

Exploring Kenya's Inequality

Pulling Apart or Pooling Together?

Nandi County



Published by



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Foreword

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

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

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

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

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

Ali Hersi

Society for International Development (SID)
Regional Director

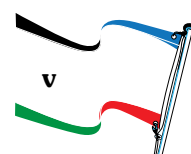


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Stefano Prato
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SID



Striking Features on Intra-County Inequality in Kenya

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

Income/expenditure inequalities

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

Access to Education

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



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

Access to Improved Sanitation

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

Access to Improved Sources of Water

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

Access to Improved Sources of Lighting

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

Access to Improved Housing

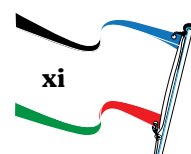
14. The highest extreme in this variable is found in Baringo County where all residents in Silale ward live in grass huts while no one in Ravine ward in the same county lives in grass huts.

Overall ranking of the variables

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

Abbreviations

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



Introduction

Background

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

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

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

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

Methodology

Gini-coefficient of inequality

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



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

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

An Illustration of the Lorenz Curve



Small Area Estimation (SAE)

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

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

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

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

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

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

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



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

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

Identification of poor households Principal Component Analysis (PCA)

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

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

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

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

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

Concepts and definitions

Inequality

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

Equality and Equity

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

Poverty

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

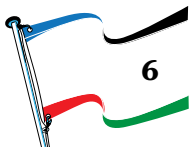
Spatial Dimensions

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)

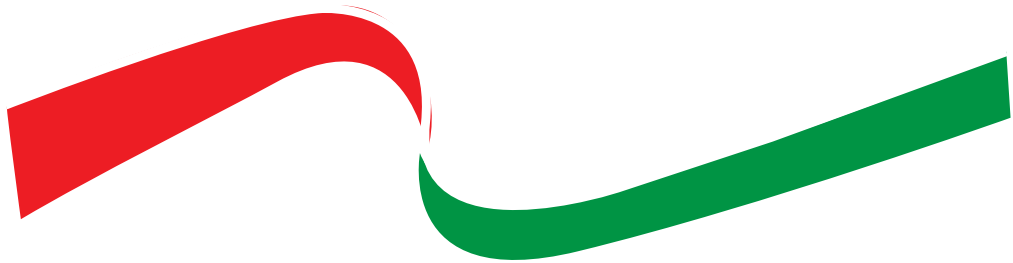
Housing conditions are an indicator of the degree to which people live in humane conditions. Materials used in the construction of the floor, roof and wall materials of a dwelling unit are also indicative of the extent to which they protect occupants from the elements and other environmental hazards. 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.

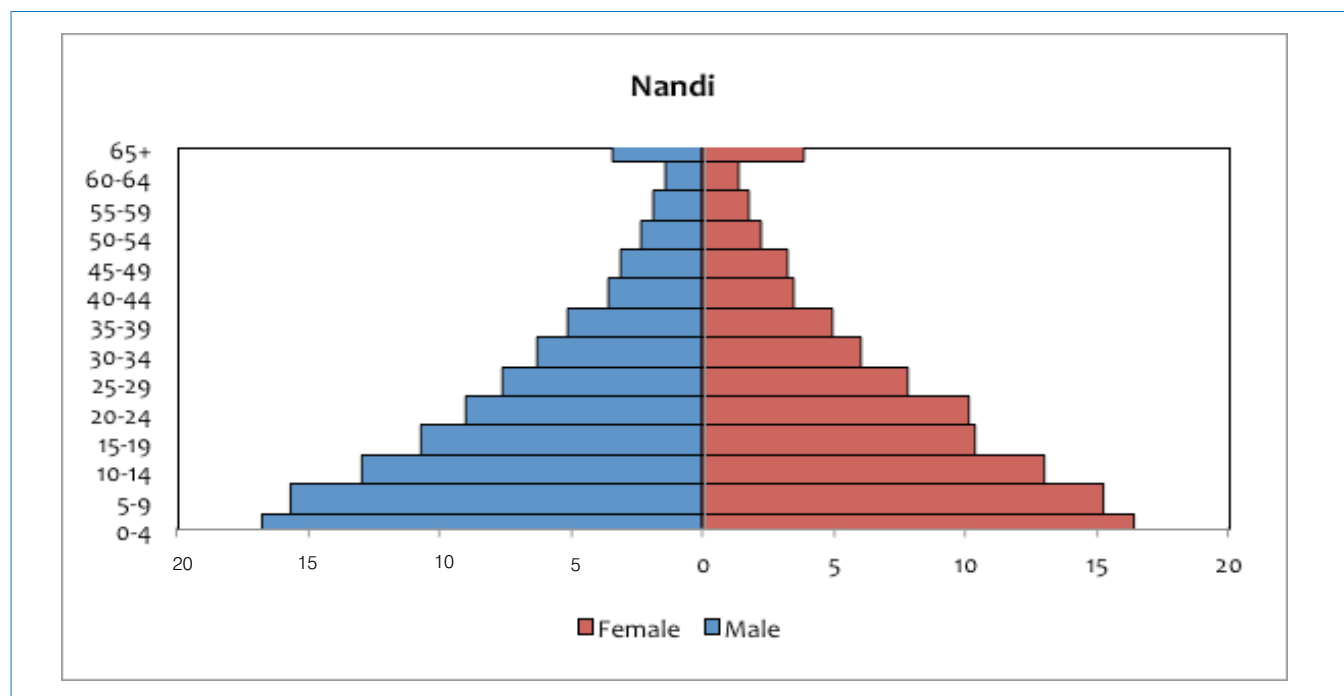


Nandi County



NANDI COUNTY

Figure 32.1: Nandi Population Pyramid



Population

Nandi County has a child rich population, where 0-14 year olds constitute 45% of the total population. This is due to high fertility rates among women as shown by the highest percentage household size of 4-6 members at 43%.

Employment

The 2009 population and housing census covered in brief the labour status as tabulated 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 32.3 up to ward level.

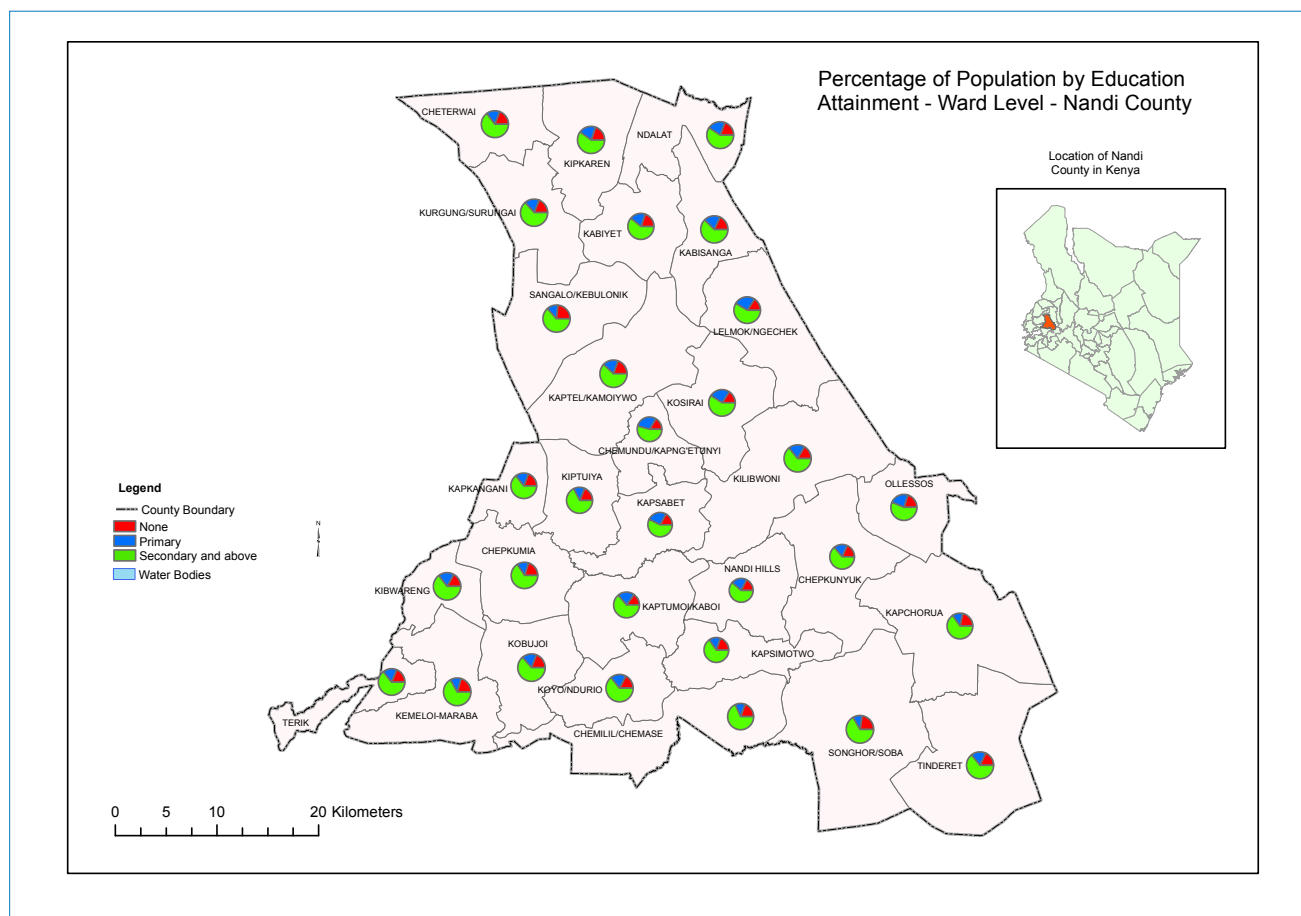
Table 32: Overall Employment by Education Levels in Nandi County

Education Level	Work for pay	Family Business	Family Agricultural Holding	Intern/ Volunteer	Retired/ Home-maker	Fulltime Student	Incapacitated	No work	Number of Individuals
Total	23.5	9.6	37.1	1.0	9.6	15.0	0.4	3.8	380,909
None	24.2	8.7	43.0	2.6	13.9	0.7	2.7	4.2	21,465
Primary	22.0	9.4	40.3	0.7	10.4	13.5	0.3	3.3	240,250
Secondary+	26.5	10.3	29.6	1.1	7.0	20.6	0.2	4.7	119,194

In Nandi County, 24% of the residents with no formal education 22% of those with primary education and 27% of those with secondary level of education or above are working for pay. . Work for pay is highest in Nairobi at 49% and this is almost twice the level in Nandi for those with secondary level of education or above.

Education

Figure 32.3: Nandi County-Percentage of Population by Education Attainment by Ward



Just 19% of Nandi County residents have secondary level of education or above. Chesumei constituency has the highest share of residents with a secondary level of education or above at 22%. This is almost twice Tinderet constituency, which has the lowest share of residents with a secondary level of education or above. Chesumei constituency is 3 percentage points above the county average. Chemundu/Kapng Etunyi ward has the highest share of residents with a secondary level of education or above at 30%. This is almost three times Songhor/Soba ward, which has the lowest share of residents with a secondary level of education or above. Chemundu/Kapng Etunyi ward is 11 percentage points above the county average.

A total of 63% of Nandi County residents have a primary level of education only. Tinderet constituency has the highest share of residents with a primary level of education only at 66%. This is 6 percentage points above Chesumei constituency, which has the lowest share of residents with a primary level of education only. Tinderet constituency is 3 percentage points above the county average. Chemilil/Chemase and Kiptuiya wards have the highest share of residents with a primary level of education only at 68% each. This is 14 percentage points above Chemundu/Kapng Etunyi ward, which has the lowest share of residents with a primary level of education only. Chemilil/Chemase and Kiptuiya are 5 percentage points above the county average.

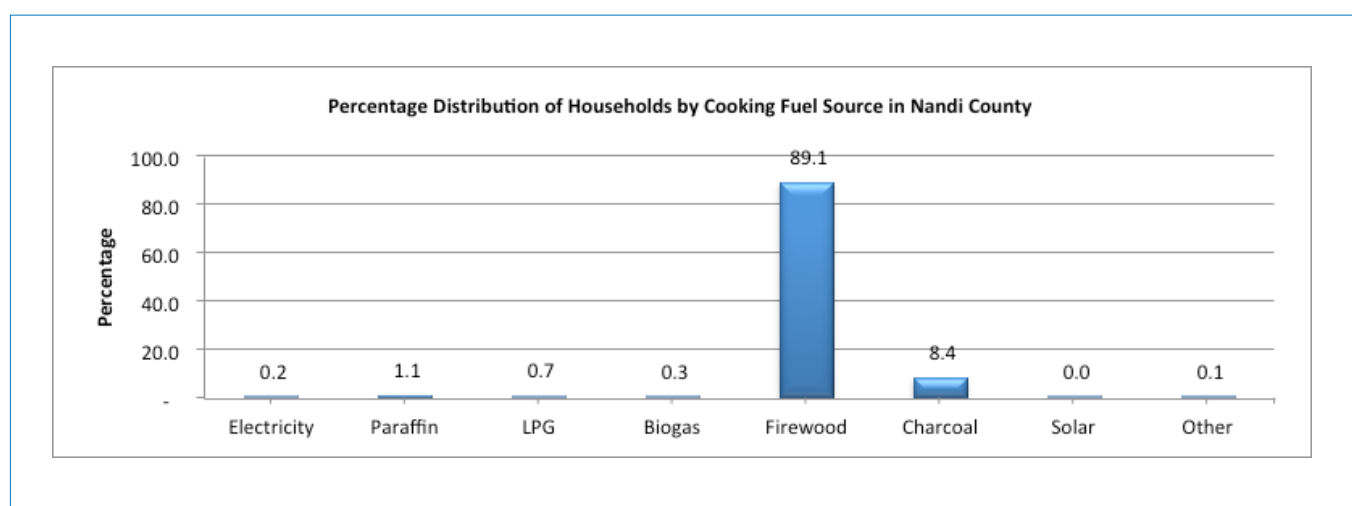
A total of 19% of Nandi County residents have no formal education. Tinderet constituency has the highest share of residents with no formal education at 20%. This is 3 percentage points above Chesumei constituency, which has the lowest share of residents with no formal education. Tinderet constituency is 1 percentage point above the county average. Sangalo/Kebulonik ward has the highest percentage of residents with no formal education at 24%. This is 9 percentage points above Kaptumoi/Kaboi ward, which has the lowest percentage of residents with no formal education. Sangalo/Kebulonik ward is 5 percentage points above the county average.

Energy

Cooking Fuel

Figure 32.4: Percentage Distribution of Households by Source of Cooking Fuel in Nandi County

Just 1% of residents in Nandi County use liquefied petroleum gas (LPG), and 1% use paraffin. 89% use firewood and 8% use charcoal. Firewood is the most common cooking fuel by gender; 89% in households headed by either gender.

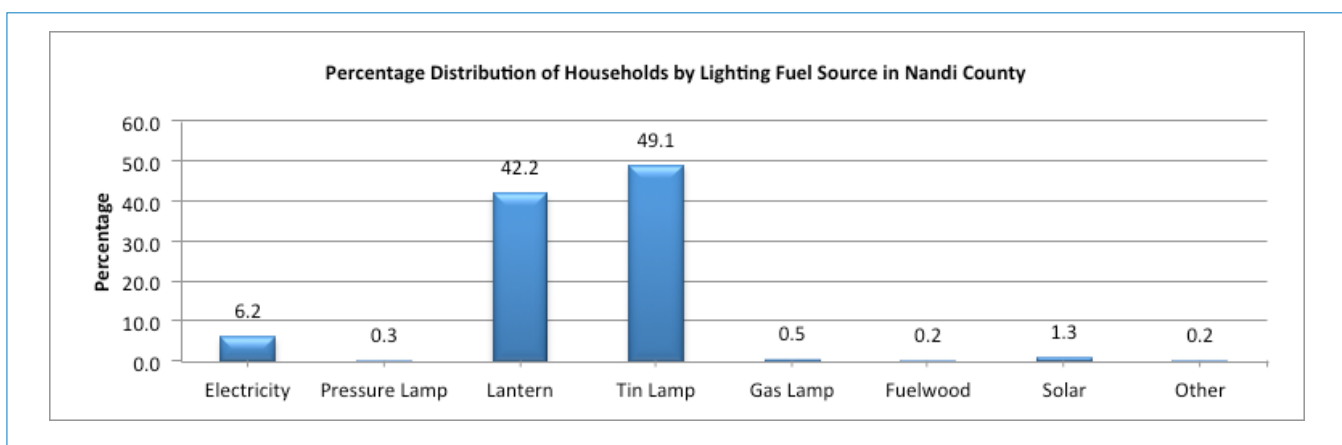


Three constituencies, Aldai, Mosop and Tinderet, have the highest level of firewood use in Nandi County at 94% each. This is 12 percentage points above Emgwen constituency, which has the lowest share at 82%. Aldai, Mosop and Tinderet are about 5 percentage points above the county average. Sangalo/Kebulonik ward has the highest level of firewood use in Nandi County at 98%. This is 42 percentage points above Kapsabet ward, which has the lowest share. Sangalo/Kebulonik ward is 9 percentage points above the county average.

Emgwen constituency has the highest level of charcoal use in Nandi County at 15%. This is almost four times Tinderet constituency, which has the lowest share. Emgwen constituency is 7 percentage points above the county average. Kapsabet ward has highest level of charcoal use in Nandi County at 36%. This is 35 percentage points more than Sangalo/Kebulonik ward, which has the lowest share. Kapsabet ward is 28 percentage points above the county average.

Lighting

Figure 32.5: Percentage Distribution of Households by Source of Lighting Fuel in Nandi County



6% of residents in Nandi County use electricity as their main source of lighting. A further 42% use lanterns, and 49% use tin lamps. Less than 1% use fuel wood. Electricity use is equal by gender for both male and female headed households at 6% in each.

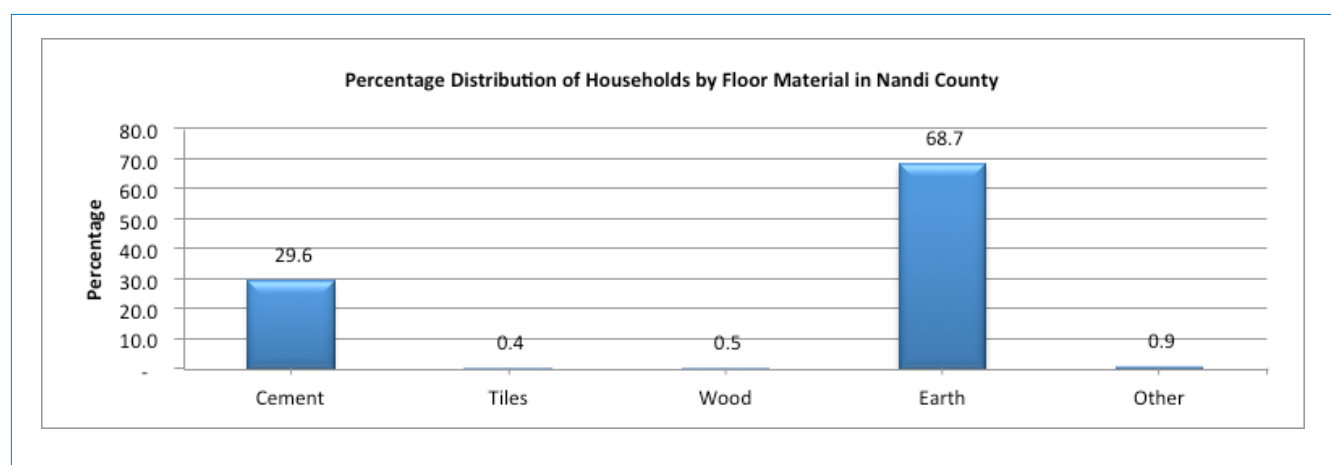
Chesumei constituency has the highest level of electricity use at 11%. That is five times Tinderet constituency, which has the lowest level of electricity use. Chesumei constituency is 5 percentage points above the county average. Kapsabet ward has the highest level of electricity use at 25%. That is 25 percentage points above Sangalo/Kebulonik ward, which has the lowest level of electricity use. Kapsabet ward is 19 percentage points above the county average.

Housing

Flooring

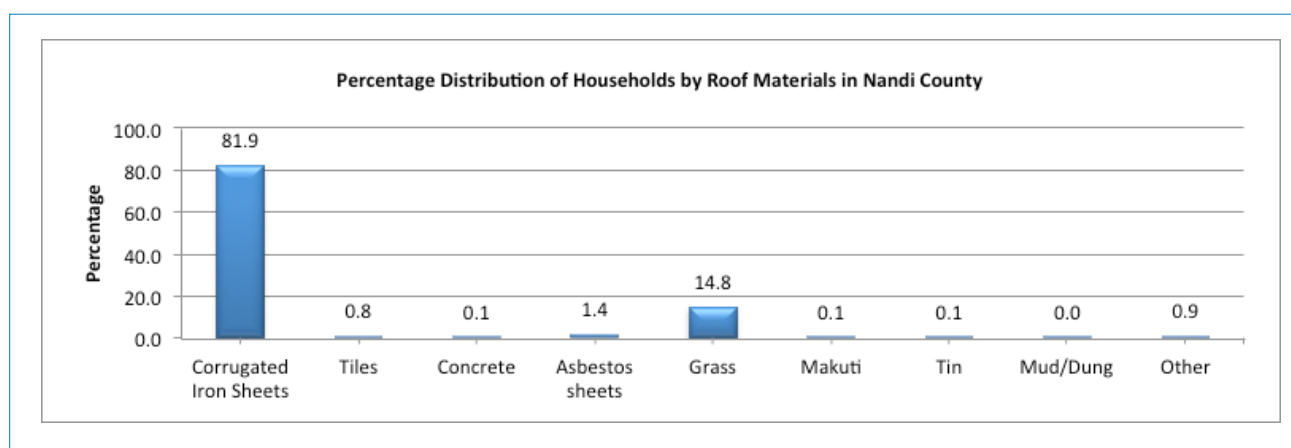
In Nandi County, 30% of residents have homes with cement floors, while 69% have earth floors. Less than 1% has tile and 1% has wood floors. Nandi Hills constituency has the highest share of cement floors at 46%. That is twice Aldai constituency, which has the lowest share of cement floors. Nandi Hills constituency is 16 percentage points above the county average. Two wards, Nandi Hills and Chemundu/Kapng Etunyi, have the highest share of cement floors at 53% each. That is five times Songhor/Soba ward, which has the lowest share of cement floors. Nandi Hills and Chemundu/Kapng Etunyi are 23 percentage points above the county average.

Figure 32.6: Percentage Distribution of Households by Floor Material in Nandi County



Roofing

Figure 32.7: Percentage Distribution of Households by Roof Material in Nandi County



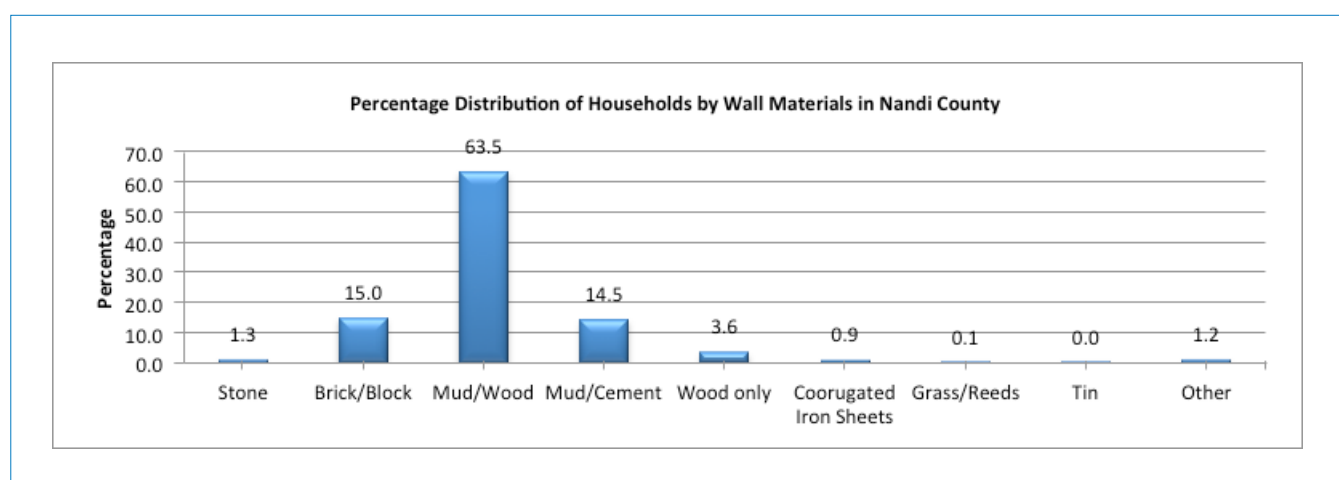
In Nandi County, less than 1% of residents have homes with concrete roofs, while 82% have corrugated iron sheet roofs. Grass and makuti roofs constitute 15% of homes, and none have mud/dung roofs.

Two constituencies, Emgwen and Nandi Hills, have the highest share of corrugated iron sheet roofs at 88% each. That is 21 percentage points above Tinderet constituency, which has the lowest share of corrugated iron sheet roofs. Emgwen and Nandi Hills are 6 percentage points above the county average. Kaptumoi/Kaboi ward has the highest share of corrugated iron sheet roofs at 96%. That is 38 percentage points above Songhor/Soba ward, which has the lowest share of corrugated iron roofs. Kaptumoi/Kaboi ward is 14 percentage points above the county average.

Tinderet constituency has highest share of grass/makuti roofs at 30%. That is three times Nandi Hills constituency, which has the lowest share of grass/makuti roofs. Tinderet constituency is 15 percentage points above the county average. Songhor/Soba ward has the highest share of grass/makuti roofs at 41%. This is 20 times Kapsabet ward, which has the lowest share. Songhor/Soba ward is 26 percentage points above the county average.

Walls

Figure 32.8: Percentage Distribution of Households by Wall Material in Nandi County



In Nandi County, 16% of homes have either brick or stone walls. 78% of homes have mud/wood or mud/cement walls. 4% have wood walls. 1% has corrugated iron walls. Less than 1% has grass/thatched walls. 1% has tin or other walls.

