.2	0.7	6.2	0.3	4.8	50.4	4,372
Goreale Wards	Primary	4.3	9.1	15.6	0.8	1.6	18.2	-	50.5	507
Goreale Wards	Secondary+	8.5	1.9	9.2	-	1.9	45.4	-	33.1	260
Maalamin Wards	Total	4.1	4.8	53.3	0.9	12.3	5.6	1.1	17.9	4,942
Maalamin Wards	None	4.0	4.7	55.1	0.8	13.1	3.2	1.2	17.9	4,629
Maalamin Wards	Primary	3.4	7.9	29.2	0.8	1.1	41.2	-	16.5	267
Maalamin Wards	Secondary+	15.2	2.2	13.0	2.2	2.2	37.0	-	28.3	46
Sabena Wards	Total	3.3	12.6	24.4	1.0	6.6	3.3	0.5	48.4	9,566
Sabena Wards	None	3.4	12.7	24.7	1.0	7.2	1.0	0.5	49.6	8,732
Sabena Wards	Primary	1.0	11.7	22.4	1.0	0.8	21.8	0.6	40.8	505

Sabena Wards	Secondary+	6.4	9.7	18.8	-	0.3	35.3	-	29.5	329
Baraki Wards	Total	2.0	34.9	26.6	0.3	3.0	5.0	0.0	28.0	4,531
Baraki Wards	None	1.9	36.6	28.7	0.3	3.3	0.5	0.0	28.7	4,105
Baraki Wards	Primary	2.9	12.7	7.0	0.4	-	53.3	-	23.8	244
Baraki Wards	Secondary+	3.3	28.0	7.1	0.6	0.6	41.2	-	19.2	182
Dadaab Constituency	Total	7.2	23.9	24.4	2.2	10.3	4.8	0.2	27.1	33,656
Dadaab Constituency	None	5.6	26.4	27.1	2.2	11.3	1.0	0.3	26.2	29,042
Dadaab Constituency	Primary	8.5	7.8	7.7	1.3	5.0	34.4	0.2	35.2	2,991
Dadaab Constituency	Secondary+	33.9	8.4	6.3	3.6	2.7	18.2	0.1	26.9	1,623
Dertu Wards	Total	3.8	34.9	29.1	0.7	6.4	6.6	0.2	18.4	6,584
Dertu Wards	None	3.8	37.6	31.3	0.7	6.9	0.7	0.2	18.8	6,047
Dertu Wards	Primary	2.1	2.9	3.2	0.4	-	80.0	-	11.3	476
Dertu Wards	Secondary+	16.4	16.4	13.1	3.3	1.6	18.0	-	31.2	61
Dadaab Wards	Total	13.8	9.4	7.0	4.1	14.0	7.0	0.3	44.3	8,354
Dadaab Wards	None	10.8	10.9	8.0	4.8	17.6	0.6	0.4	47.0	5,963
Dadaab Wards	Primary	11.8	5.3	5.2	1.6	6.1	26.1	0.3	43.6	1,408
Dadaab Wards	Secondary+	35.1	6.0	4.0	3.8	3.5	18.7	0.1	28.9	983
Labisigale Wards	Total	8.1	9.1	7.9	1.8	21.9	2.0	0.2	49.0	2,725
Labisigale Wards	None	6.1	9.3	8.5	1.9	24.3	0.1	0.2	49.7	2,404
Labisigale Wards	Primary	8.9	7.9	3.0	1.0	5.4	19.2	-	54.7	203
Labisigale Wards	Secondary+	47.5	7.6	3.4	2.5	1.7	11.9	-	25.4	118
Damajale Wards	Total	2.8	42.4	37.2	1.1	5.2	0.6	0.1	10.6	4,606
Damajale Wards	None	1.9	44.0	38.8	0.8	5.2	0.1	0.1	9.2	4,371
Damajale Wards	Primary	8.5	17.8	10.1	3.1	10.1	4.7	-	45.7	129
Damajale Wards	Secondary+	34.9	8.5	4.7	12.3	-	17.0	-	22.6	106
Liboi Wards	Total	6.6	21.3	33.7	1.7	7.3	3.9	0.1	25.5	5,463
Liboi Wards	None	5.1	22.4	37.5	1.8	7.9	0.9	0.1	24.3	4,582
Liboi Wards	Primary	6.8	15.8	14.9	1.4	5.6	19.8	-	35.6	570
Liboi Wards	Secondary+	27.7	15.1	12.5	1.0	1.9	17.7	-	24.1	311
Abakaile Wards	Total	5.4	26.8	32.6	2.5	10.9	4.7	0.5	16.6	5,924
Abakaile Wards	None	5.2	27.7	33.2	2.6	11.2	2.6	0.5	17.0	5,675

Abakaile Wards	Primary	4.4	7.3	18.5	0.5	3.4	59.5	0.5	5.9	205
Abakaile Wards	Secondary+	36.4	4.6	15.9	2.3	-	29.6	-	11.4	44
Fafi Constituency	Total	5.7	14.2	44.8	0.8	16.9	2.8	0.3	14.6	17,318
Fafi Constituency	None	3.0	14.6	48.2	0.8	17.8	0.9	0.3	14.4	15,380
Fafi Constituency	Primary	10.5	13.3	23.3	1.1	11.5	22.8	-	17.5	1,165
Fafi Constituency	Secondary+	52.4	7.0	8.3	0.3	6.0	10.4	-	15.8	773
Bura Wards	Total	10.6	12.7	53.0	1.0	13.1	3.0	0.3	6.3	2,443
Bura Wards	None	4.1	11.8	61.1	1.2	15.8	0.1	0.4	5.5	1,971
Bura Wards	Primary	17.1	20.4	26.9	-	3.7	19.2	-	12.7	245
Bura Wards	Secondary+	60.8	11.5	10.1	0.9	-	11.0	-	5.7	227
Dekaharia Wards	Total	2.0	25.0	39.7	0.2	31.3	0.4	0.1	1.3	4,378
Dekaharia Wards	None	1.5	25.7	41.1	0.2	30.1	-	0.2	1.2	4,115
Dekaharia Wards	Primary	4.1	18.6	20.6	1.0	47.4	4.6	-	3.6	194
Dekaharia Wards	Secondary+	23.2	1.5	5.8	-	56.5	11.6	-	1.5	69
Jarajila Wards	Total	7.3	7.5	49.3	0.7	7.2	1.8	0.4	25.8	4,772
Jarajila Wards	None	2.4	7.3	55.5	0.7	7.8	0.2	0.5	25.7	4,020
Jarajila Wards	Primary	12.1	11.4	23.3	1.5	6.1	15.5	-	30.1	412
Jarajila Wards	Secondary+	60.3	5.0	7.1	-	1.5	4.1	-	22.1	340
Fafi Wards	Total	5.6	2.7	60.9	1.1	1.0	3.6	0.4	24.8	2,360
Fafi Wards	None	5.4	2.7	61.9	1.0	1.1	2.6	0.4	25.0	2,252
Fafi Wards	Primary	2.4	2.4	46.4	3.6	-	31.0	-	14.3	84
Fafi Wards	Secondary+	41.7	4.2	12.5	-	-	-	-	41.7	24
Nanighi Wards	Total	4.7	18.7	27.9	1.3	25.6	6.7	0.1	15.1	3,365
Nanighi Wards	None	3.3	19.8	29.7	1.4	28.2	2.4	0.1	15.0	3,022
Nanighi Wards	Primary	8.7	8.7	13.0	0.9	3.5	52.2	-	13.0	230
Nanighi Wards	Secondary+	31.9	8.0	8.9	-	1.8	29.2	-	20.4	113
Ijara Constituency	Total	9.4	16.7	34.5	1.7	7.8	10.7	0.3	19.1	43,340
Ijara Constituency	None	8.1	18.6	40.4	1.8	9.5	2.1	0.3	19.2	33,412
Ijara Constituency	Primary	6.6	10.9	18.0	1.1	3.0	39.2	0.2	21.1	6,124
Ijara Constituency	Secondary+	24.4	9.0	8.9	1.0	1.2	40.6	0.0	14.9	3,804
Hulugho Wards	Total	6.8	24.0	36.4	2.4	4.5	7.8	0.2	17.8	9,564

Hulugho Wards	None	6.5	26.2	40.0	2.5	5.1	1.5	0.2	18.0	8,206
Hulugho Wards	Primary	6.0	12.0	16.6	2.1	1.1	43.2	0.4	18.6	994
Hulugho Wards	Secondary+	16.2	7.4	9.6	0.3	-	53.9	-	12.6	364
Sangailu Wards	Total	7.8	12.9	48.0	0.8	4.2	13.7	0.3	12.4	11,053
Sangailu Wards	None	8.3	13.7	54.7	0.9	4.6	4.0	0.4	13.4	8,836
Sangailu Wards	Primary	3.7	9.6	25.4	0.2	3.4	49.2	0.1	8.4	1,455
Sangailu Wards	Secondary+	8.8	9.1	12.9	0.7	0.9	59.1	-	8.7	762
Ijara Wards	Total	12.0	16.9	41.3	1.2	5.2	9.0	0.3	14.2	7,574
Ijara Wards	None	11.5	18.1	46.3	1.3	6.3	2.0	0.3	14.2	6,089
Ijara Wards	Primary	7.8	14.7	25.5	0.8	1.2	35.4	0.4	14.2	980
Ijara Wards	Secondary+	25.7	5.7	12.1	1.0	0.2	41.4	-	13.9	505
Masalani Wards	Total	10.8	14.7	20.1	2.0	13.9	11.1	0.2	27.2	15,149
Masalani Wards	None	7.3	17.0	25.1	2.4	19.0	0.9	0.3	28.1	10,281
Masalani Wards	Primary	7.9	9.8	11.7	1.2	4.2	33.7	0.1	31.4	2,695
Masalani Wards	Secondary+	31.0	10.0	6.6	1.2	1.8	31.7	0.1	17.8	2,173

Table 7.4: Employment and Education Levels in Male Headed Household by County, Constituency and Wards

County /constituency	Education Level reached	Work for Pay	Family Business	Family Agricultural holding	Internal/ Volun-teer	Retired/ Homemaker	Fulltime Student	Incapaci-tated	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**
Garissa	Total	10.0	18.1	27.1	1.9	12.3	6.9	0.4	23.3	189,849
Garissa	None	6.5	19.8	31.7	2.0	14.0	1.3	0.5	24.2	150,444
Garissa	Primary	13.8	11.7	12.1	1.5	8.2	29.5	0.3	22.9	20,852
Garissa	Secondary+	33.7	11.0	6.1	1.8	3.7	27.4	0.2	16.1	18,553

Garissa Township Constituency	Total	21.7	14.8	9.4	2.7	16.7	12.7	0.4	21.6	43,445
Garissa Township Constituency	None	14.2	16.8	12.6	3.5	24.4	1.5	0.6	26.4	22,726
Garissa Township Constituency	Primary	21.7	12.7	7.5	1.9	12.7	24.5	0.3	18.7	9,313
Garissa Township Constituency	Secondary+	36.5	12.5	4.6	1.8	4.6	25.1	0.2	14.6	11,406
Waberi Ward	Total	17.1	16.8	10.1	4.1	14.0	9.5	0.5	27.8	7,342
Waberi Ward	None	15.7	19.4	11.3	4.7	17.8	1.4	0.6	29.2	5,207
Waberi Ward	Primary	14.8	8.4	8.5	2.7	7.1	32.3	0.4	25.8	1,103
Waberi Ward	Secondary+	27.0	12.8	5.6	2.5	2.6	26.1	-	23.4	1,032
Galbet Ward	Total	19.7	15.8	7.9	2.2	16.9	15.2	0.5	21.8	16,403
Galbet Ward	None	14.0	19.5	9.7	2.8	24.6	1.5	0.8	27.1	8,257
Galbet Ward	Primary	20.6	12.4	7.4	1.4	13.9	26.7	0.3	17.3	3,929
Galbet Ward	Secondary+	30.1	11.6	5.0	1.6	4.6	31.3	0.2	15.6	4,217
Township Ward	Total	28.5	17.8	5.9	2.8	14.1	14.1	0.3	16.5	8,168
Township Ward	None	16.1	19.9	6.9	4.0	26.9	3.2	0.4	22.6	2,793
Township Ward	Primary	25.5	17.3	7.3	2.2	11.5	20.9	0.2	15.0	2,021
Township Ward	Secondary+	40.6	16.3	4.3	2.0	5.1	19.1	0.3	12.3	3,354
Iftin Ward	Total	22.6	9.9	13.5	2.6	19.9	10.0	0.3	21.1	11,532
Iftin Ward	None	12.6	9.8	19.8	3.2	28.4	1.0	0.3	24.9	6,469
Iftin Ward	Primary	23.6	11.0	7.4	2.0	14.5	20.2	0.5	20.7	2,260
Iftin Ward	Secondary+	44.9	9.3	4.0	1.6	4.5	22.7	0.3	12.7	2,803
Balambala Constituency	Total	5.1	15.0	43.1	3.3	12.8	2.8	0.2	17.6	29,927
Balambala Constituency	None	4.4	15.6	44.7	3.3	13.3	1.2	0.2	17.4	28,166
Balambala Constituency	Primary	11.2	8.4	21.7	1.1	5.5	29.1	0.1	23.0	1,089
Balambala Constituency	Secondary+	24.4	4.3	8.9	8.3	3.7	31.1	0.6	18.6	672
Balambala Ward	Total	4.7	16.6	38.8	1.8	14.1	3.7	0.3	20.1	8,742
Balambala Ward	None	4.1	17.1	40.8	1.8	14.5	1.7	0.3	19.8	8,236
Balambala Ward	Primary	9.4	11.0	9.1	1.3	8.4	35.6	-	25.2	309
Balambala Ward	Secondary+	22.8	5.1	2.5	2.0	3.0	36.5	1.5	26.4	197
Danyere Ward	Total	4.8	10.7	50.4	6.1	8.0	2.3	0.1	17.5	9,859
Danyere Ward	None	4.4	10.9	51.6	6.4	8.4	0.9	0.1	17.3	9,431
Danyere Ward	Primary	11.2	7.4	29.4	0.4	0.4	27.5	-	23.8	269

Danyere Ward	Secondary+	17.6	3.8	14.5	1.9	0.6	43.4	-	18.2	159
Jarajara Ward	Total	6.5	32.4	27.7	4.4	7.2	0.4	0.2	21.2	3,664
Jarajara Ward	None	5.6	34.2	29.0	3.3	7.6	0.1	0.2	19.9	3,424
Jarajara Ward	Primary	16.0	10.4	10.4	1.6	1.6	6.4	-	53.6	125
Jarajara Ward	Secondary+	22.6	1.7	6.1	40.9	1.7	3.5	-	23.5	115
Saka Ward	Total	4.7	5.3	41.3	0.7	36.7	5.6	0.4	5.4	3,319
Saka Ward	None	3.8	5.2	43.6	0.6	39.0	2.2	0.4	5.1	3,037
Saka Ward	Primary	6.5	5.4	21.6	1.6	11.9	42.7	-	10.3	185
Saka Ward	Secondary+	28.9	7.2	7.2	-	11.3	40.2	-	5.2	97
Sankuri Ward	Total	5.6	14.6	49.4	1.2	7.5	2.3	0.2	19.3	4,343
Sankuri Ward	None	4.3	15.2	50.8	1.2	7.7	0.7	0.1	19.9	4,038
Sankuri Ward	Primary	15.4	7.0	37.8	1.0	4.5	22.9	0.5	10.9	201
Sankuri Ward	Secondary+	35.6	3.8	17.3	1.9	4.8	24.0	1.0	11.5	104
Lagdera Constituency	Total	4.5	22.8	24.3	0.9	11.0	4.4	0.9	31.1	39,051
Lagdera Constituency	None	4.1	23.9	25.5	0.9	11.9	1.1	1.0	31.6	35,191
Lagdera Constituency	Primary	4.5	14.6	16.2	1.2	3.7	30.6	0.1	29.0	2,280
Lagdera Constituency	Secondary+	13.0	10.9	9.7	0.6	2.5	39.9	0.1	23.2	1,580
Modogashe Ward	Total	5.5	30.2	18.8	1.3	11.4	5.0	0.2	27.6	12,545
Modogashe Ward	None	4.8	32.1	19.5	1.3	12.5	1.1	0.2	28.4	11,300
Modogashe Ward	Primary	6.7	14.8	16.7	2.6	2.5	36.6	-	20.2	610
Modogashe Ward	Secondary+	16.1	10.7	8.8	1.1	0.8	43.3	0.2	19.1	635
Benane Ward	Total	7.0	36.2	13.1	0.5	28.1	3.7	0.7	10.6	5,298
Benane Ward	None	6.1	38.0	14.4	0.5	29.7	0.7	0.8	9.7	4,727
Benane Ward	Primary	7.7	27.3	3.0	0.3	16.3	28.2	-	17.1	362
Benane Ward	Secondary+	25.8	10.5	1.0	0.5	12.4	29.7	-	20.1	209
Goreale Ward	Total	3.7	12.3	19.8	0.7	4.9	4.0	4.5	50.0	4,642
Goreale Ward	None	3.4	13.2	20.7	0.8	5.4	0.3	5.2	51.0	3,989
Goreale Ward	Primary	3.8	9.8	16.5	0.7	1.4	16.7	-	51.1	419
Goreale Ward	Secondary+	9.4	2.1	9.8	-	2.1	44.9	-	31.6	234
Maalamin Ward	Total	4.0	4.6	54.6	0.9	11.9	5.2	1.1	17.7	4,457
Maalamin Ward	None	3.9	4.4	56.3	0.9	12.6	3.2	1.1	17.6	4,182

