

Exploring Kenya's Inequality

Pulling Apart or Pooling Together?

Kisumu County



Published by



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ISBN – 978 - 9966 - 029 - 18 - 8

With funding from DANIDA through Drivers of Accountability Programme



The publication, however, remains the sole responsibility of the Kenya National Bureau of Statistics (KNBS) and the Society for International Development (SID).

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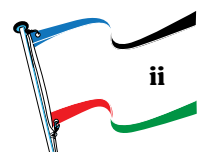
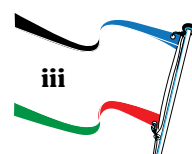


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Foreword

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

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

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

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

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

Ali Hersi

Society for International Development (SID)
Regional Director

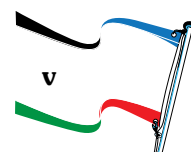


Acknowledgements

Kenya National Bureau of Statistics (KNBS) and Society for International Development (SID) are grateful to all the individuals directly involved in the publication of *‘Exploring Kenya’s Inequality: Pulling Apart or Pulling Together?’* books. Special mention goes to Zachary Mwangi (KNBS, Ag. Director General) and Ali Hersi (SID, Regional Director) for their institutional leadership; Katindi Sivi-Njonjo (SID, Programme Director) and Paul Samoei (KNBS) for the effective management of the project; Eston Ngugi; Tabitha Wambui Mwangi; Joshua Musyimi; Samuel Kipruto; George Kamula; Jason Lakin; Ali Zaidi; Leonard Wanyama; and Irene Omari for the different roles played in the completion of these publications.

KNBS and SID would like to thank Bernadette Wanjala (KIPPRA), Mwende Mwendwa (KIPPRA), Raphael Munavu (CRA), Moses Sichei (CRA), Calvin Muga (TISA), Chrispine Oduor (IEA), John T. Mukui, Awuor Ponge (IPAR, Kenya), Othieno Nyanjom, Mary Muyonga (SID), Prof. John Oucho (AMADPOC), Ms. Ada Mwangola (Vision 2030 Secretariat), Kilian Nyambu (NCIC), Charles Warria (DAP), Wanjiru Gikonyo (TISA) and Martin Napisa (NTA), for attending the peer review meetings held on 3rd October 2012 and Thursday, 28th Feb 2013 and for making invaluable comments that went into the initial production and the finalisation of the books. Special mention goes to Arthur Muliro, Wambui Gathathi, Con Omore, Andiwo Obondoh, Peter Gunja, Calleb Okoyo, Dennis Mutabazi, Leah Thuku, Jackson Kitololo, Yvonne Omwodo and Maureen Bwisa for their institutional support and administrative assistance throughout the project. The support of DANIDA through the Drivers of Accountability Project in Kenya is also gratefully acknowledged.

Stefano Prato
Managing Director,
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Striking Features on Intra-County Inequality in Kenya

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

Income/expenditure inequalities

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

Access to Education

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



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

Access to Improved Sanitation

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

Access to Improved Sources of Water

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

Access to Improved Sources of Lighting

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

Access to Improved Housing

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

Overall ranking of the variables

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

Abbreviations

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

Introduction

Background

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

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

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

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

Methodology

Gini-coefficient of inequality

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



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

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

An Illustration of the Lorenz Curve



Small Area Estimation (SAE)

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

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

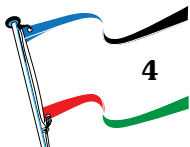
The sample in the 2005/06 KIHBS, which was a representative subset of the population, collected detailed information regarding consumption expenditures. The survey gives poverty estimate of urban and rural poverty at the national level, the provincial level and, albeit with less precision, at the district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

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

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

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

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



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

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

Identification of poor households Principal Component Analysis (PCA)

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

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

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

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

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

Concepts and definitions

Inequality

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

Equality and Equity

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

Poverty

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

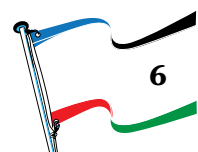
Spatial Dimensions

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

Employment

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

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



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

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

Education

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

Water

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

Sanitation

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

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

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

Housing Conditions (Roof, Wall and Floor)

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

Energy fuel for cooking and lighting

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

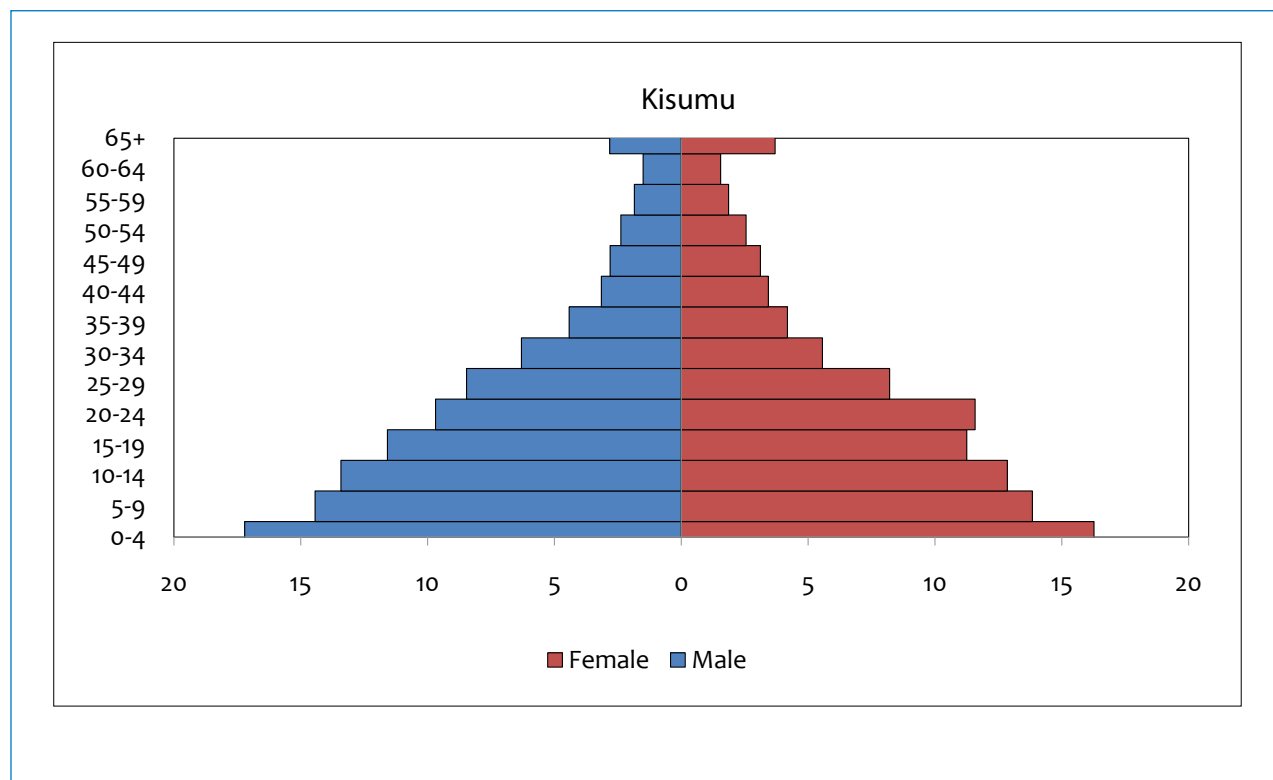


Kisumu County



KISUMU COUNTY

Figure 17.1: Kisumu Population Pyramid



Population

Kisumu County has a child rich population, where 0-14 year olds constitute 44% of the total population. However, the county is at the onset of a fertility decline as 42% of households have 0-3 household members. Being a city, it has also attracted a big working age population particularly in Kisumu Central Constituency where 15-64 year olds constitute 62% of the total population.

Employment

The 2009 population and housing census covered in brief the labour status as tabulated in the table 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 17.3 up to ward level.

Table 17: Overall Employment by Education Levels in Kisumu County

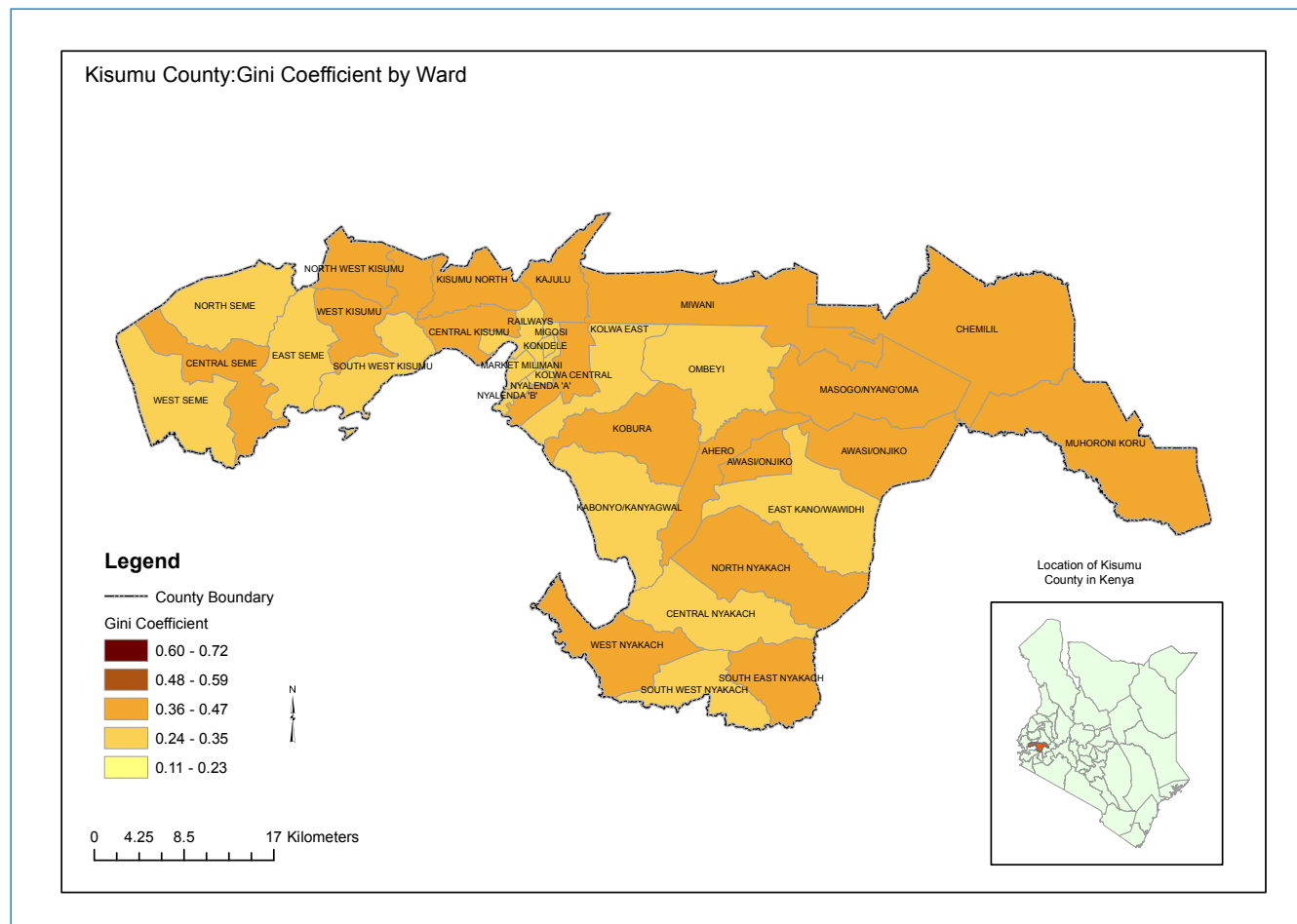
Education Level	Work for pay	Family Business	Family Agricultural Holding	Intern/ Volunteer	Retired/ Home-maker	Fulltime Student	Incapacitated	No work	Number of Individuals
Total	25.3	18.8	20.0	1.4	9.6	16.1	0.7	8.2	502,488
None	18.7	19.2	33.8	2.9	12.2	1.3	3.5	8.4	30,848
Primary	20.4	20.2	25.0	1.1	11.4	13.1	0.7	8.1	262,598
Secondary+	32.4	16.9	11.8	1.5	6.9	21.9	0.3	8.3	209,042

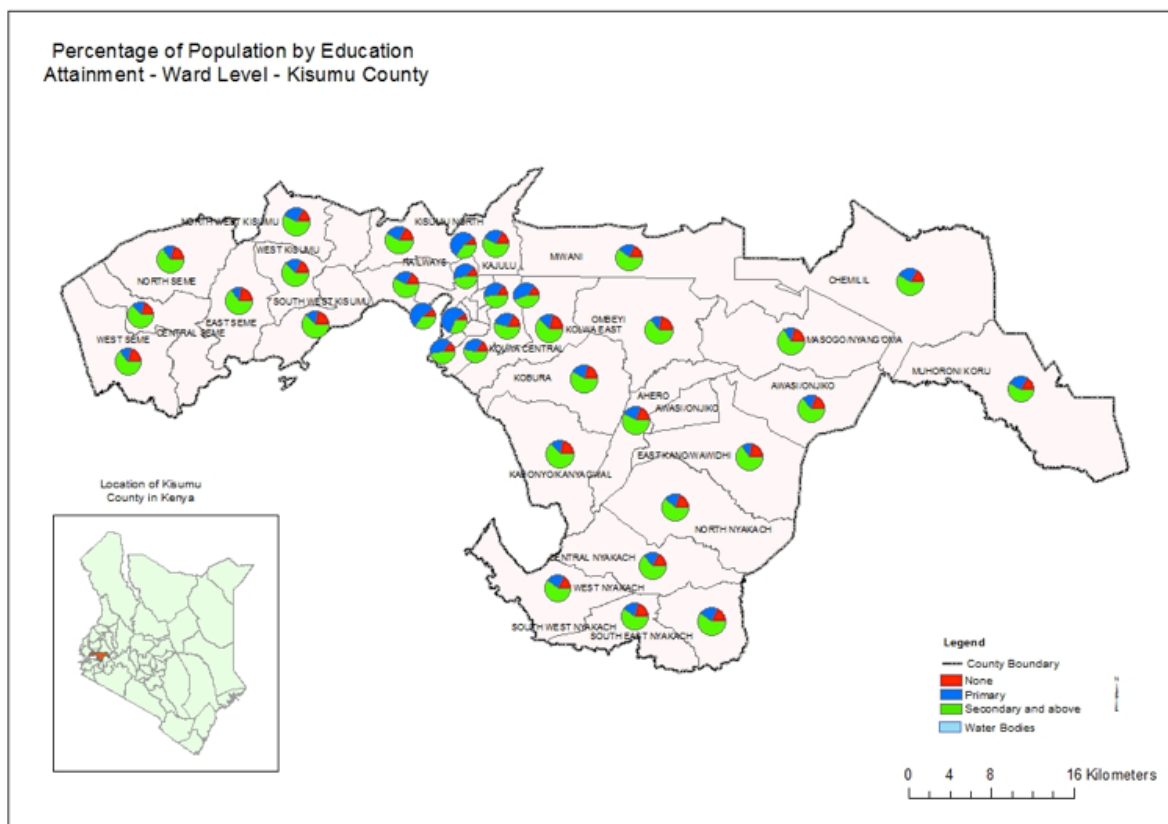
In Kisumu County, 19% of the residents with no formal education, 20% of those with a primary education and 32% of those with a secondary level of education or above are working for pay. Work for pay is highest in Nairobi at 49% and this is 17 percentage points above the level in Kisumu for those with secondary or above level of education.

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. Kisumu County's Gini index is 0.430 compared with Turkana County, which has the least inequality nationally (0.283).

Figure 17.2: Kisumu County-Gini Coefficient by Ward





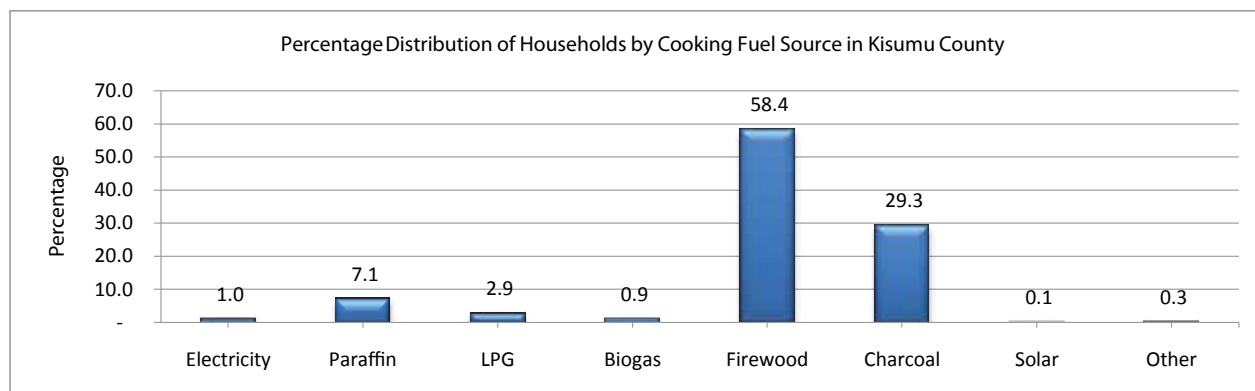
Some 18% of Kisumu County residents have no formal education. Two constituencies; Seme and Nyando have the highest share of residents with no formal education at 21% each. This is almost twice Kisumu Central constituency, which has the lowest share of residents with no formal education. Seme and Nyando constituencies are 3 percentage points above the county average. Ombeyi ward has the highest percentage of residents with no formal education at 23%. This is twice Market Milimani ward, which has the lowest percentage of residents with no formal education. Ombeyi ward is 5 percentage points above the county average.

Energy

Cooking Fuel

Figure 17.4: Percentage Distribution of Households by Source of Cooking Fuel in Kisumu County

Figure 17.4: Percentage Distribution of Households by Source of Cooking Fuel in Kisumu County



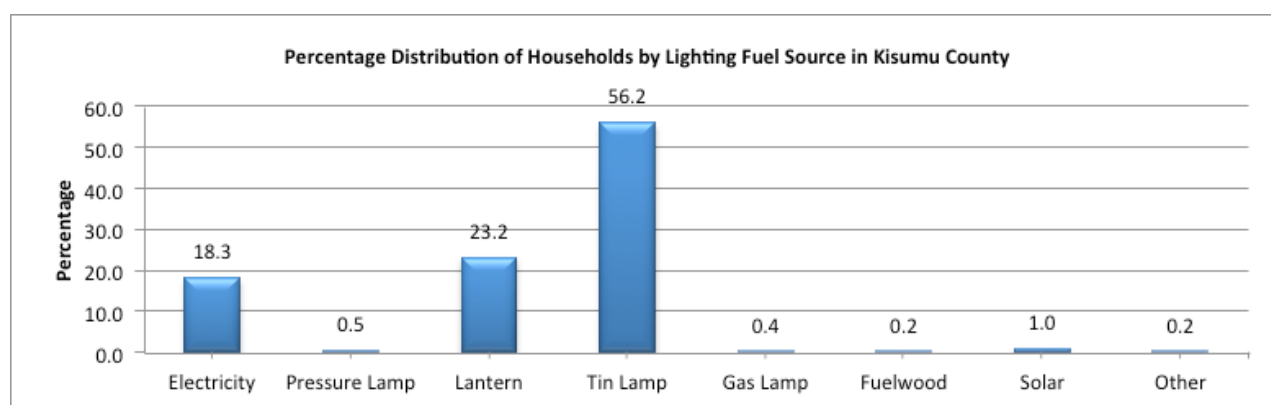
Only 3% of residents in Kisumu County use liquefied petroleum gas (LPG), and 7% use paraffin. 58% use firewood and 29% use charcoal. Firewood is the most common cooking fuel by gender with 51% of male headed households and 71% in female headed households using it.

Seme constituency has the highest level of firewood use in Kisumu County at 92%. This is 23 times Kisumu Central constituency, which has the lowest share. Seme constituency is about 34 percentage points above the county average. Two wards, East Seme and East Kano/Wawidhi, have the highest level of firewood use in Kisumu County at 96% each. This is 95 percentage points above Shauri Moyo/Kaloleni ward, which has the lowest share. East Seme and East Kano/Wawidhi are 38 percentage points above the county average.

Kisumu Central constituency has the highest level of charcoal use in Kisumu County at 62%. This is almost nine times Seme constituency, which has the lowest share. Kisumu Central constituency is 33 percentage points above the county average. Manyatta B ward has the highest level of charcoal use in Kisumu County at 72%. This is 24 times East Seme ward, which has the lowest share. Manyatta B ward is 43 percentage points above the county average.

Lighting

Figure 17.5: Percentage Distribution of Households by Source of Lighting Fuel in Kisumu County



Only 18% of residents in Kisumu County use electricity as their main source of lighting. A further 23% use lanterns, and 56% use tin lamps. Less than 1% use fuel wood. Electricity use is mostly common in male headed households at 21% as compared with female headed households at 14%.

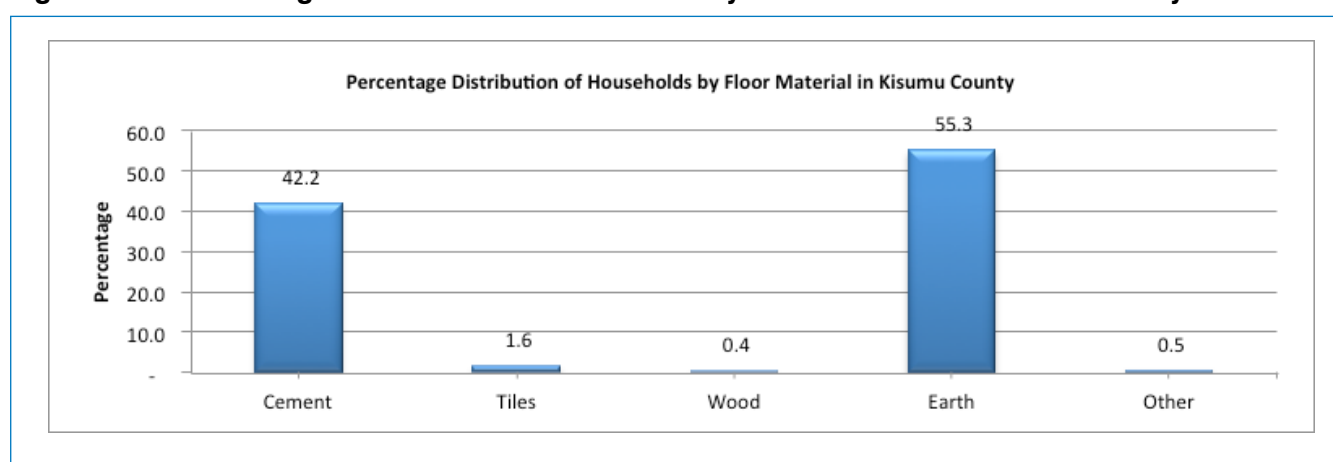
Kisumu Central constituency has the highest level of electricity use at 56%. That is 19 times Seme constituency, which has the lowest level of electricity use. Kisumu Central constituency is 38 percentage points above the county average. Market Milimani ward has the highest level of electricity use at 84%. That is 84 percentage points above Central Nyakach ward which has the lowest level of electricity use. Market Milimani ward is 66 percentage points above the county average.

Housing

Flooring

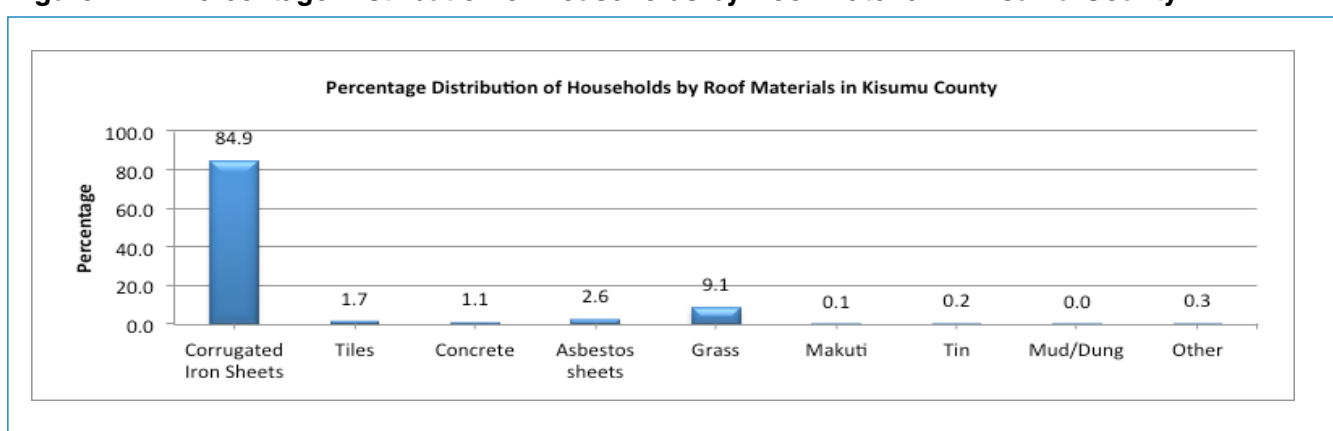
In Kisumu County, 42% of residents have homes with cement floors, while 55% have earth floors. Less than 1% has wood and 2% have tile floors. Kisumu Central constituency has the highest share of cement floors at 81%. That is 63 percentage points above Nyando constituency, which has the lowest share of cement floors. Kisumu Central constituency is 39 percentage points above the county average. Shauri Moyo/Kaloleni ward with the highest share of cement floors at 89%. That is 15 times the Ombeyi ward, which has the lowest share of cement floors. Shauri Moyo/Kaloleni ward is 47 percentage points above the county average.

Figure 17.6: Percentage Distribution of Households by Floor Material in Kisumu County



Roofing

Figure 17.7: Percentage Distribution of Households by Roof Material in Kisumu County



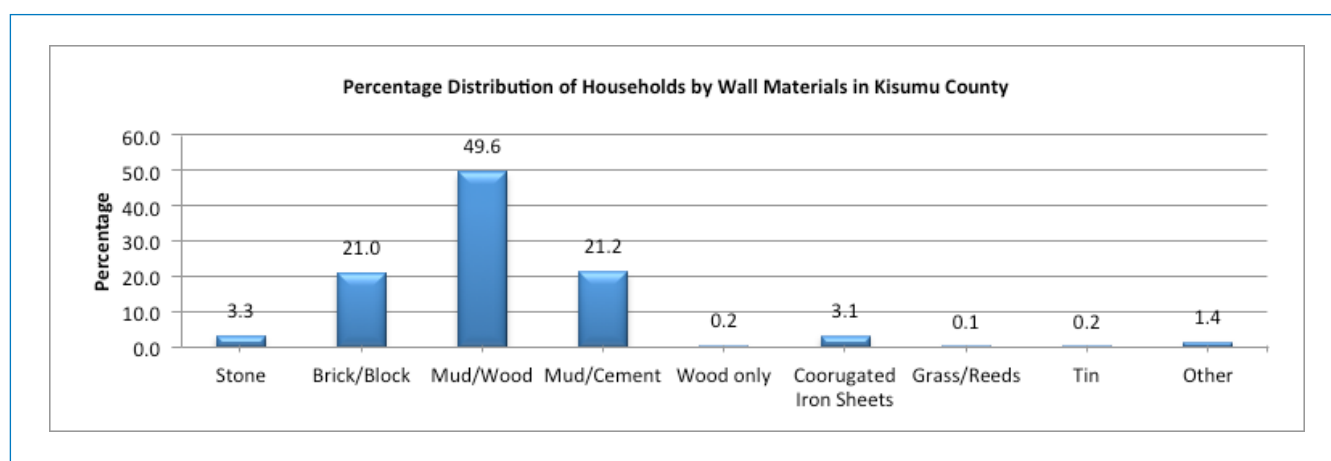
In Kisumu County, 1% of residents have homes with concrete roofs, while 85% have corrugated iron roofs. Grass and makuti roofs constitute 9% of homes, and less than none have mud/dung roofs.

Kisumu East constituency has the highest share of corrugated iron sheet roofs at 95%. That is 21 percentage points above Seme constituency, which has the lowest share of corrugated iron sheet roofs. Kisumu East constituency is 10 percentage points above the county average. Two wards, Manyatta B and Kolwa Central, have the highest share of corrugated iron sheet roofs at 97% each. That is 53 percentage points above Market Milimani ward, which has the lowest share of corrugated iron sheet roofs. Manyatta B and Kolwa Central are 12 percentage points above the county average.

Seme constituency has the highest share of grass/makuti roofs at 25%. That is 25 percentage points above Kisumu Central constituency, which has the lowest share of grass/makuti roofs. Seme constituency is 16 percentage points above the county average. North Seme ward has the highest share of grass/makuti roofs at 27%. This is 27 percentage points above Migosi ward, which has no share of grass/makuti. North Seme ward is 18 percentage points above the county average.

Walls

Figure 17.8: Percentage Distribution of Households by Wall Material in Kisumu County



In Kisumu County, 24% of homes have either brick or stone walls. 71% of homes have mud/wood or mud/cement walls. Less than 1% has wood walls. 3% have corrugated iron walls. Less than 1% has grass/thatched walls, tin or other walls.

Kisumu Central constituency has the highest share of brick/stone walls at 56%. This is six times Seme constituency, which has the lowest share of brick/stone walls. Kisumu Central constituency has 32 percentage points above the county average. Market Milimani ward has the highest share of brick/stone walls at 89%. That is 22 times Ombeyi ward, which has the lowest share of brick/stone walls. Market Milimani is 65 percentage points above the county average.

Seme constituency has the highest share of mud with wood/cement walls at 90%. That is twice Kisumu Central constituency, which has the lowest share of mud with wood/cement. Seme constituency is 19 percentage points above the county average. Two wards, East Kano/Wawidhi and Ombeyi, have the highest share of mud with wood/cement walls at 95% each. That is 24 times Market Milimani ward, which has the lowest share of mud with wood/cement walls. East Kano/Wawidhi and Ombeyi are 24 percentage points above the county average.