Nandi Hills constituency has the highest share of brick/stone walls at 31%. That is four times Mosop constituency, which has the lowest share of brick/stone walls. Nandi Hills constituency is 15 percentage points above the county average. Kapsimotwo ward has the highest share of brick/stone walls at 36%. That is nine times Songhor/Soba ward, which has the lowest share of brick/stone walls. Tinderet ward is 20 percentage points above the county average.

Mosop constituency has the highest share of mud with wood/cement walls at 92%. That is 39 percentage points above Nandi Hills constituency, which has the lowest share of mud with wood/cement. Mosop constituency is 14 percentage points above the county average. Two wards, Kemeloi-Maraba, have the highest share of mud with wood/cement walls at 94% each. That is almost twice Kapchorua ward, which has the lowest share of mud with wood/cement walls. Kemeloi-Maraba ward is 16 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 Nandi County, 37% of residents use improved sources of water, with the rest relying on unimproved sources. There is no significant gender differential in use of improved sources at 37% for male headed households and 35% in female headed households.

Nandi Hills constituency has the highest share of residents using improved sources of water at 60%. That is twice Aldai constituency, which has the lowest share using improved sources of water. Nandi Hills constituency is 24 percentage points above the county average. Lelmok/Ngechek ward has the highest share of residents using improved sources of water at 73%. That is five times Kiptuiya ward, which has the lowest share using improved sources of water. Lelmok/Ngechek ward is 37 percentage points above the county average.

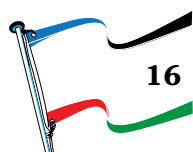
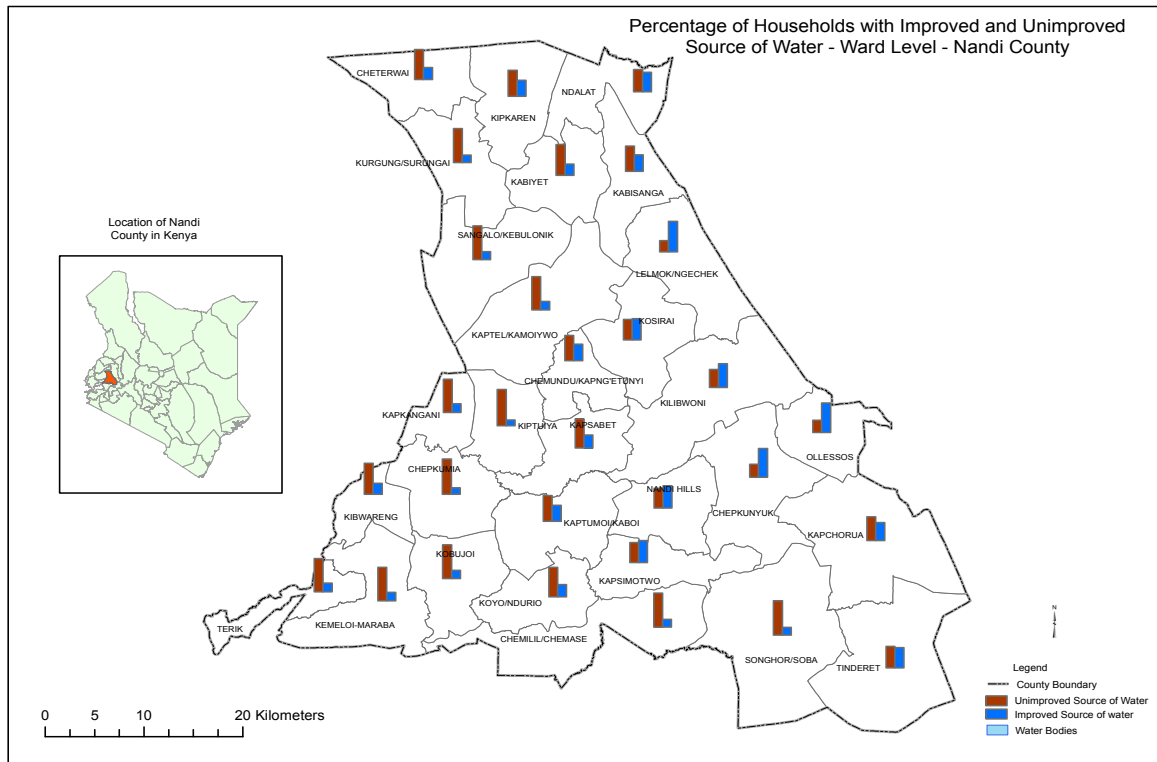


Figure 32.9: Nandi County-Percentage of Households with Improved and Unimproved Sources of Water by Ward

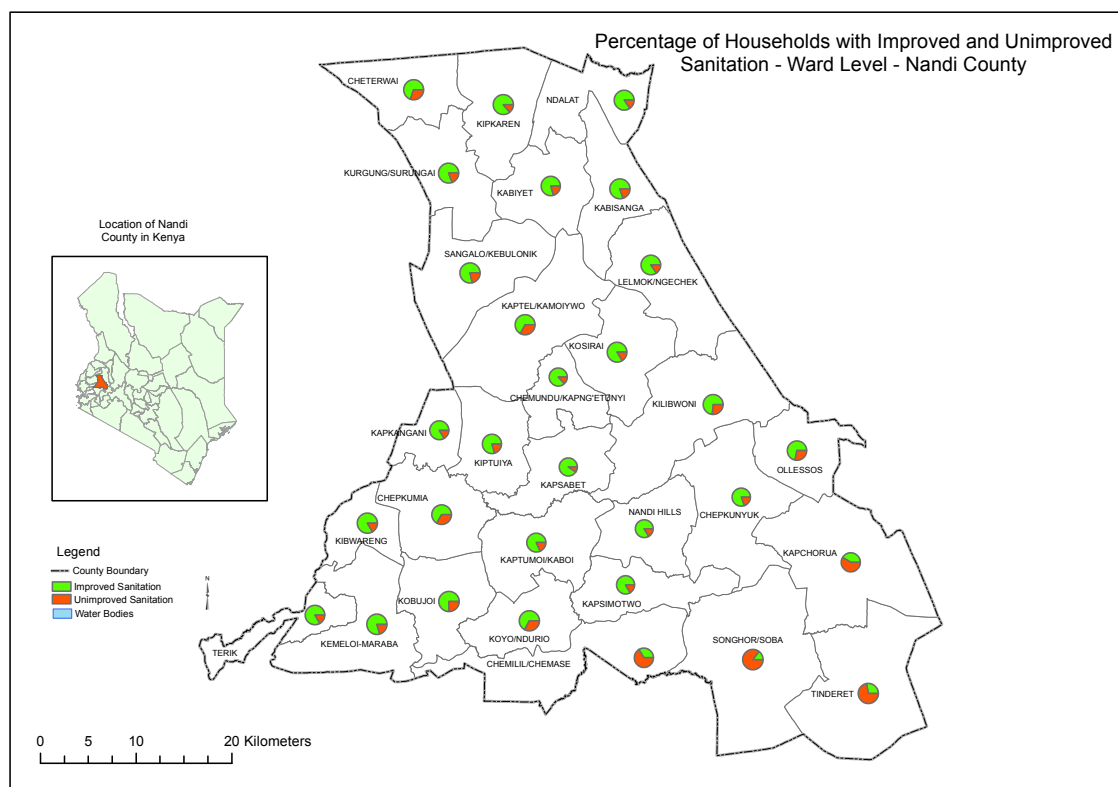


Sanitation

A total of 72% of residents in Nandi County use improved sanitation, while the rest use unimproved sanitation. Use of improved sanitation is insignificantly higher in female headed households at 73% as compared with male headed households at 72%.

Two constituencies, Mosop and Chesumei, have the highest share of residents using improved sanitation at 80% each. That is twice Tinderet constituency, which has the lowest share using improved sanitation. Mosop and Chesumei constituency are 8 percentage points above the county average. Kapsabet ward has the highest share of residents using improved sanitation at 90%. That is six times Songhor/Soba ward, which has the lowest share using improved sanitation. Kapsabet ward is 18 percentage points above the county average.

Figure 32.10: Nandi County –Percentage of Households with Improved and Unimproved Sanitation by Ward



Nandi County Annex Tables

32. NANDI

Table 32.1: Gender, Age group, Demographic Indicators and Households Size by County, Constituency and Wards

County/Constituency/ Wards	Gender		Age group						Demographic indicators				Proportion of HH Members:			
	Total Pop	Male	zFemale	0-5 yrs	0-14 yrs	10-18 yrs	15-34 yrs	15-64 yrs	65+ yrs	sex Ratio	Total de- pendancy Ratio	Child depen- dancy Ratio	aged depen- dancy ratio	0-3	4-6	7+
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
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
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
Nandi County	742,540	371,379	371,161	147,829	334,648	160,399	252,679	380,909	26,983	1.001	0.949	0.879	0.071	32.1	42.5	25.4
Tinderet Constituency	99,617	50,790	48,827	21,265	46,882	21,997	33,888	49,796	2,939	1.040	1.001	0.941	0.059	29.7	40.9	29.4
Songhor/Soba	39,654	20,096	19,558	8,954	19,370	8,800	12,986	18,997	1,287	1.028	1.087	1.020	0.068	26.8	41.0	32.2
Tinderet	27,568	14,071	13,497	5,488	12,992	6,597	9,479	13,807	769	1.043	0.997	0.941	0.056	26.8	43.2	30.0
Chemili/Chemase	14,414	7,371	7,043	3,113	6,563	3,018	4,937	7,363	488	1.047	0.958	0.891	0.066	32.8	41.2	26.0
Kapsimotwo	17,981	9,252	8,729	3,710	7,957	3,582	6,486	9,629	395	1.060	0.867	0.826	0.041	37.1	37.4	25.5
Aldai Constituency	148,600	73,536	75,064	29,233	67,830	33,536	48,639	74,726	6,044	0.980	0.989	0.908	0.081	28.0	43.8	28.2
Kiwareng	22,734	11,108	11,626	4,334	10,513	5,665	7,092	11,287	934	0.955	1.014	0.931	0.083	26.7	44.0	29.3
Terik	20,398	10,053	10,345	4,115	9,458	4,632	6,285	9,959	981	0.972	1.048	0.950	0.099	29.4	43.7	26.9
Kemeloi-Maraba	35,028	17,100	17,928	7,145	16,732	8,030	10,919	16,828	1,468	0.954	1.082	0.994	0.087	24.9	44.3	30.7
Kobuji	26,466	13,094	13,372	5,254	12,026	5,962	8,813	13,356	1,084	0.979	0.982	0.900	0.081	26.9	42.2	30.9
Kaptumoi/Kaboi	24,072	12,143	11,929	4,650	10,286	4,783	8,724	12,989	797	1.018	0.853	0.792	0.061	34.6	43.9	21.5
Koyo/Ndurio	19,902	10,038	9,864	3,735	8,815	4,464	6,806	10,307	780	1.018	0.931	0.855	0.076	25.4	45.0	29.7
Nandi Hills Constituency	106,445	54,397	52,048	21,507	47,131	21,433	38,029	56,443	2,871	1.045	0.886	0.835	0.051	40.2	39.3	20.5
																24015

Nandi Hills	32,777	16,628	16,149	6,530	13,880	6,209	12,443	18,163	734	1,030	0.805	0.764	0.040	46.1	38.3	15.6	8128
Chepkunyuk	36,719	19,013	17,706	7,353	16,129	7,242	13,187	19,635	955	1,074	0.870	0.821	0.049	40.8	38.1	21.1	8261
Olessos	19,137	9,673	9,464	3,730	8,604	4,187	6,466	9,833	700	1,022	0.946	0.875	0.071	32.6	41.6	25.8	3918
Kapchorua	17,812	9,083	8,729	3,894	8,518	3,795	5,933	8,812	482	1,041	1.021	0.967	0.055	33.7	41.9	24.4	3708
Chesumei Constituency	127,841	63,358	64,483	24,060	55,684	27,860	44,600	67,244	4,913	0.983	0.901	0.828	0.073	33.1	41.9	25.0	26009
Chemundul/Kapng Etunyi	24,154	12,069	12,085	4,234	9,798	4,894	9,338	13,713	643	0.999	0.761	0.715	0.047	46.1	36.0	17.9	5814
Kosirai	25,433	12,547	12,886	4,529	10,540	5,723	9,348	13,892	1,001	0.974	0.831	0.759	0.072	26.8	43.6	29.6	4691
Leimok/Ngechek	22,212	11,022	11,190	4,092	9,308	4,649	7,893	11,915	989	0.985	0.864	0.781	0.083	33.2	42.5	24.3	4584
Kaptell/Kamoiyo	31,211	15,854	15,357	6,071	13,970	6,896	10,804	15,962	1,279	1.032	0.955	0.875	0.080	25.9	45.5	28.5	5910
Kiptuiya	24,831	11,866	12,965	5,134	12,068	5,698	7,217	11,762	1,001	0.915	1.111	1.026	0.085	32.5	42.4	25.2	5010
Emgwen Constituency	127,693	63,246	64,447	25,111	56,982	27,542	44,024	66,380	4,331	0.981	0.924	0.858	0.065	34.5	42.6	22.9	28879
Chepkurnia	21,271	10,455	10,816	4,761	10,343	4,500	6,588	10,227	701	0.967	1.080	1.011	0.069	30.8	43.0	26.2	4237
Kaplangani	23,783	11,453	12,330	4,798	11,077	5,457	7,396	11,819	887	0.929	1.012	0.937	0.075	34.8	43.4	21.8	5063
Kapsabet	34,666	17,399	17,267	6,323	14,391	7,059	13,321	19,378	897	1.008	0.789	0.743	0.046	44.7	38.0	17.3	8268
Kilibwoni	47,973	23,939	24,034	9,229	21,171	10,526	16,719	24,956	1,846	0.996	0.922	0.848	0.074	27.1	46.0	26.9	9311
Mosop Constituency	132,344	66,052	66,292	26,653	60,139	28,031	43,499	66,320	5,885	0.996	0.996	0.907	0.089	27.4	45.5	27.1	25717
Cheterwai	18,599	9,233	9,366	3,961	8,769	3,949	5,941	9,112	718	0.986	1.041	0.962	0.079	26.7	46.5	26.8	3627
Kipkaren	18,995	9,528	9,467	3,643	8,409	4,186	6,322	9,607	979	1.006	0.977	0.875	0.102	26.5	45.0	28.5	3583
Kurgung/Surungai	17,973	8,920	9,053	3,637	8,378	3,840	5,941	8,834	761	0.985	1.035	0.948	0.086	26.3	43.6	30.1	3381
Kabiyet	18,950	9,428	9,522	3,716	8,302	3,860	6,359	9,771	877	0.990	0.939	0.850	0.090	31.3	44.4	24.3	3872
Ndlat	18,479	9,210	9,269	3,669	8,340	3,960	6,014	9,256	883	0.994	0.996	0.901	0.095	26.1	46.9	27.0	3589

Kabisanga	18,340	9,176	9,164	3,586	8,056	3,825	6,237	9,528	756	1,001	0.925	0.846	0.079	27.8	46.4	25.9	3641
Sangalo/Kebulonik	21,008	10,557	10,451	4,441	9,885	4,411	6,685	10,212	911	1,010	1.057	0.968	0.089	26.8	45.4	27.8	4024

Table 32.2: 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	
Nandi County	23.5	9.6	37.1	1.0	9.6	15.0	0.4	3.8	380,909	
Tinderet Constituency	24.2	6.5	42.5	0.7	8.9	14.4	0.4	2.5	49,796	
Songhor/Soba	16.1	7.5	49.9	0.6	9.5	13.5	0.4	2.6	18,997	
Tinderet	23.8	4.8	45.5	0.9	3.2	20.2	0.3	1.2	13,807	
Chemill/Chemase	17.1	6.5	42.3	0.6	20.5	7.8	0.5	4.7	7,363	
Kapsimotwo	46.4	6.7	23.9	0.6	6.8	12.8	0.4	2.5	9,629	
Aldai Constituency	16.4	8.8	44.6	0.8	13.6	13.4	0.5	2.0	74,726	
Kibwareng	14.3	9.0	48.8	1.0	9.1	14.0	0.6	3.0	11,287	
Terik	11.5	13.3	52.6	1.0	6.2	13.3	0.7	1.4	9,959	
Kemeloi-Maraba	11.0	7.7	46.7	0.7	18.7	13.4	0.4	1.2	16,828	
Kobujoi	16.3	6.8	38.7	0.9	19.8	14.2	0.4	2.9	13,356	
Kaptumoi/Kaboi	29.9	10.1	37.3	0.8	7.1	12.9	0.4	1.6	12,989	
Koyo/Mdurio	15.5	6.7	45.6	0.4	17.3	12.4	0.4	1.7	10,307	
Nandi Hills Constituency	40.4	8.7	21.3	0.7	11.1	14.3	0.4	3.3	56,443	
Nandi Hills	45.3	11.2	17.1	0.6	8.8	12.9	0.3	3.8	18,163	
Chepkunyuk	48.0	6.1	16.3	0.8	12.0	13.7	0.5	2.6	19,635	
Ollessos	26.2	8.4	26.7	0.7	16.4	16.9	0.4	4.2	9,833	

Kapchorua	28.9	9.6	34.8	0.6	7.8	15.4	0.3	2.7	8,812
Chesumei Constituency	23.1	10.7	36.6	1.0	5.7	17.2	0.4	5.3	67,244
Chemunduku/Kapng Etunyi	30.3	11.9	22.6	0.9	7.2	20.5	0.3	6.4	13,713
Kosirai	25.7	10.2	32.0	1.0	4.8	20.3	0.3	5.7	13,892
Leimok/Ngechek	23.5	13.0	28.1	0.8	8.3	17.7	0.4	8.2	11,915
Kaptel/Kamoiwo	19.0	9.3	48.4	0.9	4.3	16.0	0.6	1.7	15,962
Kiptuiya	16.9	9.4	51.0	1.6	4.6	10.7	0.4	5.4	11,762
Engwen Constituency	24.7	11.9	35.2	1.0	6.6	15.4	0.4	4.8	66,380
Chepkuria	20.7	10.6	48.0	0.7	2.8	15.3	0.3	1.6	10,227
Kapkangani	21.1	11.2	35.6	1.0	9.8	14.8	0.6	5.8	11,819
Kapsabet	30.8	17.0	25.5	1.6	5.3	13.4	0.3	6.1	19,378
Kilibwoni	23.4	8.9	37.3	0.7	7.5	17.3	0.4	4.5	24,956
Mosop Constituency	15.7	10.5	40.6	1.4	11.2	15.4	0.4	4.8	66,320
Chetwari	13.0	10.9	42.5	3.0	13.4	12.5	0.5	4.3	9,112
Kipkaren	17.0	13.5	31.8	2.0	11.5	18.3	0.4	5.4	9,607
Kurgung/Surungai	15.1	11.3	49.6	0.7	3.4	14.5	0.3	5.1	8,834
Kabiyet	18.5	12.7	31.8	0.9	13.5	15.8	0.6	6.1	9,771
Ndlat	15.1	9.8	41.7	1.0	10.8	16.7	0.3	4.6	9,256
Kabisanga	19.1	9.8	32.3	0.9	15.7	17.5	0.5	4.3	9,528
Sangalo/Kebulonik	11.9	6.0	54.4	1.1	9.9	12.7	0.4	3.8	10,212

Table 32.3: Employment and Education Levels by County, Constituency and Wards

County /constituen- cy/Wards	Education Totallevel	Work for pay	Family Business	Family Agricul- tural Holding	Intern/ Volunteer	Retired /Home- maker	Fulltime Student	Incapaci- tated	No work	Number of Individuals
Kenya	Total	23.7	13.1	32.0	1.1	9.2	12.8	0.5	7.7	20,249,800
Kenya	None	11.1	14.0	44.4	1.7	14.7	0.8	1.2	12.1	3,154,356
Kenya	Primary	20.7	12.6	37.3	0.8	9.6	12.1	0.4	6.5	9,528,270
Kenya	Secondary+	32.7	13.3	20.2	1.2	6.6	18.6	0.2	7.3	7,567,174
Rural	Total	15.6	11.2	43.5	1.0	8.8	13.0	0.5	6.3	12,984,788
Rural	None	8.5	13.6	50.0	1.4	13.9	0.7	1.2	10.7	2,614,951
Rural	Primary	15.5	10.8	45.9	0.8	8.4	13.2	0.5	5.0	6,785,745
Rural	Secondary+	21.0	10.1	34.3	1.0	5.9	21.9	0.3	5.5	3,584,092
Urban	Total	38.1	16.4	11.4	1.3	9.9	12.2	0.3	10.2	7,265,012
Urban	None	23.5	15.8	17.1	3.1	18.7	1.5	1.6	18.8	539,405
Urban	Primary	33.6	16.9	16.0	1.0	12.3	9.5	0.4	10.2	2,742,525
Urban	Secondary+	43.2	16.1	7.5	1.3	7.1	15.6	0.2	9.0	3,983,082
Nandi	Total	23.5	9.6	37.1	1.0	9.6	15.0	0.4	3.8	380,909
Nandi	None	24.2	8.7	43.0	2.6	13.9	0.7	2.7	4.2	21,465
Nandi	Primary	22.0	9.4	40.3	0.7	10.4	13.5	0.3	3.3	240,250
Nandi	Secondary+	26.5	10.3	29.6	1.1	7.0	20.6	0.2	4.7	119,194
Tinderet Constituency	Total	24.2	6.5	42.5	0.7	8.9	14.4	0.4	2.5	49,796
Tinderet Constituency	None	22.3	5.6	50.3	1.6	14.2	0.6	2.5	2.8	3,357
Tinderet Constituency	Primary	22.5	6.5	45.2	0.4	9.6	13.3	0.3	2.3	34,541
Tinderet Constituency	Secondary+	29.7	6.6	32.4	1.2	5.2	21.5	0.1	3.2	11,898
Songhor/Soba Wards	Total	16.1	7.5	49.9	0.6	9.5	13.5	0.4	2.6	18,997
Songhor/Soba Wards	None	17.2	5.8	55.4	1.6	14.8	0.3	2.6	2.3	1,405
Songhor/Soba Wards	Primary	14.0	7.4	52.5	0.4	9.9	13.3	0.2	2.4	13,905
Songhor/Soba Wards	Secondary+	23.5	8.5	37.7	1.0	6.3	19.3	0.1	3.7	3,687
Tinderet Wards	Total	23.8	4.8	45.5	0.9	3.2	20.2	0.3	1.2	13,807
Tinderet Wards	None	21.3	3.7	62.4	1.5	6.2	1.3	2.5	1.0	788
Tinderet Wards	Primary	22.3	4.8	50.2	0.5	3.6	17.3	0.3	0.9	8,725

Tinderet Wards	Secondary+	27.2	4.9	32.9	1.7	1.8	29.5	0.1	2.0	4,294
Chemilil/Chemase Wards	Total	17.1	6.5	42.3	0.6	20.5	7.8	0.5	4.7	7,363
Chemilil/Chemase Wards	None	19.8	5.6	34.9	2.1	27.5	0.2	2.9	7.0	585
Chemilil/Chemase Wards	Primary	15.6	6.5	43.1	0.4	21.9	8.0	0.3	4.2	5,222
Chemilil/Chemase Wards	Secondary+	21.1	7.1	42.1	0.8	13.2	10.2	0.1	5.5	1,556
Kapsimotwo Wards	Total	46.4	6.7	23.9	0.6	6.8	12.8	0.4	2.5	9,629
Kapsimotwo Wards	None	38.5	7.9	37.1	1.4	10.0	0.9	1.7	2.4	579
Kapsimotwo Wards	Primary	45.9	6.7	25.1	0.4	7.3	12.0	0.3	2.3	6,689
Kapsimotwo Wards	Secondary+	49.7	6.5	17.0	0.9	4.6	18.0	0.3	3.1	2,361
Aldai Constituency	Total	16.4	8.8	44.6	0.8	13.6	13.4	0.5	2.0	74,726
Aldai Constituency	None	18.3	8.1	47.4	2.9	17.8	0.4	2.7	2.5	4,558
Aldai Constituency	Primary	15.1	8.6	46.9	0.6	14.4	12.5	0.4	1.5	48,118
Aldai Constituency	Secondary+	18.9	9.3	38.9	0.9	10.9	18.0	0.3	2.8	22,050
Kibwareng Wards	Total	14.3	9.0	48.8	1.0	9.1	14.0	0.6	3.0	11,287
Kibwareng Wards	None	15.8	7.3	54.8	3.1	13.3	0.4	2.5	2.6	682
Kibwareng Wards	Primary	12.8	8.6	51.9	0.7	9.8	13.1	0.6	2.5	6,955
Kibwareng Wards	Secondary+	17.0	10.1	41.8	1.2	7.0	18.4	0.4	4.2	3,650
Terik Wards	Total	11.5	13.3	52.6	1.0	6.2	13.3	0.7	1.4	9,959
Terik Wards	None	13.0	12.5	58.4	2.9	6.1	0.3	3.4	3.4	622
Terik Wards	Primary	8.5	13.2	58.0	0.7	5.9	12.1	0.5	1.2	6,373
Terik Wards	Secondary+	17.7	13.7	40.0	1.3	7.0	18.5	0.4	1.6	2,964
Kemeloi-Maraba Wards	Total	11.0	7.7	46.7	0.7	18.7	13.4	0.4	1.2	16,828
Kemeloi-Maraba Wards	None	11.6	6.6	55.5	1.5	21.1	0.4	1.9	1.5	1,414
Kemeloi-Maraba Wards	Primary	9.5	8.1	47.9	0.6	19.8	12.8	0.3	1.0	11,607
Kemeloi-Maraba Wards	Secondary+	15.4	7.0	39.9	1.0	14.5	20.1	0.2	2.0	3,807
Kobujoi Wards	Total	16.3	6.8	38.7	0.9	19.8	14.2	0.4	2.9	13,356
Kobujoi Wards	None	19.5	6.4	37.2	5.4	26.0	0.1	2.0	3.4	989
Kobujoi Wards	Primary	14.5	6.4	41.1	0.6	20.8	13.9	0.3	2.5	8,378
Kobujoi Wards	Secondary+	19.3	7.8	33.9	0.6	16.0	18.4	0.2	3.8	3,989
Kaptumoi/Kaboi Wards	Total	29.9	10.1	37.3	0.8	7.1	12.9	0.4	1.6	12,989
Kaptumoi/Kaboi Wards	None	41.8	12.7	26.9	2.1	8.6	0.2	4.7	3.2	536