Maalamin Ward	Primary	3.8	7.9	31.4	0.8	0.8	36.8	-	18.4	239
Maalamin Ward	Secondary+	16.7	2.8	13.9	2.8	2.8	33.3	-	27.8	36
Sabena Ward	Total	3.3	13.0	24.4	1.0	6.2	3.4	0.5	48.2	8,175
Sabena Ward	None	3.3	13.2	24.8	1.0	6.7	0.9	0.5	49.6	7,440
Sabena Ward	Primary	1.1	12.6	22.7	1.1	0.7	23.6	0.5	37.6	436
Sabena Ward	Secondary+	6.0	9.0	18.7	-	0.3	36.8	-	29.1	299
Baraki Ward	Total	1.9	34.9	27.8	0.4	3.0	5.0	0.0	27.0	3,934
Baraki Ward	None	1.9	36.4	30.0	0.4	3.3	0.5	0.0	27.5	3,553
Baraki Ward	Primary	1.9	13.6	6.5	0.5	-	52.3	-	25.2	214
Baraki Ward	Secondary+	2.4	29.9	6.6	0.6	0.6	40.1	-	19.8	167
Dadaab Constituency	Total	7.4	24.0	24.6	1.7	10.5	4.5	0.3	26.9	27,551
Dadaab Constituency	None	5.1	26.5	27.3	1.7	11.5	1.0	0.3	26.7	23,965
Dadaab Constituency	Primary	8.5	8.0	7.6	1.5	5.2	35.3	0.5	33.4	2,341
Dadaab Constituency	Secondary+	48.8	7.4	5.9	2.2	1.6	13.7	0.2	20.2	1,245
Dertu Ward	Total	3.6	35.8	29.1	0.8	6.2	7.0	0.1	17.4	5,525
Dertu Ward	None	3.6	38.8	31.5	0.8	6.8	0.7	0.1	17.8	5,043
Dertu Ward	Primary	2.1	2.6	2.8	0.5	-	81.0	-	11.0	427
Dertu Ward	Secondary+	18.2	18.2	12.7	3.6	-	18.2	-	29.1	55
Dadaab Ward	Total	19.8	9.0	8.2	3.0	15.3	5.4	0.4	38.9	3,776
Dadaab Ward	None	11.6	10.5	9.7	3.3	19.8	0.8	0.3	44.0	2,636
Dadaab Ward	Primary	18.3	6.2	6.2	1.7	8.0	22.0	1.5	36.2	600
Dadaab Ward	Secondary+	61.3	4.4	3.3	2.6	1.7	9.3	-	17.4	540
Labisigale Ward	Total	6.2	8.2	7.4	1.8	17.3	5.2	0.6	53.3	5,259
Labisigale Ward	None	5.7	8.8	7.9	1.7	20.0	0.5	0.6	54.8	4,375
Labisigale Ward	Primary	5.4	4.8	4.6	1.9	4.4	28.6	0.3	49.9	681
Labisigale Ward	Secondary+	19.2	6.4	5.4	3.4	3.0	28.1	1.0	33.5	203
Damajale Ward	Total	3.2	42.7	36.9	1.0	5.2	0.6	0.1	10.4	3,853
Damajale Ward	None	2.1	44.2	38.5	0.8	5.1	0.1	0.1	9.1	3,655
Damajale Ward	Primary	8.5	20.8	9.4	3.8	11.3	4.7	-	41.5	106
Damajale Ward	Secondary+	39.1	8.7	4.3	3.3	-	19.6	-	25.0	92
Liboi Ward	Total	9.1	22.2	34.5	1.7	6.8	2.9	0.1	22.7	4,349

Liboi Ward	None	5.2	23.5	38.8	1.8	7.3	1.0	0.1	22.4	3,650
Liboi Ward	Primary	8.4	19.1	14.7	1.6	6.5	17.0	-	32.7	382
Liboi Ward	Secondary+	55.8	11.0	8.5	0.3	1.6	7.6	-	15.1	317
Abakaile Ward	Total	5.2	26.4	32.6	2.5	11.7	4.6	0.4	16.7	4,789
Abakaile Ward	None	5.0	27.2	33.0	2.5	12.0	2.7	0.4	17.1	4,606
Abakaile Ward	Primary	2.1	8.3	21.4	0.7	4.8	57.2	-	5.5	145
Abakaile Ward	Secondary+	39.5	5.3	15.8	2.6	-	28.9	-	7.9	38
Fafi Constituency	Total	4.9	12.6	40.2	0.8	16.3	2.6	0.2	22.5	15,630
Fafi Constituency	None	2.9	13.0	43.4	0.8	17.1	0.7	0.2	21.9	13,910
Fafi Constituency	Primary	9.2	10.3	17.7	0.9	10.4	21.2	-	30.2	1,116
Fafi Constituency	Secondary+	42.7	6.1	8.1	0.8	7.3	11.8	-	23.2	604
Bura Ward	Total	10.9	12.5	55.8	1.1	11.2	2.1	0.2	6.2	1,784
Bura Ward	None	3.7	11.7	64.6	1.2	13.2	-	0.3	5.3	1,454
Bura Ward	Primary	19.5	20.8	25.2	-	4.4	15.1	-	15.1	159
Bura Ward	Secondary+	64.3	11.7	9.4	1.2	-	7.6	-	5.8	171
Dekaharia Ward	Total	2.0	24.5	41.2	0.2	30.3	0.4	0.1	1.2	3,427
Dekaharia Ward	None	1.6	25.2	42.9	0.2	29.1	-	0.1	1.0	3,207
Dekaharia Ward	Primary	4.3	19.3	21.7	1.2	44.1	5.0	-	4.3	161
Dekaharia Ward	Secondary+	22.0	1.7	5.1	-	59.3	10.2	-	1.7	59
Jarajila Ward	Total	4.5	6.0	33.2	0.8	11.0	2.4	0.3	41.9	6,113
Jarajila Ward	None	2.4	6.1	36.9	0.8	12.0	0.1	0.3	41.5	5,237
Jarajila Ward	Primary	8.4	5.9	12.8	0.7	5.7	19.3	-	47.1	592
Jarajila Ward	Secondary+	34.5	3.9	7.4	1.1	2.8	11.3	-	39.1	284
Fafi Ward	Total	5.9	2.3	61.9	0.9	0.9	3.4	0.4	24.1	1,812
Fafi Ward	None	5.5	2.3	63.1	0.8	1.0	2.6	0.5	24.2	1,732
Fafi Ward	Primary	1.7	3.4	44.8	5.2	-	29.3	-	15.5	58
Fafi Ward	Secondary+	45.5	4.5	13.6	-	-	-	-	36.4	22
Nanighi Ward	Total	4.6	19.8	29.1	1.3	24.8	5.7	0.1	14.7	2,494
Nanighi Ward	None	3.2	20.9	30.6	1.4	26.9	2.1	0.1	14.9	2,280
Nanighi Ward	Primary	9.6	9.6	14.4	0.7	2.7	50.7	-	12.3	146
Nanighi Ward	Secondary+	39.7	5.9	8.8	-	1.5	29.4	-	14.7	68

Ijara Constituency	Total	9.9	17.3	34.6	1.6	7.5	10.1	0.2	18.7	34,245
Ijara Constituency	None	8.3	19.2	40.6	1.8	9.1	2.0	0.3	18.7	26,486
Ijara Constituency	Primary	7.1	11.2	18.1	1.1	2.8	38.1	0.2	21.4	4,713
Ijara Constituency	Secondary+	28.0	9.5	8.6	1.1	1.1	37.3	0.0	14.5	3,046
Hulugho Ward	Total	7.7	24.7	36.2	2.1	4.8	6.5	0.2	17.8	7,144
Hulugho Ward	None	6.3	27.1	39.9	2.2	5.5	1.3	0.1	17.6	6,127
Hulugho Ward	Primary	7.2	12.2	16.1	2.2	1.5	38.7	0.6	21.5	713
Hulugho Ward	Secondary+	36.5	6.9	8.2	-	-	36.2	-	12.2	304
Sangailu Ward	Total	7.6	13.3	47.9	0.8	4.1	13.7	0.3	12.3	9,227
Sangailu Ward	None	8.2	14.0	54.5	0.9	4.6	4.1	0.4	13.2	7,394
Sangailu Ward	Primary	3.6	10.3	25.7	0.2	2.8	48.6	0.1	8.6	1,208
Sangailu Ward	Secondary+	8.3	10.1	13.0	0.8	0.6	59.2	-	8.0	625
Ijara Ward	Total	12.8	17.3	41.2	1.2	5.0	7.9	0.3	14.4	5,891
Ijara Ward	None	12.2	18.6	45.7	1.2	5.8	1.7	0.3	14.5	4,813
Ijara Ward	Primary	8.1	14.8	26.0	0.8	1.4	34.6	0.5	13.7	728
Ijara Ward	Secondary+	30.9	5.4	11.4	0.9	0.3	38.0	-	13.1	350
Masalani Ward	Total	11.6	15.8	20.2	2.2	12.9	10.5	0.2	26.4	11,983
Masalani Ward	None	7.8	18.4	25.4	2.6	17.7	0.7	0.3	27.0	8,152
Masalani Ward	Primary	8.7	10.1	11.5	1.3	3.8	33.1	0.0	31.5	2,064
Masalani Ward	Secondary+	32.9	10.5	6.6	1.4	1.6	29.5	0.1	17.5	1,767

Table 7.5: Employment and Education Levels in Female Headed Households by County, Constituency and Wards

	Education Level reached	Work for Pay	Family Business	Family Agricultural holding	Internal/ Volunteer	Retired/ Homemaker	Fulltime Student	Incapacitated	No work	Population (15-64)
Kenya National	**Total**	**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**
Garissa	Total	9.1%	14.3%	22.2%	2.1%	15.6%	11.4%	.4%	24.7%	50244
Garissa	None	6.7%	16.6%	27.2%	2.3%	18.7%	1.9%	.5%	26.1%	36528
Garissa	Primary	9.1%	8.7%	11.0%	1.6%	9.3%	36.6%	.2%	23.5%	7500
Garissa	Secondary+	23.6%	7.5%	6.5%	2.0%	4.8%	37.1%	.1%	18.4%	6216
Garissa Township Constituency	Total	14.5%	11.6%	8.3%	3.1%	20.1%	18.8%	.5%	23.0%	17325
Garissa Township Constituency	None	11.2%	14.6%	10.3%	4.0%	29.8%	2.7%	.8%	26.7%	9203
Garissa Township Constituency	Primary	11.6%	8.5%	7.0%	2.1%	13.1%	37.1%	.2%	20.4%	3866
Garissa Township Constituency	Secondary+	24.3%	7.8%	5.3%	2.2%	5.7%	37.0%	.1%	17.6%	4256
Waberi Ward	Total	11.6%	13.4%	8.2%	4.7%	18.9%	14.2%	.7%	28.4%	3018
Waberi Ward	None	11.8%	16.1%	9.4%	5.7%	24.0%	2.5%	.9%	29.5%	2018
Waberi Ward	Primary	8.1%	7.4%	6.5%	1.9%	9.1%	39.8%	.4%	27.0%	571
Waberi Ward	Secondary+	14.9%	8.9%	4.9%	3.3%	7.5%	35.4%	.2%	24.9%	429
Galbet Ward	Total	13.1%	12.2%	8.1%	2.5%	19.7%	20.9%	.5%	23.1%	6328
Galbet Ward	None	9.9%	16.4%	10.1%	3.1%	30.3%	2.6%	.8%	26.8%	3197
Galbet Ward	Primary	11.6%	8.7%	7.2%	1.9%	12.5%	38.0%	.1%	20.1%	1540
Galbet Ward	Secondary+	20.9%	7.0%	4.8%	2.0%	5.5%	41.1%	.1%	18.5%	1591
Township Ward	Total	18.3%	12.5%	6.3%	2.5%	19.6%	21.6%	.3%	18.9%	3986
Township Ward	None	12.8%	15.4%	6.6%	3.5%	32.7%	4.3%	.5%	24.2%	1727
Township Ward	Primary	13.9%	11.1%	7.1%	1.6%	14.9%	36.0%	0.0%	15.3%	924
Township Ward	Secondary+	28.5%	9.7%	5.5%	1.9%	5.9%	33.8%	.1%	14.6%	1335
Iftin Ward	Total	15.2%	8.2%	10.8%	3.5%	22.3%	16.3%	.7%	23.1%	3993
Iftin Ward	None	11.1%	9.9%	14.2%	4.0%	32.0%	1.9%	.9%	26.0%	2261
Iftin Ward	Primary	11.8%	5.9%	6.9%	3.2%	14.8%	34.8%	.6%	22.0%	831
Iftin Ward	Secondary+	28.5%	6.1%	5.9%	2.2%	5.0%	35.4%	.2%	16.6%	901
Balambala Constituency	Total	4.7%	13.3%	40.2%	2.1%	15.2%	5.9%	.3%	18.2%	5738
Balambala Constituency	None	3.9%	14.1%	43.3%	2.2%	16.6%	2.1%	.3%	17.4%	5125
Balambala Constituency	Primary	6.4%	8.4%	16.7%	.5%	3.4%	38.3%	.2%	26.0%	407
Balambala Constituency	Secondary+	21.4%	4.9%	10.7%	1.0%	2.9%	35.9%	0.0%	23.3%	206
Balambala Ward	Total	5.6%	13.4%	33.7%	1.7%	13.0%	5.8%	.2%	26.6%	1829
Balambala Ward	None	4.2%	14.7%	38.0%	1.9%	14.7%	2.1%	.2%	24.4%	1562
Balambala Ward	Primary	7.1%	7.1%	11.2%	1.2%	3.5%	30.6%	.6%	38.8%	170
Balambala Ward	Secondary+	25.8%	4.1%	5.2%	1.0%	2.1%	21.6%	0.0%	40.2%	97
Danyere Ward	Total	5.1%	13.1%	50.4%	3.6%	9.1%	2.4%	.3%	16.0%	1814
Danyere Ward	None	4.7%	13.4%	51.4%	3.7%	9.4%	1.0%	.3%	16.1%	1737
Danyere Ward	Primary	10.3%	6.9%	32.8%	0.0%	0.0%	34.5%	0.0%	15.5%	58
Danyere Ward	Secondary+	21.1%	10.5%	21.1%	5.3%	5.3%	26.3%	0.0%	10.5%	19

Jarajara Ward	Total	3.2%	39.6%	23.0%	2.1%	3.9%		.4%	27.9%	283
Jarajara Ward	None	3.0%	41.4%	23.5%	2.2%	4.1%		.4%	25.4%	268
Jarajara Ward	Primary	0.0%	7.7%	7.7%	0.0%	0.0%		0.0%	84.6%	13
Jarajara Ward	Secondary+	50.0%	0.0%	50.0%	0.0%	0.0%		0.0%	0.0%	2
Saka Ward	Total	3.1%	3.7%	31.8%	.5%	42.1%	12.3%	.7%	5.7%	941
Saka Ward	None	2.6%	3.4%	34.6%	.6%	46.5%	5.4%	.8%	6.0%	832
Saka Ward	Primary	2.7%	9.3%	14.7%	0.0%	9.3%	60.0%	0.0%	4.0%	75
Saka Ward	Secondary+	14.7%	0.0%	0.0%	0.0%	5.9%	76.5%	0.0%	2.9%	34
Sankuri Ward	Total	4.6%	15.5%	47.4%	1.3%	7.0%	8.6%	.1%	15.5%	871
Sankuri Ward	None	3.4%	16.7%	52.8%	1.5%	8.1%	1.9%	.1%	15.4%	726
Sankuri Ward	Primary	6.6%	11.0%	19.8%	0.0%	1.1%	42.9%	0.0%	18.7%	91
Sankuri Ward	Secondary+	16.7%	7.4%	22.2%	0.0%	1.9%	40.7%	0.0%	11.1%	54
Lagdera Constituency	Total	5.4%	19.3%	19.9%	1.1%	16.5%	6.6%	.5%	30.6%	5747
Lagdera Constituency	None	4.8%	20.8%	21.2%	1.1%	18.3%	1.6%	.6%	31.6%	4963
Lagdera Constituency	Primary	6.0%	9.8%	12.9%	1.2%	6.7%	37.6%	.2%	25.6%	481
Lagdera Constituency	Secondary+	13.9%	8.9%	10.9%	1.7%	3.0%	38.9%	0.0%	22.8%	303
Modogashe Ward	Total	6.5%	26.0%	14.6%	2.2%	18.3%	9.6%	.5%	22.3%	1745
Modogashe Ward	None	5.0%	29.8%	14.2%	2.0%	22.1%	1.5%	.6%	24.9%	1418
Modogashe Ward	Primary	8.2%	10.1%	20.3%	3.2%	3.2%	46.8%	0.0%	8.2%	158
Modogashe Ward	Secondary+	17.2%	8.9%	13.0%	3.0%	1.2%	43.2%	0.0%	13.6%	169
Benane Ward	Total	8.7%	22.1%	12.5%	1.0%	33.8%	6.6%	.5%	14.8%	1031
Benane Ward	None	8.7%	23.4%	14.7%	1.1%	36.6%	2.0%	.6%	12.9%	870
Benane Ward	Primary	6.5%	16.7%	0.0%	0.0%	21.3%	35.2%	0.0%	20.4%	108
Benane Ward	Secondary+	13.2%	11.3%	1.9%	0.0%	13.2%	24.5%	0.0%	35.8%	53
Goreale Ward	Total	4.2%	8.2%	22.5%	.4%	11.7%	7.0%	.4%	45.5%	497
Goreale Ward	None	3.9%	9.4%	26.4%	.3%	14.6%	0.0%	.5%	44.9%	383
Goreale Ward	Primary	6.8%	5.7%	11.4%	1.1%	2.3%	25.0%	0.0%	47.7%	88
Goreale Ward	Secondary+	0.0%	0.0%	3.8%	0.0%	0.0%	50.0%	0.0%	46.2%	26
Maalamin Ward	Total	4.5%	7.2%	41.9%	.4%	16.1%	9.1%	1.4%	19.4%	485
Maalamin Ward	None	4.7%	7.4%	44.5%	.4%	17.2%	3.8%	1.6%	20.4%	447
Maalamin Ward	Primary	0.0%	7.1%	10.7%	0.0%	3.6%	78.6%	0.0%	0.0%	28
Maalamin Ward	Secondary+	10.0%	0.0%	10.0%	0.0%	0.0%	50.0%	0.0%	30.0%	10
Sabena Ward	Total	3.5%	10.1%	23.9%	.9%	9.0%	2.4%	.5%	49.8%	1391
Sabena Ward	None	3.5%	10.1%	24.1%	1.0%	9.6%	1.5%	.5%	49.6%	1292
Sabena Ward	Primary	0.0%	5.8%	20.3%	0.0%	1.4%	10.1%	1.4%	60.9%	69
Sabena Ward	Secondary+	10.0%	16.7%	20.0%	0.0%	0.0%	20.0%	0.0%	33.3%	30
Baraki Ward	Total	2.8%	35.3%	19.2%		3.2%	5.0%		34.4%	598
Baraki Ward	None	2.2%	37.6%	19.9%		3.4%	.7%		36.2%	553
Baraki Ward	Primary	10.0%	6.7%	10.0%		0.0%	60.0%		13.3%	30
Baraki Ward	Secondary+	13.3%	6.7%	13.3%		0.0%	53.3%		13.3%	15
Dadaab Constituency	Total	6.4%	20.0%	21.7%	2.0%	10.5%	5.5%	.4%	33.6%	6804
Dadaab Constituency	None	5.2%	22.5%	24.0%	1.8%	11.6%	1.0%	.4%	33.5%	5767
Dadaab Constituency	Primary	7.9%	5.4%	9.2%	1.6%	4.4%	33.4%	.4%	37.8%	707
Dadaab Constituency	Secondary+	24.8%	7.3%	8.8%	5.8%	3.0%	24.5%	0.0%	25.8%	330