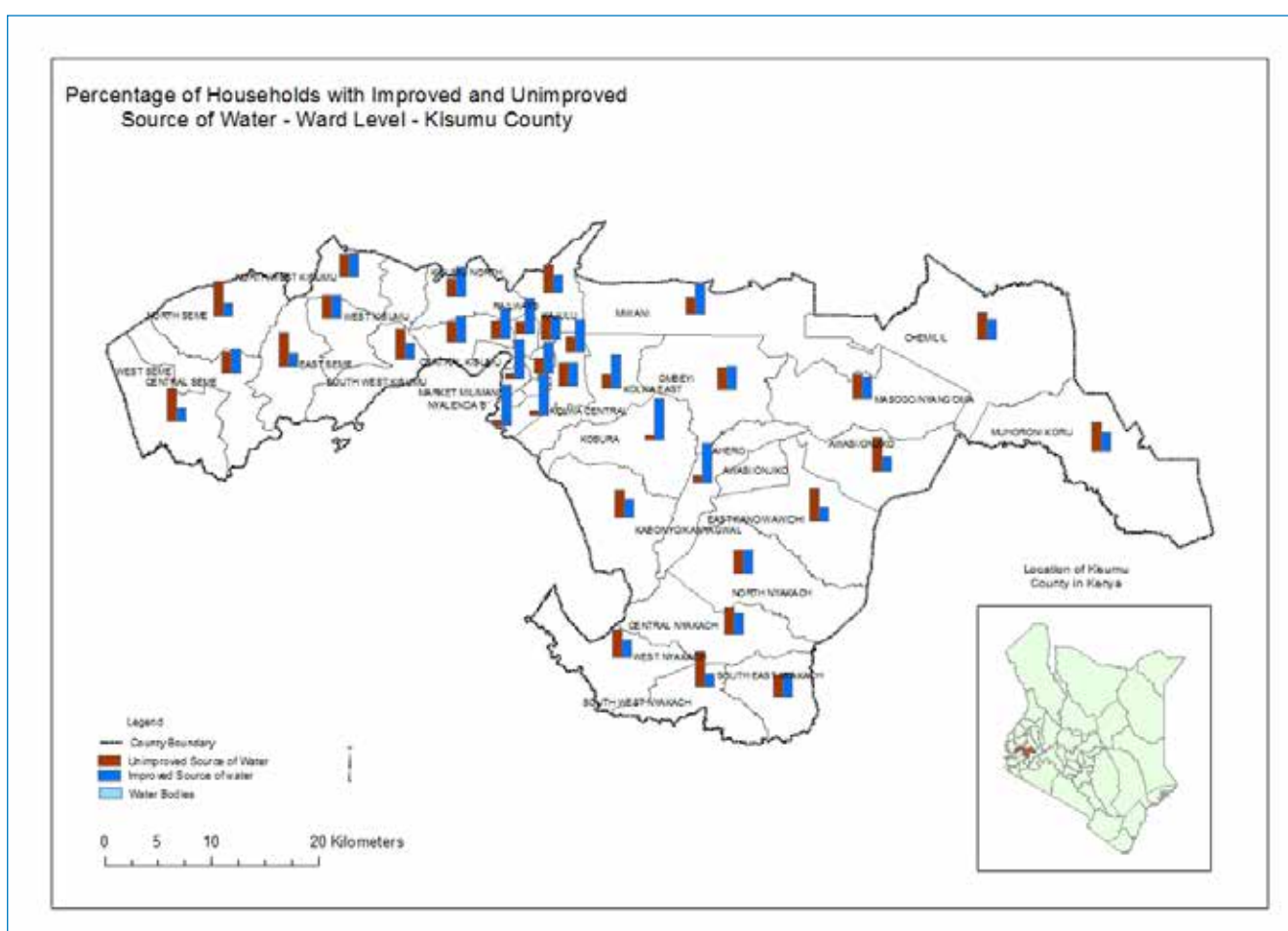
Water

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

In Kisumu County, 54% of residents use improved sources of water, with the rest relying on unimproved sources. Use of improved sources is mostly common in male headed households at 55% as compared with female headed households at 50%.

Kisumu Central constituency has the highest share of residents using improved sources of water at 72%. That is twice Seme constituency, which has the lowest share using improved sources of water. Kisumu Central constituency is 18 percentage points above the county average. Nyalenda A ward has the highest share of residents using improved sources of water at 88%. That is almost 4 times South West Nyakach ward, which has the lowest share using improved sources of water. Nyalenda A ward is 35 percentage points above the county average.

Figure 17.9: Kisumu County-Percentage of Households with Improved and Unimproved Sources of Water by Ward

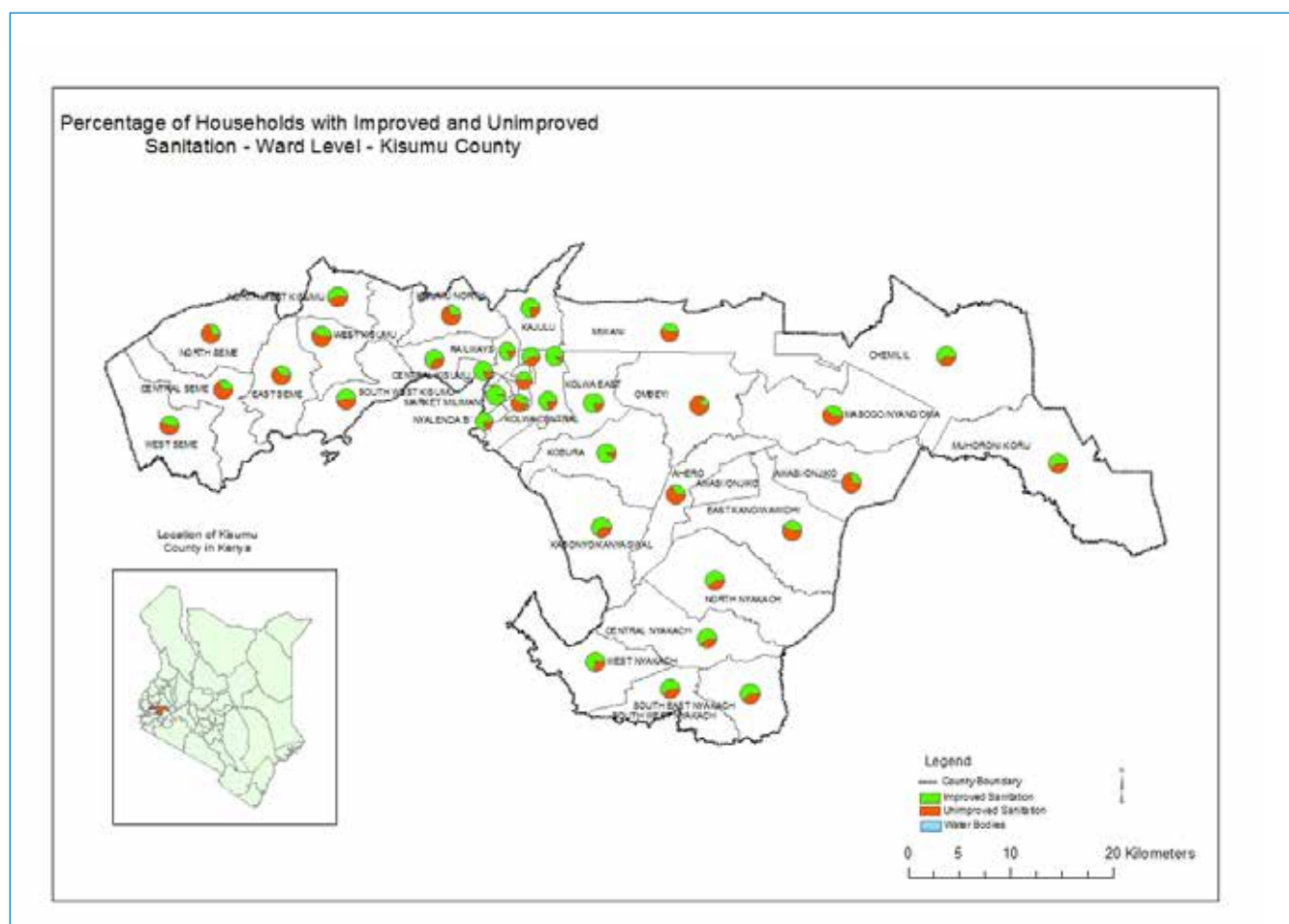


Sanitation

A total of 57% of residents in Kisumu County use improved sanitation, while the rest use unimproved sanitation. Use of improved sanitation is slightly higher in female headed households at 58% as compared with male headed households at 54%.

Kisumu Central constituency has the highest share of residents using improved sanitation at 77%. That is twice Seme constituency, which has the lowest share using improved sanitation. Kisumu Central constituency is 20 percentage points above the county average. Market Milimani ward has the highest share of residents using improved sanitation at 97%. That is almost six times Ombeyi ward, which has the lowest share using improved sanitation. Market Milimani ward is 40 percentage points above the county average.

Figure 17.10: Kisumu County –Percentage of Households with Improved and Unimproved Sanitation by Ward



Kisumu County Annex Tables

17. KISUMU

Table 17.1: Gender, Age group, Demographic Indicators and Households Size by County Constituency and Wards

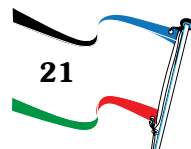
County/Constituency/Wards	Gender			Age group						Demographic indicators					Protion of HH Members:			
	Total Pop	Male	Female	0-5 yrs	0-14 yrs	10-18 yrs	15-34 yrs	15-64 yrs	65+ yrs	sex Ratio	Total dependency Ratio	Child dependency Ratio	aged dependency ratio	0-3	4-6	7+	total	
Kenya	37,919,647	18,787,698	19,131,949	7,035,670	16,346,414	8,293,207	13,329,717	20,249,800	1,323,433	0.982	0.873	0.807	0.065	41.5	38.4	20.1	8,493,380	
Rural	26,075,195	12,869,034	13,206,161	5,059,515	12,024,773	6,134,730	8,303,007	12,984,788	1,065,634	0.974	1.008	0.926	0.082	33.2	41.3	25.4	5,239,879	
Urban	11,844,452	5,918,664	5,925,788	1,976,155	4,321,641	2,158,477	5,026,710	7,265,012	257,799	0.999	0.630	0.595	0.035	54.8	33.7	11.5	3,253,501	
Kisumu County	952,645	463,961	488,684	188,898	418,997	214,988	346,068	502,488	31,160	0.949	0.896	0.834	0.062	42.4	39.7	17.9	221,857	
Kisumu East Constituency	149,391	74,409	74,982	30,393	62,930	30,436	61,143	83,230	3,231	0.992	0.795	0.756	0.039	46.5	38.2	15.3	36907	
Kajulu	40,471	19,615	20,856	8,223	17,513	8,711	15,073	21,722	1,236	0.940	0.863	0.806	0.057	40.8	40.7	18.6	9227	
Kolwa East	21,203	10,264	10,939	4,432	9,716	4,808	7,131	10,688	799	0.938	0.984	0.909	0.075	35.7	41.8	22.5	4508	
Manyatta B	27,894	14,191	13,703	5,788	11,259	5,082	13,047	16,440	195	1.036	0.697	0.685	0.012	53.9	36.1	10.0	7767	
Nyalenda A	28,169	14,754	13,415	5,642	11,126	5,108	12,966	16,764	279	1.100	0.680	0.664	0.017	54.8	33.9	11.3	7869	
Kolwa Central	31,654	15,585	16,069	6,308	13,316	6,727	12,926	17,616	722	0.970	0.797	0.756	0.041	44.0	39.5	16.6	7536	
Kisumu West Constituency	125,957	61,539	64,418	24,954	56,064	28,997	44,294	65,466	4,427	0.955	0.924	0.856	0.068	40.0	40.6	19.4	28474	
South West Kisumu	22,113	10,658	11,455	4,618	10,276	5,148	7,230	10,986	851	0.930	1.013	0.935	0.077	38.3	41.5	20.2	4901	
Central Kisumu	35,154	17,690	17,464	7,074	14,928	7,389	14,051	19,413	813	1.013	0.811	0.769	0.042	46.3	37.1	16.6	8525	
Kisumu North	24,614	11,981	12,633	4,703	10,942	5,801	8,246	12,623	1,049	0.948	0.950	0.867	0.083	35.5	41.9	22.5	5248	
West Kisumu	22,101	10,570	11,531	4,419	10,220	5,399	7,299	11,012	869	0.917	1.007	0.928	0.079	37.8	42.8	19.4	4904	
North West Kisumu	21,975	10,640	11,335	4,140	9,698	5,260	7,468	11,432	845	0.939	0.922	0.848	0.074	37.8	42.1	20.1	4896	

Kisumu Central Constituency	163,661	80,289	83,372	27,598	61,094	33,432	74,517	100,880	1,687	0.963	0.622	0.606	0.017	50.6	36.7	12.7	43062
Railways	34,341	17,436	16,905	6,192	13,000	6,671	15,279	20,919	422	1.031	0.642	0.621	0.020	54.1	34.7	11.2	9465
Migosi	19,564	9,004	10,560	2,837	6,930	4,400	9,244	12,514	120	0.853	0.563	0.554	0.010	44.1	41.1	14.8	4773
Shauri Moyo/Kaleni	14,276	6,746	7,530	1,912	4,798	3,118	6,613	9,257	221	0.896	0.542	0.518	0.024	49.4	34.9	15.7	3564
Market Milimani	15,869	7,897	7,972	2,025	4,825	2,983	7,006	10,728	316	0.991	0.479	0.450	0.029	56.2	31.9	11.9	4418
Kondele	47,392	23,140	24,252	8,624	18,807	9,696	21,824	28,273	312	0.954	0.676	0.665	0.011	49.7	38.2	12.2	12461
Nyalenda B	32,219	16,066	16,153	6,008	12,734	6,564	14,551	19,189	296	0.995	0.679	0.664	0.015	49.5	37.5	13.1	8381
Seme Constituency	98,239	46,095	52,144	19,816	45,524	23,540	29,703	47,486	5,229	0.884	1.069	0.959	0.110	40.9	41.1	18.0	22648
West Seme	28,384	13,253	15,131	5,559	12,974	6,745	8,513	13,729	1,681	0.876	1.067	0.945	0.122	42.6	41.1	16.2	6744
Central Seme	22,936	10,689	12,247	4,762	10,633	5,410	7,328	11,239	1,064	0.873	1.041	0.946	0.095	40.6	41.3	18.1	5268
East Seme	21,658	10,166	11,492	4,494	10,336	5,233	6,404	10,279	1,043	0.885	1.107	1.006	0.101	38.8	42.0	19.1	4845
North Seme	25,261	11,987	13,274	5,001	11,581	6,152	7,458	12,239	1,441	0.903	1.064	0.946	0.118	41.1	40.0	19.0	5791
Nyando Constituency	139,417	66,603	72,814	29,406	66,000	33,662	45,159	67,726	5,691	0.915	1.059	0.975	0.084	36.1	42.1	21.8	29868
East Kano/Wawidhi	17,317	8,238	9,079	3,826	8,528	4,195	5,151	8,022	767	0.907	1.159	1.063	0.096	36.1	42.2	21.7	3722
Awasi/Onjiko	25,864	12,323	13,541	5,579	12,458	6,248	8,326	12,390	1,016	0.910	1.087	1.005	0.082	37.2	42.4	20.4	5665
Ahero	35,256	16,862	18,394	7,192	16,153	8,492	12,431	17,852	1,251	0.917	0.975	0.905	0.070	37.5	41.1	21.4	7657
Kabonyo/Kanyagwal	25,020	12,093	12,927	5,539	12,145	5,860	7,660	11,788	1,087	0.935	1.122	1.030	0.092	34.2	43.0	22.8	5251
Kobura	35,960	17,087	18,873	7,270	16,716	8,867	11,591	17,674	1,570	0.905	1.035	0.946	0.089	35.4	42.1	22.5	7573
Muhoroni Constituency	143,799	72,198	71,601	30,187	65,235	31,800	49,876	74,048	4,516	1.008	0.942	0.881	0.061	40.8	40.3	18.9	32910
Miwani	18,099	9,170	8,929	3,701	8,100	4,020	6,128	9,447	552	1.027	0.916	0.857	0.058	45.1	38.2	16.8	4391
Ombeyi	26,253	12,727	13,526	5,734	12,256	5,992	8,516	12,924	1,073	0.941	1.031	0.948	0.083	34.5	44.7	20.8	5668

Masogo/Nyangoma	32,477	15,725	16,752	7,098	15,373	7,295	10,660	15,868	1,236	0.939	1.047	0.969	0.078	36.4	43.2	20.4	7033
Chemili	32,803	16,785	16,018	6,642	14,617	7,284	11,784	17,271	915	1.048	0.899	0.846	0.053	42.5	39.3	18.3	7653
Muhoroni Koru	34,167	17,791	16,376	7,012	14,889	7,209	12,788	18,538	740	1.086	0.843	0.803	0.040	45.1	36.9	18.0	8165
Nyakach Constituency	132,181	62,828	69,353	26,544	62,150	33,121	41,376	63,652	6,379	0.906	1.077	0.976	0.100	36.4	41.2	22.4	27988
South West Nyakach	17,236	8,040	9,196	3,517	8,282	4,498	5,145	8,098	856	0.874	1.128	1.023	0.106	36.4	40.9	22.7	3674
North Nyakach	31,660	14,938	16,722	6,392	14,987	7,890	9,865	15,134	1,539	0.893	1.092	0.990	0.102	38.1	42.0	19.9	7035
Central Nyakach	26,859	12,692	14,167	5,430	12,687	6,678	8,256	12,863	1,309	0.896	1.088	0.986	0.102	33.5	38.7	27.8	5185
West Nyakach	26,309	12,606	13,703	5,243	12,331	6,589	8,229	12,657	1,321	0.920	1.079	0.974	0.104	39.0	41.3	19.7	5818
South East Nyakach	30,117	14,552	15,565	5,962	13,863	7,466	9,881	14,900	1,354	0.935	1.021	0.930	0.091	34.4	42.5	23.1	6276

Table 17.2: Employment by County, Constituency and Wards

County/Constituency/Wards	Work for pay	Family Business	Family Agricultural Holding	Intern/ Volunteer	Retired/ Homemaker	Fulltime Student	Incapacitated	No work	Number of Individuals
Kenya	23.7	13.1	32.0	1.1	9.2	12.8	0.5	7.7	20,249,800
Rural	15.6	11.2	43.5	1.0	8.8	13.0	0.5	6.3	12,984,788
Urban	38.1	16.4	11.4	1.3	9.9	12.2	0.3	10.2	7,265,012
Kisumu County	25.3	18.8	20.0	1.4	9.6	16.1	0.7	8.2	502,488
Kisumu East Constituency	30.4	23.6	10.6	1.4	11.0	14.3	0.5	8.3	83,230
Kajulu	27.3	19.9	17.2	1.3	9.0	14.3	0.5	10.5	21,722
Kolwa East	25.8	17.6	15.0	1.1	15.3	18.5	1.1	5.6	10,688
Manyatta B	34.8	28.5	5.4	1.4	8.8	12.7	0.1	8.3	16,440
Nyalenda A	34.4	28.0	5.8	1.5	9.2	11.3	0.3	9.5	16,764
Kolwa Central	28.8	23.1	9.2	1.5	14.8	15.9	0.5	6.2	17,616
Kisumu West Constituency	24.2	16.8	24.0	1.5	8.6	15.2	1.0	8.7	65,466
South West Kisumu	19.5	16.1	27.8	2.8	8.2	15.5	0.9	9.3	10,986
Central Kisumu	32.2	22.2	11.5	1.7	8.7	12.5	1.5	10.0	19,413
Kisumu North	21.6	13.6	26.3	1.4	13.2	16.3	1.0	6.5	12,623
West Kisumu	19.3	14.9	31.6	0.8	7.5	16.7	0.8	8.5	11,012
North West Kisumu	22.7	13.4	31.6	1.0	5.0	17.0	0.7	8.6	11,432
Kisumu Central Constituency	37.7	22.3	3.0	1.6	9.5	16.3	0.3	9.4	100,880
Railways	38.9	22.5	3.6	1.3	9.3	13.4	0.4	10.6	20,919
Migosi	41.8	16.5	1.6	1.6	9.2	21.1	0.2	8.0	12,514
Shauri Moyo/Kaloleni	38.6	17.4	4.3	1.6	11.3	17.9	0.3	8.6	9,257
Market Milimani	42.4	16.9	3.3	1.9	9.9	16.2	0.2	9.2	10,728
Kondele	33.6	26.7	2.0	1.6	10.0	16.0	0.2	9.9	28,273
Nyalenda B	36.7	24.7	3.8	1.7	8.1	16.1	0.3	8.7	19,189
Seme Constituency	14.0	13.7	39.0	1.1	8.4	17.0	0.9	5.8	47,486
West Seme	13.0	14.1	39.5	1.7	6.9	16.6	0.9	7.3	13,729
Central Seme	19.2	14.5	31.7	0.7	11.0	18.0	0.9	4.1	11,239
East Seme	12.5	16.2	40.0	0.7	8.8	16.4	1.1	4.3	10,279
North Seme	11.7	10.5	44.4	1.0	7.3	17.2	0.8	7.0	12,239
Nyando Constituency	18.5	19.2	24.2	1.2	10.8	18.2	1.0	6.9	67,726
East Kano/Wawidhi	18.4	18.8	27.4	1.4	9.0	17.4	1.0	6.7	8,022



Awasi/Onjiko	21.8	21.1	25.0	0.8	7.5	16.7	0.9	6.3	12,390
Ahero	20.5	20.7	26.5	1.3	5.2	17.8	0.8	7.3	17,852
Kabonyo/Kanyagwal	13.4	16.2	31.1	1.3	16.3	16.8	1.1	3.9	11,788
Kobura	17.5	18.6	15.3	1.3	16.0	21.0	1.3	9.0	17,674
Muhoroni Constituency	26.3	14.6	28.8	1.3	8.8	13.3	0.7	6.2	74,048
Miwani	27.1	15.8	24.5	1.3	9.2	15.0	0.7	6.4	9,447
Ombeyi	19.6	13.0	46.0	0.8	6.3	9.9	0.6	3.8	12,924
Masogo/Nyangoma	18.4	14.9	26.7	1.7	14.3	15.8	0.8	7.5	15,868
Chemilil	31.0	14.2	28.2	1.5	5.6	13.3	0.6	5.6	17,271
Muhoroni Koru	33.1	15.2	21.2	1.3	8.5	12.6	0.8	7.3	18,538
Nyakach Constituency	14.6	16.9	26.6	1.4	9.2	19.2	1.0	11.1	63,652
South West Nyakach	10.0	9.4	59.2	0.9	2.2	14.8	1.0	2.6	8,098
North Nyakach	15.3	15.5	17.8	1.5	9.1	18.6	1.0	21.2	15,134
Central Nyakach	13.7	21.5	18.2	2.0	14.3	19.6	1.2	9.5	12,863
West Nyakach	19.3	20.4	12.9	1.7	13.1	22.4	1.3	9.0	12,657
South East Nyakach	13.2	15.5	36.7	1.0	5.4	19.2	0.4	8.6	14,900

Table 17.3: Employment and Education Levels by County, Constituency and Wards

County /constituency/ Wards	Education Totallevel	Work for pay	Family Business	Family Agri- cultural Holding	Intern/ Volun- teer	Retired/ Home- maker	Fulltime Student	Inca- paci- tated	No work	Number of Individ- uals
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
Kisumu	Total	25.3	18.8	20.0	1.4	9.6	16.1	0.7	8.2	502,488
Kisumu	None	18.7	19.2	33.8	2.9	12.2	1.3	3.5	8.4	30,848
Kisumu	Primary	20.4	20.2	25.0	1.1	11.4	13.1	0.7	8.1	262,598
Kisumu	Secondary+	32.4	16.9	11.8	1.5	6.9	21.9	0.3	8.3	209,042
Kisumu East Constituency	Total	30.4	23.6	10.6	1.4	11.0	14.3	0.5	8.3	83,230
Kisumu East Constituency	None	23.2	23.1	23.1	3.3	15.3	2.5	2.7	6.8	3,951
Kisumu East Constituency	Primary	26.3	26.0	13.2	1.1	13.8	10.5	0.5	8.8	42,613
Kisumu East Constituency	Secondary+	35.9	20.9	6.3	1.5	7.4	19.9	0.2	8.0	36,666
Kajulu Wards	Total	27.3	19.9	17.2	1.3	9.0	14.3	0.5	10.5	21,722
Kajulu Wards	None	16.9	25.0	34.7	3.2	7.3	1.3	3.2	8.6	1,142
Kajulu Wards	Primary	22.0	22.3	21.5	1.0	10.9	10.6	0.5	11.2	11,656
Kajulu Wards	Secondary+	35.5	16.1	9.3	1.5	6.8	20.9	0.2	9.7	8,924
Kolwa East Wards	Total	25.8	17.6	15.0	1.1	15.3	18.5	1.1	5.6	10,688
Kolwa East Wards	None	20.6	18.4	28.7	0.9	19.8	1.8	5.4	4.5	686
Kolwa East Wards	Primary	25.4	19.1	16.1	0.9	16.6	15.5	0.8	5.5	6,984
Kolwa East Wards	Secondary+	27.8	13.8	9.2	1.6	11.3	29.3	0.7	6.3	3,018
Manyatta B Wards	Total	34.8	28.5	5.4	1.4	8.8	12.7	0.1	8.3	16,440
Manyatta B Wards	None	34.2	30.3	8.3	5.8	8.8	4.2	0.7	7.9	433
Manyatta B Wards	Primary	30.4	33.1	6.5	1.3	12.4	7.1	0.1	9.1	7,245
Manyatta B Wards	Secondary+	38.5	24.7	4.4	1.2	5.8	17.7	0.0	7.6	8,762
Nyalenda A Wards	Total	34.4	28.0	5.8	1.5	9.2	11.3	0.3	9.5	16,764
Nyalenda A Wards	None	27.6	25.8	13.3	4.6	14.3	5.6	1.8	6.9	608
Nyalenda A Wards	Primary	31.0	30.9	7.0	1.2	11.8	7.2	0.3	10.6	8,023
Nyalenda A Wards	Secondary+	38.3	25.2	4.1	1.6	6.2	15.7	0.2	8.7	8,133
Kolwa Central Wards	Total	28.8	23.1	9.2	1.5	14.8	15.9	0.5	6.2	17,616
Kolwa Central Wards	None	24.6	19.6	18.8	3.3	24.0	1.9	1.9	5.8	1,082
Kolwa Central Wards	Primary	24.7	26.0	11.0	1.1	18.3	12.2	0.5	6.2	8,705
Kolwa Central Wards	Secondary+	34.0	20.5	5.9	1.7	9.8	21.8	0.2	6.2	7,829
Kisumu West Constituency	Total	24.2	16.8	24.0	1.5	8.6	15.2	1.0	8.7	65,466

Kisumu West Constituency	None	18.4	20.0	32.5	3.2	10.8	1.0	4.4	9.7	4,440
Kisumu West Constituency	Primary	20.6	18.1	27.4	1.3	9.9	12.8	1.0	8.8	36,929
Kisumu West Constituency	Secondary+	30.8	14.0	17.1	1.5	6.3	21.4	0.5	8.4	24,097
South West Kisumu Wards	Total	19.5	16.1	27.8	2.8	8.2	15.5	0.9	9.3	10,986
South West Kisumu Wards	None	15.4	15.5	35.0	4.6	12.0	0.5	4.2	12.7	1,017
South West Kisumu Wards	Primary	18.4	17.2	29.5	2.6	8.5	13.7	0.7	9.3	7,072
South West Kisumu Wards	Secondary+	23.3	13.7	20.9	2.4	6.0	25.2	0.4	8.1	2,897
Central Kisumu Wards	Total	32.2	22.2	11.5	1.7	8.7	12.5	1.5	10.0	19,413
Central Kisumu Wards	None	26.5	31.8	11.4	3.6	7.6	1.6	4.6	13.1	1,297
Central Kisumu Wards	Primary	27.2	24.4	13.1	1.5	10.7	11.1	1.6	10.6	10,572
Central Kisumu Wards	Secondary+	40.1	17.5	9.2	1.6	6.0	16.3	0.7	8.6	7,544
Kisumu North Wards	Total	21.6	13.6	26.3	1.4	13.2	16.3	1.0	6.5	12,623
Kisumu North Wards	None	15.9	12.7	39.3	3.2	19.2	0.6	5.6	3.6	788
Kisumu North Wards	Primary	19.9	14.2	29.1	1.0	15.3	13.0	0.9	6.7	6,791
Kisumu North Wards	Secondary+	24.9	13.0	20.4	1.6	9.5	23.2	0.5	6.9	5,044
West Kisumu Wards	Total	19.3	14.9	31.6	0.8	7.5	16.7	0.8	8.5	11,012
West Kisumu Wards	None	14.9	16.0	45.4	1.6	10.2	1.6	2.9	7.6	807
West Kisumu Wards	Primary	16.4	16.4	35.6	0.5	8.0	14.1	0.6	8.5	6,637
West Kisumu Wards	Secondary+	25.8	11.7	21.2	1.0	5.9	24.9	0.6	8.8	3,568
North West Kisumu Wards	Total	22.7	13.4	31.6	1.0	5.0	17.0	0.7	8.6	11,432
North West Kisumu Wards	None	13.2	16.8	49.7	2.3	4.9	0.4	4.5	8.3	531
North West Kisumu Wards	Primary	17.0	14.6	39.6	0.8	6.0	13.5	0.8	7.9	5,857
North West Kisumu Wards	Secondary+	30.4	11.7	20.4	1.1	3.9	22.7	0.3	9.5	5,044
Kisumu Central Constituency	Total	37.7	22.3	3.0	1.6	9.5	16.3	0.3	9.4	100,880
Kisumu Central Constituency	None	33.7	26.1	6.1	3.8	14.7	2.8	1.9	11.0	3,160
Kisumu Central Constituency	Primary	31.3	28.2	3.8	1.3	14.3	10.0	0.3	10.8	31,301
Kisumu Central Constituency	Secondary+	40.9	19.4	2.4	1.6	7.0	19.9	0.2	8.6	66,419
Railways Wards	Total	38.9	22.5	3.6	1.3	9.3	13.4	0.4	10.6	20,919
Railways Wards	None	36.5	24.6	7.1	3.6	13.5	1.9	2.3	10.6	801
Railways Wards	Primary	34.2	27.1	4.4	0.9	13.2	7.6	0.3	12.3	8,123
Railways Wards	Secondary+	42.2	19.3	2.9	1.4	6.3	18.1	0.4	9.5	11,995

Migosi Wards	Total	41.8	16.5	1.6	1.6	9.2	21.1	0.2	8.0	12,514
Migosi Wards	None	39.9	18.8	4.6	5.4	16.1	2.7	1.9	10.7	261
Migosi Wards	Primary	35.5	19.0	2.8	1.3	16.6	14.7	0.2	9.9	2,496
Migosi Wards	Secondary+	43.5	15.7	1.2	1.6	7.2	23.3	0.1	7.5	9,757
Shauri Moyo/Kaloleni Wards	Total	38.6	17.4	4.3	1.6	11.3	17.9	0.3	8.6	9,257
Shauri Moyo/Kaloleni Wards	None	32.5	24.9	5.4	3.4	24.6	1.4	1.7	6.2	354
Shauri Moyo/Kaloleni Wards	Primary	27.9	21.8	6.7	1.6	19.5	12.7	0.4	9.6	1,916
Shauri Moyo/Kaloleni Wards	Secondary+	41.8	15.8	3.6	1.6	8.4	20.2	0.2	8.4	6,987
Market Milimani Wards	Total	42.4	16.9	3.3	1.9	9.9	16.2	0.2	9.2	10,728
Market Milimani Wards	None	33.2	16.1	7.2	6.2	19.2	1.7	3.1	13.4	292
Market Milimani Wards	Primary	39.1	18.3	4.9	1.7	14.8	9.1	0.3	11.9	1,916
Market Milimani Wards	Secondary+	43.5	16.6	2.8	1.9	8.4	18.3	0.1	8.4	8,520
Kondele Wards	Total	33.6	26.7	2.0	1.6	10.0	16.0	0.2	9.9	28,273
Kondele Wards	None	29.2	28.8	5.3	3.7	15.0	3.7	1.2	12.9	805
Kondele Wards	Primary	26.3	33.4	2.0	1.3	15.8	10.2	0.3	10.6	9,320
Kondele Wards	Secondary+	37.6	23.2	1.8	1.6	6.8	19.5	0.1	9.4	18,148
Nyalenda B Wards	Total	36.7	24.7	3.8	1.7	8.1	16.1	0.3	8.7	19,189
Nyalenda B Wards	None	34.3	32.6	6.5	2.8	7.7	3.9	1.7	10.5	647
Nyalenda B Wards	Primary	31.8	30.1	4.9	1.4	11.3	10.4	0.4	9.8	7,530
Nyalenda B Wards	Secondary+	40.2	20.6	3.0	1.8	5.8	20.8	0.2	7.8	11,012
Seme Constituency	Total	14.0	13.7	39.0	1.1	8.4	17.0	0.9	5.8	47,486
Seme Constituency	None	10.2	13.5	52.3	2.3	10.9	0.5	3.6	6.7	4,250
Seme Constituency	Primary	12.3	14.7	42.0	0.8	8.7	15.3	0.8	5.4	30,586
Seme Constituency	Secondary+	19.5	11.5	27.4	1.3	6.7	26.7	0.4	6.4	12,650
West Seme Wards	Total	13.0	14.1	39.5	1.7	6.9	16.6	0.9	7.3	13,729
West Seme Wards	None	10.0	11.9	51.2	4.4	6.8	0.7	4.0	11.1	1,212
West Seme Wards	Primary	11.5	15.2	42.1	1.3	7.6	15.1	0.7	6.5	8,754
West Seme Wards	Secondary+	17.7	12.4	29.7	1.6	5.2	25.2	0.5	7.8	3,763
Central Seme Wards	Total	19.2	14.5	31.7	0.7	11.0	18.0	0.9	4.1	11,239
Central Seme Wards	None	15.0	16.7	48.3	0.9	13.2	0.4	2.5	3.1	1,021
Central Seme Wards	Primary	17.2	15.2	34.4	0.6	11.9	16.2	0.8	3.7	6,981