Kaptumoi/Kaboi Wards	Primary	31.8	9.8	37.8	0.6	7.4	11.4	0.2	1.1	8,028
Kaptumoi/Kaboi Wards	Secondary+	25.0	10.4	37.5	0.9	6.4	17.2	0.3	2.4	4,425
Koyo/Ndurio Wards	Total	15.5	6.7	45.6	0.4	17.3	12.4	0.4	1.7	10,307
Koyo/Ndurio Wards	None	20.0	5.1	40.0	2.2	25.1	1.9	4.1	1.6	315
Koyo/Ndurio Wards	Primary	14.2	6.4	47.7	0.3	18.3	11.5	0.3	1.3	6,777
Koyo/Ndurio Wards	Secondary+	17.8	7.4	41.7	0.4	14.3	15.4	0.3	2.6	3,215
Nandi Hills Constituency	Total	40.4	8.7	21.3	0.7	11.1	14.3	0.4	3.3	56,443
Nandi Hills Constituency	None	38.2	7.9	27.3	1.8	18.5	0.6	2.8	2.9	3,256
Nandi Hills Constituency	Primary	40.9	8.0	22.5	0.5	12.0	13.1	0.3	2.7	35,542
Nandi Hills Constituency	Secondary+	39.7	10.1	17.6	0.9	7.9	19.2	0.2	4.5	17,645
Nandi Hills Wards	Total	45.3	11.2	17.1	0.6	8.8	12.9	0.3	3.8	18,163
Nandi Hills Wards	None	44.8	11.0	25.0	1.4	12.2	0.7	2.5	2.3	991
Nandi Hills Wards	Primary	46.3	10.3	18.5	0.4	9.7	11.3	0.2	3.3	11,134
Nandi Hills Wards	Secondary+	43.7	12.9	13.2	0.8	6.4	17.8	0.2	5.0	6,038
Chepkunyak Wards	Total	48.0	6.1	16.3	0.8	12.0	13.7	0.5	2.6	19,635
Chepkunyak Wards	None	40.9	4.8	21.9	2.7	22.2	0.5	3.9	3.1	957
Chepkunyak Wards	Primary	48.6	5.9	17.1	0.6	13.0	12.4	0.3	2.0	12,991
Chepkunyak Wards	Secondary+	48.0	6.7	13.6	0.9	7.9	19.0	0.3	3.8	5,687
Ollessos Wards	Total	26.2	8.4	26.7	0.7	16.4	16.9	0.4	4.2	9,833
Ollessos Wards	None	31.6	5.5	24.5	1.2	30.1	0.9	3.0	3.3	691
Ollessos Wards	Primary	27.1	7.1	27.1	0.5	18.2	16.4	0.3	3.4	5,230
Ollessos Wards	Secondary+	24.0	10.6	26.5	1.0	11.8	20.5	0.2	5.5	3,912
Kapchorua Wards	Total	28.9	9.6	34.8	0.6	7.8	15.4	0.3	2.7	8,812
Kapchorua Wards	None	31.1	10.4	42.6	1.6	9.9	0.5	1.1	2.8	617
Kapchorua Wards	Primary	26.7	9.2	37.3	0.5	8.6	14.9	0.3	2.5	6,187
Kapchorua Wards	Secondary+	34.8	10.5	24.6	0.8	4.6	21.5	0.1	3.2	2,008
Chesumei Constituency	Total	23.1	10.7	36.6	1.0	5.7	17.2	0.4	5.3	67,244
Chesumei Constituency	None	26.9	9.5	41.4	3.7	8.5	0.8	2.8	6.4	3,203
Chesumei Constituency	Primary	21.3	10.5	41.6	0.8	6.3	14.4	0.4	4.8	39,246
Chesumei Constituency	Secondary+	25.5	11.0	28.1	1.1	4.4	23.8	0.2	5.9	24,795
Chemundu/Kapng Etunyi Wards	Total	30.3	11.9	22.6	0.9	7.2	20.5	0.3	6.4	13,713

Chemundu/Kapng Etunyi Wards	None	35.7	10.9	32.0	2.9	8.8	0.6	2.1	7.0	659
Chemundu/Kapng Etunyi Wards	Primary	28.7	11.0	28.3	0.6	8.7	16.7	0.2	5.9	6,767
Chemundu/Kapng Etunyi Wards	Secondary+	31.4	12.9	15.6	1.1	5.3	26.7	0.1	6.9	6,287
Kosirai Wards	Total	25.7	10.2	32.0	1.0	4.8	20.3	0.3	5.7	13,892
Kosirai Wards	None	34.1	10.7	35.2	4.4	6.1	1.0	2.2	6.3	495
Kosirai Wards	Primary	25.6	10.4	36.4	0.8	5.7	15.5	0.3	5.2	7,798
Kosirai Wards	Secondary+	25.1	9.8	25.5	1.1	3.4	28.7	0.2	6.4	5,599
Lelmok/Ngechek Wards	Total	23.5	13.0	28.1	0.8	8.3	17.7	0.4	8.2	11,915
Lelmok/Ngechek Wards	None	25.2	13.2	31.3	2.5	10.5	1.2	3.5	12.6	485
Lelmok/Ngechek Wards	Primary	20.2	13.2	32.7	0.6	10.0	15.1	0.4	7.8	6,478
Lelmok/Ngechek Wards	Secondary+	27.7	12.6	21.8	1.0	5.8	22.8	0.1	8.2	4,952
Kaptel/Kamoiywo Wards	Total	19.0	9.3	48.4	0.9	4.3	16.0	0.6	1.7	15,962
Kaptel/Kamoiywo Wards	None	20.8	8.1	53.8	2.2	7.0	1.2	5.1	1.8	669
Kaptel/Kamoiywo Wards	Primary	18.0	9.5	51.0	0.7	4.6	14.6	0.4	1.2	10,213
Kaptel/Kamoiywo Wards	Secondary+	20.9	8.9	42.2	0.9	3.3	20.8	0.3	2.7	5,080
Kiptuiya Wards	Total	16.9	9.4	51.0	1.6	4.6	10.7	0.4	5.4	11,762
Kiptuiya Wards	None	21.9	6.9	48.0	5.6	9.7	0.2	1.5	6.2	895
Kiptuiya Wards	Primary	15.9	9.2	53.1	1.2	4.1	10.3	0.4	5.7	7,990
Kiptuiya Wards	Secondary+	18.2	10.7	46.2	1.4	4.1	15.0	0.2	4.3	2,877
Emgwen Constituency	Total	24.7	11.9	35.2	1.0	6.6	15.4	0.4	4.8	66,380
Emgwen Constituency	None	24.9	13.0	42.4	2.4	8.2	1.1	2.1	5.9	3,567
Emgwen Constituency	Primary	22.6	11.6	39.7	0.8	7.1	13.7	0.3	4.3	40,852
Emgwen Constituency	Secondary+	28.6	12.4	25.8	1.3	5.3	20.9	0.2	5.6	21,961
Chepkumia Wards	Total	20.7	10.6	48.0	0.7	2.8	15.3	0.3	1.6	10,227
Chepkumia Wards	None	25.8	4.9	61.1	1.2	2.0	0.5	1.7	2.9	656
Chepkumia Wards	Primary	18.8	10.8	50.3	0.5	2.9	15.2	0.2	1.3	7,018
Chepkumia Wards	Secondary+	24.8	11.3	38.3	0.9	2.8	19.4	0.2	2.2	2,553
Kapkangani Wards	Total	21.1	11.2	35.6	1.0	9.8	14.8	0.6	5.8	11,819
Kapkangani Wards	None	23.9	9.6	43.2	1.4	12.0	0.2	3.3	6.4	848
Kapkangani Wards	Primary	19.5	11.8	39.2	0.9	10.0	12.1	0.5	6.0	7,601
Kapkangani Wards	Secondary+	24.0	10.1	25.6	1.4	8.9	24.5	0.1	5.4	3,370

Kapsabet Wards	Total	30.8	17.0	25.5	1.6	5.3	13.4	0.3	6.1	19,378
Kapsabet Wards	None	25.4	24.8	30.5	3.4	5.7	1.5	1.7	7.0	1,172
Kapsabet Wards	Primary	27.2	16.4	31.7	1.2	5.8	11.9	0.2	5.5	10,258
Kapsabet Wards	Secondary+	36.2	16.5	16.8	1.8	4.6	17.1	0.2	6.8	7,948
Kilibwoni Wards	Total	23.4	8.9	37.3	0.7	7.5	17.3	0.4	4.5	24,956
Kilibwoni Wards	None	24.5	6.9	43.7	2.8	12.6	1.9	1.7	6.1	891
Kilibwoni Wards	Primary	22.9	8.7	40.3	0.5	8.3	14.9	0.4	4.0	15,975
Kilibwoni Wards	Secondary+	24.1	9.6	30.7	0.9	5.4	23.7	0.2	5.4	8,090
Mosop Constituency	Total	15.7	10.5	40.6	1.4	11.2	15.4	0.4	4.8	66,320
Mosop Constituency	None	17.5	7.9	47.0	3.4	15.0	0.7	3.2	5.4	3,524
Mosop Constituency	Primary	13.3	10.7	43.3	1.2	12.4	14.4	0.3	4.4	41,951
Mosop Constituency	Secondary+	20.2	10.8	33.9	1.2	8.2	20.0	0.2	5.6	20,845
Cheterwai Wards	Total	13.0	10.9	42.5	3.0	13.4	12.5	0.5	4.3	9,112
Cheterwai Wards	None	15.6	5.9	47.4	6.1	18.2	0.6	1.9	4.2	473
Cheterwai Wards	Primary	10.2	11.1	44.6	3.1	14.6	12.0	0.6	3.8	6,044
Cheterwai Wards	Secondary+	19.0	11.3	36.5	2.0	9.7	15.9	0.1	5.4	2,595
Kipkaren Wards	Total	17.0	13.5	31.8	2.0	11.5	18.3	0.4	5.4	9,607
Kipkaren Wards	None	18.9	16.0	36.8	3.2	15.5	1.1	2.1	6.4	562
Kipkaren Wards	Primary	15.3	13.9	33.4	1.7	12.8	17.4	0.4	5.1	5,684
Kipkaren Wards	Secondary+	19.7	12.4	28.3	2.2	8.7	22.7	0.2	5.8	3,361
Kurgung/Surungai Wards	Total	15.1	11.3	49.6	0.7	3.4	14.5	0.3	5.1	8,834
Kurgung/Surungai Wards	None	20.6	9.4	49.9	4.7	5.0	1.3	2.6	6.5	383
Kurgung/Surungai Wards	Primary	12.7	11.7	52.9	0.5	3.4	13.6	0.2	5.0	5,732
Kurgung/Surungai Wards	Secondary+	19.3	10.9	42.7	0.5	3.2	18.2	0.2	5.0	2,719
Kabiyet Wards	Total	18.5	12.7	31.8	0.9	13.5	15.8	0.6	6.1	9,771
Kabiyet Wards	None	17.5	9.4	32.9	2.8	19.4	0.9	6.4	10.7	468
Kabiyet Wards	Primary	15.5	12.8	34.7	0.8	15.3	14.8	0.3	5.8	6,105
Kabiyet Wards	Secondary+	24.6	13.0	26.2	0.9	9.1	20.1	0.1	6.1	3,198
Ndalat Wards	Total	15.1	9.8	41.7	1.0	10.8	16.7	0.3	4.6	9,256
Ndalat Wards	None	21.7	6.0	50.2	3.4	11.6	0.5	3.8	2.9	448
Ndalat Wards	Primary	12.8	10.2	43.0	0.7	12.7	16.8	0.2	3.7	5,356

Ndalat Wards	Secondary+	17.8	9.7	38.5	1.1	7.9	18.7	0.1	6.2	3,452
Kabisanga Wards	Total	19.1	9.8	32.3	0.9	15.7	17.5	0.5	4.3	9,528
Kabisanga Wards	None	24.5	6.4	35.7	2.7	23.2	0.5	3.9	3.2	409
Kabisanga Wards	Primary	17.3	9.9	34.8	0.8	17.5	15.6	0.4	3.7	5,992
Kabisanga Wards	Secondary+	21.7	10.2	27.1	0.7	11.1	23.4	0.2	5.6	3,127
Sangalo/Kebulonik Wards	Total	11.9	6.0	54.4	1.1	9.9	12.7	0.4	3.8	10,212
Sangalo/Kebulonik Wards	None	9.9	3.3	65.3	2.2	12.4	0.4	2.4	4.1	781
Sangalo/Kebulonik Wards	Primary	9.8	5.9	57.5	1.0	10.4	11.4	0.3	3.6	7,038
Sangalo/Kebulonik Wards	Secondary+	18.5	7.2	41.4	1.0	7.3	20.4	0.1	4.2	2,393

Table 32.4: Employment and Education Levels in Male Headed Household by County, Constituency and Wards

County, Constituency and Wards	Education Level reached	Work for Pay	Family Business	Family Agricultural holding	Internal/ Volunteer	Retired/ Homemaker	Fulltime Student	Incapacitated	No work	Population (15-64)
Kenya National	Total	25.5	13.5	31.6	1.1	9.0	11.4	0.4	7.5	14,757,992
Kenya National	None	11.4	14.3	44.2	1.6	13.9	0.9	1.0	12.6	2,183,284
Kenya National	Primary	22.2	12.9	37.3	0.8	9.4	10.6	0.4	6.4	6,939,667
Kenya National	Secondary+	35.0	13.8	19.8	1.1	6.5	16.5	0.2	7.0	5,635,041
Rural Rural	Total	16.8	11.6	43.9	1.0	8.3	11.7	0.5	6.3	9,262,744
Rural Rural	None	8.6	14.1	49.8	1.4	13.0	0.8	1.0	11.4	1,823,487
Rural Rural	Primary	16.5	11.2	46.7	0.8	8.0	11.6	0.4	4.9	4,862,291
Rural Rural	Secondary+	23.1	10.6	34.7	1.0	5.5	19.6	0.2	5.3	2,576,966
Urban Urban	Total	40.2	16.6	10.9	1.3	10.1	10.9	0.3	9.7	5,495,248
Urban Urban	None	25.8	15.5	16.1	3.0	18.2	1.4	1.3	18.7	359,797
Urban Urban	Primary	35.6	16.9	15.4	1.0	12.8	8.1	0.3	9.9	2,077,376
Urban Urban	Secondary+	45.1	16.6	7.3	1.2	7.4	13.8	0.1	8.5	3,058,075
Nandi	Total	24.8	9.8	37.4	0.9	9.4	13.8	0.4	3.6	288,251
Nandi	None	26.2	9.1	42.1	2.6	12.6	0.7	2.5	4.3	14,126
Nandi	Primary	23.1	9.5	40.7	0.7	10.4	12.3	0.3	3.1	184,626
Nandi	Secondary+	28.2	10.6	29.8	1.1	6.7	19.0	0.2	4.5	89,499

Tinderet Constituency	Total	25.1	6.6	42.5	0.7	9.0	13.5	0.3	2.4	39,567
Tinderet Constituency	None	24.3	5.9	49.2	1.6	12.9	0.7	2.4	2.9	2,275
Tinderet Constituency	Primary	23.2	6.5	45.4	0.4	9.9	12.3	0.2	2.2	27,889
Tinderet Constituency	Secondary+	30.9	6.9	32.5	1.2	5.2	20.2	0.1	3.0	9,403
Songhor/Soba Ward	Total	16.6	7.4	50.3	0.6	9.6	12.7	0.3	2.5	15,123
Songhor/Soba Ward	None	18.5	5.9	54.6	1.4	14.3	0.3	2.6	2.4	961
Songhor/Soba Ward	Primary	14.4	7.2	52.9	0.4	10.1	12.6	0.2	2.3	11,268
Songhor/Soba Ward	Secondary+	24.5	8.6	38.7	1.1	6.3	17.3	0.1	3.5	2,894
Tinderet Ward	Total	24.6	4.9	45.7	0.8	3.5	19.0	0.2	1.2	10,824
Tinderet Ward	None	22.5	4.1	60.9	1.8	6.1	1.8	2.0	1.0	512
Tinderet Ward	Primary	22.9	4.8	51.1	0.5	4.0	15.6	0.2	0.8	6,918
Tinderet Ward	Secondary+	28.5	5.2	32.4	1.4	1.9	28.7	0.1	1.9	3,394
Chemilil/Chemase Ward	Total	17.8	6.8	42.0	0.6	20.5	7.2	0.5	4.6	5,713
Chemilil/Chemase Ward	None	24.0	6.1	33.0	2.6	23.2	0.3	2.9	7.9	379
Chemilil/Chemase Ward	Primary	16.1	6.6	42.7	0.4	22.4	7.2	0.3	4.2	4,133
Chemilil/Chemase Ward	Secondary+	22.0	7.8	42.2	0.7	12.8	9.4	0.1	5.0	1,201
Kapsimotwo Ward	Total	47.3	7.0	23.8	0.6	6.9	11.8	0.4	2.3	7,907
Kapsimotwo Ward	None	40.0	7.8	37.4	1.2	9.0	0.7	2.1	1.9	423
Kapsimotwo Ward	Primary	46.7	7.0	25.1	0.4	7.5	11.1	0.3	2.0	5,570
Kapsimotwo Ward	Secondary+	50.7	6.9	17.1	1.0	4.7	16.2	0.2	3.2	1,914
Aldai Constituency	Total	17.2	8.9	45.0	0.8	13.2	12.7	0.4	1.8	56,676
Aldai Constituency	None	19.9	8.4	46.6	3.0	16.7	0.4	2.7	2.3	3,054
Aldai Constituency	Primary	15.6	8.6	47.5	0.5	14.3	11.7	0.3	1.4	37,093
Aldai Constituency	Secondary+	20.4	9.5	39.0	0.9	10.3	17.1	0.3	2.6	16,529
Kibwareng Ward	Total	15.6	9.5	48.1	1.0	8.8	13.6	0.5	2.8	7,906
Kibwareng Ward	None	16.2	7.0	54.1	3.1	13.8	0.7	2.2	2.9	414
Kibwareng Ward	Primary	13.9	9.1	51.9	0.7	9.6	12.3	0.4	2.1	4,906
Kibwareng Ward	Secondary+	18.7	10.8	40.0	1.4	6.5	18.2	0.4	4.0	2,586
Terik Ward	Total	12.1	13.3	53.7	1.0	5.8	12.3	0.6	1.4	7,419
Terik Ward	None	13.7	12.7	57.7	2.9	5.9	0.5	3.7	2.9	409
Terik Ward	Primary	8.6	13.4	59.1	0.6	5.6	11.0	0.5	1.2	4,874

Terik Ward	Secondary+	19.6	13.2	40.4	1.3	6.2	17.4	0.3	1.5	2,136
Kemeloi-Maraba Ward	Total	11.4	7.9	47.1	0.7	18.5	12.8	0.4	1.2	12,749
Kemeloi-Maraba Ward	None	12.1	7.4	55.1	0.9	20.6	0.3	1.9	1.6	975
Kemeloi-Maraba Ward	Primary	9.7	8.2	48.5	0.6	19.8	12.0	0.3	0.9	8,962
Kemeloi-Maraba Ward	Secondary+	16.4	7.2	39.5	1.0	13.8	19.8	0.2	2.0	2,812
Kobujoi Ward	Total	16.6	7.0	39.7	0.9	18.9	13.8	0.3	2.8	10,216
Kobujoi Ward	None	22.4	6.6	36.9	6.6	23.3	-	1.9	2.3	683
Kobujoi Ward	Primary	14.2	6.6	42.4	0.5	20.3	13.5	0.2	2.3	6,505
Kobujoi Ward	Secondary+	20.7	7.9	34.7	0.5	14.8	17.6	0.2	3.7	3,028
Kaptumoi/Kaboi Ward	Total	31.0	9.9	38.1	0.8	6.9	11.6	0.3	1.3	10,274
Kaptumoi/Kaboi Ward	None	47.6	13.4	23.4	2.0	6.3	-	4.3	3.1	351
Kaptumoi/Kaboi Ward	Primary	32.7	9.4	38.7	0.6	7.3	10.2	0.2	0.9	6,452
Kaptumoi/Kaboi Ward	Secondary+	26.1	10.6	38.4	1.0	6.3	15.3	0.2	2.0	3,471
Koyo/Ndurio Ward	Total	16.1	6.8	46.1	0.3	17.0	11.7	0.4	1.6	8,112
Koyo/Ndurio Ward	None	21.6	5.9	41.0	2.7	20.7	1.4	5.0	1.8	222
Koyo/Ndurio Ward	Primary	14.5	6.3	48.3	0.2	18.3	10.9	0.3	1.2	5,394
Koyo/Ndurio Ward	Secondary+	18.8	7.9	41.9	0.4	13.8	14.6	0.3	2.4	2,496
Nandi Hills Constituency	Total	42.2	8.8	21.2	0.6	11.0	12.8	0.4	3.0	44,748
Nandi Hills Constituency	None	40.7	8.1	26.4	1.8	16.4	0.5	2.9	3.2	2,245
Nandi Hills Constituency	Primary	42.5	8.1	22.5	0.5	12.2	11.4	0.3	2.5	28,697
Nandi Hills Constituency	Secondary+	41.8	10.4	17.5	0.8	7.4	17.8	0.1	4.1	13,806
Nandi Hills Ward	Total	46.7	11.2	17.3	0.6	8.7	11.7	0.3	3.6	14,548
Nandi Hills Ward	None	46.4	11.2	25.1	1.2	10.5	0.4	2.6	2.5	722
Nandi Hills Ward	Primary	47.4	10.2	18.9	0.4	9.8	10.0	0.2	3.1	9,063
Nandi Hills Ward	Secondary+	45.3	13.1	13.1	0.8	6.2	16.5	0.1	4.8	4,763
Chepkunyuk Ward	Total	49.6	6.1	16.5	0.8	12.0	12.2	0.4	2.4	16,022
Chepkunyuk Ward	None	43.1	4.8	22.1	2.5	20.1	0.4	3.7	3.3	671
Chepkunyuk Ward	Primary	49.9	5.8	17.2	0.6	13.4	11.0	0.3	1.9	10,776
Chepkunyuk Ward	Secondary+	49.8	6.9	14.1	0.8	7.8	16.9	0.2	3.5	4,575
Ollessos Ward	Total	28.7	9.1	26.3	0.6	15.7	15.4	0.4	3.7	7,180
Ollessos Ward	None	37.6	4.6	21.8	1.4	25.7	0.9	3.7	4.4	436

Ollessos Ward	Primary	29.6	7.9	26.5	0.4	18.5	13.7	0.3	3.0	3,870
Ollessos Ward	Secondary+	26.1	11.4	26.7	0.8	10.5	19.8	0.1	4.7	2,874
Kapchorua Ward	Total	30.0	9.9	34.5	0.5	8.4	13.9	0.3	2.6	6,998
Kapchorua Ward	None	30.0	11.5	40.4	2.2	11.1	0.5	1.2	3.1	416
Kapchorua Ward	Primary	27.8	9.5	37.5	0.4	9.3	13.0	0.2	2.3	4,988
Kapchorua Ward	Secondary+	36.9	10.7	23.7	0.6	4.7	20.1	0.1	3.2	1,594
Chesumei Constituency	Total	24.7	10.9	36.9	1.0	5.6	15.5	0.3	5.0	48,803
Chesumei Constituency	None	28.2	10.9	40.9	3.3	7.1	0.7	2.3	6.6	2,021
Chesumei Constituency	Primary	22.5	10.7	41.9	0.8	6.3	13.0	0.3	4.5	28,841
Chesumei Constituency	Secondary+	27.9	11.3	28.4	1.1	4.2	21.1	0.2	5.8	17,941
Chemundu/Kapng Etunyi Ward	Total	31.8	11.7	23.4	0.9	7.1	18.6	0.2	6.3	10,144
Chemundu/Kapng Etunyi Ward	None	35.6	12.7	32.1	3.1	6.5	-	2.2	7.8	449
Chemundu/Kapng Etunyi Ward	Primary	29.9	10.6	28.9	0.6	8.8	15.4	0.2	5.7	5,086
Chemundu/Kapng Etunyi Ward	Secondary+	33.6	12.8	16.6	1.0	5.2	23.9	0.2	6.7	4,609
Kosirai Ward	Total	27.9	10.5	32.8	1.0	4.7	17.0	0.3	5.7	9,864
Kosirai Ward	None	36.2	12.4	31.9	4.6	4.2	1.3	2.3	7.2	307
Kosirai Ward	Primary	27.4	10.3	36.5	0.7	5.5	14.1	0.3	5.0	5,750
Kosirai Ward	Secondary+	27.8	10.7	27.3	1.2	3.4	22.7	0.2	6.6	3,807
Lelmok/Ngechek Ward	Total	24.8	13.3	27.9	0.8	8.1	17.1	0.3	7.7	8,761
Lelmok/Ngechek Ward	None	28.5	15.9	26.8	2.0	9.9	1.0	3.0	12.9	302
Lelmok/Ngechek Ward	Primary	21.4	13.8	33.3	0.5	10.3	13.1	0.3	7.2	4,686
Lelmok/Ngechek Ward	Secondary+	28.6	12.4	21.3	1.1	5.3	23.2	0.1	8.0	3,773
Kaptel/Kamoiywo Ward	Total	20.2	9.6	48.6	0.9	4.3	14.4	0.5	1.6	12,157
Kaptel/Kamoiywo Ward	None	22.1	8.5	53.6	2.1	6.8	1.2	4.0	1.6	425
Kaptel/Kamoiywo Ward	Primary	18.4	9.9	51.4	0.7	4.7	13.4	0.4	1.1	7,886
Kaptel/Kamoiywo Ward	Secondary+	23.5	9.0	42.4	1.0	3.2	17.9	0.3	2.6	3,846
Kiptuiya Ward	Total	18.5	10.0	51.3	1.6	3.8	9.6	0.3	4.9	7,877
Kiptuiya Ward	None	22.1	7.6	51.1	4.5	8.0	0.4	0.7	5.6	538
Kiptuiya Ward	Primary	17.1	9.7	53.5	1.3	3.7	9.1	0.4	5.3	5,433
Kiptuiya Ward	Secondary+	21.2	11.4	45.3	1.7	3.0	13.5	0.1	3.7	1,906
Emgwen Constituency	Total	26.1	12.2	35.7	1.0	6.3	13.8	0.3	4.6	49,314