Dertu Ward	Total	4.6%	30.5%	28.9%	.5%	7.2%	4.5%	.3%	23.5%	1059
Dertu Ward	None	4.8%	31.9%	30.1%	.5%	7.5%	1.2%	.3%	23.8%	1004
Dertu Ward	Primary	2.0%	6.1%	6.1%	0.0%	0.0%	71.4%	0.0%	14.3%	49
Dertu Ward	Secondary+	0.0%	0.0%	16.7%	0.0%	16.7%	16.7%	0.0%	50.0%	6
Dadaab Ward	Total	14.9%	9.9%	8.0%	3.0%	16.4%	6.8%	.4%	40.6%	953
Dadaab Ward	None	7.6%	11.8%	9.4%	3.3%	21.7%	.1%	.3%	45.7%	669
Dadaab Ward	Primary	20.9%	3.6%	3.6%	2.2%	4.3%	25.9%	1.4%	38.1%	139
Dadaab Ward	Secondary+	42.8%	6.9%	5.5%	2.8%	3.4%	19.3%	0.0%	19.3%	145
Labisigale Ward	Total	6.0%	6.8%	5.1%	2.3%	15.0%	6.6%	.5%	57.7%	1687
Labisigale Ward	None	6.0%	7.6%	4.5%	2.2%	16.9%	1.2%	.6%	61.1%	1376
Labisigale Ward	Primary	4.1%	3.7%	7.3%	2.4%	6.9%	31.3%	0.0%	44.3%	246
Labisigale Ward	Secondary+	13.8%	1.5%	9.2%	4.6%	4.6%	29.2%	0.0%	36.9%	65
Damajale Ward	Total	.9%	40.9%	38.9%	1.7%	5.3%	.3%	.3%	11.7%	755
Damajale Ward	None	.6%	42.8%	40.4%	.4%	5.4%	.1%	.3%	9.9%	717
Damajale Ward	Primary	8.3%	4.2%	12.5%	0.0%	4.2%	4.2%	0.0%	66.7%	24
Damajale Ward	Secondary+	7.1%	7.1%	7.1%	71.4%	0.0%	0.0%	0.0%	7.1%	14
Liboi Ward	Total	5.3%	16.2%	28.2%	1.5%	8.5%	7.0%	.1%	33.3%	1215
Liboi Ward	None	5.0%	18.0%	32.4%	1.5%	10.2%	.6%	.1%	32.1%	932
Liboi Ward	Primary	4.2%	9.0%	15.3%	1.1%	3.7%	25.4%	0.0%	41.3%	189
Liboi Ward	Secondary+	9.6%	12.8%	12.8%	2.1%	1.1%	33.0%	0.0%	28.7%	94
Abakaile Ward	Total	6.4%	28.5%	32.7%	2.7%	7.4%	5.5%	.6%	16.2%	1135
Abakaile Ward	None	6.2%	29.9%	34.0%	2.9%	7.9%	2.0%	.6%	16.7%	1069
Abakaile Ward	Primary	10.0%	5.0%	11.7%	0.0%	0.0%	65.0%	1.7%	6.7%	60
Abakaile Ward	Secondary+	16.7%	0.0%	16.7%	0.0%	0.0%	33.3%	0.0%	33.3%	6
Fafi Constituency	Total	5.1%	11.7%	31.6%	1.2%	18.4%	4.2%	.3%	27.5%	5411
Fafi Constituency	None	3.6%	12.1%	34.8%	1.2%	20.1%	.9%	.3%	26.9%	4551
Fafi Constituency	Primary	6.3%	10.4%	17.5%	1.1%	10.4%	22.4%	0.0%	31.8%	616
Fafi Constituency	Secondary+	28.3%	7.4%	8.6%	.8%	7.8%	19.7%	.4%	27.0%	244
Bura Ward	Total	9.9%	13.1%	45.4%	.8%	18.5%	5.5%	.6%	6.4%	659
Bura Ward	None	5.0%	12.2%	51.5%	1.0%	23.2%	.2%	.8%	6.2%	517
Bura Ward	Primary	12.8%	19.8%	30.2%	0.0%	2.3%	26.7%	0.0%	8.1%	86
Bura Ward	Secondary+	50.0%	10.7%	12.5%	0.0%	0.0%	21.4%	0.0%	5.4%	56
Dekaharia Ward	Total	1.8%	26.6%	34.0%	.3%	34.9%	.3%	.3%	1.8%	951
Dekaharia Ward	None	1.4%	27.3%	34.9%	.3%	33.8%	0.0%	.3%	1.9%	908
Dekaharia Ward	Primary	3.0%	15.2%	15.2%	0.0%	63.6%	3.0%	0.0%	0.0%	33
Dekaharia Ward	Secondary+	30.0%	0.0%	10.0%	0.0%	40.0%	20.0%	0.0%	0.0%	10
Jarajila Ward	Total	5.2%	5.9%	23.7%	1.5%	12.2%	3.5%	.2%	47.9%	2382
Jarajila Ward	None	4.0%	5.3%	26.8%	1.5%	12.9%	.2%	.2%	49.2%	1864
Jarajila Ward	Primary	5.2%	9.3%	14.2%	1.6%	9.6%	15.2%	0.0%	45.0%	387
Jarajila Ward	Secondary+	22.1%	5.3%	6.9%	1.5%	10.7%	16.0%	.8%	36.6%	131
Fafi Ward	Total	4.7%	3.8%	57.3%	1.5%	1.3%	4.0%	.4%	27.0%	548
Fafi Ward	None	4.8%	4.0%	57.9%	1.5%	1.3%	2.5%	.4%	27.5%	520
Fafi Ward	Primary	3.8%	0.0%	50.0%	0.0%	0.0%	34.6%	0.0%	11.5%	26
Fafi Ward	Secondary+	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	2
Nanighi Ward	Total	4.9%	15.3%	24.3%	1.5%	28.0%	9.6%	.2%	16.1%	871
Nanighi Ward	None	3.8%	16.4%	26.8%	1.6%	32.2%	3.4%	.3%	15.5%	742
Nanighi Ward	Primary	7.1%	7.1%	10.7%	1.2%	4.8%	54.8%	0.0%	14.3%	84
Nanighi Ward	Secondary+	20.0%	11.1%	8.9%	0.0%	2.2%	28.9%	0.0%	28.9%	45

Ijara Constituency	Total	8.5%	14.2%	33.5%	1.6%	9.0%	12.7%	.3%	20.2%	9219
Ijara Constituency	None	7.4%	16.2%	39.9%	1.9%	11.0%	2.3%	.4%	20.9%	6919
Ijara Constituency	Primary	5.6%	9.7%	17.5%	1.0%	3.7%	42.4%	.2%	20.0%	1423
Ijara Constituency	Secondary+	22.3%	6.2%	8.4%	.6%	1.5%	46.6%	0.0%	14.4%	877
Hulugho Ward	Total	9.3%	20.7%	35.1%	2.9%	3.4%	11.1%	.4%	17.1%	2551
Hulugho Ward	None	7.2%	23.6%	40.2%	3.3%	4.2%	2.1%	.4%	19.0%	2079
Hulugho Ward	Primary	7.2%	10.9%	17.1%	1.7%	0.0%	52.2%	0.0%	10.9%	293
Hulugho Ward	Secondary+	37.4%	3.4%	5.6%	.6%	0.0%	48.0%	0.0%	5.0%	179
Sangailu Ward	Total	8.6%	10.7%	48.2%	.6%	4.6%	14.0%	.3%	13.0%	1819
Sangailu Ward	None	9.1%	12.1%	55.7%	.8%	4.6%	3.2%	.3%	14.1%	1435
Sangailu Ward	Primary	4.0%	6.1%	23.9%	0.0%	6.1%	52.2%	.4%	7.3%	247
Sangailu Ward	Secondary+	10.9%	4.4%	12.4%	0.0%	2.2%	58.4%	0.0%	11.7%	137
Ijara Ward	Total	9.2%	15.1%	41.7%	1.4%	6.1%	12.6%	.4%	13.6%	1681
Ijara Ward	None	9.2%	16.3%	48.5%	1.5%	7.9%	3.2%	.5%	12.9%	1276
Ijara Ward	Primary	6.7%	14.3%	24.2%	.8%	.8%	37.7%	0.0%	15.5%	252
Ijara Ward	Secondary+	13.1%	6.5%	13.7%	1.3%	0.0%	49.7%	0.0%	15.7%	153
Masalani Ward	Total	7.6%	10.5%	19.3%	1.3%	17.5%	13.3%	.3%	30.2%	3168
Masalani Ward	None	5.4%	11.6%	23.8%	1.6%	23.9%	1.3%	.3%	32.2%	2129
Masalani Ward	Primary	5.1%	8.7%	12.5%	1.1%	5.5%	35.8%	.3%	30.9%	631
Masalani Ward	Secondary+	23.0%	7.8%	6.4%	.5%	2.5%	40.9%	0.0%	18.9%	408

Table 7.6: 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**
Garissa County	0.011	2,640	0.009	0.436
Garissa Township Constituency	0.003	5,030	0.0041	0.368
Waberi	0.001	3,730	0.0006	0.344
Galbet	0.001	4,880	0.0016	0.371
Township	0.001	6,220	0.0010	0.346
Iftin	0.001	5,360	0.0009	0.350
Balambala Constituency	0.002	1,580	0.0008	0.335
Balambala	0.000	1,370	0.0002	0.325
Danyere	0.000	1,190	0.0002	0.256
Jarajara	0.000	1,560	0.0001	0.316
Saka	0.000	2,070	0.0001	0.311
Sankuri	0.000	2,240	0.0002	0.326
Lagdera Constituency	0.002	1,620	0.0010	0.332
Modogashe	0.001	1,850	0.0004	0.327
Benane	0.000	1,400	0.0001	0.273
Goreale	0.000	1,670	0.0001	0.323
Maalamin	0.000	1,550	0.0001	0.305
Sabena	0.000	1,350	0.0002	0.352
Baraki	0.000	1,770	0.0001	0.339
Dadaab Constituency	0.001	2,010	0.0008	0.349
Dertu	0.000	1,690	0.0002	0.300

Dadaab	0.000	2,450	0.0001	0.376
Labisigale	0.000	1,660	0.0001	0.359
Damajale	0.000	2,110	0.0002	0.314
Liboi	0.000	2,700	0.0002	0.323
Abakaile	0.000	1,440	0.0001	0.294
Fafi Constituency	0.001	2,010	0.0005	0.339
Bura	0.000	2,520	0.0001	0.318
Dekaharia	0.000	2,200	0.0002	0.304
Jarajila	0.000	1,890	0.0001	0.376
Fafi	0.000	1,760	0.0000	0.327
Nanighi	0.000	1,570	0.0001	0.301
Ijara Constituency	0.002	2,090	0.0015	0.355
Hulugho	0.001	2,070	0.0003	0.336
Sangailu	0.001	1,720	0.0003	0.367
Ijara	0.000	2,100	0.0003	0.319
Masalani	0.001	2,370	0.0006	0.358

Table 7.7: 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**
Garissa County	74.4	19.7	5.9	433,709
Garissa Township Constituency	52.2	32.0	15.9	101,809
Waberi	65.4	26.3	8.3	18,109
Galbet	49.3	35.0	15.7	38,110
Township	40.0	34.4	25.6	18,857
Iftin	55.9	29.9	14.3	26,733
Balambala Constituency	89.5	9.1	1.4	66,776
Balambala	90.0	8.4	1.7	18,760
Danyere	91.7	7.4	0.9	22,959
Jarajara	93.8	4.5	1.7	6,834
Saka	82.5	15.9	1.6	8,745
Sankuri	86.7	11.6	1.7	9,478
Lagdera Constituency	84.9	12.8	2.4	86,062
Modogashe	84.5	12.2	3.3	26,899
Benane	84.5	13.2	2.3	12,109
Goreale	79.9	17.2	2.9	9,571
Maalamin	86.6	12.9	0.5	9,883
Sabena	86.5	11.6	2.0	18,407
Baraki	86.4	11.4	2.2	9,193
Dadaab Constituency	82.8	14.6	2.7	61,717
Dertu	80.5	19.0	0.5	13,580
Dadaab	70.8	21.9	7.3	13,727
Labisigale	86.3	11.2	2.5	4,857
Damajale	94.3	4.4	1.3	8,515
Liboi	81.3	15.6	3.2	10,030

Abakaile	91.4	8.2	0.4	11,008
Fafi Constituency	83.5	14.1	2.4	32,815
Bura	73.6	21.4	5.1	4,577
Dekaharia	88.3	10.8	0.8	8,544
Jarajila	83.0	13.0	4.1	8,569
Fafi	91.4	8.1	0.6	4,551
Nanighi	79.3	18.9	1.8	6,574
Ijara Constituency	68.9	26.3	4.8	84,530
Hulugho	77.9	20.1	2.0	19,015
Sangailu	70.3	25.7	4.0	21,678
Ijara	72.0	24.2	3.7	14,353
Masalani	60.7	31.6	7.7	29,484

Table 7.8: Education for Male and Female Headed Households by County, Constituency and Ward

County/Constituency/Wards	None	Primary	Secondary+	Total Pop		None	Primary	Second-ary+	Total Pop
	Male					Female			
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**
Garissa County	71.1	21.4	7.5	234,274		78.3	17.7	4.0	199,435
Garissa Township Constituency	44.3	35.3	20.4	51,786		60.3	28.6	11.1	50,023
Waberi	58.2	30.4	11.5	9,039		72.6	22.2	5.2	9,070
Galbet	41.2	38.6	20.2	19,594		57.8	31.2	11.0	18,516
Township	30.4	37.2	32.4	9,488		49.8	31.6	18.7	9,369
Iftin	49.1	32.6	18.3	13,665		63.0	27.0	10.0	13,068
Balambala Constituency	87.9	10.2	1.8	37,243		91.5	7.6	0.9	29,533
Balambala	88.9	9.0	2.1	10,612		91.4	7.5	1.1	8,148
Danyere	90.6	8.4	1.1	13,009		93.1	6.2	0.6	9,950
Jarajara	92.5	4.9	2.6	3,746		95.4	3.9	0.7	3,088
Saka	79.5	18.2	2.3	4,732		86.1	13.0	0.9	4,013
Sankuri	83.8	13.9	2.3	5,144		90.1	8.9	1.0	4,334
Lagdera Constituency	83.1	13.8	3.1	48,192		87.1	11.4	1.5	37,870
Modogashe	83.1	12.8	4.1	14,665		86.3	11.4	2.4	12,234
Benane	80.8	15.9	3.3	6,745		89.2	9.9	1.0	5,364
Goreale	78.3	17.8	3.9	5,688		82.2	16.3	1.5	3,883
Maalamin	84.6	14.7	0.8	5,560		89.2	10.7	0.1	4,323
Sabena	85.6	11.9	2.5	10,428		87.7	11.1	1.3	7,979
Baraki	84.9	12.1	3.0	5,106		88.4	10.5	1.2	4,087
Dadaab Constituency	80.0	16.2	3.8	33,675		86.0	12.6	1.3	28,042
Dertu	78.4	21.0	0.6	7,615		83.2	16.5	0.3	5,965
Dadaab	64.7	24.8	10.4	7,340		77.7	18.6	3.7	6,387
Labisigale	84.1	12.2	3.7	2,641		88.9	10.1	1.0	2,216
Damajale	93.1	5.0	1.9	4,577		95.7	3.7	0.6	3,938
Liboi	78.0	17.3	4.7	5,242		84.8	13.7	1.5	4,788
Abakaile	90.4	9.0	0.6	6,260		92.7	7.2	0.2	4,748
Fafi Constituency	80.7	15.8	3.6	17,571		86.7	12.2	1.1	15,244

Bura	67.5	24.7	7.8	2,337		80.0	17.8	2.2	2,240
Dekaharia	87.5	11.2	1.3	4,678		89.4	10.4	0.3	3,866
Jarajila	79.8	14.5	5.7	4,579		86.6	11.2	2.2	3,990
Fafi	89.1	10.1	0.8	2,410		93.9	5.8	0.2	2,141
Nanighi	75.8	21.4	2.9	3,567		83.5	16.1	0.5	3,007
Ijara Constituency	64.7	28.9	6.4	45,807		73.9	23.2	2.9	38,723
Hulugho	74.3	23.0	2.7	10,165		82.0	16.8	1.2	8,850
Sangailu	67.3	27.9	4.8	12,418		74.3	22.8	2.9	9,260
Ijara	67.6	27.2	5.2	7,742		77.2	20.8	2.0	6,611
Masalani	55.0	34.4	10.6	15,482		67.0	28.6	4.4	14,002