Central Seme Wards	Secondary+	24.8	12.2	20.6	1.0	8.4	27.5	0.4	5.1	3,237
East Seme Wards	Total	12.5	16.2	40.0	0.7	8.8	16.4	1.1	4.3	10,279
East Seme Wards	None	9.0	16.3	48.8	1.3	15.6	0.4	4.3	4.4	989
East Seme Wards	Primary	11.2	17.5	43.0	0.5	8.5	14.4	0.9	4.1	6,850
East Seme Wards	Secondary+	17.6	12.5	28.0	1.0	6.8	28.7	0.5	4.9	2,440
North Seme Wards	Total	11.7	10.5	44.4	1.0	7.3	17.2	0.8	7.0	12,239
North Seme Wards	None	7.0	9.4	60.9	2.3	8.9	0.6	3.4	7.5	1,028
North Seme Wards	Primary	9.9	11.2	47.6	0.7	7.4	15.6	0.7	6.8	8,001
North Seme Wards	Secondary+	17.8	9.0	31.2	1.3	6.7	26.4	0.3	7.4	3,210
Nyando Constituency	Total	18.5	19.2	24.2	1.2	10.8	18.2	1.0	6.9	67,726
Nyando Constituency	None	15.6	21.4	34.4	2.3	12.8	1.0	4.2	8.4	5,042
Nyando Constituency	Primary	15.9	20.5	27.1	1.0	12.1	16.2	0.9	6.4	40,983
Nyando Constituency	Secondary+	24.0	16.2	16.5	1.4	8.0	25.9	0.5	7.5	21,701
East Kano/Wawidhi Wards	Total	18.4	18.8	27.4	1.4	9.0	17.4	1.0	6.7	8,022
East Kano/Wawidhi Wards	None	19.6	20.2	34.9	3.1	10.0	0.9	4.4	7.0	754
East Kano/Wawidhi Wards	Primary	16.9	20.1	28.5	1.0	9.6	16.0	0.8	7.2	5,397
East Kano/Wawidhi Wards	Secondary+	22.3	14.3	21.2	1.8	6.8	28.1	0.4	5.2	1,871
Awasi/Onjiko Wards	Total	21.8	21.1	25.0	0.8	7.5	16.7	0.9	6.3	12,390
Awasi/Onjiko Wards	None	18.3	23.7	35.4	1.7	8.9	0.7	4.4	6.8	906
Awasi/Onjiko Wards	Primary	19.6	22.1	27.3	0.6	8.3	15.5	0.7	6.0	7,859
Awasi/Onjiko Wards	Secondary+	27.4	18.1	17.6	1.2	5.4	23.3	0.4	6.7	3,625
Ahero Wards	Total	20.5	20.7	26.5	1.3	5.2	17.8	0.8	7.3	17,852
Ahero Wards	None	15.4	21.0	38.2	2.7	6.1	1.0	3.2	12.4	1,110
Ahero Wards	Primary	16.7	22.2	32.0	1.1	6.1	14.9	0.7	6.4	9,954
Ahero Wards	Secondary+	26.8	18.5	16.5	1.4	3.9	24.7	0.6	7.7	6,788
Kabonyo/Kanyagwal Wards	Total	13.4	16.2	31.1	1.3	16.3	16.8	1.1	3.9	11,788
Kabonyo/Kanyagwal Wards	None	13.2	16.4	44.2	2.2	14.5	1.6	4.8	3.1	834
Kabonyo/Kanyagwal Wards	Primary	11.3	17.2	33.0	1.1	17.5	15.8	0.9	3.2	7,708
Kabonyo/Kanyagwal Wards	Secondary+	18.2	13.9	23.4	1.5	13.9	23.0	0.5	5.5	3,246
Kobura Wards	Total	17.5	18.6	15.3	1.3	16.0	21.0	1.3	9.0	17,674
Kobura Wards	None	13.1	23.7	24.9	2.2	20.7	1.0	4.2	10.2	1,438

Kobura Wards	Primary	15.2	20.4	16.8	1.1	18.2	18.4	1.2	8.6	10,065
Kobura Wards	Secondary+	22.3	14.5	10.7	1.5	11.3	29.7	0.7	9.4	6,171
Muhoroni Constituency	Total	26.3	14.6	28.8	1.3	8.8	13.3	0.7	6.2	74,048
Muhoroni Constituency	None	22.2	14.7	40.6	2.6	10.0	0.8	2.9	6.2	5,675
Muhoroni Constituency	Primary	23.5	15.0	32.1	1.1	10.1	11.9	0.6	5.8	44,141
Muhoroni Constituency	Secondary+	32.6	13.8	19.9	1.5	6.1	18.8	0.4	7.0	24,232
Miwani Wards	Total	27.1	15.8	24.5	1.3	9.2	15.0	0.7	6.4	9,447
Miwani Wards	None	25.3	14.5	36.4	1.8	13.0	0.8	2.8	5.4	668
Miwani Wards	Primary	23.5	17.1	28.2	1.0	10.3	13.4	0.6	5.9	5,493
Miwani Wards	Secondary+	33.5	13.9	15.9	1.7	6.6	20.5	0.5	7.5	3,286
Ombeyi Wards	Total	19.6	13.0	46.0	0.8	6.3	9.9	0.6	3.8	12,924
Ombeyi Wards	None	20.1	12.9	53.3	2.4	4.5	0.2	2.0	4.5	1,277
Ombeyi Wards	Primary	19.1	13.2	47.4	0.5	6.8	9.1	0.5	3.5	8,935
Ombeyi Wards	Secondary+	21.1	12.4	37.9	1.1	5.6	17.3	0.2	4.4	2,712
Masogo/Nyangoma Wards	Total	18.4	14.9	26.7	1.7	14.3	15.8	0.8	7.5	15,868
Masogo/Nyangoma Wards	None	15.9	15.0	36.2	3.1	18.3	0.5	3.1	7.8	1,683
Masogo/Nyangoma Wards	Primary	17.6	15.0	28.5	1.4	15.6	14.1	0.5	7.3	10,600
Masogo/Nyangoma Wards	Secondary+	21.8	14.5	16.9	1.9	8.6	28.0	0.4	8.0	3,585
Chemilil Wards	Total	31.0	14.2	28.2	1.5	5.6	13.3	0.6	5.6	17,271
Chemilil Wards	None	28.3	17.0	38.1	3.2	5.0	1.2	3.3	3.9	932
Chemilil Wards	Primary	27.6	14.7	31.8	1.2	6.5	12.5	0.5	5.1	9,328
Chemilil Wards	Secondary+	35.9	13.3	22.1	1.6	4.5	15.9	0.3	6.4	7,011
Muhoroni Koru Wards	Total	33.1	15.2	21.2	1.3	8.5	12.6	0.8	7.3	18,538
Muhoroni Koru Wards	None	27.0	14.6	37.4	2.1	6.3	1.5	3.1	8.0	1,115
Muhoroni Koru Wards	Primary	29.8	15.9	24.4	1.2	10.6	10.5	0.8	6.9	9,785
Muhoroni Koru Wards	Secondary+	38.2	14.4	14.6	1.3	6.2	17.1	0.5	7.6	7,638
Nyakach Constituency	Total	14.6	16.9	26.6	1.4	9.2	19.2	1.0	11.1	63,652
Nyakach Constituency	None	11.6	18.8	37.2	2.8	12.8	0.9	4.5	11.5	4,330
Nyakach Constituency	Primary	12.1	19.2	29.5	1.2	10.5	15.5	0.8	11.1	36,045
Nyakach Constituency	Secondary+	19.1	12.9	20.1	1.5	6.5	28.3	0.5	11.1	23,277
South West Nyakach Wards	Total	10.0	9.4	59.2	0.9	2.2	14.8	1.0	2.6	8,098

South West Nyakach Wards	None	7.8	7.0	75.6	1.5	1.6	0.2	4.7	1.8	619
South West Nyakach Wards	Primary	7.3	10.4	63.4	0.9	2.6	12.4	0.7	2.3	4,545
South West Nyakach Wards	Secondary+	14.8	8.3	49.2	0.8	1.8	21.4	0.7	3.1	2,934
North Nyakach Wards	Total	15.3	15.5	17.8	1.5	9.1	18.6	1.0	21.2	15,134
North Nyakach Wards	None	13.8	16.9	23.1	2.0	14.7	1.1	4.5	23.8	1,081
North Nyakach Wards	Primary	13.4	16.6	20.2	1.3	10.2	16.1	0.9	21.3	8,743
North Nyakach Wards	Secondary+	18.7	13.4	12.8	1.7	6.1	26.2	0.6	20.5	5,310
Central Nyakach Wards	Total	13.7	21.5	18.2	2.0	14.3	19.6	1.2	9.5	12,863
Central Nyakach Wards	None	8.9	24.8	26.5	3.2	20.7	0.9	5.2	9.7	864
Central Nyakach Wards	Primary	11.7	24.3	19.8	1.8	15.5	16.0	1.0	9.9	7,727
Central Nyakach Wards	Secondary+	18.5	15.7	13.6	2.1	10.8	29.9	0.7	8.8	4,272
West Nyakach Wards	Total	19.3	20.4	12.9	1.7	13.1	22.4	1.3	9.0	12,657
West Nyakach Wards	None	15.5	25.6	22.5	4.6	17.0	0.6	5.9	8.3	932
West Nyakach Wards	Primary	16.2	24.4	15.0	1.4	15.6	17.6	1.2	8.7	6,983
West Nyakach Wards	Secondary+	24.5	13.4	8.0	1.6	8.6	33.7	0.5	9.7	4,742
South East Nyakach Wards	Total	13.2	15.5	36.7	1.0	5.4	19.2	0.4	8.6	14,900
South East Nyakach Wards	None	10.0	16.1	54.3	2.4	5.9	1.4	1.9	8.0	834
South East Nyakach Wards	Primary	10.3	17.8	42.4	0.8	6.0	14.4	0.4	8.0	8,047
South East Nyakach Wards	Secondary+	17.6	12.4	26.7	1.1	4.6	28.0	0.3	9.4	6,019

Table 17.4: Employment and Education Levels in Male Headed Household by County, Constituency and Wards

County, Constituency and Wards	Education Level reached	Work for Pay	Family Business	Family Agricultural holding	Internal/ Volunteer	Retired/ Home-maker	Fulltime Student	Incapacitated	No work	Population (15-64)
Kenya National	Total	25.5	13.5	31.6	1.1	9.0	11.4	0.4	7.5	14,757,992
Kenya National	None	11.4	14.3	44.2	1.6	13.9	0.9	1.0	12.6	2,183,284
Kenya National	Primary	22.2	12.9	37.3	0.8	9.4	10.6	0.4	6.4	6,939,667
Kenya National	Secondary+	35.0	13.8	19.8	1.1	6.5	16.5	0.2	7.0	5,635,041
Rural Rural	Total	16.8	11.6	43.9	1.0	8.3	11.7	0.5	6.3	9,262,744
Rural Rural	None	8.6	14.1	49.8	1.4	13.0	0.8	1.0	11.4	1,823,487
Rural Rural	Primary	16.5	11.2	46.7	0.8	8.0	11.6	0.4	4.9	4,862,291
Rural Rural	Secondary+	23.1	10.6	34.7	1.0	5.5	19.6	0.2	5.3	2,576,966

Urban Urban	Total	40.2	16.6	10.9	1.3	10.1	10.9	0.3	9.7	5,495,248
Urban Urban	None	25.8	15.5	16.1	3.0	18.2	1.4	1.3	18.7	359,797
Urban Urban	Primary	35.6	16.9	15.4	1.0	12.8	8.1	0.3	9.9	2,077,376
Urban Urban	Second-ary+	45.1	16.6	7.3	1.2	7.4	13.8	0.1	8.5	3,058,075
Kisumu	Total	28.5	19.0	19.1	1.3	9.7	14.0	0.6	7.9	346,875
Kisumu	None	22.1	17.7	32.1	2.9	12.0	1.6	2.9	8.8	16,332
Kisumu	Primary	22.9	20.3	24.4	1.1	11.8	11.1	0.6	7.8	181,142
Kisumu	Second-ary+	36.0	17.6	11.3	1.5	6.9	18.7	0.3	7.8	149,401
Kisumu East Constituency	Total	33.1	23.9	9.8	1.3	11.4	12.2	0.3	8.1	62,867
Kisumu East Constituency	None	27.3	20.3	20.1	3.8	16.3	3.3	2.0	7.0	2,325
Kisumu East Constituency	Primary	28.4	26.1	12.3	1.0	14.6	8.6	0.4	8.6	32,118
Kisumu East Constituency	Second-ary+	38.8	21.7	6.1	1.4	7.4	16.9	0.2	7.5	28,424
Kajulu Ward	Total	30.5	19.7	15.9	1.3	9.5	12.5	0.5	10.1	15,497
Kajulu Ward	None	20.2	22.9	32.4	3.8	6.7	1.7	3.4	8.9	584
Kajulu Ward	Primary	24.3	21.9	20.6	0.9	11.9	8.9	0.5	11.0	8,283
Kajulu Ward	Second-ary+	39.0	16.8	8.6	1.5	6.8	17.9	0.2	9.2	6,630
Kolwa East Ward	Total	28.9	17.7	14.7	1.0	16.1	15.6	0.8	5.1	7,330
Kolwa East Ward	None	24.6	15.6	26.9	1.1	20.4	2.0	3.7	5.7	353
Kolwa East Ward	Primary	27.9	19.1	15.9	0.8	17.9	12.5	0.8	5.0	4,883
Kolwa East Ward	Second-ary+	32.0	14.6	9.7	1.6	11.3	25.0	0.5	5.2	2,094
Manyatta B Ward	Total	36.7	28.6	5.2	1.3	9.1	10.5	0.1	8.5	13,234
Manyatta B Ward	None	39.1	27.2	7.3	5.3	9.3	4.6	-	7.3	302
Manyatta B Ward	Primary	31.8	32.8	6.0	1.2	13.1	5.5	0.1	9.4	5,953
Manyatta B Ward	Second-ary+	40.8	25.1	4.4	1.1	5.8	15.0	0.0	7.7	6,979
Nyalenda A Ward	Total	36.5	27.7	5.9	1.4	9.5	9.8	0.2	9.1	13,435
Nyalenda A Ward	None	28.2	20.9	14.9	5.8	16.1	7.1	0.8	6.3	397
Nyalenda A Ward	Primary	32.6	30.4	6.9	1.1	12.3	6.1	0.2	10.3	6,423
Nyalenda A Ward	Second-ary+	40.7	25.5	4.3	1.4	6.3	13.5	0.1	8.1	6,615
Kolwa Central Ward	Total	31.3	23.5	8.5	1.4	15.2	14.0	0.4	5.8	13,371
Kolwa Central Ward	None	28.9	17.0	14.9	3.3	25.5	2.5	1.5	6.4	689
Kolwa Central Ward	Primary	26.6	26.3	10.2	1.1	19.0	10.6	0.4	5.8	6,576

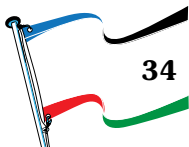
Kolwa Central Ward	Second-ary+	36.6	21.3	5.8	1.6	9.9	19.0	0.2	5.6	6,106
Kisumu West Constituency	Total	27.5	16.6	23.0	1.4	8.6	13.5	0.8	8.5	44,939
Kisumu West Constituency	None	23.2	17.9	30.6	3.3	9.3	1.4	3.6	10.7	2,415
Kisumu West Constituency	Primary	23.2	18.1	26.5	1.2	10.1	11.4	0.8	8.6	25,530
Kisumu West Constituency	Second-ary+	34.6	14.1	16.7	1.4	6.3	18.5	0.4	8.0	16,994
South West Kisumu Ward	Total	22.5	15.8	27.3	2.6	7.9	14.3	0.7	8.9	7,330
South West Kisumu Ward	None	20.5	13.8	32.8	4.2	10.8	0.4	4.0	13.6	528
South West Kisumu Ward	Primary	20.9	16.9	29.4	2.6	8.4	12.4	0.5	9.0	4,832
South West Kisumu Ward	Second-ary+	27.1	13.6	20.8	2.1	5.9	22.8	0.3	7.4	1,970
Central Kisumu Ward	Total	36.1	21.4	10.5	1.6	8.9	10.7	1.2	9.5	14,355
Central Kisumu Ward	None	31.7	26.3	10.2	4.2	6.9	2.1	3.3	15.4	814
Central Kisumu Ward	Primary	30.3	24.0	12.0	1.4	11.1	9.7	1.5	10.1	7,824
Central Kisumu Ward	Second-ary+	44.7	17.2	8.6	1.6	6.2	13.3	0.6	7.9	5,717
Kisumu North Ward	Total	24.4	13.1	26.0	1.1	13.0	14.9	0.9	6.7	8,293
Kisumu North Ward	None	20.0	11.8	41.8	2.6	15.1	1.0	5.1	2.6	390
Kisumu North Ward	Primary	22.3	13.3	29.1	0.6	15.4	11.6	0.8	6.9	4,475
Kisumu North Ward	Second-ary+	27.6	13.0	20.2	1.5	9.5	20.7	0.5	6.9	3,428
West Kisumu Ward	Total	22.0	15.3	30.9	0.8	7.8	14.2	0.6	8.4	7,216
West Kisumu Ward	None	18.4	14.3	44.0	2.0	9.6	2.2	2.7	6.9	407
West Kisumu Ward	Primary	18.3	16.9	35.2	0.6	8.5	11.8	0.5	8.3	4,381
West Kisumu Ward	Second-ary+	29.5	12.6	21.1	0.9	6.2	20.4	0.4	8.9	2,428
North West Kisumu Ward	Total	24.7	13.3	31.5	0.9	4.9	16.0	0.5	8.2	7,745
North West Kisumu Ward	None	14.9	15.2	50.7	2.2	5.1	0.4	3.3	8.3	276
North West Kisumu Ward	Primary	18.7	14.9	39.0	0.7	5.9	12.7	0.5	7.7	4,018
North West Kisumu Ward	Second-ary+	32.5	11.4	21.1	1.1	3.7	21.1	0.3	8.8	3,451
Kisumu Central Constituency	Total	40.0	22.7	3.0	1.5	9.8	14.0	0.2	8.9	75,039
Kisumu Central Constituency	None	36.8	23.1	6.2	3.3	13.9	3.0	1.5	12.1	2,008
Kisumu Central Constituency	Primary	33.3	28.1	3.6	1.2	14.8	8.4	0.2	10.3	23,904
Kisumu Central Constituency	Second-ary+	43.4	20.1	2.5	1.6	7.2	17.2	0.1	8.0	49,127
Railways Ward	Total	41.1	22.7	3.5	1.2	9.7	11.2	0.3	10.2	16,093
Railways Ward	None	40.7	21.2	6.7	2.0	14.5	2.0	1.8	11.0	491

Railways Ward	Primary	36.3	26.5	4.2	0.9	13.9	6.0	0.3	12.0	6,430
Railways Ward	Second-ary+	44.4	20.2	2.9	1.3	6.6	15.4	0.3	8.9	9,172
Migosi Ward	Total	44.8	16.7	1.4	1.5	9.1	18.8	0.1	7.6	8,888
Migosi Ward	None	44.5	19.4	6.5	3.2	13.5	2.6	0.6	9.7	155
Migosi Ward	Primary	38.2	18.9	1.9	1.6	16.4	12.9	-	10.1	1,778
Migosi Ward	Second-ary+	46.4	16.1	1.2	1.5	7.2	20.7	0.1	6.9	6,955
Shauri Moyo/Kaloleni Ward	Total	41.7	17.8	4.4	1.7	11.2	15.4	0.2	7.7	6,250
Shauri Moyo/Kaloleni Ward	None	37.7	24.1	5.3	3.5	20.6	1.8	1.3	5.7	228
Shauri Moyo/Kaloleni Ward	Primary	30.7	21.5	6.3	1.7	19.8	11.8	0.2	8.1	1,298
Shauri Moyo/Kaloleni Ward	Second-ary+	44.9	16.4	3.8	1.6	8.3	17.1	0.1	7.7	4,724
Market Milimani Ward	Total	45.1	16.9	3.4	1.8	10.6	13.8	0.2	8.2	7,741
Market Milimani Ward	None	33.2	12.5	7.7	6.3	19.2	2.4	3.4	15.4	208
Market Milimani Ward	Primary	43.4	16.4	4.5	1.7	15.5	7.9	0.3	10.3	1,368
Market Milimani Ward	Second-ary+	45.9	17.1	3.0	1.6	9.3	15.5	0.1	7.5	6,165
Kondele Ward	Total	35.6	27.2	2.0	1.5	10.5	13.6	0.2	9.4	21,329
Kondele Ward	None	29.9	26.6	5.6	4.4	13.7	3.9	1.4	14.5	518
Kondele Ward	Primary	27.8	33.6	2.0	1.2	16.9	8.2	0.2	10.1	7,142
Kondele Ward	Second-ary+	39.9	23.9	1.9	1.6	7.0	16.8	0.1	8.8	13,669
Nyalenda B Ward	Total	38.8	25.1	3.9	1.5	8.2	14.0	0.2	8.2	14,738
Nyalenda B Ward	None	39.2	27.0	6.1	2.0	7.4	4.2	1.0	13.2	408
Nyalenda B Ward	Primary	33.4	30.1	4.8	1.1	11.6	9.1	0.3	9.4	5,888
Nyalenda B Ward	Second-ary+	42.6	21.5	3.1	1.8	5.8	17.9	0.1	7.1	8,442
Seme Constituency	Total	16.2	13.6	39.4	1.0	8.3	15.0	0.8	5.7	28,796
Seme Constituency	None	10.7	12.8	52.4	2.1	11.2	0.6	3.2	7.0	2,118
Seme Constituency	Primary	14.0	14.3	42.7	0.8	8.7	13.4	0.7	5.4	18,733
Seme Constituency	Second-ary+	22.8	12.0	28.0	1.3	6.6	22.8	0.3	6.2	7,945
West Seme Ward	Total	15.7	13.8	39.6	1.6	6.9	14.1	0.8	7.5	8,205
West Seme Ward	None	11.2	10.0	51.4	4.3	6.8	0.9	3.1	12.4	588
West Seme Ward	Primary	13.7	14.3	42.6	1.3	7.6	13.0	0.7	6.8	5,235
West Seme Ward	Second-ary+	21.4	13.5	29.9	1.6	5.4	20.0	0.4	7.8	2,382
Central Seme Ward	Total	21.6	14.7	31.6	0.7	11.0	15.9	0.8	3.9	6,845

Central Seme Ward	None	14.4	16.5	49.6	0.9	12.1	0.6	2.3	3.6	528
Central Seme Ward	Primary	19.1	15.5	34.6	0.6	12.1	13.8	0.8	3.5	4,235
Central Seme Ward	Second-ary+	28.6	12.4	20.8	0.8	8.3	23.9	0.4	4.7	2,082
East Seme Ward	Total	14.5	15.7	40.5	0.6	8.7	14.8	1.0	4.2	6,421
East Seme Ward	None	9.8	15.9	48.8	0.2	17.7	0.4	3.8	3.4	502
East Seme Ward	Primary	12.9	16.7	44.0	0.5	8.5	12.6	0.8	4.0	4,354
East Seme Ward	Second-ary+	20.3	12.9	27.9	1.2	6.6	25.5	0.4	5.2	1,565
North Seme Ward	Total	13.2	10.5	45.4	1.0	6.9	15.5	0.8	6.7	7,325
North Seme Ward	None	7.2	9.0	60.2	2.6	9.0	0.4	3.8	7.8	500
North Seme Ward	Primary	11.1	11.2	48.6	0.6	7.0	14.2	0.7	6.7	4,909
North Seme Ward	Second-ary+	20.3	9.0	33.5	1.5	6.1	22.9	0.2	6.5	1,916
Nyando Constituency	Total	20.7	19.3	25.2	1.2	10.6	15.9	0.8	6.2	43,207
Nyando Constituency	None	17.0	20.2	34.3	2.5	12.4	1.3	3.8	8.5	2,365
Nyando Constituency	Primary	17.4	20.6	28.5	1.1	12.1	13.9	0.7	5.8	26,648
Nyando Constituency	Second-ary+	27.6	16.8	17.4	1.4	7.7	21.9	0.5	6.7	14,194
East Kano/Wawidhi Ward	Total	20.1	18.8	29.1	1.2	8.1	15.7	0.9	6.1	4,892
East Kano/Wawidhi Ward	None	19.9	20.5	36.0	2.8	6.5	0.9	6.2	7.1	322
East Kano/Wawidhi Ward	Primary	18.6	20.1	30.6	0.9	9.1	13.6	0.6	6.5	3,376
East Kano/Wawidhi Ward	Second-ary+	24.2	14.7	23.1	1.4	5.6	25.7	0.4	4.9	1,194
Awasi/Onjiko Ward	Total	24.1	20.7	25.4	1.0	7.7	14.2	0.7	6.2	8,086
Awasi/Onjiko Ward	None	18.2	20.0	36.6	2.4	10.1	0.7	4.0	8.0	424
Awasi/Onjiko Ward	Primary	21.4	21.7	27.9	0.7	8.5	13.2	0.6	6.0	5,274
Awasi/Onjiko Ward	Second-ary+	31.2	18.7	18.1	1.3	5.3	18.8	0.3	6.3	2,388
Ahero Ward	Total	23.0	20.5	27.4	1.2	5.3	15.3	0.6	6.7	11,542
Ahero Ward	None	17.2	16.8	38.7	2.6	7.9	0.9	2.4	13.5	542
Ahero Ward	Primary	18.0	21.8	33.7	1.0	6.2	12.6	0.5	6.1	6,488
Ahero Ward	Second-ary+	30.8	19.1	16.9	1.4	3.7	20.8	0.5	6.8	4,512
Kabonyo/Kanyagwal Ward	Total	15.1	16.9	32.1	1.3	15.9	14.6	0.8	3.3	7,794
Kabonyo/Kanyagwal Ward	None	14.3	18.7	42.9	2.5	12.6	2.5	3.7	3.0	406
Kabonyo/Kanyagwal Ward	Primary	12.6	17.8	34.2	1.2	17.2	13.6	0.7	2.6	5,211
Kabonyo/Kanyagwal Ward	Second-ary+	20.9	14.5	25.0	1.5	13.5	19.1	0.4	5.1	2,177

Kobura Ward	Total	20.2	18.9	15.9	1.4	15.9	18.7	1.1	7.9	10,893
Kobura Ward	None	16.2	23.7	23.4	2.4	20.3	1.5	3.7	8.8	671
Kobura Ward	Primary	16.6	20.9	17.8	1.3	18.4	16.3	1.2	7.5	6,299
Kobura Ward	Second-ary+	26.6	14.9	11.7	1.5	11.0	25.5	0.6	8.3	3,923
Muhoroni Constituency	Total	29.1	14.4	28.0	1.2	8.9	11.8	0.5	6.0	53,329
Muhoroni Constituency	None	25.1	14.0	39.4	2.5	9.7	1.0	2.2	5.9	3,146
Muhoroni Constituency	Primary	25.5	14.8	32.0	1.0	10.4	10.1	0.4	5.7	32,093
Muhoroni Constituency	Second-ary+	36.3	13.6	19.0	1.4	6.1	16.7	0.4	6.6	18,090
Miwani Ward	Total	30.9	14.9	23.7	1.3	9.5	12.8	0.6	6.2	6,877
Miwani Ward	None	35.3	13.0	30.3	2.6	10.1	0.9	2.0	5.8	346
Miwani Ward	Primary	26.2	16.3	28.0	1.0	11.1	11.2	0.6	5.7	4,024
Miwani Ward	Second-ary+	37.9	13.1	15.8	1.6	6.8	17.1	0.5	7.1	2,507
Ombeyi Ward	Total	20.4	12.7	46.8	0.7	6.5	8.9	0.4	3.8	8,833
Ombeyi Ward	None	19.4	11.5	55.4	2.4	4.6	0.4	1.2	5.2	679
Ombeyi Ward	Primary	19.8	13.0	48.1	0.4	7.1	7.7	0.3	3.5	6,344
Ombeyi Ward	Second-ary+	22.9	12.1	38.7	1.0	4.9	16.1	0.1	4.2	1,810
Masogo/Nyangoma Ward	Total	20.0	15.2	27.2	1.5	14.5	13.8	0.6	7.2	10,340
Masogo/Nyangoma Ward	None	17.2	15.8	35.9	3.1	18.9	0.5	2.9	5.8	850
Masogo/Nyangoma Ward	Primary	18.6	15.1	29.6	1.2	15.7	11.9	0.4	7.4	7,144
Masogo/Nyangoma Ward	Second-ary+	25.1	15.1	16.6	1.9	9.2	24.4	0.4	7.2	2,346
Chemilil Ward	Total	34.8	14.0	26.6	1.5	5.8	11.4	0.4	5.4	12,626
Chemilil Ward	None	34.6	16.6	31.3	3.9	4.8	1.5	2.9	4.3	517
Chemilil Ward	Primary	30.5	14.5	31.1	1.2	6.8	10.7	0.3	5.0	6,830
Chemilil Ward	Second-ary+	40.3	13.1	20.4	1.6	4.7	13.4	0.3	6.1	5,279
Muhoroni Koru Ward	Total	35.2	14.8	20.6	1.1	8.8	11.9	0.6	6.9	14,653
Muhoroni Koru Ward	None	28.1	13.1	38.9	1.1	7.2	1.6	2.0	8.1	754
Muhoroni Koru Ward	Primary	31.8	15.6	24.0	1.1	11.2	9.2	0.6	6.5	7,751
Muhoroni Koru Ward	Second-ary+	40.5	14.0	14.1	1.2	6.1	16.6	0.5	7.1	6,148
Nyakach Constituency	Total	16.9	16.8	26.9	1.4	9.0	17.4	0.8	10.9	38,698
Nyakach Constituency	None	13.3	16.8	38.1	2.7	12.1	1.0	4.0	12.0	1,955
Nyakach Constituency	Primary	13.8	18.9	30.1	1.2	10.5	13.8	0.8	10.9	22,116