Emgwen Constituency	None	26.4	13.9	41.0	2.5	7.3	1.2	1.8	6.0	2,346
Emgwen Constituency	Primary	24.0	11.7	40.2	0.7	6.7	12.3	0.3	4.0	30,817
Emgwen Constituency	Secondary+	30.0	12.8	26.5	1.3	5.2	18.5	0.2	5.6	16,151
Chepkumia Ward	Total	22.0	11.0	47.5	0.6	3.0	13.9	0.3	1.6	7,723
Chepkumia Ward	None	26.9	4.9	61.3	1.4	1.9	0.5	0.9	2.3	431
Chepkumia Ward	Primary	19.7	11.2	50.2	0.4	3.2	13.8	0.2	1.2	5,342
Chepkumia Ward	Secondary+	27.1	11.9	37.2	0.9	2.9	17.3	0.3	2.4	1,950
Kapkangani Ward	Total	23.8	11.4	35.3	1.0	9.2	12.8	0.4	6.0	7,990
Kapkangani Ward	None	24.8	9.0	44.2	1.3	10.5	0.2	2.6	7.5	545
Kapkangani Ward	Primary	22.1	12.0	38.9	0.8	9.2	10.6	0.4	6.0	5,219
Kapkangani Ward	Secondary+	27.6	10.6	24.7	1.5	8.9	21.1	-	5.6	2,226
Kapsabet Ward	Total	31.8	17.6	26.6	1.5	4.8	11.5	0.3	5.9	14,310
Kapsabet Ward	None	25.3	26.9	28.9	3.6	5.4	1.6	1.7	6.5	802
Kapsabet Ward	Primary	28.3	16.8	32.7	1.2	5.2	10.5	0.2	5.1	7,788
Kapsabet Ward	Secondary+	37.3	17.4	17.9	1.7	4.2	14.4	0.2	6.9	5,720
Kilibwoni Ward	Total	24.5	9.0	37.9	0.7	7.4	15.9	0.3	4.3	19,291
Kilibwoni Ward	None	29.2	6.9	39.4	2.8	11.1	1.9	1.9	6.7	568
Kilibwoni Ward	Primary	24.0	8.6	41.0	0.5	8.2	13.5	0.4	3.7	12,468
Kilibwoni Ward	Secondary+	25.1	9.8	31.6	0.9	5.4	21.8	0.2	5.3	6,255
Mosop Constituency	Total	16.3	10.7	41.3	1.3	10.8	14.5	0.3	4.8	49,143
Mosop Constituency	None	20.1	7.4	46.7	3.0	13.7	0.7	2.6	5.8	2,185
Mosop Constituency	Primary	13.7	10.9	44.5	1.2	12.1	12.9	0.3	4.4	31,289
Mosop Constituency	Secondary+	21.1	10.9	34.1	1.1	7.7	19.6	0.1	5.3	15,669
Cheterwai Ward	Total	13.7	11.4	43.0	2.7	12.7	11.7	0.4	4.4	6,907
Cheterwai Ward	None	16.6	5.6	49.8	6.3	15.3	0.7	1.0	4.7	301
Cheterwai Ward	Primary	10.6	11.6	45.3	2.9	14.0	11.0	0.5	4.1	4,648
Cheterwai Ward	Secondary+	20.3	12.0	36.5	1.7	9.1	15.2	0.1	5.1	1,958
Kipkaren Ward	Total	18.4	13.6	32.6	2.0	11.1	16.3	0.4	5.6	6,711
Kipkaren Ward	None	20.7	16.5	35.4	2.4	14.6	0.9	1.5	7.9	328
Kipkaren Ward	Primary	16.0	13.9	34.7	1.9	12.1	15.7	0.4	5.3	4,030
Kipkaren Ward	Secondary+	22.4	12.6	28.6	2.1	8.8	19.6	0.1	5.8	2,353

Kurgung/Surungai Ward	Total	15.8	11.5	50.3	0.6	3.2	13.4	0.3	4.9	6,718
Kurgung/Surungai Ward	None	26.4	8.5	45.5	3.8	6.0	1.3	3.0	5.5	235
Kurgung/Surungai Ward	Primary	13.3	11.9	53.4	0.5	3.4	12.4	0.2	5.0	4,413
Kurgung/Surungai Ward	Secondary+	20.0	11.1	44.2	0.5	2.7	16.8	0.2	4.7	2,070
Kabiyet Ward	Total	19.6	12.9	32.7	0.9	13.1	14.3	0.4	6.1	7,161
Kabiyet Ward	None	21.7	8.8	32.9	2.7	15.9	0.7	4.4	12.9	295
Kabiyet Ward	Primary	16.1	12.9	35.8	0.8	15.2	13.2	0.3	5.7	4,497
Kabiyet Ward	Secondary+	26.0	13.4	26.8	0.8	8.7	18.1	0.1	6.0	2,369
Ndalat Ward	Total	16.0	9.9	42.3	1.0	10.7	15.6	0.2	4.4	6,730
Ndalat Ward	None	25.3	3.7	50.5	2.9	10.6	0.7	3.3	2.9	273
Ndalat Ward	Primary	13.2	10.4	43.6	0.7	12.9	15.6	0.1	3.5	3,910
Ndalat Ward	Secondary+	19.4	9.7	39.4	1.2	7.2	17.0	0.1	6.0	2,547
Kabisanga Ward	Total	19.2	10.3	32.0	0.8	14.7	18.4	0.4	4.2	7,183
Kabisanga Ward	None	29.1	7.5	33.0	1.8	20.7	0.4	4.8	2.6	227
Kabisanga Ward	Primary	18.3	10.8	35.6	0.7	17.3	13.2	0.4	3.8	4,404
Kabisanga Ward	Secondary+	20.1	9.6	25.6	0.7	9.6	29.2	0.2	5.0	2,552
Sangalo/Kebulonik Ward	Total	11.9	6.1	55.1	1.0	9.7	12.1	0.3	3.8	7,733
Sangalo/Kebulonik Ward	None	11.6	3.2	64.1	1.9	12.9	0.4	1.7	4.2	526
Sangalo/Kebulonik Ward	Primary	9.5	5.9	58.9	0.9	10.3	10.6	0.2	3.6	5,387
Sangalo/Kebulonik Ward	Secondary+	19.0	7.7	41.2	0.9	6.9	19.9	0.1	4.3	1,820

Table 32.5: 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
Nandi	Total	19.2	9.1	36.1	1.1	10.0	19.5	.6	4.4	93328
Nandi	None	20.2	7.9	44.9	2.8	16.3	.7	3.1	4.0	7339
Nandi	Primary	18.1	9.1	39.1	.8	10.5	17.9	.5	4.0	55674
Nandi	Secondary+	20.9	9.4	28.4	1.1	7.8	27.0	.3	5.2	30315
Tinderet Constituency	Total	20.7	6.0	42.4	.8	8.5	18.1	.6	2.9	10244
Tinderet Constituency	None	18.0	5.1	52.7	1.6	16.9	.4	2.7	2.7	1079
Tinderet Constituency	Primary	19.5	6.4	44.5	.5	8.4	17.7	.4	2.6	6672
Tinderet Constituency	Secondary+	25.0	5.5	32.3	1.4	5.3	26.7	.1	3.7	2493
Songhor/Soba Ward	Total	13.9	7.8	48.0	.7	9.0	16.9	.6	3.0	3894
Songhor/Soba Ward	None	14.3	5.4	57.2	2.0	16.1	.2	2.7	2.0	442
Songhor/Soba Ward	Primary	12.1	8.1	50.7	.5	8.6	16.8	.5	2.7	2661
Songhor/Soba Ward	Secondary+	20.0	8.1	34.1	.5	6.1	26.7	0.0	4.6	791
Tinderet Ward	Total	20.6	4.4	44.9	1.2	2.3	24.4	.7	1.5	2983
Tinderet Ward	None	19.2	2.9	65.2	1.1	6.5	.4	3.6	1.1	276
Tinderet Ward	Primary	20.0	4.9	46.9	.6	2.0	24.0	.5	1.2	1807
Tinderet Ward	Secondary+	22.2	3.9	34.7	2.7	1.4	32.8	.1	2.2	900
Chemilil/Chemase Ward	Total	14.5	5.6	43.3	.7	20.7	9.9	.4	4.8	1650
Chemilil/Chemase Ward	None	12.1	4.9	38.3	1.0	35.4	0.0	2.9	5.3	206
Chemilil/Chemase Ward	Primary	13.8	6.0	44.8	.5	20.0	10.8	.1	4.0	1089
Chemilil/Chemase Ward	Secondary+	18.0	4.8	41.7	1.1	14.4	13.0	0.0	7.0	355
Kapsimotwo Ward	Total	42.1	5.4	24.2	.6	6.5	17.6	.5	3.2	1717
Kapsimotwo Ward	None	34.2	8.4	36.8	1.9	12.9	1.3	.6	3.9	155
Kapsimotwo Ward	Primary	41.9	5.2	25.5	.4	6.5	16.7	.4	3.3	1115
Kapsimotwo Ward	Secondary+	45.2	4.7	16.6	.7	4.3	25.5	.4	2.7	447
Aldai Constituency	Total	13.9	8.4	43.3	.9	14.5	16.0	.7	2.5	18064
Aldai Constituency	None	14.9	7.3	49.0	2.7	19.9	.5	2.7	3.0	1505
Aldai Constituency	Primary	13.4	8.3	44.8	.6	14.8	15.4	.6	2.0	11011
Aldai Constituency	Secondary+	14.5	8.7	38.5	.8	12.4	21.4	.3	3.3	5548
Kibwareng Ward	Total	11.3	7.8	50.2	.9	9.8	15.5	.9	3.6	3397
Kibwareng Ward	None	15.3	7.8	56.0	3.0	12.7	0.0	3.0	2.2	268
Kibwareng Ward	Primary	10.2	7.5	52.0	.7	10.5	15.0	.8	3.3	2046
Kibwareng Ward	Secondary+	12.5	8.3	45.4	.8	7.8	20.3	.4	4.5	1083
Terik Ward	Total	9.8	13.1	49.2	1.1	7.5	16.9	.9	1.6	2560
Terik Ward	None	11.7	12.2	59.6	2.8	6.6	0.0	2.8	4.2	213
Terik Ward	Primary	8.1	12.4	54.2	.8	6.9	15.6	.8	1.1	1499
Terik Ward	Secondary+	12.4	14.5	37.9	1.1	8.6	23.3	.6	1.7	848
Kemeloi-Maraba Ward	Total	9.9	7.1	45.8	.9	19.1	15.4	.5	1.4	4071

Kemeloi-Maraba Ward	None	10.5	4.8	56.5	2.7	22.1	.5	1.8	1.1	439
Kemeloi-Maraba Ward	Primary	8.9	7.7	45.8	.6	19.6	15.8	.4	1.2	2642
Kemeloi-Maraba Ward	Secondary+	12.3	6.6	41.1	.7	16.6	20.9	0.0	1.8	990
Kobujoi Ward	Total	15.2	6.1	35.2	1.1	22.7	15.6	.7	3.5	3139
Kobujoi Ward	None	13.0	5.9	37.8	2.9	31.9	.3	2.3	5.9	307
Kobujoi Ward	Primary	15.6	5.6	36.6	.7	22.7	15.3	.5	2.8	1873
Kobujoi Ward	Secondary+	14.9	7.2	31.6	1.1	19.7	21.1	.4	4.0	959
Kaptumoi/Kaboi Ward	Total	25.6	10.8	34.1	.7	7.5	17.8	.7	2.7	2706
Kaptumoi/Kaboi Ward	None	30.8	11.4	33.5	2.2	13.0	.5	5.4	3.2	185
Kaptumoi/Kaboi Ward	Primary	27.9	11.3	34.2	.4	7.5	16.2	.4	2.0	1568
Kaptumoi/Kaboi Ward	Secondary+	20.9	9.9	34.0	.7	6.4	23.9	.3	3.9	953
Koyo/Ndurio Ward	Total	13.5	6.2	43.6	.5	18.5	15.0	.5	2.2	2191
Koyo/Ndurio Ward	None	16.1	3.2	37.6	1.1	35.5	3.2	2.2	1.1	93
Koyo/Ndurio Ward	Primary	12.9	6.6	45.6	.4	18.5	14.1	.4	1.5	1383
Koyo/Ndurio Ward	Secondary+	14.4	5.9	40.6	.4	16.4	18.3	.4	3.6	715
Nandi Hills Constituency	Total	32.8	8.1	21.5	.9	11.2	20.8	.5	4.1	11930
Nandi Hills Constituency	None	32.6	7.5	29.7	1.7	23.1	.9	2.5	2.1	1017
Nandi Hills Constituency	Primary	33.9	7.8	22.7	.7	10.8	20.1	.4	3.5	6865
Nandi Hills Constituency	Secondary+	30.9	8.8	17.3	1.1	8.9	27.0	.3	5.6	4048
Nandi Hills Ward	Total	39.5	11.0	16.1	.7	8.8	19.1	.4	4.3	3662
Nandi Hills Ward	None	40.5	10.4	24.9	1.9	16.7	1.5	2.2	1.9	269
Nandi Hills Ward	Primary	41.5	10.9	16.7	.5	9.1	17.0	.2	4.0	2066
Nandi Hills Ward	Secondary+	36.1	11.3	13.3	.9	6.9	26.0	.2	5.3	1327
Chepkunyuk Ward	Total	41.0	6.2	15.6	1.0	11.7	20.3	.8	3.4	3609
Chepkunyuk Ward	None	35.7	4.9	21.7	3.1	26.9	.7	4.2	2.8	286
Chepkunyuk Ward	Primary	42.0	6.5	16.8	.7	11.4	19.4	.5	2.6	2212
Chepkunyuk Ward	Secondary+	40.5	5.9	11.5	1.0	8.3	27.3	.5	5.0	1111
Ollessos Ward	Total	19.0	6.8	26.7	1.1	17.3	23.3	.4	5.3	2845
Ollessos Ward	None	20.7	6.9	29.9	.8	37.5	.8	1.9	1.5	261
Ollessos Ward	Primary	19.8	5.3	28.8	.8	17.0	23.6	.2	4.5	1388
Ollessos Ward	Secondary+	17.7	8.6	23.6	1.4	13.3	27.9	.3	7.1	1196
Kapchorua Ward	Total	24.6	8.3	35.8	.9	5.5	21.2	.4	3.2	1814
Kapchorua Ward	None	33.3	8.0	47.3	.5	7.5	.5	1.0	2.0	201
Kapchorua Ward	Primary	22.4	7.9	36.7	.8	5.6	22.8	.5	3.3	1199
Kapchorua Ward	Secondary+	26.8	9.7	27.8	1.4	4.1	26.8	0.0	3.4	414
Chesumei Constituency	Total	18.8	9.8	35.4	1.0	6.1	22.4	.5	5.9	18592
Chesumei Constituency	None	24.6	7.1	42.5	4.3	10.9	.9	3.6	6.1	1180
Chesumei Constituency	Primary	17.9	9.9	40.6	.8	6.3	18.2	.4	5.9	10410
Chesumei Constituency	Secondary+	19.1	10.1	26.5	.8	4.9	32.3	.2	6.0	7002
Chemundu/Kapng Etunyi Ward	Total	25.7	12.2	20.4	1.0	7.5	26.1	.3	6.8	3554
Chemundu/Kapng Etunyi Ward	None	35.6	6.7	32.2	2.4	13.9	1.9	1.9	5.3	208
Chemundu/Kapng Etunyi Ward	Primary	24.9	12.3	26.5	.5	8.4	20.6	.3	6.5	1673
Chemundu/Kapng Etunyi Ward	Secondary+	25.3	12.9	12.9	1.3	5.7	34.5	.1	7.4	1673
Kosirai Ward	Total	20.3	9.2	29.8	1.0	5.0	28.7	.3	5.7	4045
Kosirai Ward	None	30.9	8.0	40.4	4.3	9.0	.5	2.1	4.8	188
Kosirai Ward	Primary	20.5	10.7	36.2	1.0	6.2	19.4	.3	5.8	2044

Kosirai Ward	Secondary+	19.1	7.6	21.5	.7	3.1	42.1	.1	5.7	1813
Lelmok/Ngechek Ward	Total	19.2	11.6	27.3	.8	8.3	23.1	.6	9.0	3292
Lelmok/Ngechek Ward	None	19.7	8.7	38.8	3.3	11.5	1.6	4.4	12.0	183
Lelmok/Ngechek Ward	Primary	17.0	11.6	31.0	.7	9.0	20.6	.6	9.5	1793
Lelmok/Ngechek Ward	Secondary+	22.2	12.1	20.7	.6	6.8	29.5	.2	7.9	1316
Kaptel/Kamoiywo Ward	Total	15.2	8.2	47.3	.7	4.1	21.5	.8	2.2	3824
Kaptel/Kamoiywo Ward	None	18.4	7.4	54.1	2.5	7.4	1.2	7.0	2.0	244
Kaptel/Kamoiywo Ward	Primary	16.1	8.1	49.4	.6	4.0	19.5	.4	1.7	2347
Kaptel/Kamoiywo Ward	Secondary+	12.7	8.4	41.8	.6	3.6	29.4	.4	3.1	1233
Kiptuiya Ward	Total	13.9	8.1	50.4	1.5	6.1	12.9	.7	6.4	3877
Kiptuiya Ward	None	21.6	5.9	43.4	7.3	12.3	0.0	2.5	7.0	357
Kiptuiya Ward	Primary	13.4	8.0	52.2	1.0	5.2	12.9	.5	6.7	2553
Kiptuiya Ward	Secondary+	12.1	9.2	48.2	.7	6.1	17.7	.4	5.6	967
Emgwen Constituency	Total	20.7	11.1	33.8	1.2	7.4	20.0	.6	5.2	17039
Emgwen Constituency	None	22.0	11.4	45.2	2.2	10.1	1.0	2.5	5.6	1219
Emgwen Constituency	Primary	18.3	11.1	38.1	.9	8.1	18.0	.5	5.1	10029
Emgwen Constituency	Secondary+	24.6	11.0	23.9	1.4	5.7	27.6	.3	5.5	5791
Chepkumia Ward	Total	16.8	9.1	49.4	.9	2.2	19.5	.5	1.8	2504
Chepkumia Ward	None	23.6	4.9	60.9	.9	2.2	.4	3.1	4.0	225
Chepkumia Ward	Primary	15.7	9.5	50.5	.8	2.0	19.7	.3	1.5	1676
Chepkumia Ward	Secondary+	17.4	9.5	41.8	1.2	2.5	26.0	0.0	1.7	603
Kapkangani Ward	Total	15.6	10.7	36.3	1.1	11.2	18.8	.9	5.5	3811
Kapkangani Ward	None	22.4	10.6	41.3	1.7	14.9	.3	4.6	4.3	303
Kapkangani Ward	Primary	13.9	11.5	39.9	1.1	11.8	15.3	.8	5.8	2372
Kapkangani Ward	Secondary+	17.2	9.0	27.3	1.1	8.9	31.3	.2	5.1	1136
Kapsabet Ward	Total	28.1	15.1	22.5	1.9	6.7	18.6	.4	6.8	5048
Kapsabet Ward	None	25.8	20.1	33.7	3.0	6.5	1.1	1.6	8.2	368
Kapsabet Ward	Primary	23.6	15.1	28.5	1.5	7.8	16.2	.3	6.9	2463
Kapsabet Ward	Secondary+	33.4	14.3	14.1	2.1	5.4	24.2	.3	6.3	2217
Kilibwoni Ward	Total	19.3	8.7	35.2	.8	7.9	22.3	.5	5.3	5676
Kilibwoni Ward	None	16.1	6.8	51.1	2.8	15.2	1.9	1.2	5.0	323
Kilibwoni Ward	Primary	18.8	8.7	37.7	.6	8.7	20.2	.5	4.9	3518
Kilibwoni Ward	Secondary+	20.9	8.9	27.7	.8	5.2	30.1	.4	5.9	1835
Mosop Constituency	Total	13.5	9.8	37.9	1.6	12.3	19.5	.7	4.9	17459
Mosop Constituency	None	13.1	8.6	47.6	4.2	17.0	.7	4.2	4.6	1339
Mosop Constituency	Primary	12.0	9.9	39.9	1.3	13.2	18.8	.4	4.3	10687
Mosop Constituency	Secondary+	16.5	9.7	31.6	1.4	9.3	25.3	.2	6.0	5433
Cheterwai Ward	Total	10.8	9.4	40.8	3.7	15.5	14.8	1.0	4.0	2205
Cheterwai Ward	None	14.0	6.4	43.0	5.8	23.3	.6	3.5	3.5	172
Cheterwai Ward	Primary	8.5	9.7	42.5	3.7	16.4	15.1	1.1	2.9	1396
Cheterwai Ward	Secondary+	15.1	9.4	36.6	3.0	11.3	18.1	.2	6.4	637
Kipkaren Ward	Total	13.8	13.4	30.0	2.0	12.6	22.7	.6	4.9	2898
Kipkaren Ward	None	16.2	15.4	38.9	4.3	16.7	1.3	3.0	4.3	234
Kipkaren Ward	Primary	13.8	13.9	30.1	1.3	14.7	21.4	.4	4.4	1656
Kipkaren Ward	Secondary+	13.4	12.0	27.8	2.5	8.3	29.9	.3	5.9	1008
Kurgung/Surungai Ward	Total	12.9	10.8	47.6	1.0	3.8	18.1	.3	5.6	2105
Kurgung/Surungai Ward	None	11.4	10.7	56.4	6.7	3.4	1.3	2.0	8.1	149
Kurgung/Surungai Ward	Primary	10.8	11.0	51.1	.6	3.7	17.5	.2	5.0	1313

Kurgung/Surungai Ward	Secondary+	17.4	10.3	38.3	.6	4.2	23.2	0.0	6.1	643
Kabiyet Ward	Total	15.6	11.9	29.6	.8	14.6	20.1	1.0	6.4	2598
Kabiyet Ward	None	10.5	9.9	33.1	2.9	25.6	1.2	9.9	7.0	172
Kabiyet Ward	Primary	13.8	12.4	31.8	.6	15.7	19.2	.4	6.2	1608
Kabiyet Ward	Secondary+	20.3	11.4	24.6	1.0	10.1	25.9	.1	6.6	818
Ndalat Ward	Total	12.6	9.7	40.0	1.0	11.2	19.8	.6	5.1	2526
Ndalat Ward	None	16.0	9.7	49.7	4.0	13.1	0.0	4.6	2.9	175
Ndalat Ward	Primary	11.7	9.8	41.3	.8	12.0	19.8	.3	4.2	1446
Ndalat Ward	Secondary+	13.5	9.5	36.0	.8	9.6	23.4	.3	6.9	905
Kabisanga Ward	Total	16.3	7.4	29.3	1.1	16.5	24.6	.5	4.3	2650
Kabisanga Ward	None	18.7	4.9	39.0	3.8	26.4	.5	2.7	3.8	182
Kabisanga Ward	Primary	14.3	7.1	31.8	1.1	17.7	24.0	.4	3.6	1618
Kabisanga Ward	Secondary+	19.6	8.5	22.4	.6	12.0	30.9	.4	5.6	850
Sangalo/Kebulonik Ward	Total	11.7	5.5	52.0	1.4	10.5	14.4	.7	3.8	2477
Sangalo/Kebulonik Ward	None	6.3	3.5	67.8	2.7	11.4	.4	3.9	3.9	255
Sangalo/Kebulonik Ward	Primary	10.7	5.8	53.0	1.3	11.0	14.0	.4	3.8	1650
Sangalo/Kebulonik Ward	Secondary+	17.0	5.4	42.3	1.0	8.4	21.9	.2	3.8	572

Table 32.6: 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
Nandi County	0.020	2,820	0.016	0.343
Tinderet Constituency	0.003	1,970	0.0015	0.300
Songhor/Soba	0.001	1,760	0.0005	0.270
Tinderet	0.001	2,100	0.0004	0.299
Chemilil/Chemase	0.000	1,850	0.0002	0.279
Kapsimotwo	0.000	2,310	0.0003	0.338
Aldai Constituency	0.004	2,320	0.0027	0.291
Kibwareng	0.001	2,440	0.0004	0.285
Terik	0.001	2,120	0.0003	0.283
Kemeloi-Maraba	0.001	2,020	0.0006	0.279
Kobujoi	0.001	2,290	0.0005	0.290
Kaptumoi/Kaboi	0.001	2,840	0.0005	0.275
Koyo/Ndurio	0.001	2,380	0.0004	0.287
Nandi Hills Constituency	0.003	2,950	0.0024	0.341
Nandi Hills	0.001	3,630	0.0009	0.368
Chepkunyuk	0.001	2,800	0.0008	0.311
Ollessos	0.001	2,660	0.0004	0.294
Kapchorua	0.000	2,300	0.0003	0.322
Chesumei Constituency	0.003	3,490	0.0034	0.340
Chemundu/Kapng Etunyi	0.001	5,250	0.0010	0.332
Kosirai	0.001	3,710	0.0007	0.327
Lelmok/Ngechek	0.001	3,370	0.0006	0.315