Table 7.9: 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**
Garissa County	0.9	1.1	0.4	0.4	72.7	24.1	0.1	0.5	69,369
Garissa Township Constituency	2.9	3.0	0.9	0.8	20.9	70.7	0.1	0.7	19,858
Waberi	1.2	1.2	0.2	0.2	26.9	70.1	0.1	0.2	3,119
Galbet	2.0	2.5	0.5	0.2	21.5	72.4	0.0	0.8	7,407
Township	6.6	6.3	1.8	0.9	3.6	79.2	-	1.6	4,087
Iftin	2.3	2.2	1.2	1.7	30.1	62.0	0.1	0.3	5,245
Balambala Constituency	0.0	0.0	0.2	0.2	96.7	2.3	0.1	0.5	10,666
Balambala	-	0.0	0.2	0.3	94.7	3.9	0.1	0.8	2,623
Danyere	-	0.1	0.1	0.1	98.4	0.8	-	0.4	3,034
Jarajara	0.1	-	0.4	-	96.5	2.9	0.1	0.1	1,134
Saka	-	-	0.1	0.3	95.7	2.8	0.1	1.0	1,649
Sankuri	-	-	0.2	0.3	97.7	1.6	0.1	0.1	2,226
Lagdera Constituency	0.0	0.2	0.2	0.2	97.8	1.4	0.1	0.2	11,674
Modogashe	-	0.4	0.3	0.2	96.2	2.6	0.1	0.2	3,926
Benane	0.1	-	0.1	-	98.8	0.7	0.1	0.3	1,824
Goreale	-	0.2	-	-	99.3	0.2	0.1	0.2	1,210
Maalamin	-	0.2	0.1	0.1	96.8	2.6	0.1	-	1,432
Sabena	-	-	0.1	0.3	98.9	0.3	0.2	0.2	2,080
Baraki	-	-	0.1	0.2	99.3	0.3	-	0.2	1,202
Dadaab Constituency	0.2	0.5	0.2	0.2	93.7	4.4	0.1	0.7	9,244
Dertu	-	0.1	0.1	0.2	98.7	0.6	-	0.1	2,065
Dadaab	1.2	2.8	0.5	0.2	81.2	13.2	0.1	1.0	1,199
Labisigale	0.3	0.2	1.0	0.5	93.1	4.2	0.2	0.6	623
Damajale	-	0.1	-	0.1	97.2	2.3	0.1	0.2	1,629
Liboi	0.1	0.4	0.2	0.2	89.9	7.8	-	1.6	1,942
Abakaile	0.1	0.2	-	-	97.7	1.1	0.2	0.8	1,786
Fafi Constituency	0.1	0.5	0.1	0.3	95.8	3.0	0.0	0.2	6,085
Bura	-	0.4	0.1	0.5	86.7	12.1	-	0.2	1,062
Dekaharia	-	-	-	0.3	99.7	-	-	0.1	1,560
Jarajila	0.3	1.1	0.2	0.2	96.2	1.7	0.1	0.2	1,355

Fafi	-	0.7	0.1	-	98.3	0.5	-	0.4	921
Nanighi	0.1	0.3	-	0.8	96.5	2.4	-	-	1,187
Ijara Constituency	0.0	0.6	0.1	0.2	84.9	13.9	0.1	0.3	11,842
Hulugho	0.0	0.4	0.1	0.2	98.6	0.6	0.0	-	2,652
Sangailu	-	0.2	0.0	0.2	98.6	0.7	-	0.2	2,406
Ijara	-	0.1	0.0	0.2	97.3	2.2	0.0	0.1	2,209
Masalani	-	1.2	0.1	0.1	63.6	34.4	0.1	0.5	4,575

Table 7.10: 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**
Garissa County	0.9	1.2	0.4	0.4	75.3	21.4	0.1	0.5	53,423
Garissa Township Constituency	3.2	3.5	1.0	0.8	22.6	67.8	0.0	1.0	13,752
Waberi	1.3	1.5	0.2	0.2	29.5	66.9	0.1	0.3	2,088
Galbet	2.2	2.7	0.5	0.2	22.3	71.1	0.0	1.1	5,206
Township	7.6	7.9	1.8	1.1	3.4	75.9	0.0	2.3	2,642
Iftin	2.5	2.6	1.5	1.9	32.6	58.4	0.0	0.4	3,816
Balambala Constituency	0.0	0.0	0.2	0.2	96.9	2.2	0.1	0.5	8,823
Balambala	0.0	0.0	0.1	0.2	95.0	3.7	0.1	0.9	2,206
Danyere	0.0	0.1	0.1	0.2	98.5	0.7	0.0	0.4	2,514
Jarajara	0.1	0.0	0.4	0.0	96.6	2.7	0.1	0.1	1,037
Saka	0.0	0.0	0.2	0.3	95.9	2.7	0.1	0.8	1,241
Sankuri	0.0	0.0	0.2	0.2	97.8	1.6	0.1	0.1	1,825
Lagdera Constituency	0.0	0.2	0.2	0.1	97.8	1.4	0.1	0.2	10,087
Modogashe	0.0	0.4	0.3	0.2	96.3	2.4	0.1	0.3	3,373
Benane	0.1	0.0	0.1	0.0	98.7	0.7	0.1	0.3	1,511
Goreale	0.0	0.2	0.0	0.0	99.4	0.2	0.0	0.2	1,062
Maalamin	0.0	0.1	0.2	0.2	96.6	2.8	0.2	0.0	1,271
Sabena	0.0	0.0	0.1	0.2	99.0	0.4	0.2	0.1	1,829
Baraki	0.0	0.0	0.1	0.2	99.1	0.4	0.0	0.2	1,041
Dadaab Constituency	0.2	0.6	0.2	0.2	93.9	4.2	0.1	0.7	7,424

Dertu	0.0	0.2	0.1	0.2	98.6	0.7	0.0	0.2	1,740
Dadaab	1.2	2.9	0.6	0.2	80.5	13.5	0.1	0.9	925
Labisigale	0.4	0.2	1.1	0.5	93.2	3.8	0.2	0.7	557
Damajale	0.0	0.1	0.0	0.1	97.3	2.3	0.1	0.2	1,323
Liboi	0.1	0.4	0.2	0.2	90.0	7.1	0.0	2.0	1,461
Abakaile	0.1	0.2	0.0	0.0	97.7	1.1	0.2	0.6	1,418
Fafi Constituency	0.1	0.6	0.1	0.3	95.5	3.2	0.0	0.2	4,326
Bura	0.0	0.6	0.1	0.4	86.2	12.4	0.0	0.3	702
Dekaharia	0.0	0.0	0.0	0.3	99.7	0.0	0.0	0.0	1,140
Jarajila	0.4	1.3	0.3	0.3	95.3	2.2	0.1	0.2	1,013
Fafi	0.0	0.8	0.2	0.0	97.8	0.8	0.0	0.5	623
Nanighi	0.1	0.2	0.0	0.7	96.2	2.7	0.0	0.0	848
Ijara Constituency	0.0	0.7	0.1	0.2	84.1	14.5	0.1	0.3	9,011
Hulugho	0.1	0.5	0.1	0.2	98.5	0.6	0.1	0.0	1,933
Sangailu	0.0	0.2	0.1	0.3	98.5	0.8	0.0	0.2	1,922
Ijara	0.0	0.2	0.1	0.2	96.8	2.6	0.1	0.1	1,711
Masalani	0.0	1.4	0.1	0.1	61.6	36.0	0.1	0.7	3,445

Table 7.11: Cooking Fuel for Female Headed Households by County, Constituency and Wards

County/Constituency/Wards	Electricity	Paraffin	LPG	Biogas	Firewood	Charcoal	Solar	Other	Households
Kenya	0.6	7.9	4.6	0.7	70.6	15.5	0.0	0.1	2,731,060
Rural	0.1	1.0	0.5	0.3	91.5	6.5	0.0	0.1	1,826,263
Urban	1.6	21.7	13.0	1.5	28.5	33.6	0.0	0.3	904,797
Garissa County	0.9	0.9	0.3	0.4	64.2	33.0	0.1	0.3	15,946
Garissa Township Constituency	2.3	1.9	0.7	0.6	17.1	77.1	0.1	0.2	6,106
Waberi	1.0	0.5	0.1	0.1	21.6	76.6	0.1	-	1,031
Galbet	1.7	2.0	0.3	0.3	19.7	75.6	0.1	0.2	2,201
Township	4.6	3.5	1.9	0.6	3.9	85.3	-	0.3	1,445
Iftin	1.9	0.8	0.6	1.4	23.4	71.6	0.2	0.1	1,429
Balambala Constituency	-	0.1	0.1	0.4	95.9	2.7	0.1	0.7	1,843
Balambala	-	-	0.2	1.0	93.3	4.8	-	0.7	417

Danyere	-	0.4	-	-	97.9	1.3	-	0.4	520
Jarajara	-	-	-	-	94.8	5.2	-	-	97
Saka	-	-	-	0.2	95.1	2.9	-	1.7	408
Sankuri	-	-	0.2	0.5	97.3	1.5	0.2	0.2	401
Lagdera Constituency	-	0.2	0.1	0.2	97.6	1.6	0.1	0.3	1,587
Modogashe	-	0.2	0.4	0.2	95.3	4.0	-	-	553
Benane	-	-	-	-	99.0	0.6	-	0.3	313
Goreale	-	-	-	-	98.6	-	0.7	0.7	148
Maalamin	-	1.2	-	-	98.1	0.6	-	-	161
Sabena	-	-	-	0.8	98.4	-	-	0.8	251
Baraki	-	-	-	-	100.0	-	-	-	161
Dadaab Constituency	0.2	0.5	0.1	0.1	93.2	5.2	0.1	0.7	1,820
Dertu	-	-	0.3	0.3	99.1	0.3	-	-	325
Dadaab	1.1	2.2	-	-	83.2	12.0	-	1.5	274
Labisigale	-	-	-	-	92.4	7.6	-	-	66
Damajale	-	0.3	-	-	97.1	2.0	0.3	0.3	306
Liboi	-	0.2	-	-	89.4	9.8	-	0.6	481
Abakaile	-	0.3	-	-	97.6	0.8	-	1.4	368
Fafi Constituency	-	0.2	-	0.3	96.5	2.7	-	0.2	1,759
Bura	-	-	-	0.6	87.8	11.7	-	-	360
Dekaharia	-	-	-	0.2	99.5	-	-	0.2	420
Jarajila	-	0.6	-	-	98.8	0.3	-	0.3	342
Fafi	-	0.3	-	-	99.3	-	-	0.3	298
Nanighi	-	0.3	-	0.9	97.3	1.5	-	-	339
Ijara Constituency	-	0.3	0.1	0.2	87.3	12.0	-	0.1	2,831
Hulugho	-	0.1	0.1	0.3	99.0	0.4	-	-	719
Sangailu	-	-	-	0.2	99.2	0.2	-	0.4	484
Ijara	-	-	-	0.2	99.2	0.6	-	-	498
Masalani	-	0.7	0.2	0.1	69.6	29.5	-	-	1,130

Table 7.12: 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**
Garissa County	15.4	0.4	19.4	30.6	14.1	13.3	0.4	6.3	53,423
Garissa Township Constituency	52.8	0.5	16.5	13.9	13.1	2.5	0.3	0.5	13,752
Waberi	29.2	0.8	28.8	23.4	13.6	3.8	0.2	0.3	2,088
Galbet	49.0	0.6	14.0	14.1	18.1	2.8	0.5	0.9	5,206
Township	91.8	0.4	1.6	3.8	2.0	0.2	0.1	0.1	2,642
Iftin	41.9	0.4	24.3	15.7	14.3	2.9	0.1	0.3	3,816
Balambala Constituency	0.1	0.1	17.8	37.6	9.7	20.1	0.1	14.4	8,823
Balambala	0.1	0.0	17.4	33.6	12.0	22.9	0.3	13.7	2,206
Danyere	0.1	0.1	26.8	26.3	0.6	20.5	0.1	25.6	2,514
Jarajara	0.1	0.0	20.9	28.5	29.5	13.1	0.4	7.5	1,037
Saka	0.5	0.1	17.3	36.4	9.4	22.4	0.0	13.8	1,241
Sankuri	0.0	0.1	4.6	63.2	9.6	18.4	0.0	4.0	1,825
Lagdera Constituency	0.1	0.1	33.2	19.4	13.6	24.4	0.3	8.9	10,087
Modogashe	0.0	0.1	51.1	10.9	1.0	30.7	0.7	5.5	3,373
Benane	0.1	0.2	49.9	5.5	0.5	23.3	0.1	20.4	1,511
Goreale	0.1	0.1	15.1	27.4	32.1	7.1	0.1	18.0	1,062
Maalamin	0.0	0.5	41.3	14.3	6.2	36.8	0.2	0.7	1,271
Sabena	0.1	0.1	8.7	26.1	35.3	22.3	0.2	7.2	1,829
Baraki	0.1	0.0	0.5	55.0	26.6	11.7	0.1	6.0	1,041
Dadaab Constituency	1.0	0.9	5.2	19.1	33.3	30.8	0.3	9.4	7,424
Dertu	0.0	0.0	2.6	41.1	1.4	41.2	0.1	13.6	1,740
Dadaab	6.7	0.3	8.3	12.7	56.2	9.8	0.4	5.7	925
Labisigale	1.4	0.2	18.0	6.6	41.6	30.8	0.0	1.4	557
Damajale	0.2	0.2	0.8	25.7	32.5	38.9	0.6	1.2	1,323
Liboi	0.1	3.9	10.1	14.3	45.9	19.1	0.2	6.5	1,461
Abakaile	0.0	0.0	0.6	1.6	39.1	38.1	0.2	20.4	1,418

Fafi Constituency	0.3	0.2	24.3	46.5	7.6	8.6	0.2	12.3	4,326
Bura	0.0	0.0	31.2	60.7	3.9	2.8	0.8	0.6	702
Dekaharia	0.4	0.1	17.1	69.5	7.6	3.0	0.1	2.2	1,140
Jarajila	0.4	0.3	23.0	22.0	14.8	30.7	0.1	8.6	1,013
Fafi	0.0	0.4	20.5	8.8	8.7	2.0	0.2	59.4	623
Nanighi	0.7	0.2	31.9	60.7	1.9	0.9	0.1	3.6	848
Ijara Constituency	0.5	0.2	20.9	64.3	8.8	3.1	1.2	1.0	9,011
Hulugho	0.2	0.2	15.8	71.8	7.7	3.7	0.0	0.6	1,933
Sangailu	0.0	0.2	11.9	82.8	1.8	3.1	0.0	0.1	1,922
Ijara	0.2	0.1	11.7	68.4	7.7	7.7	0.0	4.2	1,711
Masalani	1.2	0.2	33.0	48.2	13.7	0.4	3.1	0.1	3,445

Table 7.13: 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**
Garissa County	13.4	0.3	19.5	31.1	14.2	14.5	0.4	6.5	53,423
Garissa Township Constituency	51.0	0.5	17.3	14.4	13.3	2.7	0.2	0.5	13,752
Waberi	26.2	0.9	30.2	25.0	13.0	4.2	0.1	0.3	2,088
Galbet	47.6	0.6	14.4	14.0	18.8	3.1	0.5	1.0	5,206
Township	91.5	0.5	1.2	4.4	2.1	0.2	0.1	0.1	2,642
Iftin	41.0	0.3	25.3	16.0	13.9	3.2	0.1	0.3	3,816
Balambala Constituency	0.1	0.1	17.6	37.6	9.7	20.6	0.2	14.1	8,823
Balambala	0.0	0.0	16.2	35.4	11.2	23.4	0.3	13.5	2,206
Danyere	0.1	0.1	26.1	26.1	0.6	21.8	0.0	25.2	2,514
Jarajara	0.1	0.0	21.8	26.2	30.0	14.0	0.5	7.4	1,037
Saka	0.5	0.2	17.2	35.8	9.5	22.9	0.0	14.0	1,241
Sankuri	0.1	0.1	5.3	63.7	9.3	17.9	0.1	3.6	1,825
Lagdera Constituency	0.0	0.1	32.0	20.1	13.5	25.1	0.3	8.8	10,087
Modogashe	0.0	0.1	48.1	11.9	1.1	32.6	0.6	5.7	3,373

Benane	0.0	0.2	50.1	5.1	0.4	23.8	0.1	20.3	1,511
Goreale	0.1	0.1	14.5	28.8	29.7	8.1	0.1	18.6	1,062
Maalamin	0.0	0.6	41.7	14.4	6.8	35.9	0.2	0.5	1,271
Sabena	0.1	0.1	8.6	25.8	35.4	22.9	0.2	6.9	1,829
Baraki	0.1	0.0	0.4	56.7	26.3	10.9	0.1	5.6	1,041
Dadaab Constituency	1.0	0.7	4.9	19.8	32.8	31.7	0.3	8.8	7,424
Dertu	0.0	0.1	2.3	41.9	1.4	42.2	0.2	12.0	1,740
Dadaab	6.9	0.2	7.4	13.6	54.9	11.2	0.4	5.3	925
Labisigale	1.6	0.2	17.4	7.2	43.3	28.9	0.0	1.4	557
Damajale	0.2	0.1	0.8	25.9	31.6	39.5	0.5	1.4	1,323
Liboi	0.1	3.2	9.5	14.5	45.6	19.6	0.1	7.3	1,461
Abakaile	0.0	0.0	0.5	1.6	40.8	38.1	0.2	18.8	1,418
Fafi Constituency	0.3	0.2	23.9	46.7	8.0	9.3	0.3	11.2	4,326
Bura	0.0	0.0	28.8	63.5	3.7	2.6	0.9	0.6	702
Dekaharia	0.4	0.1	15.6	68.7	9.3	3.9	0.0	2.0	1,140
Jarajila	0.4	0.4	23.7	20.9	13.1	31.8	0.2	9.5	1,013
Fafi	0.0	0.5	23.1	10.8	10.1	2.2	0.3	53.0	623
Nanighi	0.6	0.2	32.1	60.6	1.9	0.6	0.1	3.9	848
Ijara Constituency	0.6	0.3	20.8	64.5	8.4	2.9	1.3	1.1	9,011
Hulugho	0.2	0.3	15.3	73.0	7.1	3.3	0.1	0.8	1,933
Sangailu	0.0	0.3	11.2	83.7	1.9	2.8	0.0	0.1	1,922
Ijara	0.2	0.2	11.6	68.3	7.6	7.7	0.0	4.4	1,711
Masalani	1.5	0.3	33.8	47.1	13.3	0.5	3.5	0.2	3,445