Nyakach Constituency	Second-ary+	22.0	13.6	20.4	1.5	6.3	24.9	0.4	10.8	14,627
South West Nyakach Ward	Total	11.8	9.9	58.4	1.0	2.1	13.5	0.7	2.7	4,796
South West Nyakach Ward	None	7.8	7.1	74.5	1.4	2.5	-	5.0	1.8	282
South West Nyakach Ward	Primary	8.6	10.5	63.4	0.9	2.2	11.6	0.5	2.4	2,726
South West Nyakach Ward	Second-ary+	17.3	9.5	48.3	1.0	1.7	18.6	0.4	3.2	1,788
North Nyakach Ward	Total	17.8	14.8	18.4	1.4	9.1	16.3	0.9	21.2	9,017
North Nyakach Ward	None	16.0	16.2	22.6	1.5	13.9	1.3	4.4	24.1	474
North Nyakach Ward	Primary	15.3	15.4	21.1	1.3	10.7	13.9	0.9	21.4	5,272
North Nyakach Ward	Second-ary+	22.2	13.6	13.5	1.7	5.7	22.5	0.5	20.4	3,271
Central Nyakach Ward	Total	15.3	21.4	19.3	2.0	13.8	17.8	1.0	9.5	7,562
Central Nyakach Ward	None	11.1	19.6	28.9	3.7	20.4	1.3	4.2	10.6	377
Central Nyakach Ward	Primary	12.6	24.1	21.3	1.8	15.0	14.6	1.0	9.6	4,570
Central Nyakach Ward	Second-ary+	20.5	16.7	14.5	2.0	10.7	25.8	0.6	9.2	2,615
West Nyakach Ward	Total	22.5	19.8	13.4	1.6	12.5	20.3	1.1	8.8	7,892
West Nyakach Ward	None	18.6	22.1	27.2	4.0	13.0	0.7	4.7	9.8	430
West Nyakach Ward	Primary	18.8	23.6	15.5	1.4	15.5	15.5	1.1	8.7	4,436
West Nyakach Ward	Second-ary+	28.7	13.9	8.3	1.6	8.0	30.1	0.5	8.9	3,026
South East Nyakach Ward	Total	15.1	16.0	36.2	0.9	5.6	17.6	0.4	8.2	9,431
South East Nyakach Ward	None	10.2	16.1	51.5	2.8	7.7	1.3	1.8	8.7	392
South East Nyakach Ward	Primary	11.8	18.2	42.2	0.6	6.3	13.0	0.4	7.6	5,112
South East Nyakach Ward	Second-ary+	20.0	13.1	26.9	1.2	4.5	25.3	0.2	8.9	3,927
Ibendo Ward	Total	14.1	8.1	55.1	0.7	0.7	16.8	1.1	3.4	7,749
Ibendo Ward	None	18.3	5.0	65.5	2.7	0.9	0.9	4.1	2.7	339
Ibendo Ward	Primary	11.8	7.7	62.1	0.5	0.5	14.3	0.9	2.1	3,247
Ibendo Ward	Second-ary+	15.5	8.6	48.8	0.7	0.8	20.1	0.9	4.5	4,163
Kitutu Chache North Constituency	Total	10.0	10.4	64.4	0.9	1.1	10.3	0.4	2.4	36,056
Kitutu Chache North Constituency	None	7.1	8.7	76.5	2.1	0.9	0.3	1.7	2.5	2,761
Kitutu Chache North Constituency	Primary	8.8	10.7	68.3	0.7	1.0	8.3	0.4	1.9	19,384
Kitutu Chache North Constituency	Second-ary+	12.3	10.5	56.5	0.9	1.3	15.2	0.2	3.1	13,911
Monyerero Ward	Total	10.3	10.0	61.5	1.0	0.7	11.9	0.3	4.2	9,770
Monyerero Ward	None	12.1	14.8	59.7	5.6	0.2	0.2	1.7	5.6	412



Monyerero Ward	Primary	8.6	10.5	66.6	0.9	0.6	9.1	0.3	3.4	5,046
Monyerero Ward	Second-ary+	12.2	9.0	55.6	0.7	0.9	16.3	0.2	5.0	4,312
Sensi Ward	Total	7.9	6.5	75.3	0.8	0.9	6.8	0.4	1.4	9,742
Sensi Ward	None	3.0	5.4	87.4	1.2	0.4	0.1	1.7	0.8	946
Sensi Ward	Primary	6.8	6.2	78.7	0.5	0.7	5.8	0.3	1.0	4,857
Sensi Ward	Second-ary+	10.4	7.1	68.1	1.1	1.4	9.6	0.2	2.1	3,939
Marani Ward	Total	12.9	10.9	61.3	0.7	1.3	11.3	0.5	1.1	9,741
Marani Ward	None	10.9	8.4	74.2	1.8	1.1	0.4	2.0	1.1	714
Marani Ward	Primary	11.6	10.8	65.2	0.5	1.3	9.4	0.4	0.9	5,636
Marani Ward	Second-ary+	15.4	11.7	52.3	0.9	1.4	16.7	0.3	1.4	3,391
Kegogi Ward	Total	8.4	15.9	57.4	1.1	1.6	11.9	0.6	3.1	6,803
Kegogi Ward	None	6.0	10.0	74.0	1.7	1.9	0.4	1.6	4.4	689
Kegogi Ward	Primary	7.4	16.3	62.0	1.0	1.5	8.9	0.6	2.4	3,845
Kegogi Ward	Second-ary+	10.9	17.2	44.6	1.0	1.6	20.4	0.2	4.0	2,269
Kitutu Chache South Constituency	Total	25.6	14.9	33.1	1.1	4.7	14.8	0.5	5.2	51,829
Kitutu Chache South Constituency	None	17.4	12.2	53.1	3.0	4.8	0.8	3.7	5.1	2,716
Kitutu Chache South Constituency	Primary	19.4	14.3	45.0	0.8	4.5	11.3	0.5	4.2	23,978
Kitutu Chache South Constituency	Second-ary+	32.4	15.8	19.6	1.3	4.8	19.7	0.2	6.2	25,135
Bogusero Ward	Total	13.7	11.5	53.7	1.2	2.6	14.1	0.7	2.4	8,580
Bogusero Ward	None	10.5	12.0	65.4	2.5	3.0	0.6	3.5	2.6	693
Bogusero Ward	Primary	10.3	11.5	61.4	0.8	2.5	11.6	0.6	1.4	5,115
Bogusero Ward	Second-ary+	20.7	11.5	36.7	1.7	2.9	22.2	0.2	4.2	2,772
Bogeka Ward	Total	13.8	10.7	57.0	0.7	1.6	12.1	0.9	3.3	4,697
Bogeka Ward	None	9.5	8.1	70.0	2.2	1.4	1.1	5.0	2.5	357
Bogeka Ward	Primary	11.6	10.9	61.6	0.5	1.6	10.4	0.5	2.8	2,795
Bogeka Ward	Second-ary+	18.6	11.0	45.6	0.6	1.4	17.7	0.7	4.3	1,545
Nyakoe Ward	Total	19.9	7.6	50.4	0.7	1.2	16.9	0.7	2.8	8,684
Nyakoe Ward	None	15.8	6.4	66.3	2.5	1.0	0.5	4.0	3.5	606
Nyakoe Ward	Primary	17.7	7.3	57.9	0.5	1.0	13.3	0.5	1.9	4,934
Nyakoe Ward	Second-ary+	24.0	8.4	35.5	0.6	1.7	25.6	0.2	4.0	3,144
Kitutu Central Ward	Total	37.4	21.2	9.9	1.6	7.6	14.1	0.3	7.9	22,206

Kitutu Central Ward	None	32.2	20.4	16.7	5.5	11.1	1.2	2.8	10.2	687
Kitutu Central Ward	Primary	32.4	24.7	13.6	1.3	10.3	8.2	0.4	9.1	6,501
Kitutu Central Ward	Second-ary+	39.8	19.7	8.0	1.6	6.3	17.2	0.2	7.3	15,018
Nyatieko Ward	Total	18.6	11.7	42.8	0.5	4.2	17.2	0.6	4.6	7,662
Nyatieko Ward	None	12.9	10.5	59.2	1.1	5.9	0.5	4.3	5.6	373
Nyatieko Ward	Primary	17.9	12.7	47.0	0.4	3.9	13.7	0.5	3.8	4,633
Nyatieko Ward	Second-ary+	20.4	10.1	33.1	0.6	4.3	25.5	0.2	5.8	2,656

Table 17.5: Employment and Education Levels in Female Headed Households by County, Constituency and Wards

County, Constituency and Wards	Education Level reached	Work for Pay	Family Business	Family Agricultural holding	Internal/ Volunteer	Retired/ Home-maker	Fulltime Student	Incapacitated	No work	Population (15-64)
Kenya National	Total	18.87	11.91	32.74	1.20	9.85	16.66	0.69	8.08	5,518,645
Kenya National	None	10.34	13.04	44.55	1.90	16.45	0.80	1.76	11.17	974,824
Kenya National	Primary	16.74	11.75	37.10	0.89	9.82	16.23	0.59	6.89	2,589,877
Kenya National	Secondary+	25.95	11.57	21.07	1.27	6.59	25.16	0.28	8.11	1,953,944
Rural Rural	Total	31.53	15.66	12.80	1.54	9.33	16.99	0.54	11.60	1,781,078
Rural Rural	None	8.36	12.26	50.31	1.60	15.77	0.59	1.67	9.44	794,993
Rural Rural	Primary	13.02	9.90	43.79	0.81	9.49	17.03	0.60	5.36	1,924,111
Rural Rural	Secondary+	15.97	8.87	33.03	1.06	6.80	27.95	0.34	5.98	1,018,463
Urban Urban	Total	12.83	10.12	42.24	1.04	10.09	16.51	0.76	6.40	3,737,567
Urban Urban	None	19.09	16.50	19.04	3.22	19.45	1.70	2.18	18.83	179,831
Urban Urban	Primary	27.49	17.07	17.79	1.13	10.76	13.93	0.55	11.29	665,766
Urban Urban	Secondary+	36.81	14.50	8.06	1.51	6.36	22.11	0.22	10.43	935,481
Kisumu	Total	18.1	18.1	22.1	1.5	9.3	20.8	1.0	8.9	155,712
Kisumu	None	14.9	20.9	35.7	2.8	12.5	.9	4.2	8.0	14,517
Kisumu	Primary	14.8	19.9	26.4	1.2	10.5	17.6	.9	8.6	81,457
Kisumu	Secondary+	23.4	15.1	12.8	1.7	6.9	30.1	.5	9.6	59,738
Kisumu East Constituency	Total	22.0	22.8	13.2	1.6	9.9	20.6	.8	9.1	20,349
Kisumu East Constituency	None	17.3	27.1	27.4	2.6	13.8	1.5	3.8	6.4	16,288
Kisumu East Constituency	Primary	19.8	25.7	15.8	1.2	11.2	16.2	.7	9.3	10,481
Kisumu East Constituency	Secondary+	25.8	18.4	6.9	1.9	7.5	29.9	.3	9.4	8,240
Kajulu Ward	Total	19.5	20.2	20.3	1.4	7.7	18.9	.7	11.2	6,212
Kajulu Ward	None	13.4	27.1	37.1	2.5	7.9	.9	2.9	8.2	558
Kajulu Ward	Primary	16.4	23.2	23.7	1.1	8.3	14.7	.7	11.9	3,361
Kajulu Ward	Secondary+	25.5	14.1	11.2	1.7	6.9	29.4	.2	11.0	2,293

Kolwa East Ward	Total	18.9	17.3	15.7	1.3	13.5	24.8	1.6	6.8	3356
Kolwa East Ward	None	16.2	21.3	30.6	.6	19.2	1.5	7.2	3.3	333
Kolwa East Ward	Primary	19.6	19.0	16.6	1.3	13.7	22.3	1.0	6.4	2099
Kolwa East Ward	Secondary+	18.3	12.0	8.1	1.6	11.1	39.0	1.1	8.8	924
Manyatta B Ward	Total	26.8	28.3	6.4	1.9	7.3	21.7	.2	7.5	3206
Manyatta B Ward	None	22.9	37.4	10.7	6.9	7.6	3.1	2.3	9.2	131
Manyatta B Ward	Primary	23.6	34.7	8.5	1.8	9.2	14.4	.2	7.6	1292
Manyatta B Ward	Secondary+	29.3	22.9	4.5	1.6	5.9	28.4	0.0	7.2	1783
Nyalenda A Ward	Total	26.2	29.1	5.7	1.8	7.9	17.2	.8	11.3	3331
Nyalenda A Ward	None	26.3	35.2	10.8	2.3	10.8	2.8	3.8	8.0	213
Nyalenda A Ward	Primary	24.8	33.1	7.2	1.3	9.6	11.7	.8	11.8	1600
Nyalenda A Ward	Secondary+	27.8	24.1	3.4	2.4	5.7	25.0	.3	11.3	1518
Kolwa Central Ward	Total	21.1	22.0	11.7	1.7	13.8	21.6	.8	7.5	4244
Kolwa Central Ward	None	17.0	24.2	25.4	3.3	21.4	1.0	2.8	4.8	393
Kolwa Central Ward	Primary	19.1	25.1	13.6	1.0	16.0	17.2	.7	7.4	2129
Kolwa Central Ward	Secondary+	24.6	17.6	6.2	2.1	9.3	31.6	.4	8.2	1722
Kisumu West Constituency	Total	16.7	17.1	26.1	1.7	8.7	18.9	1.5	9.3	20490
Kisumu West Constituency	None	12.5	22.5	34.9	3.1	12.5	.6	5.2	8.6	2024
Kisumu West Constituency	Primary	14.7	18.1	29.4	1.5	9.5	16.1	1.3	9.3	11385
Kisumu West Constituency	Secondary+	21.2	13.9	18.1	1.7	6.3	28.7	.7	9.5	7081
South West Kisumu Ward	Total	13.3	16.7	28.7	3.1	8.7	17.9	1.4	10.2	3655
South West Kisumu Ward	None	10.0	17.4	37.4	5.1	13.3	.6	4.5	11.7	489
South West Kisumu Ward	Primary	13.2	17.6	29.9	2.8	8.8	16.6	1.1	10.1	2239
South West Kisumu Ward	Secondary+	15.3	14.0	21.1	2.9	6.1	30.3	.6	9.5	927
Central Kisumu Ward	Total	20.9	24.4	14.0	1.7	8.1	17.4	2.2	11.3	5055
Central Kisumu Ward	None	17.4	41.1	13.5	2.5	8.7	.8	6.6	9.3	482
Central Kisumu Ward	Primary	18.3	25.6	16.0	1.6	9.5	14.9	2.0	12.0	2746
Central Kisumu Ward	Secondary+	25.7	18.2	11.2	1.7	5.7	25.5	1.3	10.7	1827
Kisumu North Ward	Total	16.4	14.7	26.8	1.9	13.8	19.0	1.3	6.3	4330
Kisumu North Ward	None	11.8	13.6	36.9	3.8	23.1	.3	6.0	4.5	398
Kisumu North Ward	Primary	15.2	15.9	29.2	1.7	15.2	15.6	1.0	6.3	2316
Kisumu North Ward	Secondary+	19.1	13.2	20.7	1.7	9.5	28.5	.5	6.7	1616
West Kisumu Ward	Total	14.1	14.0	33.0	.8	6.9	21.4	1.1	8.8	3796
West Kisumu Ward	None	11.3	17.8	46.8	1.3	10.8	1.0	3.0	8.3	400
West Kisumu Ward	Primary	12.6	15.3	36.3	.4	7.1	18.4	.8	9.0	2256
West Kisumu Ward	Secondary+	18.1	9.9	21.5	1.3	5.2	34.5	1.0	8.6	1140
North West Kisumu Ward	Total	17.5	13.5	32.1	1.2	5.3	19.5	1.1	9.8	3654
North West Kisumu Ward	None	11.4	18.4	48.6	2.4	4.7	.4	5.9	8.2	255
North West Kisumu Ward	Primary	13.0	13.8	40.8	1.0	6.2	15.4	1.3	8.5	1828
North West Kisumu Ward	Secondary+	23.8	12.3	19.4	1.1	4.4	27.3	.2	11.5	1571
Kisumu Central Constituency	Total	31.1	21.0	3.0	1.8	8.6	23.1	.4	10.9	25841
Kisumu Central Constituency	None	28.3	31.3	6.0	4.7	16.0	2.3	2.4	8.9	1152
Kisumu Central Constituency	Primary	24.9	28.5	4.4	1.4	12.6	15.3	.6	12.3	7397
Kisumu Central Constituency	Secondary+	33.9	17.1	2.2	1.8	6.4	27.9	.3	10.4	17292
Railways Ward	Total	31.5	22.0	3.9	1.7	7.6	20.6	.7	12.0	4826
Railways Ward	None	29.7	30.0	7.7	6.1	11.9	1.6	2.9	10.0	310
Railways Ward	Primary	26.3	29.5	5.0	.8	10.8	13.6	.5	13.4	1693
Railways Ward	Secondary+	34.8	16.6	2.8	1.8	5.2	27.0	.6	11.3	2823

Migosi Ward	Total	34.5	15.9	2.0	1.9	9.5	26.8	.4	9.0	3621
Migosi Ward	None	33.0	17.9	1.9	8.5	19.8	2.8	3.8	12.3	106
Migosi Ward	Primary	28.7	19.2	5.2	.7	17.2	19.2	.6	9.2	717
Migosi Ward	Secondary+	36.0	14.9	1.2	2.0	7.1	29.7	.2	8.9	2798
Shauri Moyo/Kaloleni Ward	Total	32.0	16.6	4.2	1.5	11.6	23.3	.5	10.4	3012
Shauri Moyo/Kaloleni Ward	None	23.0	26.2	5.6	3.2	31.7	.8	2.4	7.1	126
Shauri Moyo/Kaloleni Ward	Primary	22.0	22.3	7.4	1.3	18.8	14.6	.8	12.8	618
Shauri Moyo/Kaloleni Ward	Secondary+	35.2	14.5	3.3	1.5	8.5	26.9	.3	9.9	2268
Market Milimani Ward	Total	35.3	17.1	2.9	2.4	7.8	22.4	.2	11.8	2985
Market Milimani Ward	None	33.3	25.0	6.0	6.0	19.0	0.0	2.4	8.3	84
Market Milimani Ward	Primary	28.3	22.9	5.9	1.6	13.2	12.1	.2	15.9	547
Market Milimani Ward	Secondary+	37.0	15.4	2.2	2.5	6.2	25.6	.1	11.0	2354
Kondele Ward	Total	27.6	25.2	1.9	1.7	8.6	23.3	.3	11.4	6946
Kondele Ward	None	27.9	32.8	4.9	2.4	17.4	3.5	1.0	10.1	287
Kondele Ward	Primary	21.7	32.9	2.1	1.5	12.2	16.7	.6	12.2	2180
Kondele Ward	Secondary+	30.5	20.9	1.7	1.7	6.3	27.8	.2	11.1	4479
Nyalenda B Ward	Total	29.7	23.3	3.7	2.0	7.5	23.0	.5	10.2	4451
Nyalenda B Ward	None	25.9	42.3	7.1	4.2	8.4	3.3	2.9	5.9	239
Nyalenda B Ward	Primary	25.8	30.0	5.0	2.2	10.3	14.9	.6	11.2	1642
Nyalenda B Ward	Secondary+	32.5	17.3	2.6	1.7	5.7	30.0	.2	9.9	2570
Seme Constituency	Total	10.7	13.9	38.4	1.4	8.6	20.1	1.1	5.9	18788
Seme Constituency	None	9.8	14.1	52.2	2.6	10.5	.5	3.9	6.5	2134
Seme Constituency	Primary	9.5	15.2	40.8	1.0	8.9	18.3	.8	5.5	11882
Seme Constituency	Secondary+	14.0	10.5	26.2	1.6	6.9	33.3	.6	6.8	4772
West Seme Ward	Total	9.1	14.6	39.4	1.7	6.8	20.2	1.2	6.9	5524
West Seme Ward	None	8.8	13.6	51.1	4.5	6.7	.5	5.0	9.8	624
West Seme Ward	Primary	8.2	16.4	41.4	1.3	7.6	18.2	.8	6.1	3519
West Seme Ward	Secondary+	11.4	10.6	29.2	1.6	4.9	34.1	.6	7.7	1381
Central Seme Ward	Total	15.4	14.0	31.4	1.7	10.9	21.2	1.0	4.4	4446
Central Seme Ward	None	15.6	16.8	46.9	.8	14.4	.2	2.6	2.6	493
Central Seme Ward	Primary	14.2	14.6	33.7	1.4	11.4	19.8	.9	4.1	2772
Central Seme Ward	Secondary+	18.2	11.5	19.8	2.7	8.3	33.2	.5	5.8	1181
East Seme Ward	Total	9.1	17.0	39.3	.8	9.0	19.1	1.4	4.4	3869
East Seme Ward	None	8.2	16.6	48.9	2.5	13.3	.4	4.7	5.3	487
East Seme Ward	Primary	8.1	18.9	41.1	.6	8.7	17.5	1.0	4.2	2496
East Seme Ward	Secondary+	12.5	11.7	28.8	.7	7.4	33.9	.8	4.2	886
North Seme Ward	Total	9.6	10.5	42.6	1.1	8.1	19.9	.8	7.4	4949
North Seme Ward	None	7.0	9.8	61.3	2.3	8.7	.8	3.0	7.2	530
North Seme Ward	Primary	8.1	11.3	46.1	.8	8.2	17.9	.6	7.0	3095
North Seme Ward	Secondary+	14.0	8.8	27.1	1.4	7.6	32.3	.5	8.4	1324
Nyando Constituency	Total	14.5	19.0	22.6	1.2	11.2	22.3	1.3	8.0	24517
Nyando Constituency	None	14.3	22.5	34.5	2.2	13.0	.7	4.4	8.4	2677
Nyando Constituency	Primary	13.2	20.4	24.4	.9	12.1	20.4	1.1	7.5	14333
Nyando Constituency	Secondary+	17.0	15.2	14.7	1.4	8.6	33.5	.6	8.9	7507
East Kano/Wawidhi Ward	Total	15.8	18.8	24.6	1.7	10.4	19.9	1.2	7.6	3130
East Kano/Wawidhi Ward	None	19.4	19.9	34.0	3.2	12.5	.9	3.0	6.9	432
East Kano/Wawidhi Ward	Primary	14.1	20.3	24.9	1.1	10.4	19.9	1.0	8.3	2021
East Kano/Wawidhi Ward	Secondary+	18.9	13.6	17.7	2.4	9.0	32.2	.3	5.9	677

Awasi/Onjiko Ward	Total	17.4	21.6	24.3	.6	7.1	21.3	1.3	6.4	4305
Awasi/Onjiko Ward	None	18.5	27.0	34.4	1.0	7.9	.6	4.8	5.8	482
Awasi/Onjiko Ward	Primary	15.9	22.9	26.1	.3	7.7	20.1	1.0	6.1	2586
Awasi/Onjiko Ward	Secondary+	20.0	16.8	16.7	1.0	5.7	31.9	.6	7.4	1237
Ahero Ward	Total	15.9	21.0	24.9	1.3	5.1	22.4	1.1	8.2	6309
Ahero Ward	None	13.7	25.0	37.7	2.8	4.4	1.1	3.9	11.4	568
Ahero Ward	Primary	14.3	22.9	28.7	1.1	5.8	19.3	1.0	6.9	3465
Ahero Ward	Secondary+	18.9	17.2	15.9	1.4	4.1	32.5	.6	9.5	2276
Kabonyo/Kanyagwal Ward	Total	10.0	15.0	29.3	1.1	17.1	21.0	1.6	4.9	3992
Kabonyo/Kanyagwal Ward	None	12.1	14.3	45.6	1.9	16.4	.7	5.8	3.3	428
Kabonyo/Kanyagwal Ward	Primary	8.5	16.0	30.4	.9	18.2	20.2	1.3	4.6	2495
Kabonyo/Kanyagwal Ward	Secondary+	12.7	12.8	20.2	1.4	14.9	31.1	.7	6.3	1069
Kobura Ward	Total	13.3	18.1	14.4	1.2	16.2	24.6	1.4	10.9	6781
Kobura Ward	None	10.4	23.7	26.2	2.0	21.1	.5	4.7	11.3	767
Kobura Ward	Primary	12.9	19.5	15.1	.9	17.8	22.0	1.1	10.5	3766
Kobura Ward	Secondary+	14.8	13.9	9.0	1.3	11.8	37.0	.8	11.3	2248
Muhoroni Constituency	Total	19.1	15.1	30.5	1.6	8.4	17.5	1.1	6.8	20776
Muhoroni Constituency	None	18.5	15.6	42.1	2.7	10.4	.6	3.7	6.5	2527
Muhoroni Constituency	Primary	18.0	15.5	32.2	1.3	9.3	16.7	.9	6.2	12054
Muhoroni Constituency	Secondary+	21.4	14.3	22.3	1.7	5.9	25.8	.5	8.1	6195
Miwani Ward	Total	17.0	18.0	26.5	1.2	8.5	20.8	.9	7.1	2566
Miwani Ward	None	14.6	16.1	42.9	.9	16.1	.6	3.7	5.0	322
Miwani Ward	Primary	16.3	19.4	28.5	1.0	8.1	19.6	.5	6.6	1466
Miwani Ward	Secondary+	19.2	16.3	15.9	1.8	5.9	31.4	.6	8.9	778
Ombeyi Ward	Total	18.0	13.7	44.4	1.0	5.9	12.2	1.0	3.9	4085
Ombeyi Ward	None	20.8	14.6	51.1	2.3	4.5	0.0	3.0	3.7	597
Ombeyi Ward	Primary	17.5	13.7	45.7	.5	5.8	12.4	.7	3.7	2590
Ombeyi Ward	Secondary+	17.7	12.9	36.1	1.2	7.0	19.7	.4	4.9	898
Masogo/Nyangoma Ward	Total	15.4	14.4	25.7	2.0	13.9	19.4	1.0	8.1	5528
Masogo/Nyangoma Ward	None	14.6	14.3	36.6	3.1	17.6	.5	3.2	10.0	833
Masogo/Nyangoma Ward	Primary	15.5	14.8	26.1	1.8	15.3	18.6	.7	7.2	3456
Masogo/Nyangoma Ward	Secondary+	15.7	13.4	17.4	1.9	7.4	34.6	.3	9.4	1239
Chemilil Ward	Total	20.8	14.7	32.4	1.6	5.0	18.6	1.0	5.9	4658
Chemilil Ward	None	20.8	17.2	46.5	2.2	5.3	.7	3.9	3.4	413
Chemilil Ward	Primary	19.8	15.0	33.8	1.4	5.8	17.8	1.0	5.3	2505
Chemilil Ward	Secondary+	22.4	13.6	27.1	1.7	3.8	23.9	.3	7.4	1740
Muhoroni Koru Ward	Total	24.6	16.4	22.9	2.0	7.3	16.6	1.5	8.7	3939
Muhoroni Koru Ward	None	24.6	17.7	34.3	4.1	4.4	1.7	5.5	7.7	362
Muhoroni Koru Ward	Primary	21.9	16.8	26.1	1.6	8.4	15.4	1.5	8.3	2037
Muhoroni Koru Ward	Secondary+	28.2	15.6	16.0	1.9	6.6	21.7	.7	9.3	1540
Nyakach Constituency	Total	11.1	17.0	26.2	1.5	9.6	22.0	1.2	11.4	24951
Nyakach Constituency	None	10.1	20.4	36.4	2.9	13.4	.8	4.9	11.0	2375
Nyakach Constituency	Primary	9.4	19.8	28.5	1.3	10.5	18.2	.9	11.4	13925
Nyakach Constituency	Secondary+	14.1	11.7	19.6	1.5	7.0	33.9	.7	11.5	8651
South West Nyakach Ward	Total	7.5	8.6	60.3	.8	2.4	16.6	1.4	2.4	3302
South West Nyakach Ward	None	7.7	6.8	76.6	1.5	.9	.3	4.5	1.8	337
South West Nyakach Ward	Primary	5.3	10.3	63.5	.8	3.1	13.7	1.0	2.2	1819
South West Nyakach Ward	Secondary+	10.9	6.4	50.5	.6	1.8	25.9	1.0	2.9	1146

North Nyakach Ward	Total	11.5	16.5	17.0	1.5	9.2	21.9	1.2	21.3	6117
North Nyakach Ward	None	12.0	17.5	23.6	2.5	15.3	1.0	4.6	23.6	607
North Nyakach Ward	Primary	10.4	18.4	19.0	1.2	9.5	19.5	.9	21.2	3471
North Nyakach Ward	Secondary+	13.1	13.0	11.7	1.8	6.8	32.1	.7	20.8	2039
Central Nyakach Ward	Total	11.5	21.7	16.5	2.1	15.0	22.2	1.4	9.5	5303
Central Nyakach Ward	None	7.2	28.7	24.6	2.9	20.9	.6	6.0	9.0	487
Central Nyakach Ward	Primary	10.2	24.6	17.6	1.8	16.2	18.2	1.0	10.4	3157
Central Nyakach Ward	Secondary+	15.3	14.0	12.2	2.3	11.0	36.3	.9	8.0	1659
West Nyakach Ward	Total	13.8	21.2	12.1	1.8	14.1	25.9	1.7	9.4	4763
West Nyakach Ward	None	12.7	28.7	18.5	5.2	20.3	.6	7.0	7.0	502
West Nyakach Ward	Primary	11.9	25.7	13.9	1.4	15.7	21.4	1.4	8.6	2545
West Nyakach Ward	Secondary+	17.1	12.5	7.3	1.5	9.8	40.0	.5	11.2	1716
South East Nyakach Ward	Total	9.9	14.6	37.6	1.1	5.2	21.8	.5	9.3	5466
South East Nyakach Ward	None	9.7	16.1	56.8	2.0	4.3	1.6	2.0	7.5	442
South East Nyakach Ward	Primary	7.6	16.9	42.7	1.1	5.6	16.8	.4	8.8	2933
South East Nyakach Ward	Secondary+	13.2	11.0	26.4	1.0	4.7	33.1	.3	10.3	2091
Ibeno Ward	Total	10.0	5.2	58.0	.7	.4	21.4	.8	3.6	2935
Ibeno Ward	None	15.5	6.2	69.4	2.1	.5	1.0	1.0	4.1	193
Ibeno Ward	Primary	9.4	5.7	61.7	.4	.6	18.1	1.1	3.0	1184
Ibeno Ward	Secondary+	9.8	4.7	53.7	.8	.2	26.4	.5	3.9	1558
Kitutu Chache North Constituency	Total	6.8	9.0	65.9	.8	1.3	13.1	.7	2.4	16685
Kitutu Chache North Constituency	None	8.3	8.1	74.3	1.8	1.4	.2	3.3	2.6	1871
Kitutu Chache North Constituency	Primary	6.0	9.4	69.3	.6	1.3	10.8	.4	2.0	8521
Kitutu Chache North Constituency	Secondary+	7.4	8.6	58.7	.7	1.3	19.9	.4	3.0	6293
Monyerero Ward	Total	7.8	8.1	64.2	.9	.9	13.6	.6	3.8	4397
Monyerero Ward	None	9.9	11.0	67.9	3.3	.8	.8	3.3	3.0	364
Monyerero Ward	Primary	7.2	7.7	69.3	.8	.6	10.7	.2	3.5	2195
Monyerero Ward	Secondary+	8.3	8.0	57.5	.5	1.2	19.6	.5	4.4	1838
Sensi Ward	Total	4.8	6.4	75.0	.8	1.4	9.4	.7	1.4	4497
Sensi Ward	None	5.4	6.4	82.0	1.2	1.2	0.0	2.9	1.0	593
Sensi Ward	Primary	4.1	6.0	78.5	.7	1.4	8.0	.4	.8	2116
Sensi Ward	Secondary+	5.5	6.7	68.6	.9	1.6	14.1	.3	2.3	1788
Marani Ward	Total	8.7	9.6	62.6	.6	1.3	15.0	1.1	1.3	4393
Marani Ward	None	13.9	6.9	71.4	1.9	1.5	.2	3.8	.4	475
Marani Ward	Primary	7.4	10.3	66.4	.3	1.3	12.3	.8	1.2	2408
Marani Ward	Secondary+	9.1	9.3	53.7	.7	1.1	23.9	.7	1.5	1510
Kegogi Ward	Total	5.5	12.9	60.2	.8	1.8	14.7	.6	3.5	3398
Kegogi Ward	None	4.8	9.1	72.4	1.4	2.3	0.0	3.4	6.6	439
Kegogi Ward	Primary	5.0	14.4	62.5	.6	2.1	12.4	.2	2.7	1802
Kegogi Ward	Secondary+	6.6	11.8	51.9	.8	1.2	24.0	.1	3.6	1157
Kitutu Chache South Constituency	Total	17.0	12.5	37.0	1.3	4.3	21.5	.7	5.5	19026
Kitutu Chache South Constituency	None	12.0	11.0	60.0	2.8	5.7	.7	3.1	4.7	1871
Kitutu Chache South Constituency	Primary	12.3	12.4	48.1	.9	4.5	16.5	.7	4.6	8289
Kitutu Chache South Constituency	Secondary+	22.5	12.9	21.8	1.5	3.8	30.7	.2	6.6	8866