Kaptel/Kamoiywo	0.001	2,710	0.0007	0.279
Kiptuiya	0.001	2,660	0.0005	0.280
Emgwen Constituency	0.003	3,730	0.0037	0.347
Chepkumia	0.001	2,530	0.0004	0.288
Kapkangani	0.001	2,800	0.0005	0.272
Kapsabet	0.001	5,350	0.0014	0.326
Kilibwoni	0.001	3,550	0.0013	0.321
Mosop Constituency	0.004	2,380	0.0024	0.293
Cheterwai	0.001	2,090	0.0003	0.282
Kipkaren	0.001	2,440	0.0004	0.293
Kurgung/Surungai	0.000	2,250	0.0003	0.284
Kabiyet	0.001	2,580	0.0004	0.323
Ndalat	0.000	2,540	0.0004	0.284
Kabisanga	0.000	2,510	0.0004	0.277
Sangalo/Kebulonik	0.001	2,250	0.0004	0.284

Table 32.7: 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
Nandi County	18.7	62.9	18.5	660,074
Tinderet Constituency	20.4	65.9	13.8	87,878
Songhor/Soba	22.5	66.7	10.8	34,656
Tinderet	18.2	64.0	17.8	24,665
Chemilil/Chemase	19.3	68.2	12.5	12,595
Kapsimotwo	19.9	65.1	15.0	15,962
Aldai Constituency	18.2	64.7	17.1	132,399
Kibwareng	16.9	64.6	18.6	20,380
Terik	18.7	64.2	17.0	18,015
Kemeloi-Maraba	20.5	66.9	12.6	31,106
Kobujoi	19.1	63.5	17.4	23,528
Kaptumoi/Kaboi	15.3	63.8	20.9	21,518
Koyo/Ndurio	17.5	64.1	18.4	17,852
Nandi Hills Constituency	19.0	62.1	18.9	94,839
Nandi Hills	17.5	61.5	21.0	29,198
Chepkunyuk	18.3	64.1	17.6	32,667
Ollessos	20.3	56.4	23.3	17,209
Kapchorua	21.8	65.3	12.9	15,765
Chesumei Constituency	17.4	60.4	22.2	114,032
Chemundu/Kapng Etunyi	16.2	54.3	29.5	21,720
Kosirai	15.7	59.2	25.1	22,891
Lelmok/Ngechek	15.8	58.5	25.7	19,775
Kaptel/Kamoiywo	19.5	62.0	18.5	27,875

Kiptuiya	18.8	67.5	13.7	21,771
Emgwen Constituency	17.7	62.6	19.8	113,518
Chepkumia	20.2	65.8	14.0	18,578
Kapkangani	19.3	64.4	16.3	21,158
Kapsabet	16.6	57.4	26.0	31,174
Kilibwoni	16.5	64.1	19.4	42,608
Mosop Constituency	19.9	62.0	18.2	117,408
Cheterwai	19.2	64.7	16.1	16,360
Kipkaren	19.5	60.0	20.5	16,961
Kurgung/Surungai	19.1	63.4	17.5	15,887
Kabiyet	19.7	60.8	19.5	16,862
Ndalat	19.4	59.2	21.4	16,453
Kabisanga	18.0	62.5	19.5	16,310
Sangalo/Kebulonik	23.5	63.3	13.2	18,575

Table 32.8: Education for Male and Female Headed Households by County, Constituency and Ward

County/Constituency/Wards	None	Primary	Secondary+	Total Pop	None	Primary	Secondary+	Total Pop
Kenya	23.5	51.8	24.7	16,819,031	26.8	52.2	21.0	17,205,365
Rural	27.7	54.9	17.4	11,472,394	31.2	54.4	14.4	11,841,868
Urban	14.4	45.2	40.4	5,346,637	17.2	47.2	35.6	5,363,497
Nandi County	17.7	62.4	19.9	329,450	19.6	63.4	17.0	330,624
Tinderet Constituency	19.0	64.9	16.1	44,892	21.8	66.9	11.4	42,986
Songhor/Soba	21.5	65.8	12.7	17,582	23.5	67.7	8.9	17,074
Tinderet	16.6	62.6	20.8	12,627	19.9	65.5	14.6	12,038
Chemilil/Chemase	18.0	67.1	14.9	6,454	20.8	69.3	10.0	6,141
Kapsimotwo	18.2	64.9	16.9	8,229	21.8	65.3	13.0	7,733
Aldai Constituency	17.3	64.3	18.4	65,375	19.1	65.1	15.9	67,024
Kibwareng	16.0	65.0	19.0	9,933	17.7	64.1	18.1	10,447
Terik	18.1	63.7	18.2	8,838	19.3	64.8	15.9	9,177
Kemeloi-Maraba	19.6	66.6	13.8	15,126	21.2	67.2	11.5	15,980
Kobujoi	17.9	63.1	19.1	11,630	20.3	64.0	15.7	11,898
Kaptumoi/Kaboi	14.5	63.0	22.5	10,837	16.1	64.6	19.3	10,681
Koyo/Ndurio	16.6	63.6	19.8	9,011	18.4	64.6	17.0	8,841
Nandi Hills Constituency	17.8	61.3	20.9	48,461	20.3	62.9	16.8	46,378

Nandi Hills	16.4	60.3	23.3	14,846	18.7	62.7	18.6	14,352
Chepkunyak	17.0	63.2	19.8	16,951	19.8	65.0	15.2	15,716
Ollessos	19.2	56.6	24.3	8,649	21.5	56.3	22.3	8,560
Kapchorua	20.5	64.4	15.2	8,015	23.2	66.2	10.6	7,750
Chesumei Constituency	16.7	60.1	23.2	56,298	18.0	60.7	21.3	57,734
Chemundu/Kapng Etunyi	15.6	54.0	30.4	10,824	16.9	54.6	28.5	10,896
Kosirai	15.3	59.8	24.9	11,242	16.2	58.6	25.2	11,649
Lelmok/Ngechek	15.2	58.5	26.3	9,737	16.4	58.5	25.0	10,038
Kaptel/Kamoiywo	18.3	60.9	20.9	14,149	20.9	63.1	16.0	13,726
Kiptuiya	18.7	67.4	14.0	10,346	18.9	67.7	13.4	11,425
Emgwen Constituency	16.8	62.3	20.9	56,015	18.5	62.9	18.6	57,503
Chepkumia	19.2	65.2	15.7	9,085	21.2	66.4	12.5	9,493
Kapkangani	18.7	64.2	17.1	10,093	19.8	64.6	15.6	11,065
Kapsabet	16.1	57.2	26.7	15,614	17.0	57.6	25.4	15,560
Kilibwoni	15.3	64.0	20.7	21,223	17.7	64.2	18.1	21,385
Mosop Constituency	19.1	61.3	19.6	58,409	20.6	62.6	16.8	58,999
Cheterwai	18.1	64.3	17.6	8,104	20.2	65.2	14.6	8,256
Kipkaren	18.8	59.3	22.0	8,497	20.2	60.7	19.1	8,464
Kurgung/Surungai	18.5	62.6	18.9	7,862	19.6	64.2	16.2	8,025
Kabiyet	19.0	60.3	20.8	8,369	20.5	61.2	18.3	8,493
Ndalat	18.5	58.2	23.2	8,165	20.3	60.1	19.6	8,288
Kabisanga	17.3	61.8	20.9	8,131	18.7	63.1	18.1	8,179
Sangalo/Kebulonik	22.9	62.8	14.4	9,281	24.2	63.8	12.0	9,294

Table 32.9: Cooking Fuel by County, Constituency and Wards

County/Constituency/ Wards	Electricity	Paraffin	LPG	Biogas	Firewood	Charcoal	Solar	Other	Households
Kenya	0.8	11.7	5.1	0.7	64.4	17.0	0.1	0.3	8,493,380
Rural	0.2	1.4	0.6	0.3	90.3	7.1	0.1	0.1	5,239,879

Urban	1.8	28.3	12.3	1.4	22.7	32.8	0.0	0.6	3,253,501
Nandi County	0.2	1.1	0.7	0.3	89.1	8.4	0.0	0.1	150,495
Tinderet Constituency	0.3	0.6	0.3	0.3	94.1	4.3	0.0	0.1	19,091
Songhor/Soba	0.1	0.6	0.1	0.2	95.0	3.9	-	0.1	7,365
Tinderet	0.7	0.4	0.3	0.2	94.4	3.8	0.1	0.1	5,112
Chemilil/Chemase	0.1	1.3	0.1	0.5	91.2	6.4	0.1	0.3	2,962
Kapsimotwo	0.4	0.4	0.7	0.2	94.1	4.2	0.0	-	3,652
Aldai Constituency	0.0	0.5	0.3	0.3	94.4	4.4	0.0	0.0	28,784
Kibwareng	0.0	0.3	0.2	0.2	94.7	4.4	0.0	0.1	4,283
Terik	0.0	0.6	0.1	0.5	95.8	2.9	-	-	4,064
Kemeloi-Maraba	-	0.2	0.0	0.2	97.2	2.3	0.0	-	6,521
Kobujoi	-	0.9	0.7	0.1	93.8	4.5	-	0.0	4,959
Kaptumoi/Kaboi	0.1	0.7	0.4	0.3	89.6	8.7	0.0	0.2	5,204
Koyo/Ndurio	0.1	0.3	0.2	0.4	95.2	3.8	0.0	-	3,753
Nandi Hills Constituency	0.3	1.7	1.0	0.3	87.3	9.4	0.0	0.1	24,015
Nandi Hills	0.3	3.3	1.7	0.4	76.3	17.7	0.1	0.1	8,128
Chepkunyuk	0.2	0.9	0.6	0.2	92.9	5.1	-	0.1	8,261
Ollessos	0.3	1.2	0.5	0.2	90.1	7.7	0.0	0.0	3,918
Kapchorua	0.6	0.4	0.4	0.3	95.7	2.5	0.1	0.1	3,708
Chesumei Constituency	0.3	1.4	1.2	0.6	84.1	12.2	0.0	0.2	26,009
Chemundu/Kapng Etunyi	0.8	4.4	3.7	2.1	57.8	30.8	0.0	0.4	5,814
Kosirai	0.1	0.4	0.5	0.3	93.2	5.4	0.0	0.0	4,691
Lelmok/Ngechek	0.3	1.4	0.9	0.3	82.1	14.7	-	0.3	4,584
Kaptel/Kamoiywo	0.1	0.3	0.4	0.2	96.5	2.6	0.0	0.1	5,910
Kiptuiya	0.0	0.4	0.1	0.1	93.2	6.0	-	0.2	5,010
Emgwen Constituency	0.4	1.4	1.2	0.3	81.5	14.9	0.0	0.2	26,879
Chepkumia	0.0	0.3	0.4	0.2	94.5	4.4	0.0	0.0	4,237
Kapkangani	0.2	1.0	0.4	0.4	89.4	8.6	0.0	0.0	5,063
Kapsabet	1.2	3.4	3.1	0.5	55.9	35.6	-	0.4	8,268
Kilibwoni	0.1	0.4	0.3	0.2	94.1	4.7	0.1	0.1	9,311
Mosop Constituency	0.0	0.9	0.2	0.2	94.2	4.4	0.0	0.1	25,717

Cheterwai	0.0	0.1	0.1	0.2	96.1	3.5	-	0.0	3,627
Kipkaren	-	1.3	0.3	0.2	92.1	6.0	0.1	0.1	3,583
Kurgung/Surungai	0.0	2.6	0.1	0.3	94.4	2.5	0.0	-	3,381
Kabiyet	0.1	1.6	0.3	0.2	88.8	8.8	0.1	0.2	3,872
Ndalat	0.1	0.3	0.1	0.3	95.2	3.9	-	0.1	3,589
Kabisanga	0.1	0.4	0.2	0.3	94.5	4.5	0.1	0.0	3,641
Sangalo/Kebulonik	-	0.1	0.2	0.2	98.2	1.3	0.0	-	4,024

Table 32.10: 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
Nandi County	0.3	1.2	0.7	0.3	89.3	8.1	0.0	0.1	108,390
Tinderet Constituency	0.4	0.7	0.3	0.3	94.1	4.1	0.0	0.1	14,586
Songhor/Soba	0.1	0.5	0.1	0.3	95.2	3.6	0.0	0.1	5,638
Tinderet	0.9	0.5	0.4	0.2	94.4	3.5	0.1	0.1	3,823
Chemilil/Chemase	0.0	1.4	0.1	0.6	90.8	6.6	0.1	0.4	2,225
Kapsimotwo	0.4	0.4	0.8	0.2	94.2	3.9	0.0	0.0	2,900
Aldai Constituency	0.0	0.5	0.3	0.2	94.6	4.3	0.0	0.0	20,571
Kibwareng	0.0	0.4	0.2	0.2	94.3	4.7	0.1	0.1	2,795
Terik	0.1	0.5	0.1	0.1	96.1	3.1	0.0	0.0	2,780
Kemeloi-Maraba	0.0	0.2	0.0	0.3	97.2	2.2	0.0	0.0	4,591
Kobujoi	0.0	1.0	0.6	0.1	94.2	4.1	0.0	0.0	3,576
Kaptumoi/Kaboi	0.0	0.6	0.4	0.3	90.4	8.0	0.0	0.2	4,006
Koyo/Ndurio	0.1	0.4	0.2	0.4	95.5	3.5	0.0	0.0	2,823
Nandi Hills Constituency	0.3	1.7	0.9	0.2	87.8	8.8	0.0	0.1	18,334
Nandi Hills	0.3	3.4	1.6	0.4	77.3	16.7	0.1	0.1	6,288
Chepkunyuk	0.2	0.9	0.6	0.1	93.4	4.8	0.0	0.1	6,477
Ollessos	0.4	1.3	0.5	0.1	90.3	7.3	0.0	0.0	2,734
Kapchorua	0.6	0.4	0.4	0.2	96.0	2.3	0.0	0.0	2,835
Chesumei Constituency	0.3	1.6	1.1	0.6	84.2	11.9	0.0	0.2	18,003
Chemundu/Kapng Etunyi	0.9	4.7	3.5	1.9	58.2	30.3	0.0	0.4	4,097
Kosirai	0.0	0.4	0.6	0.3	93.3	5.3	0.0	0.0	3,325
Lelmok/Ngechek	0.3	1.6	0.8	0.4	82.9	13.7	0.0	0.3	3,170
Kaptel/Kamoiywo	0.1	0.4	0.4	0.2	96.4	2.5	0.0	0.1	4,326
Kiptuiya	0.0	0.5	0.1	0.1	93.0	6.1	0.0	0.3	3,085
Emgwen Constituency	0.5	1.6	1.2	0.3	81.0	15.1	0.0	0.2	18,962
Chepkumia	0.0	0.4	0.5	0.3	94.0	4.8	0.0	0.1	3,050
Kapkangani	0.3	1.4	0.5	0.5	88.1	9.2	0.0	0.1	3,170

Kapsabet	1.2	3.8	3.1	0.5	55.1	35.9	0.0	0.4	5,913
Kilibwoni	0.1	0.4	0.3	0.2	94.3	4.5	0.0	0.1	6,829
Mosop Constituency	0.0	1.0	0.2	0.3	94.5	4.0	0.0	0.1	17,934
Cheterwai	0.0	0.2	0.1	0.1	96.2	3.4	0.0	0.0	2,577
Kipkaren	0.0	1.5	0.4	0.3	91.6	6.2	0.0	0.1	2,393
Kurgung/Surungai	0.0	2.3	0.2	0.4	95.3	1.8	0.0	0.0	2,424
Kabiyet	0.1	1.9	0.3	0.3	89.3	7.9	0.1	0.2	2,691
Ndalat	0.1	0.3	0.1	0.3	95.2	3.9	0.0	0.1	2,469
Kabisanga	0.0	0.5	0.2	0.4	95.1	3.8	0.0	0.0	2,512
Sangalo/Kebulonik	0.0	0.1	0.2	0.2	98.3	1.1	0.0	0.0	2,868

Table 32.11: 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
Nandi County	0.2	0.8	0.7	0.4	88.7	9.1	0.0	0.1	42,105
Tinderet Constituency	0.1	0.5	0.2	0.2	93.9	5.0	0.0	0.0	4,505
Songhor/Soba	-	0.8	0.2	0.1	94.2	4.7	-	-	1,727
Tinderet	0.4	0.2	0.2	0.2	94.6	4.5	-	-	1,289
Chemilil/Chemase	0.1	0.9	-	0.3	92.5	5.8	0.1	0.1	737
Kapsimotwo	-	0.1	0.5	0.3	93.5	5.6	-	-	752
Aldai Constituency	0.0	0.5	0.3	0.4	94.0	4.8	0.0	0.0	8,213
Kibwareng	0.1	0.2	0.1	0.1	95.5	3.9	-	0.1	1,488
Terik	-	0.9	0.2	1.2	95.2	2.4	-	-	1,284
Kemeloi-Maraba	-	0.1	0.1	0.2	97.3	2.4	-	-	1,930
Kobujoi	-	0.8	0.7	0.1	92.8	5.5	-	0.1	1,383
Kaptumoi/Kaboi	0.1	0.9	0.4	0.4	86.6	11.4	0.1	0.1	1,198
Koyo/Ndurio	0.1	0.2	0.1	0.3	94.2	4.9	0.1	-	930
Nandi Hills Constituency	0.2	1.5	1.1	0.4	85.5	11.2	0.0	0.1	5,681
Nandi Hills	0.3	3.0	2.1	0.4	72.9	21.1	-	0.1	1,840
Chepkunyuk	0.2	0.8	1.0	0.3	91.3	6.5	-	-	1,784

Ollessos	-	0.9	0.5	0.5	89.6	8.4	-	-	1,184
Kapchorua	0.3	0.2	0.3	0.6	94.7	3.4	0.1	0.2	873
Chesumei Constituency	0.2	1.1	1.3	0.7	83.8	12.8	0.0	0.1	8,006
Chemundu/Kapng Etunyi	0.6	3.5	4.4	2.6	56.8	32.0	-	0.2	1,717
Kosirai	0.3	0.4	0.4	0.1	92.9	5.6	0.1	0.1	1,366
Lelmok/Ngechek	0.1	0.9	1.1	0.2	80.5	16.9	-	0.3	1,414
Kaptel/Kamoiywo	-	-	0.3	0.2	96.7	2.8	-	-	1,584
Kiptuiya	0.1	0.4	0.1	0.3	93.4	5.8	-	0.1	1,925
Emgwen Constituency	0.4	0.9	1.1	0.3	82.8	14.4	0.1	0.1	7,917
Chepkumia	0.1	-	0.2	0.2	95.9	3.6	0.1	-	1,187
Kapkangani	-	0.3	0.2	0.3	91.5	7.7	-	-	1,893
Kapsabet	1.1	2.2	3.1	0.4	57.8	35.0	-	0.3	2,355
Kilibwoni	0.1	0.4	0.3	0.2	93.6	5.2	0.1	-	2,482
Mosop Constituency	0.0	0.7	0.2	0.2	93.6	5.2	0.1	0.0	7,783
Cheterwai	-	-	-	0.4	95.9	3.7	-	-	1,050
Kipkaren	-	0.7	0.2	-	93.2	5.7	0.2	0.1	1,190
Kurgung/Surungai	-	3.3	0.1	0.2	92.2	4.2	-	-	957
Kabiyet	-	0.8	0.5	0.1	87.6	10.9	-	-	1,181
Ndalat	0.1	0.2	0.2	0.4	95.4	3.8	-	-	1,120
Kabisanga	0.2	0.1	0.3	0.2	93.2	6.0	0.1	-	1,129
Sangalo/Kebulonik	-	-	0.3	0.1	97.8	1.8	0.1	-	1,156

Table 32.12: 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
Nandi County	6.2	0.3	42.2	49.1	0.5	0.2	1.3	0.2	108,390
Tinderet Constituency	2.4	0.2	30.7	64.5	0.3	0.3	1.4	0.1	14,586
Songhor/Soba	1.6	0.1	28.1	68.3	0.3	0.4	1.0	0.1	5,638
Tinderet	3.5	0.2	38.8	55.3	0.3	0.4	1.4	0.0	3,823
Chemilil/Chemase	1.7	0.1	23.9	70.9	0.3	0.1	2.8	0.1	2,225

Kapsimotwo	3.1	0.2	30.3	64.5	0.5	0.1	1.1	0.1	2,900
Aldai Constituency	3.1	0.3	36.5	58.1	0.5	0.2	1.1	0.2	20,571
Kibwareng	2.2	0.5	38.9	55.8	0.4	0.2	1.7	0.3	2,795
Terik	2.9	0.2	21.5	73.9	0.8	0.0	0.7	0.1	2,780
Kemeloi-Maraba	0.5	0.2	28.5	69.1	0.4	0.3	0.9	0.1	4,591
Kobujoi	3.4	0.2	39.8	54.8	0.4	0.1	1.1	0.1	3,576
Kaptumoi/Kaboi	6.3	0.2	48.2	43.0	0.5	0.1	1.3	0.4	4,006
Koyo/Ndurio	4.3	0.7	43.4	49.7	0.9	0.2	0.8	0.0	2,823
Nandi Hills Constituency	7.4	0.4	33.1	57.3	0.5	0.1	1.0	0.1	18,334
Nandi Hills	10.1	0.5	31.5	56.0	0.6	0.1	1.0	0.2	6,288
Chepkunyuk	3.9	0.3	32.8	61.8	0.5	0.1	0.6	0.0	6,477
Ollessos	13.9	0.3	42.0	41.3	0.6	0.2	1.5	0.3	2,734
Kapchorua	2.8	0.3	27.8	67.2	0.4	0.2	1.3	0.1	2,835
Chesumei Constituency	10.5	0.3	49.0	37.9	0.5	0.1	1.3	0.3	18,003
Chemundu/Kapng Etunyi	24.4	0.4	43.7	29.5	0.7	0.1	0.7	0.6	4,097
Kosirai	12.3	0.4	50.2	34.8	0.5	0.4	1.2	0.2	3,325
Lelmok/Ngechek	10.6	0.4	57.1	29.1	0.5	0.0	1.8	0.5	3,170
Kaptel/Kamoiwo	3.4	0.3	57.9	35.8	0.3	0.1	2.1	0.1	4,326
Kiptuiya	1.1	0.3	36.1	61.1	0.6	0.1	0.6	0.1	3,085
Emgwen Constituency	10.4	0.5	42.6	44.2	0.5	0.4	1.3	0.2	18,962
Chepkumia	1.1	0.7	34.1	62.1	0.7	0.2	1.0	0.0	3,050
Kapkangani	3.7	0.6	41.3	51.4	0.8	0.7	1.4	0.2	3,170
Kapsabet	24.9	0.7	42.9	29.5	0.2	0.4	1.0	0.3	5,913
Kilibwoni	5.3	0.1	47.0	45.2	0.4	0.3	1.6	0.1	6,829
Mosop Constituency	2.7	0.3	58.0	36.5	0.7	0.2	1.5	0.1	17,934
Cheterwai	2.0	0.2	50.3	45.6	0.5	0.2	1.1	0.1	2,577
Kipkaren	0.5	0.5	68.0	28.4	0.6	0.1	1.7	0.3	2,393
Kurgung/Surungai	2.5	0.2	59.0	36.2	0.5	0.2	1.3	0.1	2,424
Kabiyet	6.1	0.2	59.0	31.9	1.1	0.3	1.3	0.1	2,691
Ndalat	4.9	0.2	64.1	28.0	0.8	0.1	1.8	0.2	2,469
Kabisanga	2.8	0.3	62.1	31.8	0.4	0.2	2.3	0.2	2,512
Sangalo/Kebulonik	0.3	0.2	45.2	52.2	0.8	0.2	1.0	0.0	2,868

Table 32.13: 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
Nandi County	6.2	0.3	42.2	49.0	0.5	0.2	1.4	0.2	108,390
Tinderet Constituency	2.4	0.2	31.4	63.7	0.3	0.3	1.6	0.1	14,586
Songhor/Soba	1.6	0.1	28.8	67.4	0.3	0.4	1.2	0.1	5,638
Tinderet	3.4	0.2	40.1	54.1	0.3	0.4	1.5	0.1	3,823
Chemilil/Chemase	1.5	0.1	24.7	69.9	0.4	0.0	3.2	0.1	2,225
Kapsimotwo	3.1	0.2	30.0	64.7	0.5	0.1	1.2	0.1	2,900

Aldai Constituency	3.0	0.3	36.9	57.8	0.6	0.1	1.2	0.2	20,571
Kibwareng	2.4	0.6	39.0	55.0	0.5	0.3	2.1	0.3	2,795
Terik	2.6	0.3	21.6	73.9	0.8	0.0	0.8	0.1	2,780
Kemeloi-Maraba	0.5	0.2	27.2	70.4	0.4	0.3	1.0	0.1	4,591
Kobujoi	3.1	0.3	40.5	54.6	0.4	0.1	0.9	0.1	3,576
Kaptumoi/Kaboi	5.8	0.2	48.2	43.4	0.5	0.1	1.4	0.4	4,006
Koyo/Ndurio	4.1	0.7	44.8	48.6	0.9	0.1	0.8	0.0	2,823
Nandi Hills Constituency	7.1	0.3	32.8	57.8	0.6	0.1	1.1	0.1	18,334
Nandi Hills	9.7	0.5	31.2	56.6	0.6	0.1	1.1	0.2	6,288
Chepkunyuk	3.7	0.3	32.5	62.2	0.5	0.1	0.6	0.0	6,477
Ollessos	13.9	0.2	41.4	41.8	0.8	0.1	1.5	0.3	2,734
Kapchorua	2.8	0.2	28.8	65.7	0.5	0.2	1.7	0.1	2,835
Chesumei Constituency	10.7	0.3	49.5	37.0	0.5	0.1	1.4	0.4	18,003
Chemundu/Kapng Etunyi	24.3	0.4	43.1	29.9	0.7	0.1	0.9	0.7	4,097
Kosirai	12.2	0.3	50.8	34.4	0.4	0.4	1.3	0.3	3,325
Lelmok/Ngechek	11.0	0.5	57.5	28.0	0.5	0.1	1.9	0.6	3,170
Kaptel/Kamoiywo	3.4	0.3	58.6	34.9	0.3	0.1	2.2	0.0	4,326
Kiptuiya	1.3	0.3	35.4	61.7	0.6	0.1	0.6	0.1	3,085
Emgwen Constituency	10.5	0.5	42.5	44.0	0.5	0.4	1.4	0.2	18,962
Chepkumia	1.3	0.9	34.2	61.5	0.6	0.3	1.1	0.0	3,050
Kapkangani	4.4	0.5	39.2	52.6	0.9	0.7	1.5	0.3	3,170
Kapsabet	24.6	0.8	42.2	30.2	0.3	0.4	1.1	0.4	5,913
Kilibwoni	5.2	0.1	48.0	44.1	0.4	0.3	1.9	0.1	6,829
Mosop Constituency	2.7	0.3	58.8	35.4	0.7	0.2	1.8	0.1	17,934
Cheterwai	2.1	0.2	52.0	43.4	0.6	0.3	1.4	0.0	2,577
Kipkaren	0.3	0.5	68.2	28.0	0.5	0.1	2.0	0.4	2,393
Kurgung/Surungai	2.2	0.2	60.4	34.7	0.5	0.2	1.6	0.1	2,424
Kabiyet	6.5	0.1	59.2	30.8	1.1	0.4	1.7	0.1	2,691
Ndalat	4.7	0.1	64.9	27.1	0.8	0.1	2.0	0.2	2,469
Kabisanga	2.6	0.3	64.2	29.3	0.5	0.2	2.7	0.2	2,512
Sangalo/Kebulonik	0.4	0.3	45.5	51.5	0.9	0.2	1.2	0.1	2,868