Table 7.14: 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**
Garissa County	22.0	0.4	19.2	28.9	13.8	9.2	0.4	6.0	15,946
Garissa Township Constituency	57.0	0.5	14.7	12.8	12.5	1.9	0.3	0.3	6,106
Waberi	35.1	0.6	26.0	20.0	14.9	3.1	0.2	0.1	1,031

Galbet	52.2	0.5	13.2	14.4	16.4	2.1	0.6	0.5	2,201
Township	92.2	0.3	2.4	2.8	1.9	0.3	-	0.1	1,445
Iftin	44.5	0.6	21.6	15.0	15.5	2.2	0.3	0.4	1,429
Balambala Constituency	0.2	0.1	18.8	37.8	9.6	17.8	0.1	15.7	1,843
Balambala	0.2	-	23.7	24.5	16.5	19.9	-	15.1	417
Danyere	-	0.2	30.0	27.3	0.8	14.0	0.2	27.5	520
Jarajara	-	-	11.3	52.6	23.7	4.1	-	8.2	97
Saka	0.7	-	17.9	38.5	9.1	20.8	-	13.0	408
Sankuri	-	0.2	1.7	60.8	11.0	20.7	-	5.5	401
Lagdera Constituency	0.1	-	41.4	15.1	13.8	19.7	0.6	9.5	1,587
Modogashe	-	-	70.0	5.1	0.9	18.8	1.3	4.0	553
Benane	0.3	-	49.2	7.3	1.3	20.8	-	21.1	313
Goreale	-	-	19.6	16.9	50.0	-	-	13.5	148
Maalamin	-	-	37.9	13.7	1.2	44.1	0.6	2.5	161
Sabena	-	-	9.6	27.9	35.1	17.5	0.4	9.6	251
Baraki	-	-	1.2	44.1	28.6	17.4	-	8.7	161
Dadaab Constituency	0.9	1.7	6.7	16.1	35.4	27.3	0.3	11.6	1,820
Dertu	-	-	4.3	36.6	1.2	35.7	-	22.2	325
Dadaab	5.8	0.4	11.3	9.5	60.6	5.1	0.4	6.9	274
Labisigale	-	-	22.7	1.5	27.3	47.0	-	1.5	66
Damajale	0.3	0.7	0.7	24.8	36.6	36.3	0.7	-	306
Liboi	-	5.8	11.9	13.5	46.8	17.3	0.4	4.4	481
Abakaile	-	-	0.8	1.6	32.6	38.3	-	26.6	368
Fafi Constituency	0.4	0.1	25.1	45.8	6.8	6.7	0.2	14.8	1,759
Bura	-	-	35.8	55.3	4.2	3.3	0.8	0.6	360
Dekaharia	0.7	-	21.2	71.7	3.1	0.5	0.2	2.6	420
Jarajila	0.3	-	21.1	25.1	19.9	27.5	-	6.1	342
Fafi	-	0.3	15.1	4.7	5.7	1.3	-	72.8	298
Nanighi	0.9	-	31.6	60.8	2.1	1.8	-	2.9	339
Ijara Constituency	0.2	0.0	21.3	63.6	10.0	3.5	0.8	0.7	2,831
Hulugho	0.1	0.1	17.0	68.4	9.0	5.0	-	0.3	719

Sangailu	-	-	14.7	79.1	1.7	4.5	-	-	484
Ijara	0.2	-	12.0	68.5	8.2	7.6	-	3.4	498
Masalani	0.4	-	30.9	51.7	14.9	0.2	2.0	-	1,130

Table 7:15: 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**
Garissa County	24.9	0.5	0.4	73.4	0.8	69,369
Garissa Township Constituency	71.1	1.3	0.6	25.1	1.9	19,858
Waberi	58.8	1.3	0.9	38.1	1.0	3,119
Galbet	70.6	1.0	1.0	26.6	0.9	7,407
Township	90.1	0.8	0.3	2.3	6.5	4,087
Iftin	64.2	2.2	0.2	33.2	0.2	5,245
Balambala Constituency	2.2	0.1	0.2	97.2	0.3	10,666
Balambala	4.2	0.1	0.3	94.7	0.7	2,623
Danyere	0.4	-	0.2	99.3	0.1	3,034
Jarajara	0.8	0.3	0.5	98.1	0.3	1,134
Saka	1.3	-	0.1	98.3	0.2	1,649
Sankuri	3.7	-	0.1	96.0	0.2	2,226
Lagdera Constituency	1.7	0.1	0.2	97.6	0.5	11,674
Modogashe	3.8	0.1	0.2	95.1	0.8	3,926
Benane	1.1	0.2	0.3	98.1	0.3	1,824
Goreale	1.2	-	0.2	97.9	0.8	1,210
Maalamin	0.1	0.2	0.3	99.1	0.3	1,432
Sabena	0.3	-	-	99.3	0.3	2,080
Baraki	0.2	-	-	99.8	-	1,202
Dadaab Constituency	7.8	0.0	0.8	90.9	0.5	9,244
Dertu	0.4	-	-	99.5	0.1	2,065
Dadaab	36.3	0.1	3.1	58.8	1.8	1,199
Labisigale	1.1	-	0.6	97.0	1.3	623
Damajale	0.7	0.1	0.4	98.6	0.2	1,629
Liboi	12.8	0.1	1.3	85.4	0.5	1,942
Abakaile	0.4	-	0.1	99.4	0.1	1,786
Fafi Constituency	4.2	0.1	0.1	95.2	0.4	6,085
Bura	12.1	-	-	87.8	0.1	1,062
Dekaharia	0.5	0.1	-	99.3	0.1	1,560
Jarajila	4.9	0.1	0.3	94.4	0.3	1,355
Fafi	1.5	-	0.1	97.4	1.0	921
Nanighi	3.3	0.1	0.1	95.8	0.8	1,187
Ijara Constituency	14.8	0.4	0.5	84.1	0.2	11,842
Hulugho	0.3	-	0.0	99.5	0.2	2,652
Sangailu	0.2	0.1	0.2	99.2	0.3	2,406
Ijara	3.8	0.1	0.2	95.6	0.3	2,209

Masalani	36.2	1.0	1.0	61.7	0.1	4,575

Table 7.16: Main Material of the Floor in Male and Female Headed Households by County, Constituency and Ward

County/Constituency/ wards	Cement	Tiles	Wood	Earth	Other	Households	Cement	Tiles	Wood	Earth	Other	Households
	Male						Female					
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**
Garissa County	22.4	0.5	0.4	76.0	0.7	53,423	33.4	0.5	0.5	64.5	1.1	15,946
Garissa Township Constituency	69.2	1.4	0.6	27.0	1.8	13,752	75.3	1.2	0.6	20.8	2.2	6,106
Waberi	56.4	1.1	0.7	40.9	1.0	2,088	63.7	1.6	1.2	32.4	1.1	1,031
Galbet	68.7	1.2	1.1	27.8	1.2	5,206	74.9	0.4	0.7	23.6	0.4	2,201
Township	90.6	0.9	0.3	2.2	5.9	2,642	89.1	0.6	0.2	2.5	7.6	1,445
Iftin	62.0	2.1	0.1	35.6	0.2	3,816	70.2	2.5	0.3	26.7	0.2	1,429
Balambala Constituency	2.1	0.1	0.2	97.3	0.3	8,823	2.7	-	0.3	96.9	0.2	1,843
Balambala	4.5	0.1	0.4	94.3	0.7	2,206	2.6	-	0.2	96.4	0.7	417
Danyere	0.4	-	0.2	99.3	0.1	2,514	0.4	-	0.4	99.2	-	520
Jarajara	0.9	0.3	0.4	98.2	0.3	1,037	-	-	2.1	97.9	-	97
Saka	1.0	-	0.2	98.5	0.3	1,241	2.5	-	-	97.5	-	408
Sankuri	3.1	-	0.1	96.6	0.2	1,825	6.5	-	-	93.3	0.2	401
Lagdera Constituency	1.5	0.1	0.2	97.8	0.4	10,087	2.5	0.2	0.3	96.3	0.8	1,587
Modogashe	3.6	0.1	0.2	95.3	0.7	3,373	5.2	0.2	0.4	93.3	0.9	553
Benane	0.9	0.1	0.2	98.5	0.3	1,511	1.9	0.6	0.6	96.2	0.6	313
Goreale	1.1	-	0.2	97.9	0.8	1,062	1.4	-	-	97.3	1.4	148
Maalamin	0.1	0.2	0.4	99.1	0.2	1,271	-	-	-	99.4	0.6	161
Sabena	0.3	-	-	99.5	0.3	1,829	0.8	-	-	98.4	0.8	251
Baraki	0.2	-	-	99.8	-	1,041	-	-	-	100.0	-	161
Dadaab Constituency	7.3	0.0	0.7	91.5	0.5	7,424	9.5	0.1	1.3	88.5	0.7	1,820
Dertu	0.4	-	-	99.5	0.1	1,740	0.3	-	-	99.4	0.3	325
Dadaab	36.3	-	2.4	59.5	1.8	925	36.1	0.4	5.5	56.6	1.5	274
Labisigale	1.3	-	0.7	96.6	1.4	557	-	-	-	100.0	-	66

Damajale	0.7	-	0.5	98.8	0.1	1,323	1.0	0.3	0.3	97.7	0.7	306
Liboi	12.3	0.1	1.3	86.0	0.3	1,461	14.1	-	1.5	83.4	1.0	481
Abakaile	0.4	-	-	99.4	0.1	1,418	0.3	-	0.3	99.5	-	368
Fafi Constituency	4.4	0.1	0.1	95.1	0.3	4,326	3.8	0.1	0.1	95.5	0.5	1,759
Bura	12.3	-	-	87.6	0.1	702	11.9	-	-	88.1	-	360
Dekaharia	0.7	0.2	-	99.0	0.1	1,140	-	-	-	100.0	-	420
Jarajila	5.5	0.1	0.3	93.7	0.4	1,013	2.9	0.3	0.3	96.5	-	342
Fafi	1.9	-	-	97.8	0.3	623	0.7	-	0.3	96.6	2.3	298
Nanighi	3.2	0.1	0.1	95.8	0.8	848	3.5	-	-	95.9	0.6	339
Ijara Constituency	15.0	0.5	0.5	83.8	0.2	9,011	14.1	0.2	0.5	85.1	0.1	2,831
Hulugho	0.4	-	0.1	99.4	0.2	1,933	0.1	-	-	99.9	-	719
Sangailu	0.2	0.2	0.2	99.2	0.3	1,922	-	-	0.4	99.2	0.4	484
Ijara	3.7	0.1	0.2	95.7	0.3	1,711	4.4	0.2	0.2	95.0	0.2	498
Masalani	37.1	1.2	1.0	60.6	0.1	3,445	33.4	0.4	0.9	65.3	-	1,130

Table 7.17: Main Roofing Material by County Constituency and Wards

County/Constituency/ Wards	Corrugated Iron Sheets	Tiles	Concrete	Asbestos sheets	Grass	Makuti	Tin	Mud/ Dung	Other	House-holds
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**
Garissa County	29.8	0.8	0.1	1.5	61.3	5.3	0.2	0.4	0.7	69,369
Garissa Township Constituency	75.4	1.6	0.4	3.5	11.2	5.3	0.2	0.8	1.8	19,858
Waberi	72.8	1.1	0.1	4.7	9.3	10.0	0.4	1.0	0.6	3,119
Galbet	77.5	1.8	0.3	3.0	9.3	6.7	0.0	0.6	0.7	7,407
Township	88.0	0.7	0.8	2.3	0.6	0.6	0.1	0.3	6.5	4,087
Iftin	64.0	2.3	0.3	4.2	23.3	4.1	0.4	1.2	0.2	5,245
Balambala Constituency	3.2	0.6	0.1	0.3	80.1	15.3	0.1	0.1	0.1	10,666
Balambala	5.4	1.8	0.1	0.7	87.1	4.2	0.2	0.2	0.3	2,623
Danyere	0.8	0.3	0.0	0.1	84.5	14.1	0.0	0.0	0.1	3,034
Jarajara	1.7	0.1	0.1	0.3	87.3	10.0	0.1	0.5	0.0	1,134
Saka	3.6	0.3	0.1	0.3	71.4	24.1	0.1	0.0	0.0	1,649
Sankuri	4.3	0.2	0.2	0.2	68.8	26.3	0.0	0.0	0.0	2,226
Lagdera Constituency	7.9	0.2	0.0	0.2	86.4	4.9	0.1	0.2	0.0	11,674
Modogashe	16.8	0.3	0.0	0.4	73.1	9.2	0.1	0.1	0.0	3,926
Benane	4.7	0.2	0.0	0.0	84.8	10.2	0.1	0.0	0.0	1,824
Goreale	10.4	0.0	0.0	0.1	88.7	0.3	0.3	0.0	0.2	1,210
Maalamin	1.5	0.3	0.0	0.1	96.5	0.1	0.3	1.1	0.1	1,432
Sabena	0.8	0.2	0.0	0.2	97.7	1.0	0.0	0.0	0.0	2,080

Baraki	0.7	0.1	0.0	0.2	98.8	0.1	0.0	0.0	0.0	1,202
Dadaab Constituency	13.9	0.6	0.1	1.2	79.8	3.0	0.4	0.7	0.4	9,244
Dertu	5.6	0.2	0.0	0.3	84.9	8.6	0.3	0.0	0.0	2,065
Dadaab	47.9	1.3	0.1	2.4	44.3	1.1	0.9	1.6	0.5	1,199
Labisigale	7.4	0.2	0.2	0.6	85.2	0.2	0.6	4.3	1.3	623
Damajale	1.3	0.0	0.1	0.8	97.1	0.1	0.1	0.4	0.1	1,629
Liboi	25.4	1.5	0.2	2.9	65.4	3.8	0.3	0.3	0.2	1,942
Abakaile	2.1	0.1	0.0	0.2	95.9	0.3	0.2	0.1	1.0	1,786
Fafi Constituency	9.4	0.4	0.0	0.8	87.2	1.7	0.1	0.1	0.3	6,085
Bura	30.9	0.1	0.0	0.3	66.5	2.2	0.0	0.0	0.1	1,062
Dekaharia	1.6	0.0	0.0	0.7	97.6	0.1	0.0	0.0	0.0	1,560
Jarajila	7.8	1.5	0.0	1.6	87.9	0.4	0.4	0.4	0.1	1,355
Fafi	1.7	0.2	0.0	0.1	96.9	0.2	0.0	0.2	0.7	921
Nanighi	8.1	0.1	0.0	1.0	83.7	6.3	0.0	0.1	0.7	1,187
Ijara Constituency	21.7	0.4	0.1	0.8	76.0	0.5	0.1	0.1	0.4	11,842
Hulugho	6.6	0.2	0.0	0.3	92.7	0.2	0.0	0.0	0.0	2,652
Sangailu	7.7	0.4	0.1	0.4	89.5	0.3	0.2	0.2	1.2	2,406
Ijara	5.6	0.3	0.0	1.7	91.5	0.0	0.0	0.0	0.9	2,209
Masalani	45.6	0.5	0.1	1.0	51.8	0.9	0.1	0.0	0.0	4,575

Table 7.18: 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**
Garissa County	27.0	0.8	0.1	1.4	64.1	5.5	0.2	0.4	0.6	53,423
Garissa Township Constituency	73.8	1.7	0.4	3.5	12.5	5.5	0.2	0.9	1.6	13,752
Waberi	71.6	1.2	0.1	4.7	10.2	9.8	0.5	1.3	0.5	2,088
Galbet	76.3	1.9	0.2	2.8	10.0	7.1	0.0	0.7	0.8	5,206
Township	88.3	0.8	0.9	2.6	0.5	0.5	0.1	0.3	5.9	2,642
Iftin	61.4	2.3	0.4	4.3	25.6	4.2	0.5	1.1	0.2	3,816
Balambala Constituency	2.9	0.6	0.1	0.4	80.8	15.0	0.1	0.1	0.1	8,823
Balambala	5.1	1.8	0.1	0.8	87.9	3.5	0.2	0.2	0.4	2,206
Danyere	0.8	0.3	-	0.1	84.8	13.9	0.0	-	0.1	2,514
Jarajara	1.6	0.1	0.1	0.3	87.3	9.9	0.1	0.6	-	1,037
Saka	3.1	0.4	0.2	0.3	72.4	23.6	-	-	-	1,241
Sankuri	3.6	0.1	0.2	0.2	68.7	27.2	-	0.1	-	1,825

Lagdera Constituency	7.3	0.2	0.0	0.2	87.0	5.0	0.1	0.2	0.0	10,087
Modogashe	15.8	0.3	0.0	0.4	73.6	9.7	0.1	0.0	-	3,373
Benane	4.3	0.1	-	-	85.4	10.1	-	-	-	1,511
Goreale	9.3	-	-	0.1	89.9	0.4	0.3	-	-	1,062
Maalamin	1.3	0.2	-	0.1	96.8	0.2	0.2	1.2	0.1	1,271
Sabena	0.8	0.2	-	0.2	97.7	1.0	-	-	0.1	1,829
Baraki	0.7	-	-	0.3	99.0	-	-	-	-	1,041
Dadaab Constituency	12.9	0.5	0.1	1.2	80.7	3.3	0.4	0.6	0.4	7,424
Dertu	6.0	0.2	0.1	0.3	83.3	9.7	0.4	-	-	1,740
Dadaab	46.2	1.0	0.1	2.7	46.4	0.6	1.0	1.6	0.4	925
Labisigale	6.5	0.2	0.2	0.7	86.5	-	0.5	3.9	1.4	557
Damajale	1.4	-	0.1	0.8	97.2	0.2	0.1	0.3	0.1	1,323
Liboi	23.3	1.3	0.2	2.8	67.4	4.3	0.4	0.2	0.1	1,461
Abakaile	2.2	0.1	-	0.2	95.8	0.3	0.2	0.1	1.1	1,418
Fafi Constituency	9.0	0.4	-	0.8	87.6	1.7	0.1	0.2	0.2	4,326
Bura	29.1	0.1	-	0.4	68.1	2.3	-	-	-	702
Dekaharia	1.5	-	-	0.7	97.8	-	-	-	-	1,140
Jarajila	9.1	1.3	-	1.6	86.8	0.3	0.5	0.4	0.1	1,013
Fafi	1.8	0.2	-	-	97.0	0.3	-	0.3	0.5	623
Nanighi	7.5	0.1	-	0.9	84.2	6.4	-	0.1	0.7	848
Ijara Constituency	21.6	0.5	0.1	0.9	75.9	0.5	0.1	0.1	0.5	9,011
Hulugho	5.9	0.3	-	0.2	93.4	0.2	-	-	-	1,933
Sangailu	6.7	0.5	0.1	0.4	90.2	0.3	0.3	0.3	1.4	1,922
Ijara	5.6	0.4	0.1	1.6	91.4	-	-	-	1.1	1,711
Masalani	46.6	0.6	0.1	1.2	50.4	1.1	0.0	-	0.1	3,445