Bogusero Ward	Total	8.6	9.8	53.9	1.1	4.3	18.9	.6	2.8	3795
Bogusero Ward	None	9.7	9.6	70.2	1.6	4.7	.2	1.9	2.1	513
Bogusero Ward	Primary	6.5	10.1	57.9	.9	4.1	17.6	.5	2.3	2014
Bogusero Ward	Secondary+	11.4	9.4	41.0	1.2	4.5	28.5	0.0	4.0	1268
Bogeka Ward	Total	8.6	9.7	58.5	.9	1.8	17.2	1.0	2.5	2000
Bogeka Ward	None	6.8	10.6	71.3	3.4	2.6	.4	2.6	2.3	265
Bogeka Ward	Primary	7.2	9.8	62.5	.2	2.1	15.1	.9	2.2	1031
Bogeka Ward	Secondary+	11.4	9.2	47.7	1.0	.9	26.4	.6	2.8	704
Nyakoe Ward	Total	11.4	5.9	50.4	.9	.9	27.4	.9	2.2	3517
Nyakoe Ward	None	10.7	5.0	76.0	1.8	1.0	.8	3.1	1.6	383
Nyakoe Ward	Primary	10.1	6.3	62.1	.5	.8	17.3	.7	2.2	1766
Nyakoe Ward	Secondary+	13.2	5.7	28.2	1.1	1.1	47.7	.4	2.5	1368
Kitutu Central Ward	Total	30.2	20.0	9.7	2.1	6.2	21.4	.5	9.9	6780
Kitutu Central Ward	None	23.8	24.5	18.6	6.7	8.8	2.1	2.6	12.9	387
Kitutu Central Ward	Primary	25.8	24.1	14.4	2.1	8.8	13.3	.8	10.7	1919
Kitutu Central Ward	Secondary+	32.7	17.9	6.9	1.8	4.9	26.6	.2	9.2	4474
Nyatieko Ward	Total	10.1	8.0	47.7	.6	5.9	21.3	1.2	5.1	2934
Nyatieko Ward	None	7.4	4.3	65.3	.6	11.5	.3	5.9	4.6	323
Nyatieko Ward	Primary	9.0	9.3	51.8	.3	5.8	18.7	.9	4.3	1559
Nyatieko Ward	Secondary+	12.4	7.3	36.3	1.2	4.4	31.7	.2	6.6	1052

Table 17.6: 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
Kisumu County	0.025	4,380	0.032	0.430
Kisumu East Constituency	0.004	5,870	0.0068	0.387
Kajulu	0.001	4,840	0.0015	0.454
Kolwa East	0.001	2,940	0.0005	0.318
Manyatta B	0.001	7,680	0.0017	0.228
Nyalenda A	0.001	7,570	0.0017	0.253
Kolwa Central	0.001	6,050	0.0015	0.407
Kisumu West Constituency	0.003	4,600	0.0045	0.429
South West Kisumu	0.001	3,560	0.0006	0.339
Central Kisumu	0.001	6,890	0.0019	0.392
Kisumu North	0.001	3,970	0.0008	0.383
West Kisumu	0.001	3,320	0.0006	0.392
North West Kisumu	0.001	3,970	0.0007	0.434
Kisumu Central Constituency	0.004	6,970	0.0088	0.269
Railways	0.001	6,630	0.0018	0.297
Migosi	0.001	7,060	0.0011	0.243
Shauri Moyo/Kaloleni	0.000	7,120	0.0008	0.236
Market Milimani	0.000	7,310	0.0009	0.286
Kondele	0.001	7,220	0.0027	0.250
Nyalenda B	0.001	6,680	0.0017	0.283
Seme Constituency	0.003	2,460	0.0019	0.340

West Seme	0.001	2,630	0.0006	0.333
Central Seme	0.001	2,710	0.0005	0.370
East Seme	0.001	2,160	0.0004	0.305
North Seme	0.001	2,310	0.0005	0.330
Nyando Constituency	0.004	3,450	0.0037	0.410
East Kano/Wawidhi	0.000	2,600	0.0004	0.275
Awasi/Onjiko	0.001	3,310	0.0007	0.407
Ahero	0.001	5,010	0.0014	0.443
Kabonyo/Kanyagwal	0.001	2,520	0.0005	0.306
Kobura	0.001	3,090	0.0009	0.374
Muhoroni Constituency	0.004	3,450	0.0038	0.427
Miwani	0.000	3,150	0.0004	0.369
Ombeyi	0.001	2,190	0.0005	0.299
Masogo/Nyangoma	0.001	2,530	0.0006	0.363
Chemilil	0.001	3,620	0.0009	0.407
Muhoroni Koru	0.001	5,280	0.0014	0.429
Nyakach Constituency	0.004	2,680	0.0027	0.386
South West Nyakach	0.000	2,170	0.0003	0.343
North Nyakach	0.001	3,290	0.0008	0.427
Central Nyakach	0.001	2,410	0.0005	0.338
West Nyakach	0.001	2,810	0.0006	0.354
South East Nyakach	0.001	2,450	0.0006	0.393

Table 17.7: 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
Kisumu County	17.7	56.9	25.4	844,752
Kisumu East Constituency	16.7	54.9	28.4	131,725
Kajulu	17.3	57.1	25.6	35,766
Kolwa East	21.3	62.2	16.5	18,759
Manyatta B	14.4	49.4	36.3	24,560
Nyalenda A	14.6	52.2	33.2	24,848
Kolwa Central	16.7	54.5	28.8	27,792
Kisumu West Constituency	18.1	59.7	22.2	111,925
South West Kisumu	21.5	63.2	15.3	19,492
Central Kisumu	17.4	57.9	24.7	31,059
Kisumu North	17.8	58.1	24.1	21,948
West Kisumu	18.2	63.1	18.7	19,700
North West Kisumu	16.3	57.2	26.5	19,726
Kisumu Central Constituency	12.4	41.7	45.9	147,975
Railways	13.5	46.6	39.8	30,788
Migosi	9.9	34.6	55.5	17,967
Shauri Moyo/Kaloleni	10.4	35.2	54.4	13,165
Market Milimani	9.7	30.5	59.8	14,757
Kondele	13.0	43.5	43.4	42,517

Nyalenda B	14.1	47.1	38.9	28,781
Seme Constituency	20.9	64.1	15.0	87,011
West Seme	20.8	63.7	15.5	25,189
Central Seme	20.2	63.3	16.5	20,164
East Seme	22.1	64.8	13.1	19,178
North Seme	20.7	64.6	14.8	22,480
Nyando Constituency	20.5	61.3	18.2	122,849
East Kano/Wawidhi	22.6	64.8	12.7	15,109
Awasi/Onjiko	19.6	64.0	16.4	22,723
Ahero	18.9	58.7	22.4	31,238
Kabonyo/Kanyagwal	21.9	62.8	15.3	21,958
Kobura	20.7	59.3	20.0	31,821
Muhoroni Constituency	18.9	61.4	19.7	126,072
Miwani	18.1	60.8	21.1	16,041
Ombeyi	23.2	64.7	12.1	22,979
Masogo/Nyangoma	20.9	66.0	13.1	28,085
Chemilil	16.8	58.5	24.7	29,095
Muhoroni Koru	16.2	57.6	26.2	29,872
Nyakach Constituency	18.3	61.1	20.6	117,195
South West Nyakach	20.1	60.1	19.8	15,369
North Nyakach	18.8	61.5	19.7	28,015
Central Nyakach	19.1	62.3	18.6	23,872
West Nyakach	17.3	61.5	21.3	23,088
South East Nyakach	16.9	59.8	23.3	26,851

Table 17.8: Education for Male and Female Headed Households by County, Constituency and Ward

County/Constituency/Wards	None	Primary	Secondary+	Total Pop		None	Primary	Sec- ond- ary+	Total Pop
Kenya	23.5	51.8	24.7	16,819,031		26.8	52.2	21.0	17,205,365
Rural	27.7	54.9	17.4	11,472,394		31.2	54.4	14.4	11,841,868
Urban	14.4	45.2	40.4	5,346,637		17.2	47.2	35.6	5,363,497
Kisumu County	15.8	55.3	28.8	409,608		19.4	58.4	22.2	435,144
Kisumu East Constituency	15.1	52.6	32.4	65,511		18.3	57.2	24.5	66,214
Kajulu	15.5	55.6	29.0	17,239		18.9	58.6	22.5	18,527
Kolwa East	18.7	61.8	19.5	9,028		23.7	62.6	13.7	9,731
Manyatta B	13.4	46.0	40.6	12,528		15.4	52.9	31.8	12,032
Nyalenda A	13.2	48.9	37.9	13,063		16.1	55.9	28.0	11,785
Kolwa Central	15.4	52.4	32.3	13,653		18.0	56.6	25.4	14,139

Kisumu West Constituency	16.3	58.5	25.2	54,508		19.9	60.7	19.4	57,417
South West Kisumu	18.9	63.6	17.5	9,330		23.8	62.9	13.3	10,162
Central Kisumu	15.9	55.6	28.5	15,657		18.9	60.2	20.9	15,402
Kisumu North	16.0	56.7	27.3	10,622		19.5	59.5	21.0	11,326
West Kisumu	15.9	62.9	21.3	9,388		20.4	63.3	16.3	10,312
North West Kisumu	15.1	56.2	28.8	9,511		17.4	58.2	24.5	10,215
Kisumu Central Constituency	11.9	39.2	48.9	72,338		12.8	44.2	43.0	75,637
Railways	12.5	44.8	42.7	15,630		14.6	48.5	36.9	15,158
Migosi	10.1	32.1	57.8	8,190		9.7	36.7	53.6	9,777
Shauri Moyo/Kaloleni	10.5	32.2	57.3	6,158		10.3	37.8	51.9	7,007
Market Milimani	9.3	27.7	63.1	7,340		10.2	33.3	56.5	7,417
Kondele	12.8	40.2	47.1	20,681		13.3	46.7	40.0	21,836
Nyalenda B	13.1	44.4	42.5	14,339		15.0	49.7	35.3	14,442
Seme Constituency	18.4	63.7	17.9	40,429		23.1	64.4	12.5	46,582
West Seme	18.2	63.0	18.8	11,607		23.1	64.3	12.7	13,582
Central Seme	17.6	62.8	19.6	9,296		22.5	63.7	13.9	10,868
East Seme	19.6	64.7	15.7	8,941		24.2	65.0	10.8	10,237
North Seme	18.2	64.5	17.3	10,585		22.8	64.6	12.6	11,895
Nyando Constituency	18.5	60.4	21.1	58,334		22.3	62.1	15.6	64,515
East Kano/Wawidhi	19.9	64.4	15.7	7,130		25.0	65.1	10.0	7,979
Awasi/Onjiko	17.5	63.6	18.9	10,760		21.4	64.5	14.1	11,963
Ahero	17.6	57.7	24.7	14,873		20.0	59.7	20.3	16,365
Kabonyo/Kanyagwal	19.7	62.1	18.2	10,514		24.0	63.5	12.6	11,444
Kobura	18.6	57.9	23.5	15,057		22.6	60.5	16.9	16,764
Muhoroni Constituency	16.5	60.0	23.5	63,291		21.3	62.8	15.9	62,781
Miwani	15.7	59.3	25.0	8,137		20.7	62.3	17.1	7,904
Ombeyi	20.0	65.0	15.0	11,031		26.2	64.4	9.4	11,948
Masogo/Nyangoma	18.0	66.7	15.4	13,535		23.5	65.5	11.0	14,550
Chemilil	15.1	56.1	28.8	14,963		18.7	61.1	20.2	14,132
Muhoroni Koru	14.7	54.7	30.6	15,625		17.9	60.7	21.4	14,247
Nyakach Constituency	16.0	59.8	24.2	55,197		20.3	62.2	17.4	61,998

South West Nyakach	17.1	59.0	24.0	7,079		22.7	61.0	16.3	8,290
North Nyakach	16.6	60.8	22.7	13,104		20.7	62.2	17.1	14,911
Central Nyakach	16.9	60.7	22.4	11,138		21.1	63.7	15.2	12,734
West Nyakach	14.6	60.0	25.4	10,963		19.7	62.8	17.5	12,125
South East Nyakach	15.2	58.3	26.5	12,913		18.4	61.3	20.3	13,938

Table 17.9: Cooking Fuel by County, Constituency and Wards

County/Constituency/Wards	Electricity	Paraffin	LPG	Biogas	Firewood	Charcoal	Solar	Other	House-holds
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
Kisumu County	1.0	7.1	2.9	0.9	58.4	29.3	0.1	0.3	221,857
Kisumu East Constituency	0.7	12.7	2.1	0.9	36.5	46.9	0.1	0.3	36,907
Kajulu	0.7	5.0	2.8	1.7	59.3	30.1	0.1	0.2	9,227
Kolwa East	0.2	2.0	0.3	0.5	88.1	8.8	0.1	0.0	4,508
Manyatta B	1.0	19.1	2.4	0.8	4.0	72.2	0.0	0.4	7,767
Nyalenda A	0.9	24.6	1.4	0.4	4.4	67.7	0.1	0.4	7,869
Kolwa Central	0.3	9.4	2.4	0.6	44.4	42.5	0.0	0.4	7,536
Kisumu West Constituency	0.5	4.8	1.7	0.7	70.7	21.3	0.1	0.3	28,474
South West Kisumu	0.6	1.3	0.4	0.6	89.8	7.3	0.0	0.1	4,901
Central Kisumu	0.3	10.3	2.1	0.8	42.0	43.6	0.1	0.8	8,525
Kisumu North	0.7	3.2	1.2	0.5	83.9	10.3	0.1	0.1	5,248
West Kisumu	0.1	1.7	0.5	0.7	85.4	11.4	0.1	0.1	4,904
North West Kisumu	0.7	3.5	4.0	0.6	72.6	18.4	0.0	0.1	4,896
Kisumu Central Constituency	1.8	18.1	10.9	2.6	4.0	61.7	0.0	0.8	43,062
Railways	1.5	17.7	6.4	3.6	7.7	62.1	0.0	0.9	9,465
Migosi	1.7	12.6	25.1	4.7	1.7	53.7	0.0	0.5	4,773
Shauri Moyo/Kaloleni	2.0	15.2	19.2	0.4	1.1	61.6	0.1	0.4	3,564
Market Milimani	4.3	18.7	31.8	4.4	1.5	37.9	-	1.3	4,418
Kondele	1.3	19.5	3.6	1.9	2.1	70.8	0.0	0.7	12,461

Nyalenda B	1.6	20.5	4.2	1.5	6.7	64.9	0.0	0.7	8,381
Seme Constituency	0.1	1.0	0.2	0.3	91.7	6.6	0.1	0.1	22,648
West Seme	0.1	0.9	0.3	0.3	91.8	6.6	0.0	0.0	6,744
Central Seme	0.2	1.6	0.2	0.3	86.2	11.3	0.1	0.1	5,268
East Seme	0.0	0.5	0.0	0.2	96.2	3.0	0.1	0.1	4,845
North Seme	0.1	0.9	0.3	0.4	92.7	5.5	0.1	0.0	5,791
Nyando Constituency	0.3	1.9	0.6	0.4	83.0	13.7	0.0	0.1	29,868
East Kano/Wawidhi	-	0.5	0.1	0.4	95.9	3.1	0.0	0.0	3,722
Awasi/Onjiko	0.4	2.0	0.3	0.6	82.8	13.8	0.1	0.1	5,665
Ahero	0.5	4.0	1.5	0.2	65.5	28.1	0.1	0.2	7,657
Kabonyo/Kanyagwal	0.2	0.6	0.1	0.4	94.4	4.2	-	0.1	5,251
Kobura	0.1	1.3	0.6	0.3	86.7	10.9	0.0	0.0	7,573
Muhoroni Constituency	2.3	2.5	0.8	0.4	73.1	20.6	0.1	0.3	32,910
Miwani	1.4	6.0	0.8	0.6	71.0	20.1	-	0.1	4,391
Ombeyi	-	0.4	0.1	0.1	95.1	4.3	0.0	0.1	5,668
Masogo/Nyangoma	0.2	1.4	0.2	0.4	89.8	7.9	0.1	0.1	7,033
Chemilil	7.6	1.9	0.4	0.5	66.4	22.5	0.1	0.6	7,653
Muhoroni Koru	1.2	3.6	2.0	0.3	51.0	41.5	0.0	0.3	8,165
Nyakach Constituency	0.4	1.2	0.3	0.4	87.7	9.8	0.0	0.1	27,988
South West Nyakach	0.1	0.5	0.1	0.5	92.9	5.8	0.1	0.0	3,674
North Nyakach	0.0	1.5	0.3	0.2	84.7	13.0	0.1	0.1	7,035
Central Nyakach	0.1	0.4	0.3	0.3	95.1	3.7	0.0	0.1	5,185
West Nyakach	0.7	0.9	0.3	0.4	88.1	9.6	0.0	0.0	5,818
South East Nyakach	1.0	2.2	0.6	0.6	81.7	13.7	0.0	0.1	6,276

Table 17.10: 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
Kisumu County	1.2	9.2	3.3	1.0	51.2	33.7	0.0	0.4	141,137
Kisumu East Constituency	0.7	15.1	2.1	0.8	30.3	50.6	0.0	0.4	26,645
Kajulu	0.7	6.3	3.1	1.9	53.2	34.6	0.1	0.2	6,150

Kolwa East	0.3	3.1	0.4	0.5	84.6	11.1	0.0	0.0	2,790
Manyatta B	0.9	21.1	2.1	0.6	2.9	72.0	0.0	0.4	6,099
Nyalenda A	0.9	27.0	1.4	0.4	3.0	66.8	0.1	0.5	6,188
Kolwa Central	0.4	11.0	2.5	0.6	38.4	46.7	0.0	0.5	5,418
Kisumu West Constituency	0.5	6.4	2.0	0.7	64.8	25.2	0.1	0.3	17,981
South West Kisumu	0.6	1.9	0.4	0.6	87.6	8.8	0.0	0.1	2,883
Central Kisumu	0.4	13.0	2.2	0.8	34.8	48.1	0.0	0.8	6,070
Kisumu North	0.9	3.7	1.5	0.5	80.5	12.6	0.2	0.1	3,176
West Kisumu	0.2	2.4	0.7	0.6	83.1	12.8	0.1	0.1	2,861
North West Kisumu	0.8	4.3	4.5	0.6	69.7	19.9	0.0	0.2	2,991
Kisumu Central Constituency	1.8	20.2	10.7	2.6	3.4	60.4	0.0	0.9	31,231
Railways	1.5	20.1	6.4	3.3	5.9	61.8	0.0	1.0	7,158
Migosi	1.9	14.0	24.7	4.7	1.7	52.3	0.0	0.6	3,232
Shauri Moyo/Kaloleni	2.1	17.6	19.3	0.5	1.3	58.5	0.1	0.6	2,337
Market Milimani	4.7	19.9	34.5	4.6	1.3	33.5	0.0	1.4	3,127
Kondele	1.2	21.3	3.3	1.9	1.9	69.5	0.0	0.8	9,104
Nyalenda B	1.6	23.0	4.0	1.4	5.5	63.7	0.0	0.7	6,273
Seme Constituency	0.1	1.3	0.3	0.4	89.5	8.3	0.1	0.0	11,755
West Seme	0.2	1.1	0.5	0.4	89.0	8.8	0.0	0.0	3,425
Central Seme	0.2	2.3	0.2	0.3	82.5	14.4	0.1	0.1	2,778
East Seme	0.0	0.7	0.1	0.3	95.4	3.5	0.0	0.0	2,599
North Seme	0.1	1.0	0.4	0.5	91.4	6.4	0.1	0.0	2,953
Nyando Constituency	0.3	2.5	0.7	0.4	80.1	15.9	0.0	0.1	16,676
East Kano/Wawidhi	0.0	0.5	0.1	0.5	95.4	3.5	0.1	0.1	1,912
Awasi/Onjiko	0.4	2.2	0.3	0.6	80.5	15.8	0.0	0.1	3,213
Ahero	0.6	5.0	1.7	0.2	60.2	31.9	0.1	0.3	4,465
Kabonyo/Kanyagwal	0.2	0.9	0.1	0.5	93.2	4.9	0.0	0.2	2,985
Kobura	0.1	1.9	0.6	0.4	84.8	12.2	0.0	0.1	4,101
Muhoroni Constituency	2.9	3.1	0.9	0.4	67.9	24.4	0.0	0.3	22,188
Miwani	1.8	7.9	1.0	0.8	65.1	23.3	0.0	0.1	2,982
Ombeyi	0.0	0.5	0.1	0.1	94.4	4.9	0.0	0.1	3,423
Masogo/Nyangoma	0.2	1.2	0.2	0.4	87.7	10.1	0.1	0.1	4,131
Chemilil	9.2	2.2	0.5	0.4	61.1	25.6	0.1	0.7	5,365
Muhoroni Koru	1.3	4.2	2.2	0.4	47.7	43.8	0.0	0.4	6,287
Nyakach Constituency	0.5	1.7	0.5	0.5	85.1	11.6	0.1	0.1	14,661
South West Nyakach	0.1	0.9	0.2	0.5	90.8	7.4	0.2	0.1	1,855
North Nyakach	0.1	2.0	0.4	0.3	81.8	15.1	0.1	0.2	3,631
Central Nyakach	0.1	0.7	0.4	0.5	94.2	4.1	0.0	0.1	2,567
West Nyakach	1.0	1.5	0.3	0.4	84.5	12.2	0.0	0.0	3,077
South East Nyakach	1.0	2.8	0.8	0.6	79.3	15.3	0.1	0.1	3,531

Table 17.11: 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
Kisumu County	0.6	3.5	2.3	0.8	71.0	21.7	0.1	0.2	80,720
Kisumu East Constituency	0.6	6.4	2.0	0.9	52.5	37.3	0.1	0.2	10,262
Kajulu	0.6	2.6	2.4	1.3	71.7	21.3	0.2	0.1	3,077
Kolwa East	0.2	0.3	0.2	0.4	93.7	5.1	0.1	-	1,718
Manyatta B	1.4	12.0	3.4	1.4	8.4	73.1	-	0.3	1,668
Nyalenda A	0.8	15.8	1.5	0.6	9.9	70.9	0.1	0.3	1,681
Kolwa Central	0.2	5.1	2.2	0.5	59.8	31.8	0.1	0.2	2,118
Kisumu West Constituency	0.3	2.0	1.2	0.7	80.7	14.7	0.1	0.2	10,493
South West Kisumu	0.5	0.4	0.3	0.6	92.9	5.2	0.0	0.0	2,018
Central Kisumu	0.2	3.6	1.8	0.9	60.0	32.5	0.1	0.8	2,455
Kisumu North	0.3	2.6	0.7	0.5	89.0	6.8	-	0.1	2,072
West Kisumu	0.0	0.7	0.3	0.8	88.6	9.4	0.0	0.1	2,043
North West Kisumu	0.7	2.3	3.0	0.4	77.2	16.2	0.1	0.1	1,905
Kisumu Central Constituency	1.7	12.6	11.4	2.8	5.7	65.3	0.0	0.5	11,831
Railways	1.4	10.4	6.5	4.3	13.3	63.2	0.1	0.7	2,307
Migosi	1.4	9.5	26.0	4.7	1.6	56.6	-	0.3	1,541
Shauri Moyo/Kaloleni	2.0	10.4	19.1	0.3	0.7	67.4	-	0.2	1,227
Market Milimani	3.3	15.9	25.1	4.0	1.9	48.6	-	1.2	1,291
Kondele	1.5	14.6	4.3	2.0	2.9	74.4	-	0.4	3,357
Nyalenda B	1.4	13.1	4.6	1.7	10.2	68.4	0.0	0.6	2,108
Seme Constituency	0.1	0.6	0.1	0.2	94.0	4.8	0.1	0.1	10,893
West Seme	0.0	0.7	0.1	0.1	94.6	4.3	0.0	0.1	3,319
Central Seme	0.2	0.8	0.2	0.4	90.4	7.8	0.1	0.1	2,490
East Seme	-	0.3	-	0.1	97.0	2.4	0.1	0.1	2,246
North Seme	0.1	0.7	0.2	0.3	94.1	4.6	0.1	0.0	2,838
Nyando Constituency	0.2	1.2	0.5	0.3	86.7	11.0	0.1	0.0	13,192
East Kano/Wawidhi	-	0.4	0.1	0.3	96.5	2.8	-	-	1,810
Awasi/Onjiko	0.3	1.8	0.3	0.6	85.8	11.1	0.1	0.1	2,452
Ahero	0.4	2.4	1.2	0.2	72.9	22.7	0.1	0.0	3,192
Kabonyo/Kanyagwal	0.0	0.1	0.1	0.3	96.1	3.3	-	0.0	2,266

Kobura	0.2	0.6	0.6	0.3	88.9	9.4	0.1	-	3,472
Muhoroni Constituency	1.0	1.3	0.4	0.3	83.9	12.9	0.1	0.2	10,722
Miwani	0.4	1.9	0.3	0.3	83.6	13.3	-	0.1	1,409
Ombeyi	-	0.2	0.0	0.0	96.2	3.4	0.0	0.0	2,245
Masogo/Nyangoma	0.2	1.5	0.2	0.4	92.7	4.8	0.2	0.0	2,902
Chemilil	3.6	1.2	0.2	0.5	78.8	15.2	0.0	0.5	2,288
Muhoroni Koru	0.6	1.7	1.5	0.2	62.2	33.7	0.1	0.1	1,878
Nyakach Constituency	0.3	0.7	0.2	0.3	90.7	7.8	0.0	0.1	13,327
South West Nyakach	0.1	0.2	0.1	0.4	95.0	4.2	-	-	1,819
North Nyakach	-	1.0	0.2	0.2	87.7	10.8	0.1	0.0	3,404
Central Nyakach	-	0.2	0.2	0.2	96.0	3.3	0.0	0.0	2,618
West Nyakach	0.4	0.2	0.2	0.4	92.0	6.8	-	0.1	2,741
South East Nyakach	0.9	1.5	0.4	0.5	84.9	11.7	-	0.1	2,745

Table 17.12: 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
Kisumu County	18.3	0.5	23.2	56.2	0.4	0.2	1.0	0.2	141,137
Kisumu East Constituency	20.2	0.6	26.6	51.2	0.4	0.2	0.5	0.3	26,645
Kajulu	19.2	0.6	22.6	56.3	0.5	0.2	0.6	0.1	6,150
Kolwa East	6.2	0.3	19.3	72.8	0.5	0.1	0.7	0.0	2,790
Manyatta B	24.2	0.7	32.3	42.0	0.1	0.2	0.3	0.3	6,099
Nyalenda A	28.6	0.6	28.5	41.2	0.5	0.1	0.1	0.4	6,188
Kolwa Central	16.9	0.8	28.1	51.9	0.5	0.3	1.0	0.5	5,418
Kisumu West Constituency	11.8	0.5	25.5	60.5	0.4	0.2	1.0	0.1	17,981
South West Kisumu	5.2	0.3	17.7	75.6	0.4	0.0	0.7	0.0	2,883
Central Kisumu	14.9	0.5	27.0	56.2	0.2	0.1	0.9	0.3	6,070
Kisumu North	14.2	0.4	31.3	52.5	0.4	0.4	0.8	0.0	3,176
West Kisumu	5.0	0.8	22.5	69.2	0.9	0.2	1.4	0.0	2,861
North West Kisumu	17.3	0.7	27.6	52.6	0.4	0.2	1.1	0.0	2,991
Kisumu Central Constituency	56.4	0.5	19.1	23.5	0.1	0.1	0.1	0.3	31,231
Railways	47.8	0.4	15.6	35.6	0.1	0.1	0.2	0.2	7,158
Migosi	77.1	0.4	10.5	11.7	0.0	0.0	0.0	0.2	3,232
Shauri Moyo/Kaloleni	77.9	0.4	11.6	9.5	0.1	0.1	0.1	0.4	2,337
Market Milimani	84.2	0.2	11.2	3.8	0.1	0.1	0.1	0.4	3,127

Kondele	50.3	0.7	25.0	23.4	0.1	0.2	0.1	0.3	9,104
Nyalenda B	39.4	0.5	26.3	32.9	0.3	0.1	0.1	0.5	6,273
Seme Constituency	2.6	0.3	17.1	78.4	0.4	0.2	1.0	0.0	11,755
West Seme	2.9	0.3	18.1	77.0	0.3	0.2	1.1	0.0	3,425
Central Seme	3.9	0.5	19.5	74.3	0.4	0.3	1.0	0.0	2,778
East Seme	0.6	0.1	14.6	83.1	0.3	0.3	0.9	0.0	2,599
North Seme	2.7	0.3	15.5	79.9	0.4	0.1	1.0	0.1	2,953
Nyando Constituency	5.1	0.6	22.5	69.7	0.5	0.3	1.3	0.1	16,676
East Kano/Wawidhi	0.5	0.5	20.7	75.3	0.5	0.9	1.6	0.0	1,912
Awasi/Onjiko	4.0	1.3	24.2	68.1	0.5	0.1	1.6	0.2	3,213
Ahero	10.7	0.5	23.5	63.5	0.4	0.4	1.0	0.1	4,465
Kabonyo/Kanyagwal	2.3	0.3	16.5	79.6	0.3	0.1	0.9	0.0	2,985
Kobura	4.3	0.4	25.4	67.5	0.7	0.1	1.5	0.0	4,101
Muhoroni Constituency	7.8	0.7	22.7	66.6	0.4	0.3	1.3	0.2	22,188
Miwani	13.0	0.8	14.5	70.3	0.5	0.2	0.6	0.0	2,982
Ombeyi	1.1	1.0	10.9	85.2	0.6	0.2	0.8	0.1	3,423
Masogo/Nyangoma	1.9	0.6	19.2	76.0	0.4	0.4	1.4	0.1	4,131
Chemilil	11.6	0.5	30.1	54.6	0.3	0.5	1.9	0.5	5,365
Muhoroni Koru	11.0	0.7	31.4	54.8	0.3	0.1	1.3	0.3	6,287
Nyakach Constituency	2.8	0.5	28.7	64.5	0.8	0.4	2.3	0.1	14,661
South West Nyakach	1.7	0.7	31.1	62.8	0.5	0.0	3.2	0.0	1,855
North Nyakach	1.3	0.4	31.3	63.9	0.4	0.6	2.0	0.1	3,631
Central Nyakach	0.3	0.2	23.1	73.2	1.0	0.1	2.1	0.1	2,567
West Nyakach	2.2	0.7	31.4	61.4	0.7	0.7	2.9	0.1	3,077
South East Nyakach	7.7	0.8	26.5	62.0	1.1	0.2	1.7	0.1	3,531

Table 17.13: 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
Kisumu County	20.8	0.6	24.1	52.6	0.4	0.2	1.1	0.2	141,137
Kisumu East Constituency	21.3	0.7	27.6	48.9	0.4	0.2	0.6	0.3	26,645
Kajulu	21.2	0.7	23.8	53.0	0.4	0.1	0.7	0.1	6,150
Kolwa East	7.5	0.5	21.6	69.1	0.4	0.1	0.9	0.0	2,790
Manyatta B	22.7	0.7	32.8	43.0	0.1	0.2	0.4	0.3	6,099
Nyalenda A	29.4	0.6	28.1	40.7	0.5	0.2	0.1	0.4	6,188
Kolwa Central	17.8	0.9	28.8	49.9	0.5	0.3	1.2	0.5	5,418
Kisumu West Constituency	13.5	0.6	26.5	57.7	0.4	0.2	1.1	0.2	17,981
South West Kisumu	5.8	0.3	19.2	73.6	0.2	0.1	0.7	0.0	2,883
Central Kisumu	16.4	0.6	27.4	54.1	0.2	0.1	0.9	0.4	6,070
Kisumu North	16.6	0.4	32.1	49.0	0.3	0.4	1.1	0.0	3,176
West Kisumu	5.8	1.0	23.9	66.7	0.8	0.1	1.5	0.0	2,861
North West Kisumu	19.0	0.7	28.0	50.1	0.5	0.3	1.4	0.1	2,991
Kisumu Central Constituency	55.5	0.5	19.1	24.1	0.1	0.1	0.1	0.3	31,231