Table 32.14: 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
Nandi County	6.4	0.3	42.2	49.4	0.5	0.2	0.9	0.1	42,105
Tinderet Constituency	2.7	0.1	28.7	67.1	0.3	0.3	0.8	0.0	4,505
Songhor/Soba	1.8	0.1	25.7	71.4	0.2	0.3	0.4	0.1	1,727

Tinderet	3.9	-	35.0	59.1	0.4	0.5	1.2	-	1,289
Chemilil/Chemase	2.4	0.1	21.6	74.1	0.1	0.1	1.5	-	737
Kapsimotwo	3.2	0.1	31.5	64.1	0.4	-	0.5	0.1	752
Aldai Constituency	3.4	0.3	35.7	58.9	0.5	0.2	0.9	0.2	8,213
Kibwareng	1.7	0.3	38.6	57.5	0.3	0.1	1.0	0.3	1,488
Terik	3.4	0.2	21.2	73.8	0.8	-	0.4	0.2	1,284
Kemeloi-Maraba	0.5	0.2	31.6	66.2	0.5	0.3	0.8	0.1	1,930
Kobujoi	4.3	0.1	37.9	55.3	0.4	0.2	1.4	0.2	1,383
Kaptumoi/Kaboi	7.8	0.4	48.5	41.6	0.3	0.1	0.9	0.3	1,198
Koyo/Ndurio	4.8	0.8	39.4	53.0	1.0	0.3	0.8	-	930
Nandi Hills Constituency	8.4	0.4	34.0	55.9	0.4	0.2	0.6	0.1	5,681
Nandi Hills	11.4	0.4	32.8	54.0	0.7	0.1	0.5	0.1	1,840
Chepkunyuk	4.4	0.4	33.9	60.6	0.4	0.1	0.3	-	1,784
Ollessos	13.9	0.4	43.2	40.3	0.2	0.3	1.4	0.3	1,184
Kapchorua	2.6	0.5	24.5	71.7	0.1	0.3	0.2	-	873
Chesumei Constituency	10.1	0.3	47.9	39.7	0.5	0.1	1.1	0.2	8,006
Chemundu/Kapng Etunyi	24.8	0.3	45.0	28.5	0.5	0.1	0.5	0.4	1,717
Kosirai	12.8	0.7	48.7	35.7	0.7	0.4	1.0	-	1,366
Lelmok/Ngechek	9.8	0.1	56.3	31.3	0.4	-	1.6	0.5	1,414
Kaptel/Kamoiywo	3.3	0.3	56.0	38.1	0.3	-	2.0	0.1	1,584
Kiptuiya	0.9	0.3	37.2	60.2	0.6	0.2	0.6	0.1	1,925
Emgwen Constituency	10.0	0.4	42.9	44.8	0.5	0.3	0.9	0.1	7,917
Chepkumia	0.6	0.3	33.6	63.7	0.9	-	0.8	0.1	1,187
Kapkangani	2.6	0.7	44.8	49.5	0.5	0.7	1.2	0.1	1,893
Kapsabet	25.6	0.6	44.7	27.8	0.1	0.3	0.7	0.2	2,355
Kilibwoni	5.5	0.2	44.2	48.3	0.5	0.2	1.0	0.0	2,482
Mosop Constituency	2.8	0.3	56.1	39.1	0.6	0.1	0.9	0.1	7,783
Cheterwai	1.9	0.3	46.0	50.9	0.4	-	0.5	0.1	1,050
Kipkaren	0.8	0.6	67.4	29.2	0.7	0.2	1.3	-	1,190
Kurgung/Surungai	3.1	0.1	55.4	40.0	0.6	0.3	0.4	-	957
Kabiyet	5.3	0.3	58.6	34.2	1.0	0.1	0.4	0.1	1,181

Ndalat	5.3	0.3	62.1	29.9	0.7	0.1	1.4	0.2	1,120
Kabisanga	3.3	0.3	57.4	37.4	0.2	-	1.4	0.1	1,129
Sangalo/Kebulonik	0.2	-	44.6	53.8	0.7	0.1	0.7	-	1,156

Table 32.15: 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
Nandi County	29.6	0.4	0.5	68.7	0.9	150,495
Tinderet Constituency	23.7	0.1	0.6	74.7	0.9	19,091
Songhor/Soba	11.4	0.2	0.7	87.3	0.4	7,365
Tinderet	26.0	0.1	0.8	73.0	0.1	5,112
Chemilil/Chemase	19.6	0.1	0.2	80.0	0.1	2,962
Kapsimotwo	48.5	0.1	0.4	47.4	3.6	3,652
Aldai Constituency	19.7	0.2	0.3	79.2	0.5	28,784
Kibwareng	21.4	0.3	0.5	77.6	0.3	4,283
Terik	15.6	0.1	0.4	83.7	0.1	4,064
Kemeloi-Maraba	11.9	0.1	0.3	87.6	0.2	6,521
Kobujoi	18.8	0.3	0.4	79.0	1.5	4,959
Kaptumoi/Kaboi	32.4	0.4	0.4	66.7	0.1	5,204
Koyo/Ndurio	19.3	0.2	0.2	79.3	1.1	3,753
Nandi Hills Constituency	45.6	0.4	0.6	51.0	2.4	24,015
Nandi Hills	53.4	0.6	0.3	44.4	1.3	8,128
Chepkunyuk	47.8	0.1	0.5	48.7	2.9	8,261
Ollessos	36.5	0.7	1.2	60.0	1.6	3,918
Kapchorua	32.9	0.3	1.0	61.2	4.6	3,708
Chesumei Constituency	35.1	0.9	0.4	63.2	0.4	26,009
Chemundu/Kapng Etunyi	52.6	2.8	0.5	42.6	1.5	5,814
Kosirai	36.2	0.8	0.3	62.5	0.1	4,691
Lelmok/Ngechek	44.8	0.5	0.1	54.5	0.1	4,584
Kaptel/Kamoiywo	25.5	0.3	0.3	73.9	0.1	5,910
Kiptuiya	16.0	0.1	0.6	83.2	0.0	5,010
Emgwen Constituency	33.1	0.5	0.5	65.2	0.8	26,879
Chepkumia	20.1	0.3	0.5	79.0	0.1	4,237
Kapkangani	19.8	0.3	0.3	78.6	1.1	5,063
Kapsabet	51.5	0.9	0.7	45.1	1.7	8,268
Kilibwoni	29.8	0.3	0.3	69.4	0.2	9,311
Mosop Constituency	20.7	0.2	0.4	78.1	0.6	25,717
Cheterwai	13.0	0.1	0.2	86.3	0.4	3,627
Kipkaren	25.8	0.3	0.5	73.3	0.1	3,583

Kurgung/Surungai	15.4	0.1	0.7	83.7	0.1	3,381
Kabiyet	25.4	0.1	0.5	73.8	0.3	3,872
Ndalat	25.2	0.4	0.3	74.0	0.1	3,589
Kabisanga	25.8	0.1	0.1	73.8	0.1	3,641
Sangalo/Kebulonik	14.6	0.2	0.5	82.1	2.6	4,024

Table 32.16: Main Material of the Floor in Male and Female Headed Households by County, Constituency and Ward

County/Constituency/ wards	Cement	Tiles	Wood	Earth	Other	Households	Cement	Tiles	Wood	Earth	Other	Households
Kenya	42.8	1.6	0.8	54.2	0.6	5,762,320	37.7	1.4	0.7	59.8	0.5	2,731,060
Rural	22.1	0.3	0.7	76.4	0.4	3,413,616	22.2	0.3	0.6	76.6	0.3	1,826,263
Urban	72.9	3.5	0.9	21.9	0.8	2,348,704	69.0	3.6	0.9	25.8	0.8	904,797
Nandi County	29.4	0.4	0.5	68.8	1.0	108,390	29.9	0.4	0.5	68.5	0.8	42,105
Tinderet Constituency	23.9	0.1	0.6	74.4	0.9	14,586	23.1	0.1	0.5	75.6	0.7	4,505
Songhor/Soba	10.8	0.2	0.7	87.9	0.4	5,638	13.5	0.2	0.5	85.4	0.4	1,727
Tinderet	26.6	0.1	0.8	72.4	0.1	3,823	24.3	-	0.6	74.9	0.2	1,289
Chemilil/Chemase	19.7	0.0	0.2	80.0	0.1	2,225	19.1	0.3	0.3	80.3	-	737
Kapsimotwo	48.9	0.1	0.5	46.8	3.7	2,900	46.8	0.1	0.3	49.6	3.2	752
Aldai Constituency	19.2	0.2	0.3	79.8	0.5	20,571	21.0	0.3	0.4	77.7	0.6	8,213
Kibwareng	21.1	0.3	0.4	77.9	0.3	2,795	21.8	0.4	0.5	76.9	0.3	1,488
Terik	14.8	0.1	0.4	84.5	0.1	2,780	17.4	0.2	0.3	81.9	0.2	1,284
Kemeloi-Maraba	11.1	0.1	0.2	88.5	0.2	4,591	13.7	0.1	0.4	85.6	0.2	1,930
Kobujoi	18.2	0.2	0.3	79.8	1.4	3,576	20.3	0.4	0.4	77.0	1.9	1,383
Kaptumoi/Kaboi	31.4	0.3	0.4	67.7	0.1	4,006	35.7	0.5	0.5	63.2	0.1	1,198
Koyo/Ndurio	18.4	0.2	0.1	80.2	1.1	2,823	21.9	0.2	0.3	76.3	1.2	930
Nandi Hills Constituency	46.0	0.4	0.6	50.4	2.6	18,334	44.1	0.4	0.6	53.0	1.9	5,681
Nandi Hills	53.1	0.6	0.3	44.7	1.4	6,288	54.6	0.5	0.3	43.5	1.0	1,840
Chepkunyuk	49.0	0.1	0.5	47.3	3.0	6,477	43.6	0.1	0.4	53.5	2.4	1,784
Ollessos	35.7	0.8	1.1	60.7	1.7	2,734	38.6	0.5	1.5	58.2	1.2	1,184
Kapchorua	33.6	0.2	1.2	60.0	4.9	2,835	30.5	0.5	0.5	64.9	3.7	873
Chesumei Constituency	34.7	1.0	0.4	63.5	0.4	18,003	36.0	0.8	0.4	62.5	0.3	8,006
Chemundu/Kapng Etunyi	51.6	3.0	0.6	43.2	1.7	4,097	54.9	2.3	0.3	41.2	1.2	1,717

Kosirai	35.2	0.7	0.4	63.6	0.2	3,325	38.8	1.0	0.1	60.0	0.1	1,366
Lelmok/Ngechek	43.5	0.5	-	55.9	0.1	3,170	47.8	0.4	0.4	51.4	-	1,414
Kaptel/Kamoiywo	25.0	0.3	0.3	74.3	0.1	4,326	26.9	0.1	0.3	72.7	-	1,584
Kiptuiya	16.0	0.2	0.5	83.3	-	3,085	16.1	0.1	0.7	83.0	0.1	1,925
Emgwen Constituency	32.7	0.5	0.5	65.4	0.8	18,962	33.8	0.4	0.4	64.6	0.8	7,917
Chepkumia	20.6	0.3	0.6	78.5	0.0	3,050	18.7	0.2	0.3	80.5	0.4	1,187
Kapkangani	19.5	0.2	0.2	78.7	1.4	3,170	20.2	0.3	0.4	78.3	0.7	1,893
Kapsabet	50.1	1.0	0.8	46.5	1.7	5,913	55.2	0.7	0.7	41.7	1.7	2,355
Kilibwoni	29.3	0.4	0.4	69.8	0.2	6,829	31.1	0.2	0.3	68.2	0.2	2,482
Mosop Constituency	19.9	0.2	0.4	79.1	0.5	17,934	22.8	0.3	0.4	76.0	0.6	7,783
Cheterwai	12.7	0.0	0.2	86.8	0.2	2,577	13.5	0.2	0.3	85.2	0.8	1,050
Kipkaren	24.9	0.3	0.5	74.3	0.0	2,393	27.7	0.3	0.7	71.2	0.1	1,190
Kurgung/Surungai	14.9	0.1	0.7	84.2	0.1	2,424	16.9	0.1	0.5	82.4	-	957
Kabiyet	24.3	0.1	0.4	74.8	0.3	2,691	27.9	0.1	0.5	71.4	0.1	1,181
Ndalat	23.9	0.3	0.2	75.5	0.1	2,469	28.0	0.6	0.5	70.7	0.1	1,120
Kabisanga	25.2	-	0.2	74.5	0.1	2,512	27.3	0.3	-	72.3	0.2	1,129
Sangalo/Kebulonik	14.0	0.2	0.5	82.7	2.6	2,868	16.0	0.2	0.5	80.6	2.7	1,156

Table 32.17: 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
Nandi County	81.9	0.8	0.1	1.4	14.8	0.1	0.1	0.0	0.9	150,495
Tinderet Constituency	66.5	0.6	0.1	1.4	30.3	0.0	0.1	0.0	0.9	19,091
Songhor/Soba	57.6	0.7	0.0	0.8	40.5	0.1	0.1	0.0	0.1	7,365
Tinderet	70.9	0.6	0.0	2.3	25.2	0.0	0.1	0.0	0.8	5,112
Chemilil/Chemase	62.2	0.3	0.0	0.6	36.7	0.0	0.0	0.0	0.0	2,962
Kapsimotwo	81.9	0.6	0.5	1.8	11.6	0.0	0.1	0.0	3.6	3,652
Aldai Constituency	81.8	0.6	0.0	2.3	14.5	0.1	0.3	0.0	0.4	28,784
Kibwareng	93.1	0.6	0.0	2.6	3.5	0.0	0.0	0.0	0.2	4,283
Terik	79.1	0.8	0.0	7.4	12.2	0.4	0.1	0.0	0.0	4,064
Kemeloi-Maraba	72.5	0.3	0.0	1.0	25.3	0.2	0.5	0.0	0.1	6,521
Kobujoi	76.0	0.6	0.0	1.5	19.7	0.1	0.6	0.0	1.5	4,959

Kaptumoi/Kaboi	95.6	0.6	0.0	1.3	2.0	0.1	0.2	0.0	0.0	5,204
Koyo/Ndurio	76.2	0.5	0.0	0.9	21.3	0.1	0.0	0.0	1.0	3,753
Nandi Hills Constituency	88.0	0.6	0.1	0.4	8.2	0.1	0.0	0.0	2.4	24,015
Nandi Hills	95.1	0.8	0.1	0.2	2.2	0.1	0.0	0.1	1.4	8,128
Chepkunyuk	88.7	0.3	0.0	0.9	7.0	0.0	0.0	0.0	2.9	8,261
Ollessos	86.1	1.2	0.4	0.2	11.0	0.0	0.1	0.0	1.1	3,918
Kapchorua	72.6	0.3	0.0	0.2	21.2	0.5	0.0	0.0	5.1	3,708
Chesumei Constituency	87.4	1.3	0.1	1.4	8.9	0.1	0.1	0.0	0.7	26,009
Chemundu/Kapng Etunyi	91.4	3.4	0.3	0.9	2.1	0.0	0.3	0.1	1.5	5,814
Kosirai	89.4	1.2	0.0	1.1	8.0	0.0	0.2	0.0	0.1	4,691
Lelmok/Ngechek	87.1	0.7	0.1	2.2	9.3	0.2	0.2	0.0	0.2	4,584
Kaptel/Kamoiywo	78.8	0.6	0.0	2.5	18.1	0.0	0.1	0.0	0.0	5,910
Kiptuiya	91.4	0.6	0.0	0.1	6.4	0.0	0.0	0.0	1.4	5,010
Emgwen Constituency	88.0	0.9	0.1	1.1	8.8	0.1	0.2	0.0	0.8	26,879
Chepkumia	92.5	0.9	0.1	0.0	6.4	0.0	0.0	0.0	0.0	4,237
Kapkangani	89.0	0.6	0.1	0.2	8.8	0.1	0.1	0.0	1.1	5,063
Kapsabet	92.9	1.0	0.2	2.3	1.6	0.1	0.3	0.0	1.7	8,268
Kilibwoni	81.2	0.9	0.0	1.0	16.4	0.0	0.3	0.0	0.2	9,311
Mosop Constituency	75.7	0.6	0.0	1.5	21.8	0.1	0.1	0.0	0.1	25,717
Cheterwai	69.4	0.4	0.0	1.7	28.1	0.0	0.1	0.0	0.3	3,627
Kipkaren	78.5	0.9	0.1	1.2	19.0	0.3	0.0	0.0	0.0	3,583
Kurgung/Surungai	70.3	0.6	0.0	3.5	25.4	0.1	0.1	0.0	0.0	3,381
Kabiyet	81.6	0.7	0.0	0.2	16.9	0.2	0.2	0.0	0.2	3,872
Ndalat	82.8	0.9	0.0	3.3	12.5	0.4	0.1	0.0	0.1	3,589
Kabisanga	83.5	0.4	0.0	0.1	15.7	0.0	0.2	0.0	0.1	3,641
Sangalo/Kebulonik	64.1	0.5	0.0	0.8	34.3	0.0	0.1	0.1	0.0	4,024

Table 32.18: 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
Nandi County	81.3	0.8	0.1	1.3	15.3	0.1	0.1	0.0	0.9	108,390
Tinderet Constituency	66.4	0.6	0.1	1.4	30.3	0.0	0.1	-	1.0	14,586
Songhor/Soba	57.3	0.7	0.0	0.8	40.9	0.1	0.1	-	0.1	5,638
Tinderet	70.5	0.8	-	2.5	25.2	0.0	0.1	-	0.9	3,823
Chemilil/Chemase	61.4	0.4	-	0.6	37.5	-	0.0	-	-	2,225
Kapsimotwo	82.3	0.6	0.6	1.8	11.0	-	0.1	-	3.7	2,900

Aldai Constituency	80.8	0.5	0.0	2.0	15.8	0.2	0.2	-	0.4	20,571
Kibwareng	92.6	0.5	0.0	2.7	4.0	-	-	-	0.1	2,795
Terik	78.4	0.9	0.0	6.2	13.8	0.6	0.1	-	0.1	2,780
Kemeloi-Maraba	70.0	0.3	0.0	1.0	28.0	0.2	0.4	-	0.1	4,591
Kobujoi	75.0	0.6	0.0	1.3	21.2	0.1	0.6	-	1.3	3,576
Kaptumoi/Kaboi	95.9	0.5	0.0	1.3	2.0	0.1	0.0	-	0.0	4,006
Koyo/Ndurio	75.0	0.5	-	0.9	22.5	0.0	0.0	-	1.0	2,823
Nandi Hills Constituency	88.4	0.5	0.1	0.4	7.7	0.1	0.0	0.1	2.6	18,334
Nandi Hills	95.1	0.7	0.1	0.2	2.2	0.1	0.0	0.1	1.4	6,288
Chepkunyuk	89.1	0.3	0.0	1.0	6.5	0.0	0.0	0.0	3.1	6,477
Ollessos	86.9	1.0	0.4	0.1	10.3	-	0.1	-	1.1	2,734
Kapchorua	73.3	0.2	-	0.1	20.3	0.5	0.0	-	5.5	2,835
Chesumei Constituency	86.9	1.5	0.1	1.5	9.1	0.1	0.1	0.0	0.6	18,003
Chemundu/Kapng Etunyi	91.1	3.8	0.3	0.9	1.9	0.0	0.2	0.1	1.6	4,097
Kosirai	89.4	1.3	0.0	1.1	7.9	-	0.2	-	0.1	3,325
Lelmok/Ngechek	87.0	0.8	0.1	2.4	9.0	0.3	0.1	0.0	0.3	3,170
Kaptel/Kamoiywo	78.6	0.6	-	2.6	18.1	-	0.1	-	0.0	4,326
Kiptuiya	90.3	0.7	-	0.2	7.8	0.0	-	0.0	1.0	3,085
Emgwen Constituency	87.5	0.9	0.1	1.1	9.3	0.1	0.2	0.0	0.8	18,962
Chepkumia	92.1	1.0	0.1	0.1	6.7	-	0.0	-	-	3,050
Kapkangani	87.1	0.6	0.2	0.2	10.5	0.1	0.1	-	1.3	3,170
Kapsabet	92.9	0.9	0.2	2.3	1.7	0.1	0.2	0.0	1.7	5,913
Kilibwoni	81.1	1.0	-	1.1	16.4	0.0	0.2	0.0	0.2	6,829
Mosop Constituency	74.6	0.7	0.0	1.5	22.8	0.1	0.1	0.0	0.1	17,934
Cheterwai	68.5	0.4	0.0	1.5	29.3	-	0.1	-	0.2	2,577
Kipkaren	77.7	0.9	0.1	1.3	19.6	0.3	0.0	0.0	-	2,393
Kurgung/Surungai	69.0	0.6	-	3.7	26.5	0.0	0.1	-	-	2,424
Kabiyet	81.6	0.8	0.0	0.1	16.7	0.2	0.3	-	0.2	2,691
Ndalat	82.2	1.0	-	3.2	13.0	0.3	0.1	-	0.1	2,469
Kabisanga	83.3	0.4	-	0.1	15.9	0.0	0.2	-	0.1	2,512
Sangalo/Kebulonik	61.5	0.5	-	0.9	36.8	0.0	0.1	0.1	0.0	2,868

Table 32.19: 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
Nandi County	83.3	0.7	0.1	1.4	13.4	0.1	0.2	0.0	0.7	42,105
Tinderet Constituency	67.1	0.5	0.0	1.3	30.3	0.0	0.0	0.0	0.7	4,505
Songhor/Soba	58.5	0.8	0.1	1.0	39.4	0.1	0.1	0.1	-	1,727
Tinderet	72.1	0.3	-	1.7	25.2	-	0.1	-	0.6	1,289
Chemilil/Chemase	64.6	0.1	0.1	0.7	34.5	-	-	-	-	737
Kapsimotwo	80.6	0.5	-	1.9	13.8	-	-	-	3.2	752
Aldai Constituency	84.2	0.6	0.0	2.9	11.3	0.1	0.3	0.0	0.5	8,213
Kibwareng	94.0	0.7	-	2.4	2.6	0.1	-	-	0.2	1,488
Terik	80.5	0.4	-	10.1	8.7	0.1	0.1	0.1	-	1,284
Kemeloi-Maraba	78.6	0.4	0.1	1.1	19.1	0.2	0.6	-	0.1	1,930
Kobujoi	78.7	0.7	-	2.0	16.0	0.1	0.7	-	2.0	1,383
Kaptumoi/Kaboi	94.7	0.9	-	1.4	2.1	0.2	0.6	0.2	-	1,198
Koyo/Ndurio	79.9	0.4	-	1.0	17.5	0.1	-	-	1.1	930
Nandi Hills Constituency	86.7	0.8	0.2	0.4	9.9	0.2	0.0	0.0	1.8	5,681
Nandi Hills	95.3	0.9	0.3	0.1	2.2	0.1	0.1	0.1	1.0	1,840
Chepkunyuk	87.5	0.2	0.1	0.7	9.0	0.1	-	-	2.4	1,784
Ollessos	84.2	1.7	0.3	0.2	12.6	0.1	0.1	-	0.9	1,184
Kapchorua	70.6	0.6	-	0.3	24.2	0.6	-	-	3.8	873
Chesumei Constituency	88.4	0.9	0.1	1.2	8.3	0.0	0.2	0.0	0.7	8,006
Chemundu/Kapng Etunyi	92.0	2.5	0.4	1.0	2.4	-	0.3	0.1	1.2	1,717
Kosirai	89.4	0.9	-	1.1	8.4	-	0.2	-	-	1,366
Lelmok/Ngechek	87.1	0.5	-	2.0	10.1	-	0.3	-	-	1,414
Kaptel/Kamoiywo	79.2	0.4	-	2.1	18.1	0.1	-	0.1	-	1,584
Kiptuiya	93.1	0.4	-	0.1	4.3	0.1	0.1	0.1	2.0	1,925

Emgwen Constituency	89.2	0.8	0.1	1.0	7.8	0.0	0.3	0.0	0.7	7,917
Chepkumia	93.4	0.9	-	-	5.6	-	-	-	-	1,187
Kapkangani	92.2	0.6	0.1	0.2	6.0	0.1	0.1	-	0.7	1,893
Kapsabet	92.8	1.2	0.1	2.3	1.4	0.0	0.5	0.0	1.7	2,355
Kilibwoni	81.5	0.6	0.1	1.0	16.3	-	0.4	-	0.1	2,482
Mosop Constituency	78.1	0.6	-	1.5	19.5	0.2	0.1	0.0	0.1	7,783
Cheterwai	71.6	0.4	-	2.1	25.1	-	0.1	-	0.7	1,050
Kipkaren	80.3	0.8	-	0.8	17.9	0.3	-	-	-	1,190
Kurgung/Surungai	73.5	0.5	-	3.1	22.7	0.1	-	-	0.1	957
Kabiyet	81.5	0.6	-	0.3	17.3	0.3	0.1	-	0.1	1,181
Ndalat	84.2	0.6	-	3.6	11.2	0.4	-	-	-	1,120
Kabisanga	83.9	0.5	-	0.1	15.2	-	0.2	-	0.1	1,129
Sangalo/Kebulonik	70.3	0.6	-	0.7	28.1	0.1	0.1	0.1	-	1,156