Table 7.19: 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**
Garissa County	39.1	0.8	0.1	1.7	52.1	4.7	0.1	0.4	1.0	15,946
Garissa Township Constituency	78.9	1.3	0.3	3.4	8.3	4.9	0.1	0.6	2.2	6,106
Waberi	75.2	0.9	0.1	4.8	7.5	10.3	0.3	0.2	0.9	1,031
Galbet	80.3	1.4	0.3	3.5	7.6	5.9	-	0.4	0.6	2,201
Township	87.5	0.5	0.6	1.8	0.9	0.8	0.1	0.3	7.6	1,445
Iftin	70.9	2.3	0.1	3.8	17.3	3.8	0.1	1.6	0.1	1,429
Balambala Constituency	4.8	0.6	0.1	0.2	77.1	17.1	0.1	-	-	1,843
Balambala	7.0	1.7	-	0.2	83.0	7.9	0.2	-	-	417
Danyere	1.0	0.4	0.2	-	83.3	15.2	-	-	-	520
Jarajara	2.1	-	-	-	87.6	10.3	-	-	-	97
Saka	5.4	-	-	0.2	68.4	25.7	0.2	-	-	408
Sankuri	7.5	0.5	0.2	0.5	69.3	21.9	-	-	-	401
Lagdera Constituency	11.7	0.3	-	0.3	82.7	4.4	0.3	0.2	0.1	1,587
Modogashe	23.3	0.2	-	0.5	69.4	6.1	-	0.4	-	553
Benane	6.7	0.6	-	-	81.8	10.5	0.3	-	-	313
Goreale	18.2	-	-	-	79.7	-	0.7	-	1.4	148
Maalamin	3.1	0.6	-	-	94.4	-	1.2	0.6	-	161
Sabena	0.8	-	-	0.8	97.6	0.8	-	-	-	251
Baraki	1.2	0.6	-	-	97.5	0.6	-	-	-	161
Dadaab Constituency	18.2	0.9	-	1.3	76.5	1.7	0.3	0.8	0.4	1,820
Dertu	3.4	-	-	-	93.5	3.1	-	-	-	325
Dadaab	53.6	2.2	-	1.5	37.2	2.6	0.7	1.5	0.7	274
Labisigale	15.2	-	-	-	74.2	1.5	1.5	7.6	-	66
Damajale	1.0	-	-	1.0	96.4	-	0.3	1.0	0.3	306
Liboi	31.8	2.1	-	3.1	59.7	2.3	-	0.6	0.4	481
Abakaile	1.9	-	-	0.3	96.5	0.5	0.3	-	0.5	368
Fafi Constituency	10.4	0.5	-	0.8	86.2	1.8	-	0.1	0.3	1,759
Bura	34.4	-	-	-	63.3	1.9	-	-	0.3	360
Dekaharia	1.9	-	-	0.7	97.1	0.2	-	-	-	420
Jarajila	4.1	2.0	-	1.8	91.2	0.6	-	0.3	-	342

Fafi	1.7	0.3	-	0.3	96.6	-	-	-	1.0	298
Nanighi	9.4	-	-	1.2	82.6	6.2	-	-	0.6	339
Ijara Constituency	22.1	0.2	0.0	0.7	76.4	0.3	0.1	0.0	0.1	2,831
Hulugho	8.6	-	-	0.4	90.8	0.1	-	-	-	719
Sangailu	11.8	0.2	-	0.4	86.6	0.4	-	0.2	0.4	484
Ijara	5.6	0.2	-	2.0	92.0	-	-	-	0.2	498
Masalani	42.5	0.3	0.1	0.5	55.9	0.5	0.2	-	-	1,130

Table 7:20: 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**
Garissa County	6.1	16.4	8.6	6.2	7.2	1.0	53.5	0.1	0.9	69,369
Garissa Township Constituency	17.4	51.7	12.5	7.2	1.0	0.7	7.4	0.2	1.7	19,858
Waberi	17.9	39.3	24.0	9.7	1.2	1.4	5.7	0.2	0.6	3,119
Galbet	10.5	57.6	14.9	9.5	1.7	0.4	4.7	0.1	0.6	7,407
Township	26.0	61.3	1.6	3.2	0.1	1.1	0.2	0.0	6.5	4,087
Iftin	20.4	43.5	10.8	5.5	0.7	0.5	18.0	0.4	0.3	5,245
Balambala Constituency	0.7	1.0	9.4	3.8	26.1	0.2	58.6	0.1	0.1	10,666
Balambala	0.4	2.1	6.0	5.6	35.8	0.3	49.3	0.2	0.4	2,623
Danyere	0.1	0.2	1.4	0.7	7.4	0.1	90.0	0.0	0.0	3,034
Jarajara	0.4	0.3	44.4	2.8	23.0	0.1	28.8	0.0	0.2	1,134
Saka	0.2	0.7	10.5	3.4	35.0	0.2	49.7	0.4	0.0	1,649
Sankuri	2.3	1.3	5.8	6.8	35.3	0.0	48.6	0.0	0.0	2,226
Lagdera Constituency	0.5	0.6	5.3	3.6	1.9	0.1	87.6	0.1	0.2	11,674
Modogashe	1.0	1.2	9.4	7.1	0.3	0.3	80.6	0.1	0.1	3,926
Benane	0.3	0.5	5.8	2.9	0.2	0.1	90.1	0.0	0.1	1,824
Goreale	0.2	0.8	8.7	1.6	3.2	0.0	85.0	0.0	0.6	1,210
Maalamin	0.3	0.1	1.9	3.2	5.3	0.1	88.8	0.1	0.1	1,432
Sabena	0.2	0.1	0.2	1.2	4.4	0.0	93.6	0.0	0.2	2,080

Baraki	0.1	0.1	1.0	0.4	0.4	0.0	97.8	0.1	0.2	1,202
Dadaab Constituency	0.8	1.1	7.0	7.4	5.2	3.6	73.7	0.1	1.0	9,244
Dertu	0.2	0.1	2.0	4.0	0.1	0.4	92.5	0.0	0.6	2,065
Dadaab	1.8	6.4	12.0	27.8	8.9	7.7	33.9	0.6	0.9	1,199
Labisigale	0.3	1.3	11.7	4.2	2.1	0.6	78.3	0.0	1.4	623
Damajale	0.4	0.2	4.2	2.5	8.0	0.2	84.4	0.0	0.1	1,629
Liboi	1.6	0.5	14.1	10.0	11.1	11.5	50.7	0.2	0.3	1,942
Abakaile	0.4	0.1	2.7	0.4	1.0	0.1	92.4	0.0	3.0	1,786
Fafi Constituency	1.1	1.2	5.0	6.9	7.2	0.5	77.7	0.1	0.3	6,085
Bura	2.2	2.9	8.1	21.9	0.5	1.1	63.2	0.1	0.0	1,062
Dekaharia	0.0	0.4	2.9	0.1	0.1	0.1	96.3	0.0	0.1	1,560
Jarajila	2.3	2.2	3.5	4.5	25.2	0.8	61.3	0.2	0.0	1,355
Fafi	0.8	0.3	0.4	0.7	4.9	0.2	91.4	0.5	0.8	921
Nanighi	0.3	0.2	10.4	9.8	4.0	0.1	74.6	0.0	0.7	1,187
Ijara Constituency	4.1	6.4	7.5	7.9	7.2	1.2	64.3	0.2	1.2	11,842
Hulugho	0.4	0.3	6.8	0.3	17.2	0.3	74.5	0.0	0.2	2,652
Sangailu	0.2	0.2	8.5	2.2	7.9	0.2	79.4	0.1	1.4	2,406
Ijara	1.0	0.7	3.8	8.6	5.6	1.1	74.5	0.1	4.7	2,209
Masalani	9.8	15.8	9.1	14.9	1.9	2.4	45.6	0.3	0.1	4,575

Table 7:21: Main Material of the Wall in Male Headed Households by County, Constituency and Ward

County/ Constituency/ Wards	Stone	Brick/ Block	Mud/Wood	Mud/ Cement	Wood only	Corrugated Iron Sheets	Grass /Reeds	Tin	Other	Households
Kenya	**17.5**	**16.6**	**34.7**	**7.6**	**11.4**	**7.4**	**3.4**	**0.3**	**1.2**	**5,762,320**
Rural	**5.8**	**13.1**	**48.9**	**7.3**	**15.4**	**2.6**	**5.2**	**0.3**	**1.4**	**3,413,616**
Urban	**34.6**	**21.6**	**14.0**	**7.9**	**5.6**	**14.4**	**0.7**	**0.3**	**0.9**	**2,348,704**
Garissa County	5.5	14.6	8.3	5.9	7.6	1.0	56.2	0.1	0.8	53,423
Garissa Township Constituency	17.4	50.0	13.1	7.3	1.1	0.8	8.5	0.2	1.5	13,752
Waberi	17.6	37.5	25.2	10.7	1.0	1.4	5.9	0.2	0.5	2,088
Galbet	10.8	55.7	15.8	9.4	2.1	0.4	4.9	0.1	0.7	5,206
Township	26.7	60.9	1.8	3.2	0.1	1.5	0.0	0.0	5.8	2,642
Iftin	19.8	41.4	10.6	5.4	0.6	0.7	20.7	0.5	0.3	3,816

Balambala Constituency	0.6	1.0	9.3	3.5	26.3	0.2	59.1	0.1	0.1	8,823
Balambala	0.4	2.2	5.0	4.9	37.4	0.4	49.2	0.1	0.2	2,206
Danyere	0.1	0.2	1.1	0.6	7.8	0.1	90.1	-	0.0	2,514
Jarajara	0.3	0.3	42.6	2.8	23.4	0.1	30.3	-	0.2	1,037
Saka	0.2	0.5	10.9	2.9	34.6	0.2	50.3	0.5	-	1,241
Sankuri	1.8	1.2	5.6	6.6	34.2	-	50.5	-	0.1	1,825
Lagdera Constituency	0.5	0.6	4.8	3.4	2.1	0.1	88.3	0.0	0.1	10,087
Modogashe	0.9	1.2	8.7	6.5	0.4	0.3	82.0	0.0	0.1	3,373
Benane	0.3	0.5	5.5	2.6	0.2	0.1	90.7	-	0.1	1,511
Goreale	0.2	0.8	7.4	1.7	3.0	-	86.5	-	0.4	1,062
Maalamin	0.2	0.2	1.8	3.1	5.6	0.1	88.8	0.1	0.2	1,271
Sabena	0.2	0.2	0.2	1.1	4.6	-	93.4	0.1	0.2	1,829
Baraki	0.1	0.1	0.9	0.5	0.5	-	97.7	0.1	0.2	1,041
Dadaab Constituency	0.8	1.2	6.7	7.1	5.1	3.0	75.1	0.1	0.9	7,424
Dertu	0.2	0.1	2.2	4.3	0.1	0.5	92.1	-	0.6	1,740
Dadaab	1.6	7.0	11.6	27.9	8.6	6.5	35.5	0.4	0.9	925
Labisigale	0.2	1.4	10.2	4.1	1.8	0.7	80.1	-	1.4	557
Damajale	0.5	0.2	4.0	2.6	8.5	0.2	84.1	-	0.1	1,323
Liboi	2.0	0.6	13.8	9.0	11.1	10.2	52.8	0.3	0.3	1,461
Abakaile	0.4	0.1	2.8	0.6	0.8	-	92.8	-	2.5	1,418
Fafi Constituency	1.2	1.5	4.7	5.9	7.5	0.6	78.3	0.2	0.2	4,326
Bura	2.0	4.1	7.4	18.8	0.4	1.6	65.5	0.1	-	702
Dekaharia	-	0.5	2.5	-	0.1	0.2	96.8	-	-	1,140
Jarajila	2.8	2.9	3.7	4.3	24.0	1.1	61.2	0.1	-	1,013
Fafi	1.0	0.3	0.6	0.6	6.1	-	90.4	0.8	0.2	623
Nanighi	0.4	0.1	9.6	9.0	4.6	0.1	75.6	-	0.7	848
Ijara Constituency	4.0	6.8	6.9	7.6	7.4	1.5	64.1	0.2	1.3	9,011
Hulugho	0.5	0.3	5.9	0.3	18.7	0.4	73.6	-	0.3	1,933
Sangailu	0.3	0.3	7.2	2.0	8.0	0.1	80.4	0.2	1.6	1,922
Ijara	0.8	0.9	3.4	9.3	5.3	1.4	74.5	0.1	4.4	1,711
Masalani	9.7	17.2	9.1	14.0	1.9	3.0	44.6	0.4	0.1	3,445

Table 7:22: 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**
Garissa County	7.9	22.5	9.5	7.3	5.9	0.9	44.5	0.1	1.3	15,946
Garissa Township Constituency	17.6	55.7	11.2	6.9	0.8	0.4	5.0	0.1	2.2	6,106
Waberi	18.5	42.9	21.6	7.6	1.6	1.4	5.2	0.3	0.9	1,031
Galbet	9.9	61.9	12.7	9.8	0.7	0.2	4.1	0.1	0.5	2,201
Township	24.6	62.2	1.4	3.3	0.2	0.3	0.4	-	7.6	1,445
Iftin	21.8	49.0	11.3	5.8	0.8	0.1	10.8	-	0.3	1,429
Balambala Constituency	1.2	1.1	10.0	5.3	25.4	0.1	56.5	0.1	0.3	1,843
Balambala	0.5	1.4	11.3	8.9	26.9	-	49.6	0.2	1.2	417
Danyere	-	0.4	2.5	1.3	5.8	-	89.8	0.2	-	520
Jarajara	2.1	-	62.9	3.1	18.6	-	13.4	-	-	97
Saka	-	1.5	9.3	4.9	36.3	0.2	47.8	-	-	408
Sankuri	4.7	1.5	6.2	7.5	40.1	-	39.9	-	-	401
Lagdera Constituency	0.8	0.7	8.4	5.2	1.2	0.1	83.2	0.1	0.3	1,587
Modogashe	1.6	1.4	13.7	10.7	-	-	72.2	0.4	-	553
Benane	0.6	0.3	7.3	4.2	-	-	87.5	-	-	313
Goreale	-	1.4	17.6	0.7	4.7	-	73.6	-	2.0	148
Maalamin	0.6	-	2.5	4.3	3.1	0.6	88.8	-	-	161
Sabena	0.4	-	0.4	1.2	2.8	-	94.8	-	0.4	251
Baraki	-	-	1.9	-	-	-	98.1	-	-	161
Dadaab Constituency	0.7	0.8	8.5	8.6	5.8	5.9	68.1	0.2	1.5	1,820
Dertu	0.3	-	1.2	2.8	-	-	94.5	0.3	0.9	325
Dadaab	2.2	4.4	13.5	27.4	9.9	11.7	28.8	1.1	1.1	274
Labisigale	1.5	-	24.2	4.5	4.5	-	63.6	-	1.5	66
Damajale	0.3	0.3	5.2	2.0	5.6	0.3	85.9	-	0.3	306
Liboi	0.6	0.2	15.0	13.1	11.0	15.4	44.5	-	0.2	481
Abakaile	0.3	-	2.4	-	1.4	0.3	90.8	-	4.9	368
Fafi Constituency	0.8	0.3	6.0	9.2	6.6	0.2	76.4	0.1	0.5	1,759

Bura	2.5	0.6	9.4	28.1	0.6	0.3	58.6	-	-	360
Dekaharia	-	-	4.0	0.5	0.2	-	95.0	-	0.2	420
Jarajila	0.9	0.3	3.2	5.0	28.7	-	61.4	0.6	-	342
Fafi	0.3	0.3	-	0.7	2.3	0.7	93.6	-	2.0	298
Nanighi	0.3	0.3	12.7	11.8	2.4	-	72.0	-	0.6	339
Ijara Constituency	4.3	4.8	9.1	8.7	6.6	0.4	65.0	0.1	1.1	2,831
Hulugho	0.1	0.1	9.2	0.1	13.2	-	77.2	-	-	719
Sangailu	-	-	13.6	2.7	7.4	0.4	75.4	-	0.4	484
Ijara	1.8	-	5.0	6.4	6.6	-	74.5	-	5.6	498
Masalani	10.0	11.9	9.0	17.6	1.9	0.7	48.7	0.2	-	1,130