Railways	47.9	0.4	15.7	35.3	0.1	0.1	0.2	0.3	7,158
Migosi	75.5	0.5	11.0	12.6	0.1	0.0	0.1	0.2	3,232
Shauri Moyo/Kaloleni	77.1	0.6	11.8	9.7	0.1	0.2	0.1	0.5	2,337
Market Milimani	85.0	0.2	10.5	3.7	0.1	0.1	0.1	0.3	3,127
Kondele	50.1	0.7	24.6	24.0	0.1	0.1	0.1	0.3	9,104
Nyalenda B	39.3	0.4	26.3	33.0	0.3	0.1	0.1	0.5	6,273
Seme Constituency	3.3	0.3	18.6	75.8	0.3	0.2	1.2	0.0	11,755
West Seme	4.1	0.3	19.9	73.7	0.3	0.3	1.3	0.0	3,425
Central Seme	4.8	0.6	21.2	71.6	0.4	0.3	1.3	0.0	2,778
East Seme	0.9	0.1	15.4	81.6	0.4	0.4	1.2	0.1	2,599
North Seme	3.3	0.3	17.4	77.3	0.3	0.0	1.2	0.1	2,953
Nyando Constituency	6.0	0.6	23.9	67.1	0.5	0.2	1.6	0.1	16,676
East Kano/Wawidhi	0.6	0.6	21.7	74.1	0.7	0.7	1.6	0.1	1,912
Awasi/Onjiko	4.7	1.2	25.5	65.5	0.7	0.2	1.9	0.3	3,213
Ahero	12.7	0.6	24.4	60.2	0.3	0.3	1.4	0.1	4,465
Kabonyo/Kanyagwal	2.5	0.4	17.7	78.0	0.3	0.0	1.1	0.0	2,985
Kobura	4.8	0.4	27.6	64.5	0.7	0.1	1.9	0.0	4,101
Muhoroni Constituency	9.1	0.7	23.6	64.3	0.3	0.3	1.3	0.3	22,188
Miwani	15.7	0.9	15.4	66.6	0.4	0.3	0.7	0.1	2,982
Ombeyi	1.3	1.1	12.2	83.5	0.6	0.3	1.0	0.1	3,423
Masogo/Nyangoma	1.8	0.6	19.7	75.6	0.3	0.3	1.7	0.1	4,131
Chemilil	13.7	0.4	30.0	53.0	0.2	0.4	1.7	0.5	5,365
Muhoroni Koru	11.3	0.7	30.8	55.1	0.3	0.1	1.4	0.3	6,287
Nyakach Constituency	3.6	0.6	31.0	60.8	0.7	0.3	2.9	0.1	14,661
South West Nyakach	2.5	0.7	35.4	56.4	0.5	0.1	4.4	0.1	1,855
North Nyakach	1.8	0.4	34.1	59.8	0.5	0.6	2.6	0.1	3,631
Central Nyakach	0.5	0.2	24.7	71.0	0.9	0.1	2.6	0.1	2,567
West Nyakach	3.1	0.8	33.5	58.1	0.6	0.5	3.4	0.1	3,077
South East Nyakach	8.8	0.9	27.9	59.0	1.1	0.2	2.0	0.1	3,531

Table 17.14: 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
Kisumu County	13.8	0.5	21.5	62.6	0.5	0.3	0.9	0.1	80,720
Kisumu East Constituency	17.2	0.5	23.9	57.1	0.5	0.2	0.3	0.1	10,262
Kajulu	15.2	0.4	20.1	62.9	0.7	0.2	0.3	0.0	3,077
Kolwa East	4.2	0.1	15.5	78.9	0.7	0.1	0.4	0.1	1,718
Manyatta B	29.5	0.7	30.5	38.4	0.3	0.2	0.1	0.2	1,668
Nyalenda A	25.8	0.6	29.9	43.1	0.4	-	-	0.2	1,681

Kolwa Central	14.4	0.8	26.1	56.8	0.4	0.5	0.8	0.3	2,118
Kisumu West Constituency	9.0	0.4	23.9	65.3	0.5	0.2	0.8	0.0	10,493
South West Kisumu	4.4	0.3	15.5	78.3	0.5	-	0.8	0.0	2,018
Central Kisumu	11.1	0.3	25.8	61.4	0.2	0.1	0.9	0.1	2,455
Kisumu North	10.6	0.3	30.2	57.8	0.5	0.3	0.3	0.0	2,072
West Kisumu	3.9	0.4	20.5	72.7	0.9	0.2	1.3	0.0	2,043
North West Kisumu	14.7	0.5	27.0	56.5	0.4	0.2	0.7	-	1,905
Kisumu Central Constituency	58.5	0.4	18.9	21.7	0.1	0.1	0.1	0.2	11,831
Railways	47.6	0.3	15.3	36.3	0.1	0.1	-	0.2	2,307
Migosi	80.3	0.3	9.6	9.8	-	0.1	-	-	1,541
Shauri Moyo/Kaloleni	79.5	0.1	11.2	9.1	-	-	-	0.2	1,227
Market Milimani	82.3	0.2	13.1	3.8	0.1	-	0.1	0.5	1,291
Kondele	51.0	0.6	25.9	21.9	0.2	0.2	0.1	0.2	3,357
Nyalenda B	39.6	0.6	26.4	32.4	0.4	0.1	0.1	0.4	2,108
Seme Constituency	1.8	0.3	15.4	81.1	0.4	0.2	0.8	0.0	10,893
West Seme	1.7	0.3	16.3	80.3	0.3	0.1	0.9	0.0	3,319
Central Seme	3.1	0.4	17.6	77.3	0.5	0.3	0.8	-	2,490
East Seme	0.2	0.1	13.8	84.8	0.3	0.1	0.7	-	2,246
North Seme	2.1	0.3	13.6	82.5	0.5	0.2	0.8	0.0	2,838
Nyando Constituency	3.9	0.5	20.8	72.9	0.5	0.3	0.9	0.1	13,192
East Kano/Wawidhi	0.4	0.5	19.6	76.5	0.3	1.1	1.6	-	1,810
Awasi/Onjiko	3.0	1.3	22.4	71.6	0.3	0.1	1.1	0.2	2,452
Ahero	7.9	0.3	22.1	68.0	0.6	0.6	0.5	0.1	3,192
Kabonyo/Kanyagwal	2.1	0.1	14.9	81.7	0.4	0.1	0.7	-	2,266
Kobura	3.8	0.4	23.0	70.9	0.7	0.1	1.1	0.1	3,472
Muhoroni Constituency	4.9	0.7	20.9	71.3	0.5	0.3	1.2	0.2	10,722
Miwani	7.5	0.6	12.6	78.3	0.6	0.1	0.3	-	1,409
Ombeyi	0.9	0.9	9.1	87.8	0.6	0.1	0.6	-	2,245
Masogo/Nyangoma	2.0	0.6	18.5	76.6	0.7	0.4	1.1	0.1	2,902
Chemilil	6.6	0.6	30.4	58.5	0.3	0.7	2.4	0.5	2,288
Muhoroni Koru	10.2	0.7	33.5	53.7	0.4	-	1.3	0.1	1,878

Nyakach Constituency	1.9	0.5	26.1	68.7	0.8	0.4	1.6	0.0	13,327
South West Nyakach	1.0	0.6	26.7	69.2	0.5	-	1.9	-	1,819
North Nyakach	0.6	0.4	28.3	68.3	0.3	0.6	1.4	0.0	3,404
Central Nyakach	0.2	0.2	21.5	75.2	1.1	0.1	1.6	0.1	2,618
West Nyakach	1.2	0.6	29.0	65.2	0.8	0.9	2.3	0.1	2,741
South East Nyakach	6.2	0.6	24.7	65.8	1.1	0.2	1.2	0.0	2,745

Table 17.15: 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
Kisumu County	42.2	1.6	0.4	55.3	0.5	221,857
Kisumu East Constituency	53.8	1.3	0.3	44.4	0.2	36,907
Kajulu	42.6	2.7	0.4	54.2	0.1	9,227
Kolwa East	15.4	0.3	0.1	84.1	0.1	4,508
Manyatta B	74.5	0.9	0.3	24.3	0.1	7,767
Nyalenda A	73.9	0.7	0.2	24.6	0.7	7,869
Kolwa Central	48.1	1.2	0.3	50.3	0.1	7,536
Kisumu West Constituency	40.0	1.0	0.2	58.8	0.1	28,474
South West Kisumu	22.6	0.4	0.1	76.7	0.1	4,901
Central Kisumu	55.2	0.8	0.2	43.7	0.1	8,525
Kisumu North	38.4	1.3	0.2	60.1	0.1	5,248
West Kisumu	30.6	0.8	0.3	68.3	0.0	4,904
North West Kisumu	41.9	1.5	0.3	56.3	0.0	4,896
Kisumu Central Constituency	80.5	5.5	0.4	12.5	1.2	43,062
Railways	72.4	4.9	0.2	22.4	0.1	9,465
Migosi	79.9	12.6	0.1	3.9	3.5	4,773
Shauri Moyo/Kaloleni	88.5	7.8	0.2	3.4	0.1	3,564
Market Milimani	78.6	17.8	2.1	1.1	0.4	4,418
Kondele	87.6	0.9	0.2	11.4	0.0	12,461
Nyalenda B	76.9	1.5	0.3	17.6	3.6	8,381
Seme Constituency	24.4	0.2	0.3	74.5	0.5	22,648
West Seme	30.3	0.2	0.2	69.2	-	6,744
Central Seme	28.9	0.3	0.3	70.4	0.1	5,268
East Seme	16.4	0.2	0.5	82.6	0.3	4,845
North Seme	20.2	0.2	0.2	77.6	1.8	5,791
Nyando Constituency	17.8	0.5	0.4	80.7	0.6	29,868
East Kano/Wawidhi	6.5	0.1	0.6	92.7	0.1	3,722
Awasi/Onjiko	18.5	0.4	0.4	78.6	2.2	5,665
Ahero	31.4	0.9	0.6	67.0	0.2	7,657
Kabonyo/Kanyagwal	8.2	0.2	0.3	91.1	0.2	5,251

Kobura	15.9	0.5	0.3	83.0	0.3	7,573
Muhoroni Constituency	30.4	0.3	0.5	68.5	0.3	32,910
Miwani	38.4	0.4	0.3	60.7	0.2	4,391
Ombeyi	6.2	0.1	0.4	93.0	0.2	5,668
Masogo/Nyangoma	11.9	0.2	0.6	87.0	0.3	7,033
Chemilil	41.5	0.3	0.4	57.3	0.5	7,653
Muhoroni Koru	48.4	0.4	0.5	50.4	0.2	8,165
Nyakach Constituency	24.6	0.4	0.9	73.6	0.5	27,988
South West Nyakach	25.4	0.2	0.4	74.0	0.1	3,674
North Nyakach	20.7	0.4	0.4	77.9	0.6	7,035
Central Nyakach	17.8	0.3	0.6	79.8	1.4	5,185
West Nyakach	27.0	0.8	2.6	69.5	0.1	5,818
South East Nyakach	31.7	0.4	0.3	67.4	0.2	6,276

Table 17.16: Main Material of the Floor in Male and Female Headed Households by County, Constituency and Ward

County/Constituency/ wards	Cement	Tiles	Wood	Earth	Other	House- holds		Cement	Tiles	Wood	Earth	Other	Households
Kenya	42.8	1.6	0.8	54.2	0.6	5,762,320		37.7	1.4	0.7	59.8	0.5	2,731,060
Rural	22.1	0.3	0.7	76.4	0.4	3,413,616		22.2	0.3	0.6	76.6	0.3	1,826,263
Urban	72.9	3.5	0.9	21.9	0.8	2,348,704		69.0	3.6	0.9	25.8	0.8	904,797
Kisumu County	46.8	1.7	0.4	50.6	0.5	141,137		34.2	1.4	0.4	63.4	0.5	80,720
Kisumu East Constituency	57.2	1.2	0.2	41.1	0.2	26,645		44.8	1.4	0.3	53.3	0.2	10,262
Kajulu	46.0	2.8	0.4	50.7	0.2	6,150		35.7	2.6	0.4	61.2	0.0	3,077
Kolwa East	17.3	0.4	0.1	82.1	0.1	2,790		12.2	0.2	0.2	87.3	0.1	1,718
Manyatta B	74.5	0.8	0.2	24.5	0.0	6,099		74.5	1.4	0.4	23.7	0.1	1,668
Nyalenda A	74.6	0.6	0.2	24.0	0.6	6,188		71.2	0.8	0.1	26.9	1.0	1,681
Kolwa Central	51.3	1.2	0.3	47.2	0.1	5,418		40.0	1.2	0.2	58.4	0.1	2,118
Kisumu West Constituency	42.6	1.0	0.2	56.1	0.1	17,981		35.4	0.8	0.2	63.5	0.0	10,493
South West Kisumu	23.6	0.5	0.1	75.5	0.2	2,883		21.2	0.3	0.1	78.3	0.0	2,018
Central Kisumu	58.6	0.8	0.1	40.4	0.1	6,070		47.0	0.9	0.3	51.8	0.0	2,455
Kisumu North	38.4	1.5	0.3	59.7	0.1	3,176		38.3	1.0	0.1	60.6	0.1	2,072
West Kisumu	31.7	0.7	0.3	67.2	0.0	2,861		29.2	0.8	0.2	69.8	-	2,043
North West Kisumu	43.6	1.8	0.2	54.4	0.0	2,991		39.3	1.1	0.3	59.3	0.1	1,905
Kisumu Central Constituency	80.5	5.3	0.4	12.8	1.1	31,231		80.5	6.1	0.5	11.6	1.3	11,831
Railways	73.2	4.4	0.3	22.0	0.1	7,158		69.9	6.4	0.2	23.4	0.1	2,307
Migosi	80.8	11.6	0.1	4.2	3.3	3,232		78.0	14.7	0.2	3.1	4.0	1,541

Shauri Moyo/Kaloleni	88.6	7.6	0.2	3.5	0.1	2,337		88.3	8.1	0.3	3.2	0.2	1,227
Market Milimani	76.8	19.5	2.1	1.3	0.3	3,127		83.0	13.8	1.9	0.6	0.7	1,291
Kondele	87.5	0.8	0.1	11.5	0.0	9,104		87.7	1.0	0.3	11.0	0.0	3,357
Nyalenda B	77.2	1.4	0.3	17.6	3.5	6,273		76.2	1.9	0.4	17.6	3.9	2,108
Seme Constituency	25.3	0.2	0.2	73.7	0.5	11,755		23.5	0.2	0.4	75.4	0.5	10,893
West Seme	31.1	0.2	0.2	68.5	-	3,425		29.6	0.2	0.2	70.0	-	3,319
Central Seme	30.7	0.3	0.2	68.8	0.1	2,778		26.9	0.2	0.4	72.3	0.1	2,490
East Seme	16.7	0.2	0.3	82.6	0.2	2,599		16.2	0.2	0.7	82.5	0.4	2,246
North Seme	21.2	0.3	0.1	76.6	1.8	2,953		19.1	0.2	0.3	78.7	1.7	2,838
Nyando Constituency	19.5	0.5	0.5	78.9	0.6	16,676		15.7	0.4	0.4	83.0	0.6	13,192
East Kano/Wawidhi	6.5	0.2	0.6	92.6	0.1	1,912		6.5	-	0.5	92.8	0.2	1,810
Awasi/Onjiko	20.4	0.3	0.4	76.7	2.1	3,213		16.0	0.4	0.3	81.1	2.2	2,452
Ahero	34.7	0.9	0.6	63.5	0.2	4,465		26.8	0.8	0.5	71.8	0.2	3,192
Kabonyo/Kanyagwal	8.1	0.3	0.3	91.2	0.1	2,985		8.2	0.2	0.4	91.0	0.3	2,266
Kobura	16.7	0.6	0.4	82.0	0.3	4,101		15.0	0.3	0.2	84.3	0.3	3,472
Muhoroni Constituency	34.9	0.3	0.5	64.0	0.3	22,188		21.1	0.2	0.5	77.9	0.3	10,722
Miwani	46.3	0.6	0.3	52.7	0.1	2,982		21.6	0.1	0.4	77.6	0.3	1,409
Ombeyi	6.5	0.2	0.4	92.6	0.3	3,423		5.9	-	0.4	93.5	0.1	2,245
Masogo/Nyangoma	13.4	0.2	0.7	85.4	0.3	4,131		9.9	0.1	0.4	89.2	0.3	2,902
Chemilil	45.4	0.2	0.4	53.4	0.6	5,365		32.3	0.3	0.3	66.5	0.4	2,288
Muhoroni Koru	50.1	0.4	0.5	48.8	0.2	6,287		42.7	0.7	0.6	55.8	0.2	1,878
Nyakach Constituency	27.0	0.6	0.9	71.0	0.4	14,661		21.9	0.3	0.8	76.5	0.6	13,327
South West Nyakach	28.0	0.1	0.5	71.4	-	1,855		22.8	0.2	0.3	76.6	0.1	1,819
North Nyakach	24.4	0.5	0.3	74.1	0.7	3,631		16.7	0.2	0.4	82.1	0.5	3,404
Central Nyakach	18.6	0.5	0.8	79.2	0.9	2,567		17.1	0.1	0.4	80.5	1.9	2,618
West Nyakach	29.6	1.2	2.8	66.4	0.0	3,077		24.2	0.4	2.4	73.0	0.1	2,741
South East Nyakach	33.2	0.4	0.3	65.9	0.2	3,531		29.8	0.4	0.3	69.3	0.2	2,745
Ibeno	22.2	0.2	0.3	77.3	0.1	2,871		17.2	0.1	0.8	81.6	0.3	1,532
Kitutu Chache North Constituency	9.5	0.1	0.4	89.8	0.2	13,427		6.2	0.1	0.3	93.3	0.1	8,945
Monyerero	13.3	0.2	0.6	85.7	0.2	3,612		9.1	0.1	0.6	90.1	0.1	2,277
Sensi	7.3	0.2	0.4	91.9	0.3	3,592		5.3	0.1	0.3	94.3	0.1	2,384

Marani	9.6	0.1	0.2	90.0	0.1	3,749		5.9	0.1	0.0	93.7	0.2	2,412
Kegogi	7.2	0.1	0.4	92.2	0.1	2,474		4.2	0.1	0.2	95.5	0.1	1,872
Kitutu Chache South Constituency	42.6	0.9	0.2	55.8	0.5	19,763		34.9	0.6	0.3	63.9	0.3	9,367
Bogusero	19.4	0.3	0.2	79.8	0.3	3,256		17.0	0.3	0.4	82.3	0.1	1,946
Bogeka	15.6	0.3	0.3	83.4	0.3	1,755		12.6	0.2	0.3	86.6	0.3	1,016
Nyakoe	18.0	0.5	0.3	81.0	0.3	3,157		16.0	0.2	0.4	83.3	0.1	1,666
Kitutu Central	75.3	1.5	0.2	22.3	0.7	8,804		74.7	1.3	0.4	23.1	0.6	3,224
Nyatieko	11.3	0.4	0.1	88.0	0.1	2,791		9.1	0.2	-	90.6	0.1	1,515

Table 17.17: Main Roofing Material by County Constituency and Wards

County/Constituency/Wards	Corrugated Iron Sheets	Tiles	Concrete	Asbestos sheets	Grass	Makuti	Tin	Mud/Dung	Other	Households
Kenya	73.5	2.2	3.6	2.2	13.3	3.2	0.3	0.8	1.0	8,493,380
Rural	70.3	0.7	0.2	1.8	20.2	4.2	0.2	1.2	1.1	5,239,879
Urban	78.5	4.6	9.1	2.9	2.1	1.5	0.3	0.1	0.9	3,253,501
Kisumu County	84.9	1.7	1.1	2.6	9.1	0.1	0.2	0.0	0.3	221,857
Kisumu East Constituency	94.6	0.6	0.5	1.2	2.6	0.0	0.3	0.1	0.1	36,907
Kajulu	93.0	1.5	0.5	1.8	3.0	0.1	0.0	0.1	0.1	9,227
Kolwa East	87.6	0.3	0.0	0.0	11.9	0.0	0.0	0.0	0.0	4,508
Manyatta B	96.8	0.3	0.5	2.3	0.0	0.0	0.0	0.0	0.0	7,767
Nyalenda A	96.2	0.2	0.8	0.7	0.1	0.0	1.2	0.1	0.6	7,869
Kolwa Central	96.7	0.6	0.7	0.4	1.6	0.0	0.0	0.0	0.0	7,536
Kisumu West Constituency	87.4	1.5	0.2	2.2	8.4	0.1	0.1	0.0	0.1	28,474
South West Kisumu	76.9	0.6	0.4	3.0	18.6	0.0	0.2	0.0	0.1	4,901
Central Kisumu	90.9	2.9	0.2	3.2	2.2	0.2	0.2	0.1	0.2	8,525
Kisumu North	93.3	0.9	0.0	0.8	4.6	0.1	0.1	0.1	0.1	5,248
West Kisumu	82.5	0.6	0.1	1.0	15.7	0.0	0.0	0.0	0.1	4,904
North West Kisumu	90.2	1.4	0.3	2.1	5.8	0.1	0.0	0.0	0.0	4,896
Kisumu Central Constituency	82.4	5.2	4.6	6.3	0.1	0.0	0.1	0.1	1.2	43,062
Railways	82.7	4.9	4.0	7.7	0.1	0.0	0.3	0.1	0.1	9,465
Migosi	78.6	6.9	8.6	2.3	0.0	0.0	0.0	0.0	3.5	4,773
Shauri Moyo/Kaloleni	62.3	4.2	4.1	28.8	0.0	0.1	0.4	0.0	0.1	3,564
Market Milimani	43.9	27.1	17.5	10.3	0.0	0.1	0.1	0.0	1.1	4,418
Kondele	95.4	0.2	1.6	2.6	0.1	0.0	0.1	0.0	0.0	12,461
Nyalenda B	93.6	0.9	1.0	0.6	0.2	0.0	0.1	0.0	3.6	8,381
Seme Constituency	73.6	0.4	0.0	1.0	24.7	0.2	0.0	0.0	0.1	22,648
West Seme	73.4	0.4	0.0	1.5	24.5	0.1	0.0	0.0	0.0	6,744
Central Seme	73.4	0.4	0.0	1.9	24.1	0.0	0.0	0.0	0.0	5,268
East Seme	76.1	0.5	0.0	0.1	22.6	0.5	0.1	0.1	0.1	4,845
North Seme	71.9	0.4	0.0	0.2	27.1	0.1	0.0	0.0	0.2	5,791
Nyando Constituency	84.8	0.5	0.1	0.9	13.3	0.1	0.2	0.0	0.1	29,868

East Kano/Wawidhi	76.6	0.4	0.0	0.1	22.7	0.1	0.0	0.0	0.1	3,722
Awasi/Onjiko	83.9	0.5	0.0	0.4	15.0	0.1	0.1	0.0	0.0	5,665
Ahero	89.2	0.6	0.1	2.1	7.8	0.0	0.0	0.0	0.0	7,657
Kabonyo/Kanyagwal	78.9	0.5	0.0	1.6	18.0	0.1	0.7	0.0	0.2	5,251
Kobura	89.2	0.5	0.0	0.2	9.9	0.1	0.0	0.0	0.2	7,573
Muhoroni Constituency	77.2	1.2	0.1	3.5	17.2	0.3	0.3	0.1	0.1	32,910
Miwani	81.3	0.6	0.4	1.5	15.9	0.0	0.1	0.0	0.0	4,391
Ombeyi	72.0	0.4	0.1	2.0	24.2	1.2	0.0	0.0	0.2	5,668
Masogo/Nyangoma	72.6	0.6	0.0	4.8	21.8	0.1	0.1	0.0	0.1	7,033
Chemilil	81.5	0.6	0.1	6.0	11.3	0.1	0.0	0.2	0.2	7,653
Muhoroni Koru	78.8	2.9	0.1	2.3	14.7	0.1	1.1	0.0	0.1	8,165
Nyakach Constituency	91.5	0.6	0.1	1.4	5.7	0.1	0.5	0.0	0.0	27,988
South West Nyakach	91.7	0.5	0.0	0.8	7.0	0.0	0.0	0.0	0.0	3,674
North Nyakach	87.1	0.5	0.1	4.0	7.6	0.3	0.4	0.1	0.0	7,035
Central Nyakach	93.6	0.5	0.0	0.1	5.6	0.1	0.0	0.0	0.0	5,185
West Nyakach	94.3	0.9	0.1	0.8	4.0	0.0	0.0	0.0	0.0	5,818
South East Nyakach	92.3	0.7	0.2	0.3	4.6	0.0	1.8	0.0	0.1	6,276

Table 17.18: 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
Kisumu County	83.5	1.8	1.2	2.6	10.1	0.1	0.2	0.1	0.4	141,137
Kisumu East Constituency	94.3	0.6	0.6	1.1	2.9	0.0	0.3	0.1	0.2	26,645
Kajulu	92.3	1.5	0.6	1.8	3.6	0.1	0.0	0.1	0.1	6,150
Kolwa East	83.4	0.2	0.0	0.0	16.2	0.0	-	-	0.0	2,790
Manyatta B	97.0	0.3	0.5	2.1	0.0	0.0	-	0.0	-	6,099
Nyalenda A	96.4	0.1	0.8	0.6	0.0	0.0	1.3	0.2	0.5	6,188
Kolwa Central	96.6	0.6	0.7	0.4	1.8	-	-	0.0	-	5,418
Kisumu West Constituency	85.4	1.8	0.3	2.3	9.7	0.1	0.1	0.0	0.1	17,981
South West Kisumu	73.1	0.5	0.6	3.4	21.8	0.1	0.3	-	0.2	2,883
Central Kisumu	90.0	3.5	0.3	3.3	2.4	0.2	0.2	0.1	0.2	6,070
Kisumu North	91.6	1.1	0.0	1.0	5.9	0.1	0.0	0.1	0.2	3,176
West Kisumu	78.0	0.7	0.1	1.0	20.0	0.0	-	-	0.1	2,861
North West Kisumu	88.6	1.6	0.3	1.9	7.4	0.2	0.0	0.0	0.1	2,991

Kisumu Central Constituency	83.5	5.0	4.4	5.6	0.1	0.0	0.1	0.1	1.2	31,231
Railways	83.7	4.5	3.7	7.4	0.1	0.0	0.3	0.2	0.1	7,158
Migosi	79.5	6.5	8.0	2.5	-	0.0	-	0.0	3.3	3,232
Shauri Moyo/Kaloleni	65.5	3.9	3.9	26.0	-	0.0	0.5	-	0.1	2,337
Market Milimani	44.5	27.4	18.1	8.8	0.0	0.1	0.1	-	1.0	3,127
Kondele	95.8	0.2	1.5	2.2	0.1	0.0	0.1	0.0	0.0	9,104
Nyalenda B	93.7	0.9	0.9	0.7	0.2	-	0.0	0.0	3.5	6,273
Seme Constituency	68.8	0.5	0.0	0.9	29.4	0.2	0.0	0.0	0.1	11,755
West Seme	67.8	0.4	0.1	1.3	30.2	0.2	-	0.1	-	3,425
Central Seme	70.3	0.4	0.0	1.8	27.3	0.1	-	-	0.1	2,778
East Seme	70.8	0.6	0.0	0.2	27.7	0.5	0.1	0.1	0.1	2,599
North Seme	66.9	0.4	0.0	0.2	32.0	0.1	-	-	0.4	2,953
Nyando Constituency	81.2	0.5	0.1	0.9	17.0	0.1	0.1	0.0	0.1	16,676
East Kano/Wawidhi	70.7	0.3	0.1	0.1	28.8	0.1	-	-	0.1	1,912
Awasi/Onjiko	80.4	0.4	0.0	0.5	18.4	0.1	0.1	0.0	-	3,213
Ahero	87.4	0.7	0.2	1.8	9.8	0.0	0.0	0.1	0.0	4,465
Kabonyo/Kanyagwal	73.1	0.5	-	1.5	23.9	0.2	0.6	-	0.2	2,985
Kobura	85.7	0.5	-	0.2	13.3	0.1	0.0	0.0	0.2	4,101
Muhoroni Constituency	74.7	1.3	0.1	3.6	19.5	0.3	0.3	0.1	0.2	22,188
Miwani	79.6	0.8	0.6	1.7	17.2	0.1	0.0	0.0	0.1	2,982
Ombeyi	65.1	0.5	0.1	2.1	30.8	1.3	-	-	0.2	3,423
Masogo/Nyangoma	67.5	0.6	0.0	4.2	27.4	0.1	0.1	-	0.1	4,131
Chemilil	79.8	0.6	0.1	6.5	12.5	0.1	0.0	0.2	0.3	5,365
Muhoroni Koru	78.0	3.0	0.1	2.4	15.3	0.1	1.1	0.0	0.1	6,287
Nyakach Constituency	89.5	0.7	0.1	1.5	7.4	0.2	0.6	0.0	0.0	14,661
South West Nyakach	89.4	0.5	0.1	1.2	8.6	-	0.1	-	0.1	1,855
North Nyakach	84.5	0.4	0.2	4.2	9.6	0.4	0.5	0.1	0.0	3,631
Central Nyakach	90.9	0.5	-	0.2	8.0	0.2	0.0	0.0	-	2,567
West Nyakach	92.7	1.1	0.1	0.7	5.3	0.1	-	0.1	0.0	3,077
South East Nyakach	90.9	0.8	0.3	0.3	5.7	0.1	1.8	-	0.1	3,531

Table 17.19: 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
Kisumu County	87.2	1.4	0.9	2.6	7.4	0.1	0.2	0.0	0.3	80,720
Kisumu East Constituency	95.3	0.8	0.5	1.3	1.7	0.0	0.2	0.0	0.1	10,262
Kajulu	94.2	1.4	0.5	1.8	2.0	0.0	0.0	0.0	-	3,077
Kolwa East	94.4	0.4	-	0.1	5.0	0.1	-	0.1	-	1,718
Manyatta B	95.9	0.5	0.7	2.8	0.1	-	-	-	-	1,668
Nyalenda A	95.4	0.5	0.7	1.3	0.2	-	1.1	0.1	0.8	1,681
Kolwa Central	97.0	0.8	0.6	0.5	1.0	-	-	0.1	-	2,118
Kisumu West Constituency	90.7	0.9	0.1	2.0	6.1	0.0	0.1	0.0	0.0	10,493
South West Kisumu	82.4	0.7	0.1	2.6	14.0	-	0.1	0.0	-	2,018
Central Kisumu	93.1	1.4	0.2	3.1	1.7	0.1	0.2	0.1	0.1	2,455
Kisumu North	95.8	0.7	-	0.6	2.7	0.0	0.1	-	0.1	2,072
West Kisumu	88.8	0.5	-	1.0	9.6	0.0	-	-	-	2,043
North West Kisumu	92.9	1.0	0.3	2.5	3.3	-	0.1	0.1	-	1,905
Kisumu Central Constituency	79.3	5.8	5.2	8.1	0.1	0.0	0.2	0.0	1.4	11,831
Railways	79.7	6.3	4.9	8.6	0.1	-	0.3	0.0	0.0	2,307
Migosi	76.8	7.7	9.7	1.8	0.1	-	-	0.1	3.9	1,541
Shauri Moyo/Kaloleni	56.1	4.8	4.3	34.1	-	0.1	0.3	0.1	0.2	1,227
Market Milimani	42.4	26.2	16.1	13.9	-	0.2	0.1	-	1.2	1,291
Kondele	94.1	0.3	1.9	3.5	0.1	0.0	0.1	0.0	-	3,357
Nyalenda B	93.3	0.7	1.3	0.6	0.0	-	0.1	0.0	3.8	2,108
Seme Constituency	78.7	0.4	0.0	1.1	19.6	0.1	0.0	0.0	0.0	10,893
West Seme	79.2	0.3	-	1.8	18.6	0.1	0.0	0.0	-	3,319
Central Seme	76.9	0.4	0.0	2.0	20.5	-	0.1	0.0	-	2,490
East Seme	82.3	0.4	-	0.1	16.8	0.4	-	0.0	-	2,246
North Seme	77.0	0.4	-	0.3	22.1	0.1	0.0	0.0	0.1	2,838
Nyando Constituency	89.4	0.5	0.0	1.0	8.7	0.0	0.2	0.0	0.1	13,192