Table 32.20: Main material of the wall by County, Constituency and Wards

County/Constituency/Wards	Stone	Brick/ Block	Mud/ Wood	Mud/ Cement	Wood only	Corrugated Iron Sheets	Grass/ Reeds	Tin	Other	Households
Kenya	16.7	16.9	36.5	7.7	11.1	6.7	3.0	0.3	1.2	8,493,380
Rural	5.7	13.8	50.0	7.6	14.4	2.5	4.4	0.3	1.4	5,239,879
Urban	34.5	21.9	14.8	7.8	5.8	13.3	0.8	0.3	0.9	3,253,501
Nandi County	1.3	15.0	63.5	14.5	3.6	0.9	0.1	0.0	1.2	150,495
Tinderet Constituency	1.8	12.6	62.9	11.4	8.3	1.5	0.1	0.0	1.4	19,091
Songhor/Soba	0.9	3.3	75.8	10.4	5.1	2.6	0.1	0.0	1.8	7,365
Tinderet	1.1	15.6	58.1	3.3	20.9	0.8	0.0	0.0	0.1	5,112
Chemilil/Chemase	0.6	9.1	61.0	28.4	0.2	0.4	0.0	0.0	0.3	2,962
Kapsimotwo	5.4	30.2	45.0	10.8	4.0	1.0	0.1	0.0	3.6	3,652
Aldai Constituency	0.3	8.2	74.9	14.9	0.6	0.5	0.0	0.0	0.5	28,784
Kibwareng	0.2	14.2	73.8	11.2	0.0	0.2	0.0	0.0	0.3	4,283
Terik	0.4	9.4	80.5	9.2	0.2	0.2	0.0	0.0	0.0	4,064
Kemeloi-Maraba	0.1	5.3	82.2	11.7	0.2	0.1	0.2	0.1	0.1	6,521
Kobujoi	0.3	6.6	75.7	14.4	0.7	0.5	0.0	0.0	1.7	4,959
Kaptumoi/Kaboi	0.5	9.8	58.8	27.2	2.1	1.6	0.0	0.0	0.0	5,204
Koyo/Ndurio	0.3	4.9	78.7	14.2	0.5	0.3	0.0	0.1	1.0	3,753
Nandi Hills Constituency	2.6	28.0	41.5	11.3	10.7	2.3	0.0	0.0	3.4	24,015
Nandi Hills	3.1	32.2	39.2	15.7	3.8	4.4	0.0	0.0	1.5	8,128
Chepkunyak	2.2	32.6	42.5	11.8	6.7	0.7	0.0	0.0	3.5	8,261
Ollessos	3.3	12.3	42.3	7.8	26.2	2.5	0.0	0.1	5.5	3,918

Kapchorua	2.0	25.5	43.2	4.7	18.0	1.2	0.1	0.0	5.3	3,708
Chesumei Constituency	1.7	18.0	62.5	15.3	1.3	0.5	0.1	0.0	0.5	26,009
Chemundu/Kapng Etunyi	2.4	31.2	46.5	14.7	2.6	1.1	0.0	0.1	1.5	5,814
Kosirai	0.9	19.1	61.3	16.0	1.7	0.4	0.1	0.0	0.6	4,691
Lelmok/Ngechek	4.1	18.0	56.9	19.2	0.9	0.3	0.4	0.0	0.2	4,584
Kaptel/Kamoiywo	1.0	12.6	72.3	12.8	0.6	0.6	0.1	0.0	0.0	5,910
Kiptuiya	0.3	8.3	76.1	14.6	0.4	0.1	0.0	0.0	0.1	5,010
Emgwen Constituency	1.1	17.1	60.9	16.5	2.4	0.9	0.0	0.0	1.1	26,879
Chepkumia	0.2	15.3	78.4	2.5	0.4	1.2	0.1	0.0	1.8	4,237
Kapkangani	0.8	9.2	63.2	25.1	0.6	0.1	0.0	0.0	1.0	5,063
Kapsabet	1.9	27.5	47.3	16.5	3.3	1.7	0.0	0.0	1.7	8,268
Kilibwoni	1.0	13.0	63.8	18.2	3.4	0.4	0.1	0.0	0.2	9,311
Mosop Constituency	0.4	6.7	75.5	16.2	0.3	0.1	0.0	0.0	0.6	25,717
Cheterwai	0.4	5.3	75.6	17.7	0.1	0.1	0.1	0.0	0.8	3,627
Kipkaren	0.4	9.7	65.8	23.3	0.5	0.3	0.0	0.0	0.0	3,583
Kurgung/Surungai	0.6	6.1	81.3	11.8	0.1	0.0	0.1	0.0	0.0	3,381
Kabiyet	0.4	7.7	72.6	17.9	0.3	0.3	0.1	0.2	0.5	3,872
Ndalat	0.4	5.6	70.0	23.6	0.3	0.0	0.0	0.0	0.1	3,589
Kabisanga	0.2	6.0	79.9	13.3	0.3	0.1	0.0	0.0	0.1	3,641
Sangalo/Kebulonik	0.6	6.5	83.1	6.9	0.2	0.0	0.0	0.0	2.6	4,024

Table 32.21: Main Material of the Wall in Male Headed Households by County, Constituency and Ward

County/ Constituency/ Wards	Stone	Brick/ Block	Mud/ Wood	Mud/ Cement	Wood only	Corrugated Iron Sheets	Grass/ Reeds	Tin	Other	Households
Kenya	17.5	16.6	34.7	7.6	11.4	7.4	3.4	0.3	1.2	5,762,320
Rural	5.8	13.1	48.9	7.3	15.4	2.6	5.2	0.3	1.4	3,413,616
Urban	34.6	21.6	14.0	7.9	5.6	14.4	0.7	0.3	0.9	2,348,704
Nandi County	1.3	15.1	63.3	14.3	3.7	1.0	0.1	0.0	1.3	108,390
Tinderet Constituency	1.7	13.1	62.4	11.5	8.2	1.5	0.1	0.0	1.5	14,586
Songhor/Soba	0.9	3.3	75.7	10.4	5.1	2.5	0.1	0.0	2.0	5,638
Tinderet	1.1	16.4	57.3	3.6	20.6	0.9	0.0	0.1	0.1	3,823
Chemilil/Chemase	0.5	9.4	60.4	28.6	0.2	0.4	-	0.0	0.3	2,225
Kapsimotwo	5.2	30.6	44.7	10.8	4.0	0.9	0.1	0.0	3.7	2,900
Aldai Constituency	0.3	7.9	75.3	14.9	0.7	0.5	0.1	0.0	0.5	20,571
Kibwareng	0.1	14.5	73.6	11.3	0.0	0.2	0.0	-	0.2	2,795
Terik	0.4	9.3	81.2	8.5	0.3	0.3	-	-	0.1	2,780
Kemeloi-Maraba	0.1	4.9	82.9	11.3	0.2	0.1	0.2	0.1	0.2	4,591

Kobujoi	0.2	6.6	76.3	14.2	0.7	0.5	-	-	1.5	3,576
Kaptumoi/Kaboi	0.5	9.2	59.2	27.5	2.1	1.5	-	-	0.0	4,006
Koyo/Ndurio	0.2	4.5	80.1	13.3	0.5	0.3	-	0.0	1.0	2,823
Nandi Hills Constituency	2.6	28.9	40.8	11.3	10.5	2.3	0.0	0.0	3.5	18,334
Nandi Hills	2.9	32.2	39.5	15.6	3.8	4.4	0.0	0.0	1.6	6,288
Chepkunyak	2.2	33.8	41.0	11.8	6.8	0.7	0.0	0.0	3.6	6,477
Ollessos	3.1	12.4	42.1	7.2	26.6	2.6	-	0.1	5.7	2,734
Kapchorua	2.0	26.5	42.1	4.7	18.3	1.0	0.0	-	5.3	2,835
Chesumei Constituency	1.7	17.7	62.8	15.2	1.4	0.6	0.1	0.0	0.5	18,003
Chemundu/Kapng Etunyi	2.5	30.3	47.5	14.3	2.6	1.1	0.0	0.1	1.6	4,097
Kosirai	0.9	18.7	61.8	15.4	2.0	0.4	0.2	-	0.6	3,325
Lelmok/Ngechek	3.8	17.5	57.1	19.5	1.0	0.4	0.5	-	0.3	3,170
Kaptel/Kamoiyo	1.0	12.0	72.5	13.1	0.5	0.7	0.0	-	0.0	4,326
Kiptuiya	0.3	8.0	76.3	14.6	0.6	0.1	0.0	-	0.1	3,085
Emgwen Constituency	1.1	16.9	61.0	16.2	2.6	0.9	0.0	0.0	1.1	18,962
Chepkumia	0.3	16.8	76.9	2.4	0.5	1.0	0.1	-	1.9	3,050
Kapgangani	0.7	9.4	62.7	25.0	0.8	0.1	-	0.0	1.3	3,170
Kapsabet	1.9	25.8	48.9	16.5	3.4	1.7	0.0	0.0	1.7	5,913
Kilibwoni	1.0	12.8	63.8	18.1	3.6	0.4	0.1	0.0	0.2	6,829
Mosop Constituency	0.4	6.4	76.2	15.9	0.3	0.1	0.0	0.0	0.6	17,934
Cheterwai	0.3	5.7	75.4	17.7	0.1	0.0	0.1	-	0.6	2,577
Kipkaren	0.4	9.6	66.2	22.7	0.7	0.3	-	-	-	2,393
Kurgung/Surungai	0.7	5.7	81.8	11.6	0.2	0.0	-	-	-	2,424
Kabiyet	0.4	7.4	73.1	17.6	0.3	0.3	0.1	0.2	0.4	2,691
Ndalat	0.4	4.3	71.6	23.3	0.2	0.0	0.0	-	0.0	2,469
Kabisanga	0.2	5.7	80.7	13.0	0.2	0.0	0.0	0.0	0.1	2,512

Sangalo/Kebulonik	0.6	6.3	83.5	6.8	0.1	0.0	-	0.0	2.7	2,868
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Table 32.22: Main Material of the Wall in Female Headed Households by County, Constituency and Ward

County/ Constituency	Stone	Brick/ Block	Mud/ Wood	Mud/Cement	Wood only	Corrugated Iron Sheets	Grass/ Reeds	Tin	Other	Households
Kenya	15.0	17.5	40.4	7.9	10.5	5.1	2.1	0.3	1.2	2,731,060
Rural	5.4	14.9	52.1	8.0	12.6	2.4	2.8	0.4	1.4	1,826,263
Urban	34.2	22.6	16.9	7.6	6.2	10.5	0.8	0.3	0.9	904,797
Nandi County	1.3	14.6	64.1	15.0	3.2	0.8	0.0	0.0	1.0	42,105
Tinderet Constituency	1.8	11.1	64.5	11.1	8.8	1.5	0.1	0.0	1.1	4,505
Songhor/Soba	0.9	3.1	76.3	10.4	5.0	3.0	0.1	0.1	1.2	1,727
Tinderet	1.3	13.0	60.5	2.6	21.9	0.5	-	-	0.2	1,289
Chemilil/Chemase	0.9	8.1	62.8	27.7	-	0.3	-	-	0.1	737
Kapsimotwo	5.9	28.7	46.1	10.8	3.9	1.3	0.1	-	3.2	752
Aldai Constituency	0.4	9.0	74.1	14.9	0.6	0.4	0.0	0.0	0.6	8,213
Kibwareng	0.3	13.8	74.3	11.0	0.1	0.1	-	-	0.4	1,488
Terik	0.4	9.6	79.1	10.7	0.1	0.1	-	-	-	1,284
Kemeloi-Maraba	0.3	6.2	80.4	12.7	0.2	0.2	0.1	-	0.1	1,930
Kobujoi	0.7	6.7	74.2	15.0	0.8	0.4	-	-	2.2	1,383
Kaptumoi/Kaboi	0.3	11.9	57.6	26.1	2.3	1.8	-	-	-	1,198
Koyo/Ndurio	0.4	6.2	74.7	16.9	0.3	0.2	-	0.1	1.1	930
Nandi Hills Constituency	2.9	25.2	43.6	11.4	11.2	2.6	0.0	0.1	3.2	5,681
Nandi Hills	3.8	32.2	38.3	15.9	3.8	4.7	-	0.1	1.3	1,840
Chepkunyuk	2.1	28.3	47.9	11.5	6.5	0.8	0.1	-	2.9	1,784
Ollessos	3.5	11.8	42.9	9.2	25.2	2.2	-	0.1	5.1	1,184
Kapchorua	1.9	22.1	46.8	4.5	17.2	2.2	0.1	0.1	5.0	873
Chesumei Constituency	1.7	18.8	62.0	15.5	1.0	0.4	0.1	0.0	0.4	8,006
Chemundu/Kapng Etunyi	2.1	33.3	44.0	15.8	2.6	1.0	-	-	1.2	1,717
Kosirai	0.7	19.9	60.1	17.3	1.0	0.3	-	-	0.7	1,366
Lelmok/Ngechek	5.0	19.0	56.4	18.7	0.8	0.1	0.1	-	0.1	1,414
Kaptel/Kamoiywo	0.9	14.3	71.6	11.9	0.7	0.2	0.3	0.1	-	1,584
Kiptuiya	0.3	8.7	75.7	14.6	0.3	0.2	0.1	-	0.1	1,925

Emgwen Constituency	1.1	17.5	60.5	17.2	1.9	0.8	0.0	0.0	1.0	7,917
Chepkumia	0.1	11.3	82.4	2.8	0.2	1.7	-	-	1.6	1,187
Kap Kangani	0.8	8.9	64.0	25.3	0.2	0.1	-	-	0.7	1,893
Kapsabet	1.7	31.9	43.3	16.5	2.9	1.8	0.0	-	1.8	2,355
Kilibwoni	1.1	13.4	63.7	18.5	2.9	0.1	0.0	0.0	0.2	2,482
Mosop Constituency	0.3	7.5	74.0	17.1	0.3	0.1	0.1	0.0	0.6	7,783
Cheterwai	0.6	4.5	75.9	17.6	0.1	0.1	-	-	1.2	1,050
Kipkaren	0.3	9.7	65.0	24.5	0.2	0.2	0.1	0.1	-	1,190
Kurgung/Surungai	0.3	7.1	80.0	12.3	-	-	0.2	-	-	957
Kabiyet	0.2	8.4	71.4	18.6	0.3	0.3	0.1	0.1	0.6	1,181
Ndalat	0.3	8.3	66.7	24.2	0.4	-	-	-	0.1	1,120
Kabisanga	0.2	6.6	78.2	14.2	0.5	0.2	-	-	0.1	1,129
Sangalo/Kebulonik	0.7	7.2	82.1	7.1	0.4	0.1	0.1	-	2.3	1,156

Table 32.23: Source of Water by County, Constituency and Ward

County/Constituency/Wards	Pond	Dam	Lake	Stream /River	Unprotected Spring	Unprotected Well	Jabia	Water vendor	Other	Unimproved Sources	Protected Spring	Protected Well	Bore-hole	Piped into Dwelling	Piped	Rain Water Collection	Improved Sources	Number of Individuals
Kenya	2.7	2.4	1.2	23.2	5.0	6.9	0.3	5.2	0.4	47.4	7.6	7.7	11.6	5.9	19.2	0.7	52.6	37,919,647
Rural	3.6	3.2	1.5	29.6	6.4	8.7	0.4	2.2	0.5	56.0	9.2	8.1	12.0	1.8	12.1	0.8	44.0	26,075,195
Urban	0.9	0.7	0.5	9.2	1.9	2.9	0.2	11.8	0.1	28.3	4.0	6.8	10.7	14.7	34.9	0.5	71.7	11,844,452
Nandi County	0.9	0.3	0.1	42.6	13.9	5.6	0.1	0.5	0.0	63.8	7.6	10.2	6.3	1.8	9.9	0.4	36.2	742,540
Tinderet Constituency	0.4	0.8	0.0	53.4	10.7	2.0	0.0	0.1	0.0	67.4	3.6	0.7	2.3	3.0	23.0	0.2	32.6	99,617
Songhor/Soba	0.5	0.0	0.0	62.7	17.0	2.1	0.0	0.1	0.0	82.4	5.7	0.4	2.0	1.2	8.3	0.0	17.6	39,654
Tinderet	0.4	0.1	0.0	42.7	5.4	2.2	0.0	0.1	0.0	50.8	2.3	0.3	1.7	3.1	41.7	0.2	49.2	27,568
Chemili/Chemase	0.0	0.1	0.0	77.0	1.6	1.8	0.0	0.1	0.0	80.6	2.3	0.6	1.2	2.2	13.0	0.1	19.4	14,414
Kapsimotwo	0.3	4.4	0.0	30.4	12.3	1.6	0.0	0.0	0.0	49.0	1.8	1.7	4.6	7.6	34.8	0.5	51.0	17,981
Aldai Constituency	0.8	0.1	0.2	47.7	22.5	3.1	0.1	0.4	0.0	74.9	15.4	2.8	2.0	0.8	3.3	0.8	25.1	148,600
Kibwareng	0.4	0.1	0.0	39.7	31.2	2.2	0.0	0.1	0.0	73.8	16.5	7.3	1.2	0.0	0.2	0.9	26.2	22,734
Terik	1.0	0.1	0.0	56.3	19.0	2.3	0.2	0.9	0.0	79.8	11.7	1.3	3.8	0.1	2.0	1.3	20.2	20,398
Kemeloi-Maraba	0.7	0.1	0.0	49.1	24.6	5.7	0.0	0.0	0.0	80.3	15.9	1.1	1.4	0.2	0.6	0.4	19.7	35,028
Kobuji	0.7	0.0	0.1	55.3	23.0	1.0	0.1	0.2	0.0	80.3	12.8	0.7	1.3	0.7	3.5	0.6	19.7	26,466
Kaptumol/Kaboi	0.7	0.0	1.0	44.5	13.7	0.5	0.0	1.1	0.0	61.4	18.5	1.9	2.7	2.5	11.7	1.3	38.6	24,072
Koyo/Ndurio	1.4	0.2	0.1	39.7	22.5	6.5	0.1	0.0	0.0	70.6	16.7	6.1	2.1	1.5	2.1	0.8	29.4	19,902
Nandi Hills Constituency	0.4	0.2	0.0	25.7	6.3	7.4	0.1	0.2	0.0	40.4	4.1	12.1	10.1	4.9	28.3	0.2	59.6	106,445

Nandi Hills	0.2	0.6	0.1	35.7	6.4	4.3	0.0	0.1	0.0	47.4	5.5	3.1	4.8	4.8	33.9	0.5	52.6	32,777
Chepkunyuk	0.6	0.0	0.0	15.0	6.8	9.0	0.1	0.0	0.0	31.6	4.5	18.0	12.3	8.5	24.9	0.1	68.4	36,719
Ollessos	0.1	0.1	0.0	17.4	2.5	8.9	0.1	0.6	0.0	29.7	2.2	23.9	21.6	1.2	21.0	0.3	70.3	19,137
Kapchorua	0.5	0.0	0.0	38.6	9.5	8.2	0.0	0.1	0.0	57.0	2.8	3.9	2.7	1.3	32.4	0.0	43.0	17,812
Chesumei Constituency	0.8	0.1	0.1	36.3	17.6	5.9	0.1	1.0	0.1	61.9	6.6	17.3	7.5	1.3	4.8	0.5	38.1	127,841
Chemundul/Kapng Etunyi	0.2	0.5	0.0	42.8	9.7	1.8	0.0	4.9	0.1	59.9	11.0	7.7	5.2	3.7	11.3	1.2	40.1	24,154
Kosirai	0.3	0.0	0.0	28.0	14.1	6.1	0.2	0.3	0.0	49.0	5.4	22.5	16.1	1.7	4.7	0.6	51.0	25,433
Leimok/Ngechek	0.2	0.1	0.0	7.9	2.9	15.0	0.0	0.0	0.2	26.4	2.9	51.9	11.9	0.8	5.9	0.1	73.6	22,212
Kaptell/Kamoiwo	0.9	0.0	0.3	44.8	27.3	6.2	0.1	0.1	0.0	79.8	3.9	9.0	5.0	0.4	1.7	0.2	20.2	31,211
Kiptuiya	2.2	0.0	0.1	53.1	29.6	1.2	0.0	0.0	0.0	86.3	10.4	0.7	0.3	0.3	1.6	0.4	13.7	24,831
Emgwen Constituency	1.1	0.3	0.1	38.4	13.4	9.6	0.1	0.7	0.0	63.8	6.6	14.2	10.2	1.0	3.5	0.6	36.2	127,693
Chepkurnia	0.8	0.2	0.0	42.0	39.4	2.6	0.0	0.1	0.0	85.0	4.2	4.1	0.4	0.7	5.5	0.0	15.0	21,271
Kaplangani	0.7	0.1	0.0	66.9	8.7	3.1	0.3	0.1	0.0	79.8	5.4	5.4	7.2	0.8	1.1	0.2	20.2	23,783
Kapsabet	1.0	0.9	0.3	53.2	9.8	0.6	0.1	2.4	0.1	68.2	9.9	7.1	6.9	1.5	4.8	1.5	31.8	34,666
Kilibwoni	1.6	0.1	0.0	12.0	6.9	22.4	0.0	0.2	0.0	43.2	5.9	28.3	18.5	0.9	2.8	0.4	56.8	47,973
Mosop Constituency	1.5	0.2	0.0	52.5	9.4	5.2	0.0	0.6	0.0	69.5	6.4	13.2	6.1	0.6	4.1	0.2	30.5	132,344
Cheterwai	0.6	0.0	0.0	47.6	21.2	2.6	0.0	0.1	0.0	72.1	9.7	3.6	7.4	1.0	5.9	0.3	27.9	18,599
Kipkaren	1.5	0.3	0.1	51.3	3.9	5.1	0.0	0.1	0.0	62.3	5.7	18.4	6.1	0.6	6.7	0.2	37.7	18,995
Kurgung/Surungai	0.3	0.2	0.0	68.6	12.4	0.9	0.0	0.1	0.0	82.5	6.0	3.6	3.7	0.5	3.5	0.1	17.5	17,973
Kabiyet	2.3	0.0	0.0	58.2	5.1	4.9	0.0	2.7	0.0	73.3	6.8	8.9	6.4	0.6	3.9	0.2	26.7	18,950

Ndlat	0.7	0.6	0.0	37.9	2.1	11.2	0.0	0.6	0.0	53.3	3.5	28.2	12.4	0.6	2.0	0.0	46.7	18,479
Kabisanga	2.6	0.0	0.0	35.9	12.3	9.6	0.1	0.5	0.0	60.9	6.8	23.7	5.6	0.8	1.9	0.3	39.1	18,340
Sangalo/Kebulonik	2.5	0.0	0.0	66.7	8.8	2.7	0.0	0.1	0.0	80.9	6.1	6.4	1.4	0.4	4.7	0.2	19.1	21,008

Table 32.24: Source of Water of Male headed Household by County Constituency and Ward

County/Constituency/Wards	Pond	Dam	Lake	Stream/ River	Unpro- tected Spring	Unpro- tected Well	Jabia	Water vendor	Other	Unim- proved Sources	Protected Spring	Protect- ed Well	Bore- hole	Piped into Dwelling	Rain Water Collec- tion	Im- proved Sourc- es	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
Nandi County	0.9	0.3	0.1	42.5	13.6	5.5	0.1	0.5	0.0	63.5	7.6	9.9	6.3	1.9	10.3	0.4	36.5	551,406
Tinderet Constituency	0.4	0.8	0.0	53.4	10.6	2.0	0.0	0.1	0.0	67.4	3.8	0.7	2.2	3.1	22.6	0.2	32.6	78,064
Songhor/Soba	0.6	0.1	0.0	62.5	16.6	2.1	-	0.1	-	81.9	6.1	0.4	2.1	1.2	8.2	0.0	18.1	31,352
Tinderet	0.5	0.0	-	43.1	5.5	2.4	0.0	0.1	0.0	51.7	2.5	0.3	1.5	3.4	40.4	0.1	48.3	21,065
Chemilli/Chemase	0.0	0.1	-	77.9	1.3	2.0	0.1	0.1	-	81.4	2.4	0.8	1.2	2.1	11.9	0.2	18.6	11,200
Kapsimotwo	0.3	3.9	-	29.9	12.2	1.5	0.0	-	-	47.8	1.9	1.6	4.5	7.7	36.0	0.5	52.2	14,447
Aldai Constituency	0.8	0.1	0.2	47.8	22.2	3.1	0.1	0.4	0.0	74.7	15.5	2.7	2.0	0.8	3.4	0.8	25.3	110,755
Kibwareng	0.5	0.2	0.0	39.8	31.1	2.2	0.0	0.2	-	74.0	16.3	7.1	1.5	-	0.2	0.8	26.0	15,615
Terik	1.0	0.1	-	55.6	19.3	2.1	0.2	0.9	0.0	79.2	12.5	1.3	3.6	0.2	2.1	1.2	20.8	14,782