Table 7.23: Source of Water by County, Constituency and Ward

County/Constituency/ Wards	Pond	Dam	Lake	Stream River	Unprotect-ed Spring	Unprotected Well	Jabia	Water vendor	Other	Unimproved Sources	Pro-tected Spring	Protected Well	Bore-hole	Piped into Dwelling	Piped	Rain Water Collection	Im-proved Sources	Number of Indi-viduals
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
Garissa County	0.3	4.8	0.1	9.2	1.3	15.5	0.2	3.5	14.1	48.9	0.3	2.0	22.7	2.9	23.0	0.2	51.1	476,627
Garissa Township Constituency	0.3	0.1	0.1	3.5	0.2	0.1	0.1	2.5	0.5	7.3	0.5	0.1	0.3	10.9	80.8	0.1	92.7	113,802
Waberi	0.3	0.1	0.0	0.3	0.2	0.4	0.1	3.5	0.5	5.5	1.7	0.4	0.9	5.3	86.1	0.1	94.5	20,578
Galbet	0.3	0.0	0.4	1.0	0.0	0.0	0.1	2.7	0.5	5.0	0.2	0.0	0.1	8.5	86.2	0.0	95.0	42,519
Township	0.5	0.0	0.0	1.1	0.1	0.0	0.0	1.7	0.2	3.5	0.8	0.0	0.0	13.2	82.4	0.0	96.5	20,827
Iftin	0.1	0.1	0.0	10.9	0.6	0.0	0.1	2.1	0.7	14.5	0.0	0.1	0.4	16.8	68.2	0.1	85.5	29,878
Balambala Constituency	0.0	4.3	0.6	37.6	0.7	36.8	0.1	8.0	1.9	89.9	0.1	0.5	6.8	0.5	1.7	0.4	10.1	72,951
Balambala	0.0	4.7	0.0	13.5	1.2	42.1	0.4	24.0	4.7	90.5	0.1	0.6	8.5	0.0	0.1	0.2	9.5	20,262
Danyere	0.0	5.9	1.6	23.8	1.1	63.5	0.0	0.0	0.0	95.8	0.0	0.5	2.6	0.0	0.0	1.1	4.2	24,763
Jarajara	0.0	0.9	0.0	76.2	0.1	15.5	0.0	6.7	0.0	99.5	0.0	0.3	0.0	0.1	0.0	0.0	0.5	7,350
Saka	0.1	1.3	0.0	61.7	0.0	14.3	0.0	4.9	0.0	82.3	0.5	1.2	8.8	0.0	7.2	0.0	17.7	9,872
Sankuri	0.0	4.9	0.0	66.4	0.1	0.1	0.0	0.1	3.8	75.5	0.1	0.1	16.3	3.2	4.8	0.0	24.5	10,704
Lagdera Constituency	0.0	11.6	0.1	4.2	5.7	43.0	0.0	2.8	0.0	67.4	0.2	1.9	30.5	0.0	0.0	0.0	32.6	92,235
Modogashe	0.0	1.8	0.1	12.7	2.1	73.1	0.0	5.7	0.0	95.5	0.2	4.1	0.1	0.0	0.1	0.0	4.5	28,773
Benane	0.0	6.1	0.0	0.4	34.2	56.9	0.0	0.0	0.0	97.5	0.6	1.7	0.1	0.0	0.0	0.0	2.5	13,108
Goreale	0.0	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.5	0.1	0.0	99.4	0.0	0.0	0.0	99.5	10,009
Maalamin	0.0	45.5	0.3	1.0	1.0	48.9	0.0	2.3	0.0	99.0	0.1	0.8	0.1	0.0	0.0	0.0	1.0	10,770
Sabena	0.0	11.7	0.0	0.4	0.1	21.3	0.0	0.6	0.0	34.3	0.1	1.0	64.6	0.0	0.0	0.0	65.7	19,803
Baraki	0.0	22.3	0.0	0.0	0.1	17.1	0.0	5.9	0.0	45.3	0.0	0.2	54.5	0.0	0.0	0.0	54.7	9,772
Dadaab Constituency	0.1	1.9	0.0	0.2	0.0	0.3	0.2	3.7	1.1	7.6	0.3	0.1	89.3	0.7	1.8	0.2	92.4	68,736
Dertu	0.0	0.0	0.0	0.2	0.0	0.1	0.1	13.6	4.1	18.1	0.0	0.0	81.7	0.0	0.0	0.1	81.9	14,938
Dadaab	0.0	0.8	0.0	0.0	0.0	0.3	0.4	3.2	1.1	5.9	0.8	0.2	84.5	2.8	4.8	1.0	94.1	15,636
Labisigale	0.0	0.2	0.0	2.1	0.0	0.2	1.5	0.0	0.1	4.1	1.9	0.0	90.9	0.0	3.1	0.0	95.9	5,442
Damajale	0.0	0.2	0.0	0.1	0.1	0.4	0.0	0.0	0.0	0.8	0.1	0.0	96.1	0.3	2.8	0.0	99.2	9,250
Liboi	0.3	9.7	0.1	0.1	0.0	0.5	0.0	0.0	0.0	10.7	0.0	0.1	89.0	0.0	0.2	0.0	89.3	11,089
Abakaile	0.1	0.4	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.9	0.0	0.2	98.8	0.0	0.1	0.0	99.1	12,381
Fafi Constituency	1.2	13.0	0.0	21.6	0.0	6.2	0.8	0.5	1.2	44.4	0.7	19.0	31.8	0.5	2.4	1.1	55.6	36,736

Bura	0.1	20.3	0.2	53.0	0.1	3.8	5.3	2.6	0.0	85.3	0.2	0.0	13.7	0.6	0.3	0.0	14.7	5,247
Dekaharia	3.7	5.9	0.0	0.0	0.0	16.8	0.0	0.0	0.0	26.3	0.0	73.7	0.0	0.0	0.0	0.0	73.7	9,470
Jarajila	0.8	17.8	0.0	0.2	0.0	0.1	0.1	0.0	0.0	19.0	2.4	0.1	71.9	1.4	1.6	3.7	81.0	9,612
Fafi	0.0	17.8	0.0	0.2	0.0	0.2	0.3	0.9	8.3	27.7	0.0	0.1	71.1	0.0	0.0	1.2	72.3	5,099
Nanighi	0.1	7.1	0.1	70.0	0.0	6.3	0.0	0.1	0.0	83.8	0.0	0.1	6.0	0.2	10.0	0.0	16.2	7,308
Ijara Constituency	0.4	3.4	0.0	0.4	0.0	5.2	0.3	2.7	69.3	81.7	0.1	0.3	1.6	0.6	15.4	0.2	18.3	92,167
Hulugho	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.4	98.7	99.3	0.2	0.0	0.0	0.0	0.0	0.5	0.7	20,763
Sangailu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.6	99.7	0.1	0.0	0.1	0.0	0.0	0.1	0.3	23,260
Ijara	0.9	0.3	0.0	0.0	0.0	1.7	0.0	0.0	96.3	99.3	0.2	0.2	0.0	0.0	0.1	0.1	0.7	15,912
Masalani	0.7	9.4	0.0	1.0	0.1	14.1	0.8	7.5	15.1	48.7	0.1	0.7	4.5	1.6	44.1	0.2	51.3	32,232

Table 7.24: 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	Wa- ter ven- dor	Other	Unimproved Sources	Protected Spring	Protected Well	Bore- hole	Piped into Dwelling	Piped	Rain Water Collection	Im- proved Sources	Number of Individuals
Kenya	2.7	2.3	1.1	22.4	4.8	6.7	0.4	5.6	0.4	46.4	7.4	7.7	11.7	6.2	19.9	0.7	53.6	26,755,066
Rural	3.7	3.1	1.4	29.1	6.3	8.6	0.4	2.4	0.5	55.6	9.2	8.2	12.1	1.9	12.2	0.8	44.4	18,016,471
Urban	0.8	0.6	0.5	8.5	1.8	2.8	0.2	12.1	0.1	27.5	3.8	6.7	10.8	14.9	35.8	0.5	72.5	8,738,595
Garissa County	0.3	5.1	0.2	9.5	1.3	16.8	0.2	3.7	14.0	50.9	0.3	2.0	23.4	2.7	20.4	0.3	49.1	377,857
Garissa Township Constit- uency	0.3	0.1	0.2	4.1	0.3	0.1	0.1	2.8	0.5	8.4	0.5	0.1	0.3	11.2	79.5	0.1	91.6	80,267
Waberi	0.4	0.1	-	0.3	0.3	0.4	0.1	4.1	0.5	6.3	1.4	0.4	0.9	5.3	85.6	0.2	93.7	14,229
Galbet	0.3	0.0	0.4	1.2	0.1	-	0.1	3.0	0.5	5.6	0.2	0.0	0.1	8.4	85.6	0.1	94.4	30,444
Township	0.5	0.0	-	1.2	0.1	0.0	0.0	2.0	0.2	3.9	0.9	0.0	0.1	13.7	81.4	-	96.1	13,567
Iftin	0.1	0.1	-	12.4	0.7	-	0.0	2.3	0.7	16.4	0.0	0.1	0.4	17.2	65.9	0.1	83.6	22,027
Balambala Constituency	0.0	4.2	0.6	37.7	0.8	37.3	0.1	8.5	1.7	91.0	0.1	0.6	6.1	0.5	1.3	0.4	9.0	61,121

Balambala	-	5.1	-	13.4	1.3	42.0	0.4	25.4	4.2	91.8	0.1	0.6	7.3	-	0.0	0.2	8.2	17,191
Danyere	0.0	5.3	1.7	23.2	1.1	64.4	-	-	-	95.7	-	0.5	2.7	0.0	-	1.0	4.3	20,690
Jarajara	-	1.0	-	74.9	0.1	16.7	-	6.8	-	99.4	0.0	0.4	-	0.1	-	-	0.6	6,795
Saka	0.1	1.0	-	63.2	-	14.9	-	4.9	-	84.1	0.6	1.4	8.5	-	5.4	-	15.9	7,632
Sankuri	-	5.1	-	68.7	-	0.2	-	0.2	3.8	77.9	-	0.1	14.5	3.0	4.4	-	22.1	8,813
Lagdera Constituency	0.0	11.8	0.1	4.2	5.4	42.9	-	2.9	-	67.2	0.2	1.8	30.8	-	0.0	0.0	32.8	80,466
Modogashe	0.0	2.0	0.1	12.4	2.3	72.5	-	6.1	-	95.4	0.1	4.2	0.1	-	0.1	0.0	4.6	25,205
Benane	-	6.9	-	0.3	32.6	57.8	-	-	-	97.5	0.5	1.8	0.1	-	-	-	2.5	11,009
Goreale	-	0.1	-	-	0.2	0.2	-	-	-	0.5	0.1	-	99.4	-	0.0	-	99.5	8,866
Maalamin	-	44.0	0.2	0.9	1.1	50.4	-	2.2	-	98.9	0.1	0.9	0.2	-	-	-	1.1	9,642
Sabena	0.0	12.5	0.0	0.5	0.1	21.8	-	0.6	-	35.5	0.1	0.4	64.0	-	-	-	64.5	17,263
Baraki	-	21.5	-	-	0.1	14.8	-	5.6	-	42.0	-	0.2	57.8	-	-	-	58.0	8,481
Dadaab Constituency	0.1	1.8	0.0	0.3	0.0	0.3	0.3	3.5	1.0	7.4	0.3	0.1	89.5	0.7	1.8	0.3	92.6	56,199
Dertu	0.1	-	-	0.2	-	0.1	0.1	12.5	3.3	16.3	-	-	83.6	-	-	0.1	83.7	12,730
Dadaab	0.1	1.1	-	0.0	0.0	0.4	0.5	3.2	1.0	6.3	0.7	0.2	83.9	3.1	4.5	1.2	93.7	12,142
Labisigale	-	0.2	-	2.4	-	0.2	1.7	-	0.2	4.6	1.3	-	90.5	-	3.6	-	95.4	4,798
Damajale	-	0.2	-	0.1	0.1	0.5	-	-	-	0.9	0.1	-	95.8	0.2	2.9	-	99.1	7,795
Liboi	0.3	9.8	0.1	0.1	-	0.7	-	-	-	10.9	-	0.1	88.7	0.0	0.2	-	89.1	8,579
Abakaile	0.1	0.4	0.1	0.0	-	0.3	-	-	-	0.8	-	0.2	98.8	-	0.1	-	99.2	10,155
Fafi Constituency	1.3	14.5	0.0	20.8	0.0	6.4	0.5	0.5	0.9	44.9	0.5	19.9	30.4	0.6	2.5	1.2	55.1	27,137
Bura	-	23.3	0.2	51.6	0.1	4.6	2.7	3.0	-	85.6	-	-	13.8	0.4	0.2	-	14.4	3,688

Dekaharia	4.6	5.8	-	-	-	16.2	-	-	-	26.6	-	73.4	-	-	-	-	73.4	7,335
Jarajila	0.1	21.3	-	0.2	-	-	0.1	-	-	21.7	2.1	0.1	68.2	1.9	1.8	4.1	78.3	7,002
Fafi	-	20.0	-	0.2	-	0.3	0.5	0.7	7.0	28.6	-	-	70.5	-	-	0.9	71.4	3,695
Nanighi	0.1	7.7	0.1	68.5	-	7.0	-	-	-	83.3	-	-	6.5	0.3	9.9	-	16.7	5,417
Ijara Constituency	0.4	3.2	-	0.4	0.0	5.5	0.3	2.7	69.5	82.1	0.1	0.3	1.6	0.6	15.1	0.2	17.9	72,667
Hulugho	-	0.2	-	-	0.1	-	0.1	0.4	98.7	99.4	0.1	-	-	-	0.0	0.4	0.6	15,590
Sangailu	0.1	-	-	-	-	-	-	-	99.7	99.7	0.1	-	0.1	-	-	0.1	0.3	19,241
Ijara	1.2	0.3	-	-	0.0	1.9	-	-	95.8	99.2	0.3	0.2	-	-	0.1	0.2	0.8	12,691
Masalani	0.6	9.0	-	1.2	0.1	15.1	0.9	7.5	15.0	49.3	0.1	0.8	4.4	1.7	43.5	0.2	50.7	25,145

Table 7.25: Source of Water of Female headed Household by County, Constituency and Ward

County/Constituency/Wards	Pond	Dam	Lake	Stream/River	Unprotected Spring	Unprotected Well	Jabia	Water vendor	Other	Unimproved Sources	Protected Spring	Protected Well	Bore-hole	Piped into Dwelling	Piped	Rain Water Collection	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
Garissa County	0.2	3.7	0.1	8.0	1.0	10.6	0.3	2.7	14.4	41.0	0.4	2.0	19.8	3.8	32.7	0.2	59.0	98,770
Garissa Township Constituency	0.2	0.0	0.1	2.0	0.0	0.1	0.1	1.7	0.5	4.8	0.6	0.1	0.3	10.4	83.8	-	95.2	33,535
Waberi	0.2	0.1	-	0.2	0.1	0.4	0.1	2.0	0.7	3.8	2.4	0.5	0.8	5.1	87.4	-	96.2	6,349
Galbet	0.2	-	0.2	0.6	-	-	0.1	2.0	0.4	3.5	0.1	0.0	0.1	8.7	87.6	-	96.5	12,075
Township	0.5	-	-	0.9	0.1	-	-	1.2	0.2	2.9	0.5	-	-	12.3	84.3	-	97.1	7,260

Iftin	-	0.1	-	6.8	0.1	-	0.2	1.5	0.6	9.2	-	0.2	0.4	15.6	74.7	-	90.8	7,851
Balambala Constituency	-	4.8	0.3	36.7	0.5	33.8	0.1	5.4	2.5	84.2	0.1	0.2	10.6	0.7	3.7	0.6	15.8	11,830
Balambala	-	2.2	-	13.7	0.8	42.5	0.5	16.3	7.3	83.3	-	0.3	15.6	-	0.3	0.5	16.7	3,071
Danyere	-	8.9	1.0	26.8	0.6	59.2	-	-	-	96.5	-	-	2.2	-	-	1.3	3.5	4,073
Jarajara	-	-	-	92.3	-	1.3	-	6.5	-	100.0	-	-	-	-	-	-	-	555
Saka	-	2.6	-	56.4	0.1	12.4	-	4.6	-	76.2	-	0.4	10.0	-	13.4	-	23.8	2,240
Sankuri	-	4.2	-	55.7	0.5	-	-	-	3.9	64.4	0.4	-	24.4	4.2	6.7	-	35.6	1,891
Lagdera Constituency	-	10.5	0.1	4.8	7.9	43.7	-	2.2	-	69.1	0.3	2.4	28.1	0.1	-	-	30.9	11,769
Modogashe	-	0.5	-	15.0	0.8	77.1	-	3.0	-	96.3	0.4	3.3	-	-	-	-	3.7	3,568
Benane	-	1.8	-	0.6	42.4	52.7	-	-	-	97.6	1.0	1.1	-	0.3	-	-	2.4	2,099
Goreale	-	-	-	-	0.8	-	-	-	-	0.8	-	-	99.2	-	-	-	99.2	1,143
Maalamin	-	58.6	0.6	1.6	-	36.0	-	3.2	-	100.0	-	-	-	-	-	-	-	1,128
Sabena	-	6.7	-	-	-	18.3	-	0.6	-	25.6	-	5.5	68.9	-	-	-	74.4	2,540
Baraki	-	27.6	-	-	-	32.0	-	7.5	-	67.1	-	-	32.9	-	-	-	32.9	1,291
Dadaab Constituency	0.1	2.0	-	0.0	0.1	0.1	0.0	4.4	1.9	8.5	0.5	0.2	88.3	0.5	1.9	0.1	91.5	12,537
Dertu	-	-	-	0.3	-	0.4	-	19.5	8.7	28.8	-	-	70.8	-	-	0.4	71.2	2,208
Dadaab	-	-	-	-	-	-	-	3.3	1.1	4.5	0.8	0.5	86.7	1.7	5.8	-	95.5	3,494
Labisigale	-	-	-	-	-	-	0.6	-	-	0.6	5.7	-	93.6	-	-	-	99.4	644
Damajale	-	-	-	-	-	-	-	-	-	-	-	-	97.4	0.6	2.0	-	100.0	1,455
Liboi	0.2	9.5	-	-	-	-	-	-	-	9.7	-	0.0	90.2	-	-	-	90.3	2,510
Abakaile	0.2	0.4	-	-	0.4	0.2	-	-	-	1.2	-	-	98.8	-	-	-	98.8	2,226

Fafi Constituency	0.9	8.7	-	23.9	-	5.4	1.9	0.5	1.7	43.0	1.0	16.7	35.9	0.2	2.4	0.9	57.0	9,599
Bura	0.4	13.1	-	56.3	-	1.7	11.5	1.4	-	84.4	0.6	-	13.5	1.0	0.5	-	15.6	1,559
Dekaharia	0.6	6.4	-	-	-	18.6	-	-	-	25.6	-	74.4	-	-	-	-	74.4	2,135
Jarajila	2.8	8.4	-	0.2	-	0.3	0.1	-	-	11.8	3.2	-	81.7	-	0.9	2.5	88.2	2,610
Fafi	-	12.1	-	-	-	-	-	1.3	11.8	25.2	-	0.3	72.6	-	-	1.9	74.8	1,404
Nanighi	-	5.6	-	74.5	-	4.4	-	0.4	-	84.9	-	0.4	4.3	-	10.3	-	15.1	1,891
Ijara Constituency	0.3	4.0	0.1	0.2	0.0	4.0	0.2	2.9	68.5	80.2	0.2	0.2	1.8	0.4	16.8	0.2	19.8	19,500
Hulugho	-	0.1	-	-	-	-	-	0.3	98.6	99.0	0.4	-	-	-	-	0.6	1.0	5,173
Sangailu	-	-	-	-	-	-	-	-	99.4	99.4	0.4	-	0.1	-	-	0.1	0.6	4,019
Ijara	-	0.5	-	-	-	0.7	-	-	98.4	99.7	0.1	0.2	-	-	-	-	0.3	3,221
Masalani	0.7	10.7	0.2	0.5	0.1	10.8	0.6	7.7	15.5	46.8	-	0.6	5.0	1.1	46.3	0.1	53.2	7,087