East Kano/Wawidhi	82.9	0.4	-	0.2	16.3	0.1	0.1	-	0.1	1,810
Awasi/Onjiko	88.4	0.5	0.0	0.2	10.6	-	0.1	0.0	0.1	2,452
Ahero	91.8	0.5	0.1	2.4	5.0	0.0	0.0	-	-	3,192
Kabonyo/Kanyagwal	86.5	0.5	-	1.7	10.3	-	0.8	0.0	0.1	2,266
Kobura	93.2	0.5	0.0	0.2	5.8	-	0.0	-	0.2	3,472
Muhoroni Constituency	82.5	0.9	0.0	3.4	12.5	0.3	0.2	0.0	0.1	10,722
Miwani	85.0	0.4	0.1	1.0	13.3	-	0.2	0.1	-	1,409
Ombeyi	82.5	0.3	0.0	1.9	14.2	1.0	0.0	-	0.0	2,245
Masogo/Nyangoma	79.7	0.7	-	5.8	13.7	-	0.0	-	0.0	2,902
Chemilil	85.6	0.8	0.0	4.6	8.6	0.0	-	0.2	0.2	2,288
Muhoroni Koru	81.1	2.7	-	2.1	12.8	0.2	1.0	-	0.2	1,878
Nyakach Constituency	93.8	0.5	0.1	1.2	3.9	0.1	0.4	0.0	0.0	13,327
South West Nyakach	94.0	0.4	-	0.3	5.3	-	-	-	-	1,819
North Nyakach	89.7	0.5	0.0	3.7	5.5	0.1	0.4	0.1	-	3,404
Central Nyakach	96.2	0.4	0.1	0.0	3.2	0.1	0.0	-	-	2,618
West Nyakach	96.1	0.6	0.1	0.8	2.5	-	-	-	-	2,741
South East Nyakach	94.1	0.5	0.2	0.3	3.1	0.0	1.7	-	0.2	2,745

Table 17.20: Main material of the wall by County, Constituency and Wards

County/Constituency/ Wards	Stone	Brick/Block	Mud/Wood	Mud/Cement	Wood only	Coorugated 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
Kisumu County	3.3	21.0	49.6	21.2	0.2	3.1	0.1	0.2	1.4	221,857
Kisumu East Constituency	2.6	21.0	43.5	31.2	0.2	1.3	0.0	0.1	0.2	36,907
Kajulu	3.6	20.7	51.8	22.0	0.1	1.6	0.0	0.1	0.1	9,227
Kolwa East	0.7	6.3	85.3	7.1	0.1	0.4	0.1	0.0	0.0	4,508
Manyatta B	3.6	32.8	27.6	33.7	0.3	2.0	0.0	0.0	0.0	7,767
Nyalenda A	2.0	20.5	25.6	50.2	0.1	0.8	0.0	0.1	0.6	7,869
Kolwa Central	2.1	18.4	43.6	34.5	0.1	1.2	0.0	0.1	0.0	7,536
Kisumu West Constituency	3.2	16.7	54.7	23.8	0.1	1.2	0.0	0.1	0.1	28,474
South West Kisumu	4.1	6.5	68.0	20.6	0.1	0.4	0.0	0.1	0.1	4,901
Central Kisumu	2.4	19.3	43.1	32.2	0.1	2.6	0.0	0.2	0.1	8,525
Kisumu North	3.2	18.0	56.8	20.5	0.1	1.1	0.1	0.0	0.1	5,248
West Kisumu	4.8	11.7	67.1	15.7	0.0	0.4	0.1	0.1	0.1	4,904
North West Kisumu	2.3	26.1	46.8	24.0	0.2	0.6	0.0	0.0	0.0	4,896
Kisumu Central Constituency	9.7	46.5	11.6	26.4	0.2	4.2	0.0	0.2	1.3	43,062

Railways	4.2	38.3	18.6	28.3	0.3	9.9	0.1	0.3	0.1	9,465
Migosi	6.4	71.9	2.4	12.8	0.2	2.3	0.0	0.1	3.9	4,773
Shauri Moyo/Kaloleni	14.3	56.3	4.1	15.8	0.4	7.9	0.0	1.0	0.1	3,564
Market Milimani	29.1	60.2	0.2	3.5	0.4	5.9	0.0	0.1	0.6	4,418
Kondele	7.6	43.3	13.1	34.7	0.1	1.1	0.0	0.1	0.1	12,461
Nyalenda B	8.6	34.5	16.2	36.1	0.0	0.9	0.0	0.1	3.7	8,381
Seme Constituency	0.9	8.6	67.7	22.3	0.1	0.2	0.1	0.0	0.0	22,648
West Seme	0.5	10.2	60.6	28.5	0.0	0.1	0.1	0.0	0.0	6,744
Central Seme	0.6	11.7	59.9	27.2	0.1	0.4	0.0	0.0	0.0	5,268
East Seme	0.8	6.2	76.4	16.1	0.1	0.3	0.0	0.0	0.0	4,845
North Seme	1.5	6.1	75.9	15.9	0.1	0.2	0.1	0.0	0.2	5,791
Nyando Constituency	0.8	12.1	68.5	9.4	0.2	1.2	0.1	0.1	7.5	29,868
East Kano/Wawidhi	0.4	3.7	83.3	11.7	0.2	0.5	0.1	0.0	0.1	3,722
Awasi/Onjiko	0.8	14.0	75.0	8.5	0.1	1.4	0.0	0.1	0.0	5,665
Ahero	0.8	22.4	64.1	8.2	0.4	2.6	0.1	0.1	1.2	7,657
Kabonyo/Kanyagwal	1.5	5.2	70.3	8.2	0.1	0.4	0.1	0.0	14.2	5,251
Kobura	0.6	9.3	59.5	11.0	0.2	0.5	0.1	0.1	18.6	7,573
Muhoroni Constituency	1.7	14.6	56.6	14.5	0.6	11.2	0.2	0.5	0.2	32,910
Miwani	2.1	26.5	52.0	14.6	0.4	3.9	0.4	0.1	0.0	4,391
Ombeyi	0.2	3.8	90.1	4.5	0.3	0.5	0.3	0.0	0.2	5,668
Masogo/Nyangoma	0.7	6.6	63.0	27.7	0.4	1.4	0.1	0.0	0.1	7,033
Chemilil	1.8	23.9	48.1	14.2	0.7	9.7	0.1	1.2	0.4	7,653
Muhoroni Koru	3.4	14.0	38.2	10.2	0.9	32.2	0.1	0.8	0.1	8,165
Nyakach Constituency	0.8	13.1	67.8	17.4	0.1	0.3	0.0	0.1	0.4	27,988
South West Nyakach	0.9	12.7	68.0	17.4	0.1	0.1	0.1	0.8	0.0	3,674
North Nyakach	0.6	13.6	69.4	14.5	0.1	0.3	0.0	0.1	1.4	7,035
Central Nyakach	0.6	7.9	79.7	11.6	0.1	0.1	0.0	0.0	0.0	5,185
West Nyakach	0.9	9.2	68.8	20.5	0.1	0.5	0.0	0.0	0.0	5,818
South East Nyakach	1.0	20.5	55.1	22.5	0.1	0.6	0.0	0.1	0.1	6,276

Table 17.21: 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	Cooru- gated Iron Sheets	Grass Reeds	Tin	Other	Households
Kenya	17.5	16.6	34.7	7.6	11.4	7.4	3.4	0.3	1.2	5,762,320
Rural	5.8	13.1	48.9	7.3	15.4	2.6	5.2	0.3	1.4	3,413,616
Urban	34.6	21.6	14.0	7.9	5.6	14.4	0.7	0.3	0.9	2,348,704
Kisumu County	3.5	23.1	45.4	22.2	0.2	3.9	0.1	0.2	1.3	141,137
Kisumu East Constituency	2.6	21.7	40.8	32.8	0.2	1.5	0.0	0.1	0.2	26,645
Kajulu	3.8	22.2	48.2	23.3	0.2	2.1	-	0.1	0.1	6,150
Kolwa East	0.7	7.0	83.9	7.7	0.1	0.5	0.1	-	-	2,790
Manyatta B	3.5	31.2	27.8	35.0	0.3	2.1	0.0	0.0	0.0	6,099

Nyalenda A	1.9	20.6	25.5	50.2	0.2	0.9	0.0	0.1	0.6	6,188
Kolwa Central	2.1	19.5	42.4	34.3	0.2	1.4	-	0.1	0.0	5,418
Kisumu West Constituency	3.2	18.4	51.9	24.3	0.1	1.7	0.1	0.1	0.1	17,981
South West Kisumu	3.7	7.0	67.1	21.1	0.1	0.7	0.0	0.2	0.1	2,883
Central Kisumu	2.3	20.6	40.1	33.5	0.1	3.1	0.0	0.2	0.1	6,070
Kisumu North	3.5	19.8	54.3	20.3	0.1	1.7	0.1	-	0.2	3,176
West Kisumu	5.1	13.2	65.8	14.9	0.1	0.6	0.1	0.1	0.1	2,861
North West Kisumu	2.4	28.8	45.5	22.2	0.1	0.9	0.0	-	-	2,991
Kisumu Central Constituency	9.4	45.0	12.0	27.5	0.2	4.6	0.0	0.2	1.2	31,231
Railways	3.5	37.5	18.8	28.8	0.3	10.6	0.1	0.3	0.1	7,158
Migosi	6.5	70.7	2.7	13.4	0.2	2.8	-	0.2	3.7	3,232
Shauri Moyo/Kaloleni	15.3	53.1	4.6	16.5	0.5	8.8	0.0	1.0	0.1	2,337
Market Milimani	29.2	59.5	0.3	3.6	0.4	6.6	0.0	0.1	0.3	3,127
Kondele	7.4	42.3	13.0	35.9	0.1	1.2	0.0	0.1	0.1	9,104
Nyalenda B	8.3	34.0	15.9	37.0	0.0	1.0	0.0	0.1	3.6	6,273
Seme Constituency	0.9	9.9	66.3	22.3	0.1	0.4	0.1	0.0	0.1	11,755
West Seme	0.6	12.3	58.5	28.4	-	0.1	0.1	-	-	3,425
Central Seme	0.6	13.2	58.1	27.3	0.1	0.6	0.0	-	0.0	2,778
East Seme	0.7	6.5	75.9	16.3	0.1	0.4	0.0	0.0	-	2,599
North Seme	1.8	6.8	74.6	15.7	0.2	0.4	0.2	0.0	0.2	2,953
Nyando Constituency	0.8	13.6	66.7	9.4	0.2	1.6	0.1	0.1	7.4	16,676
East Kano/Wawidhi	0.3	3.7	83.9	10.8	0.1	0.8	0.2	0.1	0.2	1,912
Awasi/Onjiko	0.9	15.5	72.6	8.7	0.2	1.8	0.1	0.1	0.0	3,213
Ahero	0.8	24.9	60.7	8.5	0.3	3.4	0.1	0.1	1.0	4,465
Kabonyo/Kanyagwal	1.4	5.8	70.2	8.2	0.1	0.6	0.1	0.0	13.5	2,985
Kobura	0.6	9.9	58.0	11.3	0.2	0.7	0.1	0.1	19.0	4,101
Muhoroni Constituency	2.0	17.0	52.3	13.5	0.7	13.6	0.2	0.6	0.2	22,188
Miwani	2.8	32.6	45.3	13.6	0.4	4.6	0.5	0.1	0.1	2,982
Ombeyi	0.2	4.3	89.5	4.4	0.4	0.6	0.4	-	0.3	3,423
Masogo/Nyangoma	0.9	6.9	61.6	27.8	0.4	2.1	0.1	0.0	0.1	4,131
Chemilil	1.7	27.3	44.3	12.5	0.8	11.5	0.1	1.6	0.4	5,365

Muhoroni Koru	3.4	14.6	35.9	9.7	1.0	34.4	0.1	0.8	0.1	6,287
Nyakach Constituency	0.8	15.6	65.4	17.1	0.1	0.5	0.0	0.2	0.3	14,661
South West Nyakach	0.8	15.7	64.3	18.1	0.1	0.1	0.1	0.8	0.1	1,855
North Nyakach	0.6	17.0	66.5	14.0	0.1	0.4	0.0	0.1	1.2	3,631
Central Nyakach	0.6	8.9	79.4	10.7	0.2	0.2	-	0.0	0.0	2,567
West Nyakach	0.9	11.2	65.9	20.9	0.2	0.8	0.1	-	0.0	3,077
South East Nyakach	1.0	22.9	54.0	21.0	0.1	0.7	0.1	0.1	0.1	3,531

Table 17.22: Main Material of the Wall in Female Headed Households by County, Constituency and Ward

County/ Constitu- ency	Stone	Brick/ Block	Mud/ Wood	Mud/ Cement	Wood only	Coorugated 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
Kisumu County	2.8	17.2	57.0	19.5	0.2	1.6	0.0	0.1	1.6	80,720
Kisumu East Constitu- ency	2.5	19.0	50.5	27.0	0.1	0.8	0.0	0.0	0.2	10,262
Kajulu	3.2	17.7	58.9	19.5	0.1	0.6	-	-	0.1	3,077
Kolwa East	0.7	5.3	87.5	5.9	0.1	0.3	0.1	-	0.1	1,718
Manyatta B	4.0	38.8	26.7	28.7	0.1	1.7	0.1	-	-	1,668
Nyalenda A	2.4	20.2	25.6	50.6	0.1	0.4	-	0.1	0.8	1,681
Kolwa Central	2.2	15.3	46.6	34.8	0.0	0.9	-	0.0	-	2,118
Kisumu West Constitu- ency	3.3	13.8	59.4	22.9	0.1	0.4	0.0	0.0	0.0	10,493
South West Kisumu	4.7	5.9	69.3	19.9	0.1	0.1	-	-	-	2,018
Central Kisumu	2.7	16.1	50.5	29.0	0.1	1.3	0.0	0.1	0.1	2,455
Kisumu North	2.8	15.3	60.8	20.7	0.2	0.1	-	0.0	0.0	2,072
West Kisumu	4.3	9.6	69.0	16.9	-	0.2	0.0	-	0.0	2,043
North West Kisumu	2.1	21.9	48.7	26.9	0.2	0.2	-	-	-	1,905
Kisumu Central Con- stituency	10.4	50.3	10.8	23.4	0.2	3.1	0.0	0.2	1.5	11,831
Railways	6.3	40.6	18.1	26.6	0.4	7.5	0.1	0.3	0.1	2,307
Migosi	6.4	74.5	1.8	11.7	0.2	1.1	-	-	4.3	1,541
Shauri Moyo/Kaloleni	12.4	62.3	3.2	14.4	0.3	6.3	-	1.0	0.1	1,227

Market Milimani	28.7	61.7	0.1	3.3	0.6	4.3	0.1	0.2	1.2	1,291
Kondele	8.0	46.1	13.2	31.5	0.1	0.9	-	0.1	0.2	3,357
Nyalenda B	9.3	36.0	16.8	33.3	-	0.7	-	0.0	3.9	2,108
Seme Constituency	0.8	7.3	69.3	22.3	0.1	0.1	0.0	0.0	0.0	10,893
West Seme	0.5	8.0	62.8	28.5	0.1	0.1	-	0.1	-	3,319
Central Seme	0.6	10.0	62.0	27.1	0.1	0.1	0.0	0.0	-	2,490
East Seme	0.9	5.9	77.1	15.9	0.1	0.1	0.0	0.0	-	2,246
North Seme	1.3	5.3	77.2	16.1	-	0.0	-	-	0.1	2,838
Nyando Constituency	0.8	10.3	70.8	9.4	0.2	0.6	0.0	0.1	7.7	13,192
East Kano/Wawidhi	0.6	3.6	82.7	12.7	0.3	0.1	-	-	0.1	1,810
Awasi/Onjiko	0.6	12.1	78.2	8.3	-	0.7	-	0.0	0.0	2,452
Ahero	0.9	18.9	68.9	7.7	0.6	1.5	0.0	0.1	1.4	3,192
Kabonyo/Kanyagwal	1.7	4.3	70.4	8.1	0.1	0.2	0.0	0.0	15.1	2,266
Kobura	0.6	8.6	61.3	10.8	0.1	0.3	0.1	0.1	18.2	3,472
Muhoroni Constituency	1.2	9.6	65.6	16.7	0.4	6.0	0.1	0.2	0.1	10,722
Miwani	0.6	13.6	66.2	16.7	0.5	2.3	0.1	-	-	1,409
Ombeyi	0.1	3.1	91.1	4.8	0.2	0.4	0.3	-	0.0	2,245
Masogo/Nyangoma	0.3	6.1	65.0	27.5	0.3	0.5	0.2	0.0	0.1	2,902
Chemilil	2.0	15.9	56.9	18.4	0.4	5.6	-	0.3	0.4	2,288
Muhoroni Koru	3.5	12.1	46.0	12.0	0.5	24.7	0.1	0.9	0.2	1,878
Nyakach Constituency	0.7	10.3	70.5	17.7	0.1	0.2	0.0	0.1	0.5	13,327
South West Nyakach	1.0	9.6	71.7	16.6	0.1	0.2	0.1	0.8	-	1,819
North Nyakach	0.5	10.1	72.5	15.0	0.1	0.1	0.1	0.0	1.6	3,404
Central Nyakach	0.5	7.0	79.9	12.6	0.0	0.0	-	-	0.0	2,618
West Nyakach	0.8	6.9	72.1	20.0	0.1	0.1	-	-	-	2,741
South East Nyakach	0.9	17.5	56.6	24.3	-	0.5	-	-	0.1	2,745

Table 17.23: Source of Water by county, Constituency and Ward

County/Constituency/ Wards	Pond	Dam	Lake	Stream/River	Unpro- tected Spring	Unpro- tected Well	Jabia	Water vendor	Other	Unim- proved Sources	Pro- tected Spring	Protected Well	Borehole	Pipe Dwell
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	

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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
Kisumu County	3.6	1.0	2.5	26.1	2.0	3.6	0.1	7.5	0.0	46.4	2.4	8.9	18.6	3.5	19.4	0.8	53.6	952,645
Kisumu East Constituency	1.0	0.9	0.1	21.4	1.1	1.5	0.1	13.9	0.0	39.9	1.6	9.9	16.0	2.3	29.3	1.0	60.1	149,391
Kajulu	1.6	0.1	0.1	45.7	2.7	1.1	0.0	10.8	0.0	62.2	3.8	2.5	7.6	3.7	17.6	2.7	37.8	40,471
Kolwa East	3.4	3.9	0.1	17.0	1.2	3.9	0.1	0.1	0.0	29.7	1.2	22.7	45.4	0.0	0.5	0.4	70.3	21,203
Manyatta B	0.1	1.1	0.0	0.2	0.1	0.5	0.1	29.9	0.0	32.0	0.1	3.5	16.7	3.9	43.6	0.2	68.0	27,894
Nyalenda A	0.3	0.0	0.0	2.1	0.4	0.6	0.1	8.2	0.0	11.8	1.6	3.7	3.1	2.2	77.5	0.1	88.2	28,169
Kolwa Central	0.1	0.3	0.1	29.3	0.3	1.8	0.0	18.0	0.0	49.9	0.5	21.9	18.1	0.6	8.1	0.9	50.1	31,654
Kisumu West Constituency	0.5	0.4	5.6	28.8	5.7	4.2	0.1	3.9	0.0	49.2	7.7	6.3	17.3	0.7	16.9	1.8	50.8	125,957
South West Kisumu	0.3	0.5	21.6	34.7	1.9	7.5	0.0	0.1	0.0	66.6	0.9	1.5	18.3	0.4	11.6	0.7	33.4	22,113
Central Kisumu	1.2	0.5	6.2	23.1	4.4	2.3	0.1	7.8	0.0	45.6	4.8	8.2	16.3	0.6	23.7	0.9	54.4	35,154
Kisumu North	0.2	0.1	0.1	20.5	7.2	3.7	0.3	5.5	0.0	37.6	18.8	8.3	16.8	0.6	12.8	5.1	62.4	24,614
West Kisumu	0.4	0.1	0.1	36.3	5.9	5.8	0.0	1.7	0.0	50.2	4.8	6.8	20.3	0.7	16.7	0.4	49.8	22,101
North West Kisumu	0.3	1.1	0.0	34.0	9.4	2.8	0.1	1.6	0.0	49.3	9.9	5.5	15.6	1.3	16.3	2.1	50.7	21,975
Kisumu Central Constituency	0.1	0.1	0.7	0.8	0.2	1.4	0.2	24.6	0.0	28.2	1.0	6.8	11.0	12.0	40.8	0.2	71.8	163,661
Railways	0.2	0.1	0.0	1.8	0.2	1.7	0.0	21.8	0.1	26.0	3.4	3.9	10.9	10.1	45.0	0.6	74.0	34,341
Migosi	0.0	0.5	0.0	0.1	0.0	0.6	1.5	48.8	0.0	51.5	0.4	8.6	15.5	12.6	10.9	0.5	48.5	19,564
Shauri Moyo/Kaloleni	0.3	0.0	0.0	0.0	0.0	0.1	0.0	36.2	0.0	36.7	0.0	0.6	2.4	20.0	40.2	0.0	63.3	14,276
Market Milimani	0.0	0.0	0.0	0.0	0.0	0.0	0.1	15.2	0.1	15.4	0.0	0.0	0.8	41.3	42.4	0.0	84.6	15,869
Kondele	0.2	0.0	0.0	0.2	0.2	2.9	0.0	28.0	0.0	31.6	0.1	16.5	20.7	2.6	28.5	0.1	68.4	47,392

Nyalenda B	0.2	0.0	3.4	1.9	0.3	0.4	0.1	7.5	0.0	13.8	1.0	0.6	2.9	9.3	72.3	0.1	86.2	32,219
Seme Constituency	2.6	0.7	7.4	48.1	3.5	4.1	0.1	0.3	0.0	66.7	1.4	4.3	24.0	0.2	2.8	0.6	33.3	98,239
West Seme	4.5	1.4	11.8	44.0	3.4	5.7	0.1	0.3	0.0	71.3	0.6	2.7	14.8	0.5	9.3	0.9	28.7	28,384
Central Seme	0.3	0.7	10.0	32.3	1.5	1.8	0.0	0.1	0.0	46.7	1.1	6.8	44.1	0.1	0.5	0.6	53.3	22,936
East Seme	4.7	0.6	7.5	51.1	3.1	5.5	0.0	0.2	0.0	72.7	0.5	4.8	21.7	0.0	0.0	0.4	27.3	21,658
North Seme	0.7	0.0	0.0	64.3	5.5	3.2	0.2	0.5	0.0	74.6	3.3	3.3	18.1	0.1	0.0	0.6	25.4	25,261
Nyando Constituency	9.2	1.6	4.9	19.0	0.5	3.7	0.0	0.5	0.0	39.4	0.7	13.4	33.4	1.1	11.5	0.6	60.6	139,417
East Kano/Wawidhi	7.4	5.2	0.0	53.7	2.4	1.4	0.1	0.1	0.0	70.3	1.7	6.0	17.7	0.0	2.2	2.1	29.7	17,317
Awasi/Onjiko	33.7	2.7	0.1	31.6	0.2	0.8	0.1	1.9	0.0	70.9	0.3	1.6	12.5	0.4	13.5	0.8	29.1	25,864
Ahero	0.3	0.1	0.3	7.0	0.3	6.8	0.0	0.2	0.0	15.0	1.0	14.3	37.3	3.5	28.7	0.3	85.0	35,256
Kabonyo/Kanyagwal	9.3	1.6	26.6	18.7	0.2	3.0	0.0	0.0	0.0	59.3	0.8	10.3	28.7	0.0	0.7	0.2	40.7	25,020
Kobura	1.1	0.4	0.1	5.4	0.1	4.2	0.0	0.5	0.0	11.9	0.3	26.5	55.3	0.7	5.0	0.2	88.1	35,960
Muhoroni Constituency	2.6	1.4	0.5	40.3	0.7	6.3	0.1	2.2	0.1	54.2	1.2	10.6	19.8	4.1	9.6	0.5	45.8	143,799
Miwani	0.2	0.0	0.0	28.1	1.9	6.2	0.0	0.1	0.3	36.9	1.0	23.2	22.6	6.4	9.5	0.4	63.1	18,099
Ombeyi	0.7	0.3	0.0	22.1	0.6	23.5	0.0	0.0	0.0	47.3	0.3	20.1	32.2	0.0	0.1	0.0	52.7	26,253
Masogo/Nyangoma	10.2	5.4	0.3	32.1	0.6	4.0	0.2	0.5	0.0	53.3	0.7	10.3	32.9	0.3	2.2	0.3	46.7	32,477
Chemilil	0.0	0.2	1.4	51.6	1.0	0.6	0.0	5.6	0.1	60.5	3.1	6.8	13.7	7.6	7.4	1.0	39.5	32,803
Muhoroni Koru	0.6	0.4	0.3	57.5	0.2	0.8	0.3	3.5	0.0	63.5	0.6	0.6	2.4	6.2	25.9	0.7	36.5	34,167
Nyakach Constituency	9.8	1.8	0.5	35.9	3.7	4.6	0.3	1.1	0.0	57.8	3.9	9.5	11.2	1.0	15.2	1.3	42.2	132,181
South West Nyakach	7.2	1.5	0.0	60.4	4.5	2.8	0.3	0.4	0.0	77.1	3.4	1.6	2.6	0.2	13.1	2.2	22.9	17,236
North Nyakach	6.1	1.3	0.2	40.7	0.1	0.2	0.2	2.5	0.0	51.4	1.3	1.8	5.3	1.9	38.0	0.2	48.6	31,660

Central Nyakach	25.6	4.0	0.2	22.3	1.5	3.3	0.7	0.1	0.0	57.6	5.5	12.9	21.1	0.4	2.0	0.6	42.4	26,859
West Nyakach	4.1	1.3	2.3	45.6	4.0	3.7	0.3	2.3	0.0	63.7	4.6	15.0	11.6	0.6	2.7	1.6	36.3	26,309
South East Nyakach	6.0	0.7	0.0	20.6	8.9	12.1	0.1	0.0	0.0	48.5	5.0	14.3	13.3	1.6	15.3	2.1	51.5	30,117

Table 17.24: Source of Water of Male headed Household by county Constituency and Ward

County/Constituency/ Wards	Pond	Dam	Lake	Stream/ River	Unprotect- ed Spring	Unprotected Well	Ja- bia	Water vender	Other	Unim- proved Sources	Pro- tected Spring	Protect- ed Well	Bore- hole	Piped into Dwelling	Piped	Rain Water Collection	Improved Sources	Number of Individuals
Kenya	2.7	2.3	1.1	22.4	4.8	6.7	0.4	5.6	0.4	46.4	7.4	7.7	11.7	6.2	19.9	0.7	53.6	26,755,066
Rural	3.7	3.1	1.4	29.1	6.3	8.6	0.4	2.4	0.5	55.6	9.2	8.2	12.1	1.9	12.2	0.8	44.4	18,016,471
Urban	0.8	0.6	0.5	8.5	1.8	2.8	0.2	12.1	0.1	27.5	3.8	6.7	10.8	14.9	35.8	0.5	72.5	8,738,595
Kisumu County	3.3	0.9	2.4	24.6	1.9	3.4	0.1	8.3	0.0	44.8	2.3	8.7	18.2	3.9	21.2	0.9	55.2	634,841
Kisumu East Constituency	1.0	0.9	0.1	19.5	1.0	1.4	0.1	14.9	0.0	38.8	1.6	9.5	15.7	2.4	31.0	1.0	61.2	110,394
Kajulu	1.6	0.1	0.1	43.3	2.6	1.0	0.0	11.9	0.0	60.7	3.8	2.4	8.0	4.0	18.3	2.9	39.3	28,486
Kolwa East	3.6	4.0	0.1	16.6	1.0	4.0	0.1	0.1	-	29.5	0.8	23.2	45.3	0.0	0.6	0.5	70.5	14,400
Manyatta B	0.1	1.2	-	0.2	0.1	0.5	0.2	30.3	0.1	32.5	0.1	3.3	16.0	3.8	44.0	0.2	67.5	21,903
Nyalenda A	0.2	0.0	0.0	1.7	0.4	0.6	0.1	8.4	-	11.5	1.7	3.1	3.1	2.2	78.3	0.0	88.5	22,132
Kolwa Central	0.1	0.3	0.1	27.2	0.3	2.0	0.0	19.4	0.0	49.5	0.5	21.5	18.6	0.7	8.4	0.7	50.5	23,473
Kisumu West Constituency	0.5	0.4	5.6	27.8	5.7	3.9	0.1	4.2	0.0	48.3	7.6	6.2	17.1	0.8	18.1	2.0	51.7	83,822
South West Kisumu	0.4	0.5	22.4	34.1	1.7	6.6	-	0.1	-	65.7	0.9	1.6	17.8	0.5	13.0	0.5	34.3	14,245
Central Kisumu	1.0	0.4	5.9	21.0	4.4	2.2	0.1	8.2	0.1	43.3	4.8	8.2	16.0	0.5	26.1	1.0	56.7	25,146
Kisumu North	0.2	0.1	0.1	20.9	7.5	3.3	0.3	5.6	0.0	38.0	18.2	7.8	16.4	0.8	12.8	5.9	62.0	16,119

West Kisumu	0.3	0.1	0.1	0.1	36.1	6.0	6.0	6.0	-	2.0	-	50.6	4.9	6.2	20.5	0.8	16.5	0.4	49.4	13,857
North West Kisumu	0.4	1.2	0.1	0.1	33.3	9.4	3.1	0.1	1.5	-	-	49.0	9.6	5.7	15.6	1.4	16.3	2.4	51.0	14,455
Kisumu Central Constituency	0.1	0.1	0.7	0.8	0.2	0.2	1.4	0.2	24.1	0.0	0.0	27.7	0.9	6.7	11.1	11.8	41.6	0.2	72.3	119,755
Railways	0.2	0.1	0.1	1.7	0.2	0.2	1.9	0.0	21.4	0.0	0.0	25.6	2.8	3.7	11.6	9.8	45.9	0.6	74.4	25,813
Migosi	0.0	0.4	0.0	-	-	-	0.6	1.5	48.7	-	-	51.3	0.3	8.7	15.7	12.3	11.2	0.5	48.7	13,677
Shauri Moyo/Kaloleni	0.2	-	-	0.0	-	-	0.1	-	36.6	-	-	37.0	-	0.7	2.2	21.0	39.1	0.0	63.0	9,510
Market Milimani	-	-	-	0.0	-	-	-	0.1	14.1	0.2	0.2	14.3	-	0.0	0.8	43.7	41.1	-	85.7	11,326
Kondele	0.1	0.0	0.0	0.2	0.2	0.2	2.9	0.1	28.4	0.0	0.0	32.0	0.1	16.0	20.4	2.1	29.3	0.1	68.0	35,202
Nyalenda B	0.1	0.0	3.4	1.8	0.2	0.2	0.4	0.1	6.8	0.0	0.0	12.9	1.1	0.6	2.9	9.3	73.2	0.0	87.1	24,227
Seme Constituency	2.4	0.7	7.9	47.3	3.4	3.4	3.9	0.1	0.3	0.0	0.0	66.1	1.4	4.5	24.2	0.2	2.8	0.7	33.9	56,899
West Seme	4.3	1.5	13.4	42.6	3.4	3.4	5.4	0.1	0.4	-	-	71.0	0.6	2.5	14.9	0.6	9.4	1.0	29.0	16,183
Central Seme	0.2	0.8	10.1	31.2	1.6	1.6	1.9	0.0	0.1	0.0	0.0	46.0	1.2	6.9	44.6	0.1	0.6	0.6	54.0	13,372
East Seme	4.3	0.6	7.7	51.5	3.2	3.2	5.1	0.0	0.2	-	-	72.6	0.4	5.4	21.0	-	0.0	0.6	27.4	12,968
North Seme	0.8	-	0.0	63.5	5.2	5.2	3.2	0.2	0.6	0.0	0.0	73.5	3.5	3.5	18.6	0.2	0.0	0.6	26.5	14,376
Nyando Constituency	9.4	1.4	5.3	18.8	0.4	0.4	3.5	0.0	0.6	-	-	39.4	0.7	13.1	33.1	1.3	11.9	0.6	60.6	86,006
East Kano/Wawidhi	7.4	4.3	0.0	54.1	1.9	1.9	1.5	0.1	0.0	-	-	69.3	1.7	5.7	18.9	-	2.0	2.3	30.7	10,106
Awasi/Onjiko	34.6	2.8	0.0	30.6	0.2	0.2	0.7	0.0	1.9	-	-	70.9	0.2	1.7	12.2	0.3	13.9	0.8	29.1	16,351
Ahero	0.3	0.1	0.2	7.1	0.4	0.4	6.5	-	0.3	-	-	14.9	1.0	13.3	37.1	3.9	29.5	0.3	85.1	21,995
Kabonyo/Kanyagwal	9.1	1.4	27.7	18.2	0.2	0.2	2.8	-	0.0	-	-	59.4	0.8	10.6	28.4	0.0	0.7	0.2	40.6	16,015
Kobura	0.9	0.4	0.2	5.5	0.1	0.1	4.0	0.1	0.5	-	-	11.6	0.2	26.9	54.8	0.8	5.5	0.2	88.4	21,539
Muhoroni Constituency	2.5	1.0	0.5	40.0	0.7	0.7	5.9	0.1	2.4	0.1	0.1	53.2	1.2	9.9	19.3	4.9	10.9	0.5	46.8	100,843

Miwani	0.3	0.0	-	27.2	1.6	5.7	-	0.1	0.5	35.3	1.1	22.4	22.4	7.5	10.7	0.5	64.7	12,770
Ombeyi	0.8	0.2	-	23.3	0.6	23.2	-	-	0.0	48.1	0.2	19.0	32.5	0.0	0.2	-	51.9	17,655
Masogo/Nyangoma	10.5	4.3	0.2	32.3	0.7	3.8	0.2	0.5	0.0	52.7	0.9	10.3	33.7	0.3	2.0	0.3	47.3	20,593
Chemili	0.0	0.2	1.4	49.1	1.0	0.7	0.0	5.7	0.1	58.2	3.1	6.2	14.0	9.2	8.4	0.9	41.8	23,440
Muhoroni Koru	0.5	0.3	0.3	55.2	0.2	0.7	0.3	3.6	0.0	61.2	0.6	0.7	2.5	6.8	27.5	0.7	38.8	26,385
Nyakach Constituency	9.1	1.6	0.5	34.7	3.6	4.8	0.3	1.2	0.0	55.8	4.1	9.9	11.7	1.2	15.8	1.5	44.2	77,122
South West Nyakach	6.1	1.6	-	58.7	3.8	3.0	0.2	0.5	-	73.8	3.7	1.8	2.6	0.2	15.1	2.7	26.2	9,852
North Nyakach	6.1	0.9	0.1	39.7	0.1	0.2	0.3	2.7	0.0	50.1	1.4	1.9	5.9	2.1	38.3	0.3	49.9	18,232
Central Nyakach	24.9	3.8	0.2	21.3	1.7	3.5	0.8	0.1	-	56.2	5.5	13.3	22.0	0.5	1.8	0.8	43.8	14,782
West Nyakach	3.2	1.5	2.2	44.3	4.0	3.8	0.4	2.3	0.0	61.8	4.4	15.7	11.9	0.9	3.4	1.9	38.2	15,678
South East Nyakach	6.1	0.7	-	19.5	8.0	12.1	0.1	0.1	-	46.6	5.3	14.4	14.0	1.6	15.9	2.3	53.4	18,578

Table 17.25: Source of Water of Female headed Household by county Constituency and War

County/Constituency/Wards	Pond	Dam	Lake	Stream/ River	Unpro- tected Spring	Unprotect- ed Well	Jabia	Water vendor	Other	Unim- proved Sources	Protected Spring	Pro- tected Well	Borehole	Piped into Dwell- ing	Piped Water Collec- tion	Im- proved Sources	Number of Individuals
Kenya	2.8	2.7	1.3	25.2	5.3	7.4	0.3	4.4	0.3	49.7	8.1	7.7	11.3	5.1	17.5	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	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	69.5	3,105,857
Kisumu County	4.3	1.2	2.6	29.3	2.3	3.9	0.1	5.9	0.0	49.6	2.6	9.3	19.3	2.6	15.8	50.4	317,804
Kisumu East Constituency	1.2	0.8	0.1	26.9	1.3	1.6	0.0	11.0	0.0	42.9	1.8	10.9	16.9	2.0	24.4	57.1	38,997
Kajulu	1.6	0.1	0.1	51.4	2.9	1.3	0.0	8.4	-	65.8	3.7	2.7	6.7	3.0	15.8	34.2	11,985

Kolwa East	3.0	3.7	0.0	17.9	1.4	3.9	-	0.1	-	30.1	2.0	21.7	45.5	-	0.4	0.3	69.9	6,803
Manyatta B	0.1	0.7	-	0.4	-	0.6	0.1	28.5	-	30.2	0.2	3.9	19.2	4.2	41.9	0.3	69.8	5,991
Nyalenda A	0.5	0.1	0.0	3.6	0.6	0.6	0.2	7.4	-	13.0	1.1	5.7	3.0	2.3	74.8	0.1	87.0	6,037
Kolwa Central	0.2	0.1	0.1	35.1	0.3	1.4	-	13.9	0.0	51.1	0.5	22.8	16.6	0.5	7.2	1.3	48.9	8,181
Kisumu West Constituency	0.5	0.5	5.4	30.9	5.6	4.6	0.1	3.2	0.0	50.9	8.1	6.5	17.8	0.6	14.6	1.5	49.1	42,135
South West Kisumu	0.3	0.6	20.1	35.9	2.3	9.0	-	0.1	-	68.3	0.8	1.4	19.0	0.2	9.0	1.2	31.7	7,868
Central Kisumu	1.5	0.7	6.8	28.3	4.5	2.7	0.0	6.8	0.0	51.3	4.7	8.1	16.9	0.6	17.5	0.7	48.7	10,008
Kisumu North	0.1	0.0	0.2	19.6	6.6	4.4	0.3	5.3	-	36.7	19.9	9.1	17.6	0.3	12.8	3.6	63.3	8,495
West Kisumu	0.4	0.0	0.1	36.8	5.7	5.3	-	1.1	0.0	49.5	4.6	7.8	20.0	0.6	17.0	0.4	50.5	8,244
North West Kisumu	0.1	0.9	-	35.4	9.5	2.2	0.0	1.7	-	49.9	10.7	5.2	15.4	1.1	16.2	1.6	50.1	7,520
Kisumu Central Constituency	0.3	0.1	0.6	0.9	0.2	1.3	0.2	26.0	0.0	29.5	1.3	7.3	10.6	12.4	38.7	0.3	70.5	43,906
Railways	0.2	0.0	-	2.1	0.3	1.2	0.1	23.0	0.2	27.2	5.4	4.5	8.8	11.0	42.2	0.7	72.8	8,528
Migosi	-	0.8	-	0.3	0.1	0.6	1.4	48.9	-	52.0	0.6	8.5	14.9	13.3	10.1	0.6	48.0	5,887
Shauri Moyo/Kaloleni	0.6	-	-	-	-	0.1	-	35.5	-	36.2	-	0.5	2.9	18.0	42.4	-	63.8	4,766
Market Mlimani	0.2	-	-	-	-	-	-	17.9	0.1	18.1	-	-	0.7	35.5	45.7	-	81.9	4,543
Kondele	0.3	-	0.0	0.1	0.1	2.9	-	27.0	-	30.4	0.0	18.1	21.4	4.1	25.9	0.2	69.6	12,190
Nyalenda B	0.3	0.1	3.4	2.4	0.3	0.7	-	9.5	-	16.6	0.8	0.9	2.8	9.5	69.2	0.1	83.4	7,992
Seme Constituency	2.8	0.6	6.7	49.2	3.6	4.3	0.1	0.3	0.0	67.5	1.3	4.0	23.8	0.1	2.8	0.5	32.5	41,340
West Seme	4.9	1.2	9.7	45.9	3.4	6.1	0.1	0.2	-	71.7	0.5	3.0	14.8	0.3	9.1	0.7	28.3	12,201
Central Seme	0.3	0.5	10.0	33.8	1.5	1.7	0.0	0.1	0.0	47.8	0.9	6.6	43.5	0.1	0.5	0.5	52.2	9,564
East Seme	5.2	0.6	7.2	50.5	3.1	6.0	-	0.2	-	72.9	0.6	3.8	22.6	-	-	0.1	27.1	8,690

North Seme	0.7	-	0.0	65.4	6.0	3.1	0.3	0.5	-	76.0	3.0	3.0	17.4	0.1	-	0.6	24.0	10,885
Nyando Constituency	8.8	1.7	4.2	19.5	0.6	4.0	0.0	0.5	0.0	39.3	0.8	13.8	33.9	1.0	10.7	0.6	60.7	53,411
East Kano/Wawidhi	7.5	6.4	-	53.1	3.1	1.3	0.1	0.1	-	71.7	1.7	6.4	16.0	-	2.4	1.8	28.3	7,211
Awasi/Orijiko	32.2	2.3	0.1	33.3	0.1	1.1	0.1	1.8	-	71.0	0.4	1.4	12.9	0.6	12.8	0.7	29.0	9,513
Ahero	0.2	0.2	0.3	6.7	0.2	7.4	-	0.1	0.1	15.1	0.9	16.1	37.5	2.7	27.3	0.4	84.9	13,261
Kabonyo/Kanyagwal	9.5	1.9	24.6	19.5	0.1	3.2	0.1	-	-	59.0	0.8	9.7	29.4	0.1	0.7	0.4	41.0	9,005
Kobura	1.3	0.4	0.0	5.4	0.2	4.5	-	0.4	-	12.2	0.6	26.0	56.1	0.6	4.4	0.2	87.8	14,421
Muhoroni Constituency	2.9	2.3	0.5	40.9	0.7	7.3	0.1	1.8	0.1	56.5	1.0	12.4	21.1	2.1	6.4	0.5	43.5	42,956
Miwani	0.0	0.0	0.1	30.5	2.4	7.5	-	-	-	40.5	0.7	25.4	23.0	3.5	6.8	0.1	59.5	5,329
Ombeyi	0.5	0.5	0.0	19.7	0.4	24.3	-	-	-	45.5	0.3	22.4	31.7	-	0.1	0.0	54.5	8,598
Masogo/Nyangoma	9.7	7.4	0.4	31.7	0.3	4.4	0.1	0.5	0.1	54.5	0.4	10.4	31.5	0.3	2.7	0.3	45.5	11,884
Chemilili	-	0.2	1.2	57.8	0.9	0.5	-	5.2	0.2	66.2	3.1	8.2	12.9	3.5	5.0	1.1	33.8	9,363
Muhoroni Koru	0.6	0.5	0.4	65.4	0.1	0.9	0.6	2.9	-	71.4	0.4	0.4	1.9	4.5	20.8	0.6	28.6	7,782
Nyakach Constituency	10.7	1.9	0.6	37.7	4.0	4.3	0.3	1.1	-	60.6	3.7	9.0	10.5	0.8	14.4	0.9	39.4	55,059
South West Nyakach	8.6	1.4	0.1	62.8	5.4	2.4	0.4	0.3	-	81.4	3.0	1.3	2.5	0.0	10.4	1.4	18.6	7,384
North Nyakach	6.2	1.9	0.3	42.2	0.2	0.2	0.0	2.3	-	53.2	1.1	1.8	4.5	1.7	37.6	0.1	46.8	13,428
Central Nyakach	26.4	4.2	0.1	23.5	1.3	3.1	0.6	0.1	-	59.4	5.4	12.5	20.0	0.3	2.2	0.3	40.6	12,077
West Nyakach	5.5	1.1	2.6	47.5	3.9	3.5	0.2	2.3	-	66.6	4.9	14.1	11.2	0.3	1.8	1.2	33.4	10,631
South East Nyakach	5.8	0.8	0.1	22.2	10.5	12.1	0.1	0.0	-	51.5	4.4	14.1	12.2	1.5	14.5	1.9	48.5	11,539

Table 17.26: 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
Kisumu County	4.53	2.43	0.12	3.24	46.57	56.89	30.97	0.10	11.72	0.32	43.11	952,645
Kisumu East Constituency	1.39	1.98	0.18	4.64	57.10	65.28	29.14	0.08	5.31	0.18	34.72	149,391
Kajulu	0.96	3.29	0.03	1.22	71.64	77.15	15.53	0.00	7.09	0.23	22.85	40,471
Kolwa East	0.01	0.10	0.03	6.49	74.71	81.35	4.59	0.07	13.77	0.22	18.65	21,203
Manyatta B	3.88	2.37	0.24	7.01	36.62	50.13	48.56	0.17	1.08	0.07	49.87	27,894
Nyalenda A	0.94	1.16	0.17	7.18	30.10	39.55	58.84	0.12	1.30	0.18	60.45	28,169
Kolwa Central	1.07	1.92	0.43	3.41	68.78	75.61	19.44	0.08	4.68	0.19	24.39	31,654
Kisumu West Constituency	0.91	0.91	0.04	2.78	46.30	50.94	35.42	0.10	13.35	0.20	49.06	125,957
South West Kisumu	0.09	0.71	0.01	0.95	51.03	52.78	13.83	0.06	33.18	0.14	47.22	22,113
Central Kisumu	2.47	0.53	0.09	1.67	61.43	66.19	23.46	0.22	9.70	0.42	33.81	35,154
Kisumu North	0.21	1.42	0.00	3.38	23.75	28.76	65.42	0.02	5.72	0.08	71.24	24,614
West Kisumu	0.03	0.25	0.05	7.12	35.90	43.36	38.32	0.04	18.20	0.08	56.64	22,101
North West Kisumu	0.90	1.78	0.04	1.36	53.05	57.13	39.72	0.07	2.89	0.18	42.87	21,975
Kisumu Central Constituency	21.68	10.21	0.16	4.40	40.43	76.88	21.55	0.15	1.27	0.15	23.12	163,661
Railways	17.75	7.38	0.10	3.80	53.00	82.03	13.60	0.17	3.91	0.28	17.97	34,341
Migosi	34.42	29.21	0.11	3.35	22.16	89.25	9.84	0.32	0.46	0.12	10.75	19,564
Shauri Moyo/Kaloleni	59.78	5.92	0.05	4.95	9.44	80.13	19.75	0.05	0.06	0.00	19.87	14,276
Market Milimani	69.00	18.34	0.43	1.97	7.28	97.01	2.60	0.08	0.21	0.09	2.99	15,869
Kondele	5.48	4.28	0.06	6.19	45.02	61.03	38.24	0.20	0.35	0.18	38.97	47,392
Nyalenda B	1.78	8.30	0.33	3.98	61.45	75.84	22.72	0.03	1.35	0.06	24.16	32,219

Seme Constituency	0.05	0.10	0.03	3.43	31.01	34.62	42.60	0.09	21.93	0.77	65.38	98,239
West Seme	0.08	0.09	0.07	3.14	40.65	44.05	34.16	0.20	20.73	0.86	55.95	28,384
Central Seme	0.00	0.12	0.00	0.96	29.94	31.03	42.19	0.08	24.97	1.73	68.97	22,936
East Seme	0.00	0.08	0.00	1.38	33.23	34.70	35.75	0.06	29.22	0.28	65.30	21,658
North Seme	0.10	0.09	0.03	7.75	19.24	27.21	58.30	0.01	14.24	0.23	72.79	25,261
Nyando Constituency	0.07	0.29	0.06	2.40	49.94	52.76	34.04	0.11	12.40	0.70	47.24	139,417
East Kano/Wawidhi	0.00	0.10	0.08	0.61	42.58	43.37	31.64	0.12	24.14	0.74	56.63	17,317
Awasi/Onjiko	0.08	0.15	0.03	1.53	24.14	25.92	35.50	0.06	36.57	1.95	74.08	25,864
Ahero	0.12	0.70	0.13	3.23	27.84	32.02	65.04	0.07	2.57	0.31	67.98	35,256
Kabonyo/Kanyagwal	0.04	0.07	0.08	0.91	62.20	63.30	31.88	0.06	4.66	0.11	36.70	25,020
Kobura	0.07	0.25	0.00	4.10	85.17	89.58	5.26	0.21	4.37	0.57	10.42	35,960
Muhoroni Constituency	2.85	1.12	0.25	1.74	38.42	44.39	32.54	0.14	22.84	0.10	55.61	143,799
Miwani	0.74	3.06	0.06	2.37	39.17	45.39	34.50	0.55	19.43	0.13	54.61	18,099
Ombeyi	0.02	0.17	0.00	0.32	16.65	17.16	56.66	0.06	26.02	0.10	82.84	26,253
Masogo/Nyangoma	0.06	0.04	0.06	1.14	38.39	39.69	19.14	0.15	40.97	0.05	60.31	32,477
Chemilili	5.85	1.07	0.97	3.23	46.52	57.64	27.08	0.07	15.05	0.16	42.36	32,803
Muhoroni Koru	5.93	1.90	0.04	1.64	47.02	56.53	30.96	0.02	12.43	0.06	43.47	34,167
Nyakach Constituency	0.19	0.16	0.03	3.06	59.37	62.81	26.85	0.05	9.94	0.35	37.19	132,181
South West Nyakach	0.05	0.23	0.07	1.42	56.36	58.13	24.08	0.02	17.77	0.00	41.87	17,236
North Nyakach	0.14	0.07	0.02	1.32	58.71	60.25	30.97	0.08	8.38	0.32	39.75	31,660
Central Nyakach	0.10	0.03	0.06	2.44	59.73	62.37	26.65	0.01	10.82	0.16	37.63	26,859
West Nyakach	0.52	0.42	0.01	3.22	68.11	72.28	18.86	0.08	8.64	0.15	27.72	26,309
South East Nyakach	0.11	0.12	0.00	6.24	53.81	60.29	31.28	0.06	7.45	0.91	39.71	30,117

Table 17.27: 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 Sani- tation	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
Kisumu County	4.83	2.69	0.12	3.34	47.17	58.14	31.06	0.11	10.41	0.28	41.86	634,841
Kisumu East Constituency	1.41	1.94	0.19	4.59	56.61	64.74	30.51	0.10	4.50	0.16	35.26	110,394
Kajulu	1.08	3.44	0.03	1.18	72.11	77.84	15.50	0.00	6.42	0.24	22.16	28,486
Kolwa East	0.00	0.15	0.05	6.54	76.09	82.83	4.39	0.10	12.63	0.05	17.17	14,400
Manyatta B	3.63	2.25	0.26	6.53	36.45	49.12	49.65	0.21	0.94	0.07	50.88	21,903
Nyalenda A	0.91	1.11	0.19	7.11	29.93	39.25	59.33	0.13	1.11	0.19	60.75	22,132
Kolwa Central	1.07	1.74	0.40	3.34	69.80	76.35	19.70	0.06	3.71	0.18	23.65	23,473
Kisumu West Constituency	1.05	1.11	0.03	2.73	47.10	52.02	35.64	0.11	12.04	0.19	47.98	83,822
South West Kisumu	0.04	0.91	0.01	0.79	52.48	54.23	15.16	0.08	30.50	0.03	45.77	14,245
Central Kisumu	2.86	0.62	0.08	1.78	60.93	66.27	24.32	0.26	8.71	0.44	33.73	25,146
Kisumu North	0.20	1.84	0.00	3.41	24.16	29.62	65.08	0.02	5.24	0.05	70.38	16,119
West Kisumu	0.01	0.32	0.00	7.20	35.94	43.47	39.34	0.06	17.00	0.13	56.53	13,857
North West Kisumu	0.82	2.12	0.05	1.27	54.01	58.26	39.12	0.02	2.49	0.10	41.74	14,455
Kisumu Central Constituency	20.33	10.13	0.17	4.41	41.68	76.73	21.80	0.15	1.18	0.14	23.27	119,755
Railways	16.89	7.18	0.11	3.89	53.74	81.83	14.12	0.17	3.66	0.22	18.17	25,813
Migosi	33.04	28.96	0.14	3.47	23.24	88.85	10.14	0.35	0.49	0.17	11.15	13,677
Shauri Moyo/Kaloleni	58.96	5.89	0.07	5.32	9.68	79.93	19.96	0.07	0.04	0.00	20.07	9,510
Market Mlimani	68.47	19.41	0.30	1.85	6.97	97.00	2.65	0.04	0.21	0.10	3.00	11,326
Kondele	4.80	4.18	0.08	6.02	45.74	60.82	38.48	0.20	0.32	0.17	39.18	35,202
Nyalenda B	1.72	8.64	0.33	4.00	62.14	76.83	22.02	0.01	1.09	0.05	23.17	24,227
Seme Constituency	0.02	0.11	0.02	3.56	31.85	35.56	43.09	0.10	20.44	0.80	64.44	56,899
West Seme	0.06	0.12	0.05	3.27	41.30	44.79	34.73	0.23	19.53	0.70	55.21	16,183
Central Seme	0.00	0.10	0.01	0.92	31.72	32.76	42.16	0.07	22.95	2.07	67.24	13,372
East Seme	0.00	0.06	0.00	1.39	34.75	36.20	36.98	0.05	26.47	0.31	63.80	12,968
North Seme	0.03	0.14	0.00	8.31	18.74	27.22	58.88	0.01	13.71	0.18	72.78	14,376
Nyando Constituency	0.09	0.35	0.04	2.43	50.45	53.36	34.31	0.13	11.64	0.56	46.64	86,006

East Kano/Wawidhi	0.00	0.11	0.05	0.64	44.81	45.62	31.50	0.19	22.23	0.47	54.38	10,106
Awasi/Onjiko	0.10	0.17	0.02	1.63	24.23	26.14	35.94	0.08	36.22	1.63	73.86	16,351
Ahero	0.15	0.90	0.11	3.13	28.58	32.88	64.91	0.05	2.00	0.15	67.12	21,995
Kabonyo/Kanyagwal	0.06	0.07	0.00	1.04	62.93	64.10	31.60	0.07	4.11	0.12	35.90	16,015
Kobura	0.09	0.24	0.00	4.21	86.05	90.59	5.16	0.26	3.45	0.54	9.41	21,539
Muhoroni Constituency	3.53	1.31	0.29	1.85	38.54	45.52	32.79	0.12	21.49	0.08	54.48	100,843
Miwani	0.80	3.64	0.04	2.67	38.03	45.18	36.98	0.58	17.21	0.05	54.82	12,770
Ombeyi	0.00	0.15	0.00	0.29	17.17	17.62	56.87	0.04	25.36	0.11	82.38	17,655
Masogo/Nyangoma	0.08	0.06	0.06	1.02	39.06	40.28	19.25	0.07	40.40	0.00	59.72	20,593
Chemilil	7.04	1.31	1.13	3.60	45.49	58.57	27.06	0.09	14.14	0.13	41.43	23,440
Muhoroni Koru	6.81	1.93	0.03	1.60	46.50	56.87	30.30	0.02	12.74	0.07	43.13	26,385
Nyakach Constituency	0.26	0.23	0.02	3.33	61.14	64.99	26.50	0.05	8.16	0.31	35.01	77,122
South West Nyakach	0.09	0.20	0.00	1.57	58.30	60.17	24.68	0.00	15.15	0.00	39.83	9,852
North Nyakach	0.18	0.12	0.03	1.61	61.68	63.61	28.86	0.10	7.17	0.25	36.39	18,232
Central Nyakach	0.18	0.05	0.07	2.82	61.76	64.88	26.75	0.01	8.19	0.18	35.12	14,782
West Nyakach	0.64	0.68	0.00	3.18	69.05	73.56	19.06	0.03	7.24	0.11	26.44	15,678
South East Nyakach	0.17	0.12	0.01	6.50	54.96	61.76	31.22	0.06	6.16	0.80	38.24	18,578

Table 17.28: 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	PitLatrine Uncovered	Bucket	Bush	Other	Unimproved Sanitation	Number of HH Memmbers
Kenya	5.0	2.2	0.2	4.5	47.6	59.5	21.4	0.3	18.7	0.2	40.5	11,164,581.0
Rural	0.1	0.3	0.1	4.0	48.5	53.0	22.6	0.1	24.2	0.1	47.0	8,058,724.0
Urban	17.6	7.2	0.6	5.9	45.1	76.4	18.4	0.7	4.3	0.2	23.6	3,105,857.0
Kisumu	4.0	1.9	0.1	3.0	45.4	54.4	30.8	0.1	14.3	0.4	45.6	317,804.0
Kisumu East	1.3	2.1	0.2	4.8	58.5	66.8	25.3	0.1	7.6	0.2	33.2	38,997.0
Kajulu	0.7	2.9	0.0	1.3	70.5	75.5	15.6	0.0	8.7	0.2	24.5	11,985.0
Kolwa East	0.0	0.0	0.0	6.4	71.8	78.2	5.0	0.0	16.2	0.6	21.8	6,803.0
Manyatta B	4.8	2.8	0.2	8.8	37.3	53.8	44.6	0.0	1.6	0.1	46.2	5,991.0
Nyalenda A	1.1	1.4	0.1	7.5	30.7	40.7	57.1	0.1	2.0	0.2	59.3	6,037.0
Kolwa Central	1.1	2.5	0.5	3.6	65.9	73.5	18.7	0.1	7.5	0.2	26.5	8,181.0

Kisumu West	0.6	0.5	0.1	2.9	44.7	48.8	35.0	0.1	15.9	0.2	51.2	42,135.0
South West Kisumu	0.2	0.3	0.0	1.2	48.4	50.2	11.4	0.0	38.0	0.4	49.8	7,868.0
Central Kisumu	1.5	0.3	0.1	1.4	62.7	66.0	21.3	0.1	12.2	0.4	34.0	10,008.0
Kisumu North	0.2	0.6	0.0	3.3	23.0	27.1	66.1	0.0	6.6	0.1	72.9	8,495.0
West Kisumu	0.1	0.1	0.1	7.0	35.8	43.2	36.6	0.0	20.2	0.0	56.8	8,244.0
North West Kisumu	1.1	1.1	0.0	1.5	51.2	55.0	40.9	0.2	3.7	0.3	45.0	7,520.0
Kisumu Central	25.4	10.4	0.2	4.3	37.0	77.3	20.9	0.2	1.5	0.2	22.7	43,906.0
Railways	20.3	8.0	0.1	3.5	50.8	82.6	12.0	0.2	4.7	0.5	17.4	8,528.0
Migosi	37.6	29.8	0.1	3.1	19.7	90.2	9.2	0.3	0.4	0.0	9.8	5,887.0
Shauri Moyo/Kaloleni	61.4	6.0	0.0	4.2	9.0	80.5	19.3	0.0	0.1	0.0	19.5	4,766.0
Market Milimani	70.3	15.7	0.7	2.2	8.1	97.1	2.5	0.2	0.2	0.1	2.9	4,543.0
Kondele	7.4	4.6	0.0	6.7	42.9	61.6	37.5	0.2	0.5	0.2	38.4	12,190.0
Nyalenda B	2.0	7.3	0.3	3.9	59.4	72.8	24.8	0.1	2.1	0.1	27.2	7,992.0
Seme	0.1	0.1	0.1	3.2	29.8	33.3	41.9	0.1	24.0	0.7	66.7	41,340.0
West Seme	0.1	0.1	0.1	3.0	39.8	43.1	33.4	0.1	22.3	1.1	56.9	12,201.0
Central Seme	0.0	0.1	0.0	1.0	27.4	28.6	42.2	0.1	27.8	1.2	71.4	9,564.0
East Seme	0.0	0.1	0.0	1.4	31.0	32.5	33.9	0.1	33.3	0.2	67.5	8,690.0
North Seme	0.2	0.0	0.1	7.0	19.9	27.2	57.5	0.0	14.9	0.3	72.8	10,885.0
Nyando	0.0	0.2	0.1	2.3	49.1	51.8	33.6	0.1	13.6	0.9	48.2	53,411.0
East Kano/Wawidhi	0.0	0.1	0.1	0.6	39.4	40.2	31.8	0.0	26.8	1.1	59.8	7,211.0
Awasi/Onjiko	0.0	0.1	0.0	1.4	24.0	25.6	34.7	0.0	37.2	2.5	74.4	9,513.0
Ahero	0.1	0.4	0.2	3.4	26.6	30.6	65.3	0.1	3.5	0.6	69.4	13,261.0
Kabonyo/Kanyagwal	0.0	0.1	0.2	0.7	60.9	61.9	32.4	0.0	5.6	0.1	38.1	9,005.0
Kobura	0.0	0.3	0.0	3.9	83.8	88.1	5.4	0.1	5.8	0.6	11.9	14,421.0
Muhoroni	1.3	0.7	0.2	1.5	38.2	41.7	32.0	0.2	26.0	0.1	58.3	42,956.0
Miwani	0.6	1.7	0.1	1.7	41.9	45.9	28.6	0.5	24.8	0.3	54.1	5,329.0
Ombeyi	0.0	0.2	0.0	0.4	15.6	16.2	56.2	0.1	27.4	0.1	83.8	8,598.0
Masogo/Nyangoma	0.0	0.0	0.1	1.3	37.2	38.7	18.9	0.3	42.0	0.1	61.3	11,884.0
Chemiliil	2.9	0.5	0.6	2.3	49.1	55.3	27.1	0.0	17.3	0.2	44.7	9,363.0
Muhoroni Koru	2.9	1.8	0.1	1.8	48.8	55.4	33.2	0.0	11.4	0.0	44.6	7,782.0
Nyakach	0.1	0.1	0.0	2.7	56.9	59.7	27.4	0.1	12.4	0.4	40.3	55,059.0
South West Nyakach	0.0	0.3	0.2	1.2	53.8	55.4	23.3	0.1	21.3	0.0	44.6	7,384.0
North Nyakach	0.1	0.0	0.0	0.9	54.7	55.7	33.8	0.0	10.0	0.4	44.3	13,428.0

Central Nyakach	0.0	0.0	0.0	2.0	57.2	59.3	26.5	0.0	14.0	0.1	40.7	12,077.0
West Nyakach	0.3	0.0	0.0	3.3	66.7	70.4	18.6	0.1	10.7	0.2	29.6	10,631.0
South East Nyakach	0.0	0.1	0.0	5.8	52.0	57.9	31.4	0.1	9.5	1.1	42.1	11,539.0



About KNBS

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

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