Table 7:26: Human Waste Disposal by County, Constituency and Ward

County/ Constituency	Main Sewer	Septic Tank	Cess Pool	VIP Latrine	Pit Latrine	Improved Sanitation	Pit Latrine Uncovered	Bucket	Bush	Other	Unimproved Sanitation	Number of HH Members
Kenya	**5.91**	**2.76**	**0.27**	**4.57**	**47.62**	**61.14**	**20.87**	**0.27**	**17.58**	**0.14**	**38.86**	**37,919,647**
Rural	**0.14**	**0.37**	**0.08**	**3.97**	**48.91**	**53.47**	**22.32**	**0.07**	**24.01**	**0.13**	**46.53**	**26,075,195**
Urban	**18.61**	**8.01**	**0.70**	**5.90**	**44.80**	**78.02**	**17.67**	**0.71**	**3.42**	**0.18**	**21.98**	**11,844,452**
Garissa County	0.94	0.83	0.13	2.56	17.19	21.66	13.21	0.22	64.60	0.31	78.34	476,627
Garissa Township Constituency	3.73	3.24	0.30	8.78	45.50	61.54	28.74	0.44	8.95	0.33	38.46	113,802
Waberi	1.50	0.85	1.00	5.14	51.38	59.86	30.57	0.17	8.91	0.49	40.14	20,578
Galbet	1.38	1.75	0.11	10.21	48.56	62.02	32.97	0.07	4.53	0.41	37.98	42,519
Township	11.77	6.86	0.15	14.47	47.48	80.73	17.56	1.62	0.09	0.00	19.27	20,827
Iftin	3.00	4.47	0.20	5.27	35.70	48.65	29.23	0.34	21.46	0.32	51.35	29,878
Balambala Constituency	0.00	0.05	0.12	1.37	4.41	5.96	3.83	0.06	89.62	0.53	94.04	72,951
Balambala	0.00	0.07	0.12	3.79	7.80	11.78	5.15	0.09	81.43	1.55	88.22	20,262
Danyere	0.00	0.02	0.00	0.10	2.41	2.54	0.70	0.07	96.62	0.07	97.46	24,763
Jarajara	0.00	0.00	0.38	0.90	7.90	9.18	0.61	0.00	90.01	0.19	90.82	7,350
Saka	0.00	0.00	0.00	1.02	1.10	2.13	2.81	0.08	94.88	0.10	97.87	9,872
Sankuri	0.00	0.18	0.35	0.37	3.28	4.18	11.72	0.01	83.84	0.25	95.82	10,704
Lagdera Constituency	0.00	0.03	0.06	0.23	3.59	3.91	10.86	0.17	84.91	0.15	96.09	92,235
Modogashe	0.00	0.00	0.06	0.46	9.39	9.91	12.21	0.23	77.52	0.13	90.09	28,773
Benane	0.00	0.05	0.00	0.05	0.88	0.98	9.46	0.05	89.51	0.00	99.02	13,108
Goreale	0.00	0.00	0.09	0.31	2.85	3.25	39.09	0.05	57.33	0.28	96.75	10,009
Maalamin	0.00	0.12	0.00	0.04	0.51	0.67	1.99	0.19	97.16	0.00	99.33	10,770
Sabena	0.00	0.04	0.14	0.15	0.38	0.71	4.62	0.20	94.14	0.34	99.29	19,803
Baraki	0.00	0.00	0.02	0.10	0.83	0.95	2.27	0.20	96.50	0.07	99.05	9,772
Dadaab Constituency	0.23	0.23	0.10	0.55	12.45	13.57	13.69	0.11	72.18	0.45	86.43	68,736
Dertu	0.06	0.05	0.00	0.46	6.96	7.53	1.90	0.07	90.39	0.11	92.47	14,938
Dadaab	0.84	0.98	0.33	1.45	28.77	32.36	11.27	0.00	55.06	1.31	67.64	15,636
Labisigale	0.00	0.00	0.00	0.15	10.05	10.20	37.06	0.55	52.04	0.15	89.80	5,442
Damajale	0.00	0.00	0.09	0.18	3.17	3.44	6.06	0.22	90.17	0.11	96.56	9,250
Liboi	0.05	0.00	0.09	0.00	13.01	13.15	27.02	0.16	59.27	0.40	86.85	11,089

Abakaile	0.08	0.00	0.00	0.48	5.98	6.53	14.45	0.00	78.81	0.20	93.47	12,381
Fafi Constituency	0.11	0.01	0.03	0.36	9.49	10.01	5.98	0.59	83.41	0.02	89.99	36,736
Bura	0.00	0.02	0.00	0.29	12.27	12.58	6.71	0.00	80.71	0.00	87.42	5,247
Dekaharia	0.00	0.00	0.13	0.07	0.62	0.82	0.98	0.10	98.10	0.00	99.18	9,470
Jarajila	0.35	0.00	0.00	1.15	26.44	27.94	8.74	2.01	61.31	0.00	72.06	9,612
Fafi	0.00	0.04	0.00	0.00	1.06	1.10	0.22	0.18	98.37	0.14	98.90	5,099
Nanighi	0.11	0.00	0.00	0.00	2.59	2.70	12.30	0.08	84.92	0.00	97.30	7,308
Ijara Constituency	0.05	0.04	0.07	0.54	12.57	13.27	6.33	0.07	80.05	0.28	86.73	92,167
Hulugho	0.00	0.00	0.00	0.00	0.26	0.26	5.38	0.08	94.18	0.10	99.74	20,763
Sangailu	0.00	0.04	0.03	0.03	0.46	0.56	4.82	0.00	93.99	0.63	99.44	23,260
Ijara	0.00	0.00	0.06	0.14	3.88	4.08	5.18	0.16	90.49	0.09	95.92	15,912
Masalani	0.14	0.09	0.13	1.45	33.54	35.35	8.59	0.08	55.73	0.25	64.65	32,232

Table 7.27: Human Waste Disposal in Male Headed household by County, Constituency and Ward

County/ Constituency/wards	Main Sewer	Septic Tank	Cess Pool	VIP Latrine	Pit Latrine	Improved Sanitation	Pit Latrine Uncovered	Bucket	Bush	Other	Unimproved Sanitation	Number of HH Members
Kenya	**6.30**	**2.98**	**0.29**	**4.60**	**47.65**	**61.81**	**20.65**	**0.28**	**17.12**	**0.14**	**38.19**	**26,755,066**
Rural	**0.15**	**0.40**	**0.08**	**3.97**	**49.08**	**53.68**	**22.22**	**0.07**	**23.91**	**0.12**	**46.32**	**18,016,471**
Urban	**18.98**	**8.29**	**0.73**	**5.89**	**44.69**	**78.58**	**17.41**	**0.70**	**3.13**	**0.18**	**21.42**	**8,738,595**
Garissa County	0.80	0.73	0.12	2.23	15.46	19.34	12.47	0.22	67.68	0.29	80.66	377,857
Garissa Township Constituency	3.63	3.16	0.29	8.31	43.93	59.32	29.30	0.45	10.63	0.30	40.68	80,267
Waberi	1.33	0.82	0.96	4.76	48.95	56.82	32.15	0.25	10.37	0.41	43.18	14,229
Galbet	1.28	1.80	0.12	9.57	47.62	60.38	33.88	0.09	5.21	0.44	39.62	30,444
Township	12.10	6.10	0.09	13.89	47.52	79.69	18.60	1.67	0.04	0.00	20.31	13,567
Iftin	3.12	4.76	0.20	5.43	33.39	46.90	27.73	0.32	24.81	0.23	53.10	22,027
Balambala Constituency	0.00	0.06	0.13	1.23	4.04	5.47	3.74	0.07	90.25	0.47	94.53	61,121
Balambala	0.00	0.08	0.14	3.25	7.05	10.52	5.07	0.10	82.99	1.32	89.48	17,191
Danyere	0.00	0.03	0.00	0.13	1.89	2.04	0.80	0.09	96.98	0.09	97.96	20,690
Jarajara	0.00	0.00	0.37	0.90	7.52	8.79	0.56	0.00	90.45	0.21	91.21	6,795
Saka	0.00	0.00	0.00	1.02	0.97	1.99	2.20	0.10	95.70	0.00	98.01	7,632
Sankuri	0.00	0.22	0.36	0.34	3.19	4.11	11.85	0.01	83.73	0.31	95.89	8,813

Lagdera Constituency	0.00	0.02	0.05	0.24	3.49	3.80	10.33	0.16	85.57	0.14	96.20	80,466
Modogashe	0.00	0.00	0.04	0.48	8.93	9.45	11.29	0.23	78.89	0.15	90.55	25,205
Benane	0.00	0.00	0.00	0.05	0.93	0.98	8.81	0.00	90.21	0.00	99.02	11,009
Goreale	0.00	0.00	0.00	0.35	3.05	3.39	37.20	0.06	59.14	0.21	96.61	8,866
Maalamin	0.00	0.13	0.00	0.04	0.53	0.71	1.84	0.18	97.28	0.00	99.29	9,642
Sabena	0.00	0.04	0.16	0.13	0.37	0.70	4.86	0.18	93.98	0.29	99.30	17,263
Baraki	0.00	0.00	0.02	0.12	0.80	0.94	2.15	0.24	96.59	0.08	99.06	8,481
Dadaab Constituency	0.04	0.22	0.10	0.56	11.80	12.70	12.79	0.12	73.96	0.42	87.30	56,199
Dertu	0.06	0.06	0.00	0.49	7.20	7.81	1.85	0.08	90.14	0.13	92.19	12,730
Dadaab	0.07	0.94	0.30	1.53	27.65	30.50	10.85	0.00	57.37	1.28	69.50	12,142
Labisigale	0.00	0.00	0.00	0.17	11.03	11.19	33.18	0.63	54.84	0.17	88.81	4,798
Damajale	0.00	0.00	0.10	0.22	3.23	3.55	5.14	0.21	90.97	0.13	96.45	7,795
Liboi	0.06	0.00	0.12	0.00	10.89	11.06	25.90	0.15	62.55	0.34	88.94	8,579
Abakaile	0.00	0.00	0.00	0.38	6.31	6.70	13.99	0.00	79.14	0.17	93.30	10,155
Fafi Constituency	0.15	0.01	0.03	0.40	7.73	8.32	5.73	0.59	85.34	0.02	91.68	27,137
Bura	0.00	0.03	0.00	0.30	10.22	10.55	6.59	0.00	82.86	0.00	89.45	3,688
Dekaharia	0.00	0.00	0.10	0.00	0.64	0.74	0.55	0.12	98.60	0.00	99.26	7,335
Jarajila	0.49	0.00	0.00	1.39	20.99	22.86	9.67	1.96	65.51	0.00	77.14	7,002
Fafi	0.00	0.05	0.00	0.00	1.33	1.38	0.30	0.24	97.94	0.14	98.62	3,695
Nanighi	0.15	0.00	0.00	0.00	2.84	2.99	10.78	0.11	86.12	0.00	97.01	5,417
Ijara Constituency	0.06	0.04	0.04	0.54	12.62	13.31	5.86	0.07	80.46	0.29	86.69	72,667
Hulugho	0.00	0.00	0.00	0.00	0.22	0.22	5.03	0.06	94.55	0.13	99.78	15,590
Sangailu	0.00	0.05	0.00	0.04	0.36	0.45	4.33	0.00	94.57	0.64	99.55	19,241
Ijara	0.00	0.00	0.08	0.13	3.92	4.14	4.46	0.20	91.17	0.04	95.86	12,691
Masalani	0.18	0.09	0.08	1.47	34.07	35.90	8.26	0.07	55.52	0.25	64.10	25,145

Table 7.28: Human Waste Disposal in Female Headed Household by County, Constituency and Ward

County/ Constituency	Main Sewer	Septic Tank	Cess Pool	VIP Latrine	Pit Latrine	Improved Sanitation	Pit Latrine Uncovered	Bucket	Bush	Other	Unimproved Sanitation	Number of HH Members
Kenya	**5.0**	**2.2**	**0.2**	**4.5**	**47.6**	**59.5**	**21.4**	**0.3**	**18.7**	**0.2**	**40.5**	**11,164,581.0**
Rural	**0.1**	**0.3**	**0.1**	**4.0**	**48.5**	**53.0**	**22.6**	**0.1**	**24.2**	**0.1**	**47.0**	**8,058,724.0**
Urban	**17.6**	**7.2**	**0.6**	**5.9**	**45.1**	**76.4**	**18.4**	**0.7**	**4.3**	**0.2**	**23.6**	**3,105,857.0**

Garissa	1.5	1.2	0.2	3.8	23.8	30.5	16.0	0.3	52.8	0.4	69.5	98,770.0
Garissa Township	4.0	3.4	0.3	9.9	49.2	66.9	27.4	0.4	4.9	0.4	33.1	33,535.0
Waberi	1.9	0.9	1.1	6.0	56.8	66.7	27.0	0.0	5.6	0.7	33.3	6,349.0
Galbet	1.6	1.6	0.1	11.9	50.9	66.1	30.7	0.0	2.8	0.3	33.9	12,075.0
Township	11.2	8.3	0.3	15.6	47.4	82.7	15.6	1.5	0.2	0.0	17.3	7,260.0
Iftin	2.6	3.7	0.2	4.8	42.2	53.5	33.4	0.4	12.0	0.6	46.5	7,851.0
Balambala	0.0	0.0	0.1	2.1	6.3	8.5	4.3	0.0	86.4	0.8	91.5	11,830.0
Balambala	0.0	0.0	0.0	6.8	12.0	18.8	5.6	0.0	72.7	2.9	81.2	3,071.0
Danyere	0.0	0.0	0.0	0.0	5.0	5.0	0.2	0.0	94.8	0.0	95.0	4,073.0
Jarajara	0.0	0.0	0.5	0.9	12.6	14.1	1.3	0.0	84.7	0.0	85.9	555.0
Saka	0.0	0.0	0.0	1.0	1.6	2.6	4.9	0.0	92.1	0.4	97.4	2,240.0
Sankuri	0.0	0.0	0.3	0.5	3.7	4.5	11.2	0.0	84.3	0.0	95.5	1,891.0
Lagdera	0.0	0.1	0.1	0.2	4.3	4.7	14.5	0.2	80.4	0.2	95.3	11,769.0
Modogashe	0.0	0.0	0.2	0.4	12.6	13.2	18.7	0.2	67.9	0.0	86.8	3,568.0
Benane	0.0	0.3	0.0	0.0	0.7	1.0	12.9	0.3	85.9	0.0	99.0	2,099.0
Goreale	0.0	0.0	0.8	0.0	1.3	2.1	53.8	0.0	43.3	0.8	97.9	1,143.0
Maalamin	0.0	0.0	0.0	0.0	0.4	0.4	3.3	0.3	96.1	0.0	99.6	1,128.0
Sabena	0.0	0.0	0.0	0.3	0.5	0.8	3.0	0.3	95.2	0.7	99.2	2,540.0
Baraki	0.0	0.0	0.0	0.0	1.0	1.0	3.1	0.0	95.9	0.0	99.0	1,291.0
Dadaab	1.1	0.3	0.1	0.5	15.4	17.4	17.7	0.1	64.2	0.6	82.6	12,537.0
Dertu	0.0	0.0	0.0	0.3	5.6	5.9	2.2	0.0	91.8	0.0	94.1	2,208.0
Dadaab	3.5	1.1	0.4	1.1	32.7	38.8	12.7	0.0	47.0	1.4	61.2	3,494.0
Labisigale	0.0	0.0	0.0	0.0	2.8	2.8	66.0	0.0	31.2	0.0	97.2	644.0
Damajale	0.0	0.0	0.0	0.0	2.8	2.8	11.0	0.3	85.9	0.0	97.2	1,455.0
Liboi	0.0	0.0	0.0	0.0	20.3	20.3	30.8	0.2	48.1	0.6	79.7	2,510.0
Abakaile	0.4	0.0	0.0	0.9	4.4	5.8	16.5	0.0	77.3	0.4	94.2	2,226.0
Fafi	0.0	0.0	0.1	0.3	14.5	14.8	6.7	0.6	77.9	0.0	85.2	9,599.0
Bura	0.0	0.0	0.0	0.3	17.1	17.4	7.0	0.0	75.6	0.0	82.6	1,559.0
Dekaharia	0.0	0.0	0.2	0.3	0.6	1.1	2.5	0.0	96.4	0.0	98.9	2,135.0
Jarajila	0.0	0.0	0.0	0.5	41.0	41.6	6.2	2.1	50.0	0.0	58.4	2,610.0
Fafi	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	99.5	0.1	99.6	1,404.0
Nanighi	0.0	0.0	0.0	0.0	1.9	1.9	16.7	0.0	81.5	0.0	98.1	1,891.0
Ijara	0.0	0.0	0.1	0.5	12.4	13.1	8.1	0.1	78.5	0.3	86.9	19,500.0
Hulugho	0.0	0.0	0.0	0.0	0.4	0.4	6.4	0.1	93.1	0.0	99.6	5,173.0
Sangailu	0.0	0.0	0.2	0.0	0.9	1.1	7.2	0.0	91.2	0.5	98.9	4,019.0
Ijara	0.0	0.0	0.0	0.2	3.7	3.8	8.0	0.0	87.8	0.3	96.2	3,221.0
Masalani	0.0	0.1	0.3	1.4	31.6	33.4	9.8	0.1	56.5	0.3	66.6	7,087.0

KNBS
KENYA NATIONAL BUREAU OF STATISTICS
Keeping you informed

About KNBS

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

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SID
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