Kemeloi-Maraba	0.7	0.1	0.0	49.8	23.5	5.6	0.1	0.0	-	79.9	16.0	1.3	1.4	0.3	0.7	0.4	20.1	25,916
Kobujoi	0.7	-	0.0	55.2	23.3	1.0	0.1	0.3	-	80.5	12.5	0.7	1.4	0.7	3.5	0.7	19.5	20,050
Kaptumoi/Kaboi	0.7	0.0	1.1	44.8	13.5	0.5	-	1.1	-	61.7	18.4	1.6	2.7	2.4	11.9	1.2	38.3	18,907
Koyo/Nduno	1.3	0.2	0.1	39.5	22.7	6.7	0.1	-	-	70.5	17.2	5.8	2.2	1.4	2.1	0.8	29.5	15,485
Nandi Hills Constituency	0.4	0.2	0.0	25.7	6.3	7.3	0.0	0.2	0.0	40.1	4.2	11.9	9.8	5.0	28.8	0.2	59.9	82,617
Nandi Hills	0.2	0.6	0.1	35.3	6.2	4.3	-	0.2	0.0	47.0	5.7	3.0	4.7	4.8	34.4	0.4	53.0	25,893
Chepkunyuk	0.6	0.1	-	14.9	6.8	8.7	0.1	0.0	-	31.1	4.4	17.5	12.4	8.6	25.9	0.1	68.9	29,427
Olessos	0.2	0.1	-	17.6	2.1	8.7	0.1	0.7	-	29.5	2.1	24.7	21.3	1.1	20.9	0.3	70.5	13,536
Kapchorua	0.6	0.0	0.1	38.5	9.2	8.2	-	0.1	-	56.7	2.9	3.9	2.6	1.3	32.6	0.0	43.3	13,761
Chesumei Constituency	0.8	0.2	0.1	36.2	17.4	6.0	0.1	1.0	0.1	61.7	6.6	17.3	7.6	1.4	4.9	0.5	38.3	91,224
Chemundu/Kapng Etunyi	0.2	0.6	0.0	43.0	10.2	1.9	-	4.4	0.1	60.5	11.0	7.6	5.4	3.7	10.9	0.9	39.5	17,584
Kosirai	0.2	0.0	0.0	27.7	14.4	5.9	0.2	0.4	-	48.8	5.9	22.2	15.6	1.9	5.0	0.6	51.2	18,373
Leimok/Ngechek	0.2	0.2	0.0	8.3	2.8	15.0	0.0	0.0	0.3	26.8	3.3	51.0	11.7	0.9	6.3	0.1	73.2	15,869
Kaptel/Kamoiwo	0.8	0.0	0.4	44.4	27.5	6.1	0.1	0.1	-	79.4	3.9	9.1	5.1	0.5	1.9	0.1	20.6	23,513
Kiptuiya	2.6	0.0	0.2	54.0	28.4	1.3	0.0	0.0	0.0	86.6	10.1	0.7	0.3	0.2	1.5	0.6	13.4	15,885
Engwen Constituency	1.2	0.3	0.1	37.5	13.3	9.8	0.1	0.7	0.0	63.1	6.6	14.7	10.6	1.0	3.5	0.6	36.9	92,914
Chepkumia	0.8	0.1	-	41.1	39.6	2.6	-	0.1	-	84.4	4.1	4.2	0.4	0.8	6.1	0.1	15.6	15,724
Kaplangani	0.8	0.0	-	65.8	8.8	3.3	0.4	0.1	-	79.2	5.0	5.7	7.8	0.8	1.4	0.2	20.8	15,379
Kapsabet	1.1	0.9	0.3	54.6	9.2	0.5	0.1	2.3	0.1	69.1	10.0	6.8	7.1	1.3	4.2	1.5	30.9	25,234
Kilibwoni	1.7	0.1	0.0	12.3	6.7	22.0	0.0	0.2	0.0	43.1	5.9	28.3	18.6	1.0	2.7	0.3	56.9	36,577
Mosop Constituency	1.5	0.2	0.0	52.8	9.3	5.3	0.0	0.5	0.0	69.5	6.5	12.7	6.2	0.7	4.2	0.2	30.5	95,832

Chetenwai	0.6	-	0.0	47.2	21.0	2.8	-	0.1	-	71.7	9.3	3.8	7.5	1.2	6.1	0.4	28.3	13,759
Kipkaren	1.2	0.3	0.0	50.9	4.1	5.7	-	0.0	-	62.2	6.2	17.8	6.1	0.7	6.7	0.3	37.8	13,093
Kurgung/Surungai	0.4	0.1	-	68.4	12.0	0.9	-	0.0	-	82.0	6.5	3.4	3.9	0.6	3.5	0.1	18.0	13,443
Kabiyet	2.5	0.1	0.1	58.1	5.4	4.8	-	2.7	-	73.6	6.5	8.7	6.5	0.7	3.9	0.2	26.4	13,619
Ndlat	0.6	0.6	0.0	38.5	1.9	10.9	-	0.6	-	53.3	3.7	27.5	13.1	0.6	1.9	-	46.7	13,188
Kabisanga	2.6	0.1	-	36.3	11.6	9.6	0.1	0.3	0.0	60.5	7.4	23.5	5.3	0.9	2.0	0.4	39.5	13,117
Sangalo/Kebulonik	2.4	-	-	66.9	8.6	2.7	-	0.1	-	80.8	6.0	6.0	1.5	0.4	5.0	0.2	19.2	15,613

Table 32.25: Source of Water of Female headed Household by county Constituency and Ward

County/Constituency/ Wards	Pond	Dam	Lake	Stream	Unpro- tected Spring	Unprotect- ed Well	Jabia	Water vendor	Oth- er	Unim- proved Sources	Protect- ed Spring	Protect- ed Well	Bore- hole	Piped into Dwelling	Piped Water Collection	Improved Sources	Number of Individuals
Kenya	2.8	2.7	1.3	252	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
Nandi County	0.8	0.3	0.0	42.9	14.5	5.6	0.1	0.6	0.0	64.8	7.4	10.8	6.2	1.5	8.8	35.2	191,134
Tinderet Constituency	0.1	1.1	-	53.2	11.1	1.8	-	0.1	0.0	67.4	2.6	0.7	2.3	2.5	24.3	32.6	21,553
Songhor/Soba	0.1	-	-	63.4	18.3	2.3	-	0.1	-	84.2	4.2	0.6	1.6	0.9	8.4	15.8	8,302
Tinderet	0.2	0.2	-	41.4	4.9	1.4	-	0.1	0.1	48.2	1.5	0.2	2.2	2.0	45.6	51.8	6,503
Chemili/Chemase	-	-	-	73.7	2.7	1.1	-	0.1	-	77.7	2.1	0.1	1.2	2.3	16.5	22.3	3,214

Kapsimotwo	0.2	6.6	-	32.4	12.9	1.9	-	-	-	53.9	1.2	2.4	5.2	7.1	29.5	0.6	46.1	3,534
Aldai Constituency	0.8	0.1	0.1	47.4	23.5	3.3	0.1	0.3	0.0	75.6	15.0	3.1	1.9	0.7	2.7	1.0	24.4	37,845
Kibwareng	0.2	-	-	39.6	31.3	2.4	-	-	-	73.5	16.9	7.8	0.4	0.1	0.3	1.1	26.5	7,119
Terik	1.0	0.3	-	58.1	18.1	2.8	0.4	0.8	-	81.4	9.6	1.1	4.5	-	1.9	1.4	18.6	5,616
Kemeloi-Maraba	0.7	-	-	46.9	27.9	6.1	-	0.0	-	81.7	15.4	0.7	1.5	0.1	0.3	0.5	18.3	9,112
Kobuji	0.7	-	0.1	55.6	22.0	1.1	0.1	0.1	-	79.8	13.7	0.8	1.1	0.6	3.5	0.5	20.2	6,416
Kaptumol/Kaboi	0.8	-	0.7	43.1	14.7	0.3	-	0.8	0.0	60.3	18.8	2.7	2.7	2.6	11.0	1.9	39.7	5,165
Koyo/Ndurio	2.0	0.3	0.1	40.4	21.8	6.0	0.1	-	0.1	70.7	15.0	7.2	2.0	2.0	2.0	1.0	29.3	4,417
Nandi Hills Constituency	0.3	0.2	-	25.9	6.7	8.0	0.1	0.1	-	41.3	3.8	13.0	10.9	4.5	26.2	0.3	58.7	23,828
Nandi Hills	0.2	0.7	-	36.8	7.0	4.0	-	0.0	-	48.7	4.7	3.6	5.3	4.9	32.2	0.6	51.3	6,884
Chepkunyuk	0.7	-	-	15.3	6.9	10.5	0.2	-	-	33.6	4.9	20.0	12.0	8.1	21.3	0.1	66.4	7,292
Ollessos	-	0.2	-	16.7	3.5	9.4	0.1	0.5	-	30.4	2.5	22.0	22.1	1.5	21.3	0.3	69.6	5,601
Kapchorua	0.1	-	-	39.2	10.2	8.2	-	0.1	-	57.8	2.3	3.9	2.9	1.3	31.9	-	42.2	4,051
Chesumei Constituency	0.8	0.1	0.0	36.5	18.0	5.8	0.1	1.1	0.0	62.4	6.6	17.2	7.4	1.2	4.6	0.6	37.6	36,617
Chemundul/Kapng Etunyi	0.1	0.4	-	42.1	8.1	1.5	0.0	6.0	0.1	58.3	11.1	8.1	4.7	3.5	12.4	1.9	41.7	6,570
Kosirai	0.4	-	-	28.7	13.4	6.6	0.2	0.1	-	49.5	4.1	23.1	17.4	1.2	4.1	0.6	50.5	7,060
Leimok/Ngechek	0.1	-	-	6.9	3.4	15.1	0.0	0.0	-	25.5	2.0	54.2	12.4	0.5	5.2	0.2	74.5	6,343
Kaptei/Kamoiwo	1.2	0.1	0.1	45.9	26.9	6.6	0.0	0.0	-	80.8	4.1	8.5	4.6	0.4	1.2	0.3	19.2	7,698
Kiptuiya	1.6	-	0.0	51.4	31.7	1.1	-	0.0	-	85.8	10.9	0.6	0.3	0.5	1.7	0.1	14.2	8,946
Engwen Constituency	0.9	0.3	0.1	40.7	13.7	9.0	0.1	0.8	-	65.6	6.8	13.2	9.2	1.1	3.5	0.7	34.4	34,779
Chepkurnia	0.5	0.3	0.1	44.5	38.8	2.7	-	-	-	86.9	4.7	3.8	0.2	0.5	4.0	0.0	13.1	5,547

Kapkangani	0.5	0.2	-	68.8	8.5	2.7	0.3	-	-	80.9	6.3	5.0	6.1	0.7	0.6	0.3	19.1	8,404
Kapsabet	0.9	0.8	0.1	49.2	11.2	0.9	0.0	2.7	-	65.9	9.8	7.9	6.4	2.2	6.2	1.7	34.1	9,432
Kilibwoni	1.4	0.0	0.0	11.0	7.4	23.5	-	0.2	-	43.6	5.9	28.1	18.2	0.8	3.0	0.4	56.4	11,396
Mosop Constituency	1.5	0.2	0.0	52.0	9.6	5.2	0.0	0.7	-	69.3	6.0	14.4	5.8	0.5	3.9	0.1	30.7	36,512
Chetenwai	0.3	-	-	48.5	22.0	2.1	-	0.0	-	73.0	11.0	3.2	6.9	0.6	5.1	0.3	27.0	4,840
Kipkaren	2.2	0.2	0.2	52.0	3.6	3.8	-	0.3	-	62.4	4.7	19.7	6.1	0.4	6.6	0.1	37.6	5,902
Kurgung/Surungai	-	0.3	0.2	69.2	13.5	0.7	-	0.1	-	84.0	4.3	4.2	3.3	0.4	3.7	0.1	16.0	4,530
Kabiyet	2.0	-	-	58.5	4.5	5.0	-	2.7	-	72.6	7.6	9.5	6.1	0.3	3.8	0.1	27.4	5,331
Ndalat	0.8	0.8	-	36.4	2.7	12.0	-	0.5	-	53.3	2.8	30.1	10.8	0.5	2.5	0.0	46.7	5,291
Kabisanga	2.4	-	-	34.9	14.0	9.4	0.1	1.0	-	61.7	5.5	24.1	6.2	0.6	1.8	0.1	38.3	5,223
Sangalo/Kebulonik	2.6	0.2	-	66.1	9.3	2.7	-	0.1	-	81.0	6.2	7.4	1.2	0.5	3.7	0.1	19.0	5,395

Table 32.26: 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
Nandi County	0.25	0.39	0.08	7.16	64.41	72.30	23.22	0.04	4.30	0.15	27.70	742,540
Tinderet Constituency	0.08	0.53	0.05	3.97	29.04	33.66	51.68	0.01	14.60	0.06	66.34	99,617
Songhor/Soba	0.15	0.05	0.01	1.34	13.18	14.73	71.32	0.01	13.86	0.07	85.27	39,654
Tinderet	0.03	1.53	0.01	0.73	25.79	28.09	70.31	0.00	1.52	0.08	71.91	27,568
Chemili/Chemase	0.00	0.02	0.06	6.74	27.06	33.88	10.09	0.00	55.99	0.03	66.12	14,414

Kapsimotwo	0.03	0.46	0.20	12.50	70.58	83.76	13.12	0.03	3.09	0.00	16.24	17,981
Aldai Constituency	0.01	0.09	0.03	10.21	68.16	78.50	18.22	0.02	3.09	0.16	21.50	148,600
Kilwareng	0.01	0.06	0.03	12.77	70.48	83.34	16.22	0.00	0.42	0.02	16.66	22,734
Terik	0.01	0.17	0.00	8.24	75.03	83.45	13.70	0.02	2.78	0.05	16.55	20,398
Kemeloi-Maraba	0.00	0.02	0.05	9.21	70.07	79.35	14.00	0.02	6.00	0.63	20.65	35,028
Kobuji	0.00	0.13	0.02	10.48	64.55	75.18	21.87	0.03	2.92	0.00	24.82	26,466
Kaptumoi/Kaboi	0.04	0.15	0.08	9.91	71.39	81.58	18.17	0.00	0.22	0.03	18.42	24,072
Koyo/Ndurio	0.00	0.02	0.02	11.09	56.00	67.13	27.76	0.07	5.04	0.00	32.87	19,902
Nandi Hills Constituency	0.28	0.94	0.08	7.28	64.87	73.45	24.81	0.09	1.60	0.05	26.55	106,445
Nandi Hills	0.79	2.21	0.08	5.32	75.32	83.72	15.89	0.15	0.21	0.03	16.28	32,777
Chepkunyuk	0.01	0.47	0.02	10.15	69.98	80.63	17.83	0.12	1.36	0.05	19.37	36,719
Olessos	0.12	0.03	0.13	8.88	62.65	71.80	26.36	0.02	1.73	0.09	28.20	19,137
Kapchorua	0.08	0.54	0.17	3.24	37.47	41.51	53.97	0.00	4.48	0.04	58.49	17,812
Chesumei Constituency	0.44	0.54	0.05	9.08	69.56	79.66	17.52	0.04	2.66	0.12	20.34	127,841
Chemundui/Kapng Etunyi	2.26	1.34	0.07	12.96	70.74	87.38	12.07	0.00	0.53	0.02	12.62	24,154
Kosirai	0.00	0.81	0.04	17.52	65.19	83.56	13.89	0.03	2.47	0.05	16.44	25,433
Lelmok/Ngechek	0.05	0.63	0.03	2.12	81.94	84.76	12.01	0.09	2.75	0.38	15.24	22,212
Kaptei/Kanoiywo	0.00	0.04	0.08	8.69	58.29	67.10	27.63	0.06	5.19	0.02	32.90	31,211
Kiptuiya	0.03	0.00	0.02	3.35	75.96	79.36	18.75	0.01	1.69	0.19	20.64	24,831
Emgwen Constituency	0.69	0.34	0.21	6.64	70.97	78.84	19.86	0.05	1.10	0.16	21.16	127,693
Chepkumia	0.00	0.25	0.10	1.89	64.58	66.81	32.64	0.00	0.49	0.06	33.19	21,271
Kaplangani	0.02	0.24	0.03	3.56	79.88	83.73	15.41	0.03	0.70	0.13	16.27	23,783
Kapsabet	2.35	0.87	0.59	10.50	76.13	90.44	8.31	0.04	0.85	0.36	9.56	34,666
Kilibwoni	0.12	0.04	0.08	7.49	65.65	73.37	24.74	0.08	1.75	0.06	26.63	47,973
Mosop Constituency	0.05	0.08	0.04	4.72	75.18	80.07	14.86	0.02	4.72	0.33	19.93	132,344
Chetenwai	0.00	0.07	0.03	3.39	66.26	69.75	24.31	0.00	5.63	0.31	30.25	18,599
Kipkaren	0.06	0.18	0.00	8.51	77.70	86.46	9.66	0.04	3.76	0.08	13.54	18,995
Kurung/Surungai	0.07	0.04	0.00	4.13	76.66	80.90	13.38	0.01	5.62	0.09	19.10	17,973
Kabiyet	0.00	0.02	0.00	3.81	76.11	79.94	16.64	0.00	3.20	0.22	20.06	18,950
Ndalat	0.11	0.22	0.08	5.46	78.73	84.60	12.52	0.03	2.77	0.09	15.40	18,479
Kabisanga	0.03	0.00	0.14	4.02	76.04	80.23	12.39	0.05	6.39	0.94	19.77	18,340
Sangalo/Kebulonik	0.05	0.02	0.03	3.75	74.84	78.69	15.08	0.00	5.65	0.57	21.31	21,008

Table 32.27: Human Waste Disposal in Male Headed household by County, Constituency and Ward

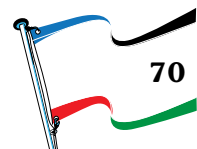
County/ Constituency/wards	Main Sewer	Septic Tank	Cess Pool	VIP Latrine	Pit Latrine	Im-proved Sanitation	Pit Latrine Uncovered	Bucket	Bush	Other	Unim-proved Sanitation	Number of HH Memmbers
Kenya	6.30	2.98	0.29	4.60	47.65	61.81	20.65	0.28	17.12	0.14	38.19	26,755,066
Rural	0.15	0.40	0.08	3.97	49.08	53.68	22.22	0.07	23.91	0.12	46.32	18,016,471
Urban	18.98	8.29	0.73	5.89	44.69	78.58	17.41	0.70	3.13	0.18	21.42	8,738,595
Nandi County	0.23	0.35	0.08	6.93	64.45	72.05	23.64	0.03	4.15	0.13	27.95	551,406
Tinderet Constituency	0.08	0.33	0.06	3.98	29.68	34.13	51.67	0.00	14.14	0.06	65.87	78,064
Songhor/Soba	0.16	0.03	0.02	1.32	13.60	15.12	71.58	0.00	13.22	0.08	84.88	31,352
Tinderet	0.04	0.84	0.00	0.66	26.38	27.92	70.52	0.00	1.49	0.08	72.08	21,065
Chemilil/Chemase	0.00	0.03	0.04	7.23	27.32	34.62	10.33	0.00	55.01	0.04	65.38	11,200
Kapsimotwo	0.03	0.50	0.25	12.06	71.20	84.04	13.04	0.00	2.92	0.00	15.96	14,447
Aldai Constituency	0.01	0.07	0.03	9.60	68.41	78.12	18.56	0.03	3.13	0.15	21.88	110,755
Kibwareng	0.01	0.01	0.00	12.54	70.57	83.14	16.42	0.00	0.42	0.03	16.86	15,615
Terik	0.00	0.20	0.00	7.85	75.19	83.24	14.04	0.03	2.65	0.03	16.76	14,782
Kemeloi-Maraba	0.00	0.02	0.04	8.23	70.46	78.76	14.29	0.01	6.33	0.61	21.24	25,916
Kobujoi	0.00	0.08	0.00	9.51	65.54	75.13	22.00	0.04	2.83	0.00	24.87	20,050
Kaptumoi/Kaboi	0.04	0.10	0.10	9.83	71.33	81.40	18.41	0.00	0.17	0.02	18.60	18,907
Koyo/Ndurio	0.00	0.02	0.02	10.46	56.50	67.00	27.94	0.07	4.99	0.00	33.00	15,485
Nandi Hills Constituency	0.24	0.92	0.09	7.21	65.69	74.14	24.36	0.08	1.40	0.02	25.86	82,617
Nandi Hills	0.67	2.02	0.08	5.41	75.03	83.22	16.44	0.13	0.18	0.02	16.78	25,893
Chepkunyak	0.01	0.49	0.02	10.43	71.19	82.14	16.57	0.12	1.15	0.02	17.86	29,427
Ollessos	0.06	0.04	0.16	7.80	63.71	71.76	26.82	0.00	1.42	0.00	28.24	13,536
Kapchorua	0.09	0.63	0.18	3.12	38.27	42.29	53.46	0.00	4.19	0.05	57.71	13,761
Chesumei Constituency	0.47	0.49	0.05	8.86	69.53	79.41	18.03	0.03	2.40	0.12	20.59	91,224
Chemundu/Kapng Etunyi	2.40	1.23	0.08	12.48	70.80	86.99	12.56	0.00	0.45	0.00	13.01	17,584
Kosirai	0.00	0.72	0.05	16.56	66.42	83.75	14.05	0.04	2.11	0.05	16.25	18,373
Lelmok/Ngechek	0.03	0.57	0.00	2.12	81.94	84.66	12.28	0.08	2.58	0.40	15.34	15,869
Kaptel/Kamoiywo	0.00	0.06	0.07	8.65	58.20	66.98	28.33	0.04	4.65	0.00	33.02	23,513

Kiptuiya	0.04	0.00	0.03	2.99	76.10	79.17	19.20	0.00	1.39	0.24	20.83	15,885
Emgwen Constituency	0.59	0.32	0.22	6.55	71.30	78.97	19.92	0.04	0.97	0.11	21.03	92,914
Chepkumia	0.00	0.23	0.13	1.91	65.32	67.60	32.10	0.00	0.27	0.03	32.40	15,724
Kapkangani	0.00	0.32	0.05	3.39	80.08	83.83	15.39	0.02	0.68	0.08	16.17	15,379
Kapsabet	2.00	0.75	0.56	10.49	76.71	90.52	8.39	0.04	0.80	0.26	9.48	25,234
Kilibwoni	0.11	0.05	0.10	7.15	66.44	73.84	24.55	0.06	1.50	0.05	26.16	36,577
Mosop Constituency	0.04	0.09	0.04	4.56	75.67	80.40	15.01	0.01	4.30	0.28	19.60	95,832
Cheterwai	0.00	0.09	0.04	3.64	66.96	70.73	24.02	0.00	4.97	0.28	29.27	13,759
Kipkaren	0.05	0.19	0.00	8.45	77.36	86.05	10.26	0.00	3.63	0.06	13.95	13,093
Kurgung/Surungai	0.09	0.04	0.00	3.86	78.06	82.06	13.37	0.00	4.49	0.07	17.94	13,443
Kabiyet	0.00	0.03	0.00	4.07	75.77	79.87	16.88	0.00	3.00	0.26	20.13	13,619
Ndalat	0.02	0.27	0.11	4.71	79.71	84.82	12.72	0.00	2.40	0.06	15.18	13,188
Kabisanga	0.05	0.00	0.08	4.09	77.42	81.64	11.75	0.07	5.88	0.66	18.36	13,117
Sangalo/Kebulonik	0.07	0.03	0.04	3.41	74.89	78.44	15.53	0.00	5.52	0.51	21.56	15,613

Table 32.28: Human Waste Disposal in Female Headed Household by County, Constituency and Ward

County/ Constituency	Main Sewer	Septic Tank	Cess Pool	VIP Latrine	Pit Latrine	Improved Sanitation	Pit Latrine Uncovered	Bucket	Bush	Other	Unimproved Sanitation	Number of HH Members
Kenya	5.0	2.2	0.2	4.5	47.6	59.5	21.4	0.3	18.7	0.2	40.5	11,164,581.0
Rural	0.1	0.3	0.1	4.0	48.5	53.0	22.6	0.1	24.2	0.1	47.0	8,058,724.0
Urban	17.6	7.2	0.6	5.9	45.1	76.4	18.4	0.7	4.3	0.2	23.6	3,105,857.0
Nandi	0.3	0.5	0.1	7.8	64.3	73.0	22.0	0.1	4.7	0.2	27.0	191,134.0
Tinderet	0.1	1.2	0.0	3.9	26.7	32.0	51.7	0.0	16.3	0.1	68.0	21,553.0
Songhor/Soba	0.1	0.1	0.0	1.4	11.6	13.3	70.3	0.1	16.3	0.1	86.7	8,302.0
Tinderet	0.0	3.8	0.0	1.0	23.9	28.6	69.6	0.0	1.6	0.1	71.4	6,503.0
Chemilil/Chemase	0.0	0.0	0.2	5.0	26.2	31.3	9.2	0.0	59.4	0.0	68.7	3,214.0
Kapsimotwo	0.0	0.3	0.0	14.3	68.1	82.6	13.4	0.1	3.8	0.0	17.4	3,534.0
Aldai	0.0	0.1	0.1	12.0	67.4	79.6	17.2	0.0	3.0	0.2	20.4	37,845.0
Kibwareng	0.0	0.2	0.1	13.3	70.3	83.8	15.8	0.0	0.4	0.0	16.2	7,119.0
Terik	0.1	0.1	0.0	9.3	74.6	84.0	12.8	0.0	3.1	0.1	16.0	5,616.0
Kemeloi-Maraba	0.0	0.0	0.1	12.0	69.0	81.0	13.2	0.0	5.0	0.7	19.0	9,112.0
Kobujoi	0.0	0.3	0.1	13.5	61.5	75.3	21.5	0.0	3.2	0.0	24.7	6,416.0
Kaptumoi/Kaboi	0.1	0.3	0.0	10.2	71.6	82.2	17.3	0.0	0.4	0.1	17.8	5,165.0
Koyo/Ndurio	0.0	0.0	0.0	13.3	54.3	67.6	27.1	0.1	5.2	0.0	32.4	4,417.0
Nandi Hills	0.4	1.0	0.1	7.5	62.0	71.1	26.4	0.1	2.3	0.1	28.9	23,828.0

Nandi Hills	1.2	2.9	0.1	5.0	76.4	85.6	13.8	0.2	0.3	0.0	14.4	6,884.0
Chepkunyuk	0.0	0.4	0.0	9.0	65.1	74.5	22.9	0.1	2.2	0.2	25.5	7,292.0
Ollessos	0.3	0.0	0.1	11.5	60.1	71.9	25.2	0.1	2.5	0.3	28.1	5,601.0
Kapchorua	0.1	0.2	0.1	3.7	34.7	38.9	55.7	0.0	5.5	0.0	61.1	4,051.0
Chesumei	0.4	0.6	0.0	9.6	69.6	80.3	16.2	0.0	3.3	0.1	19.7	36,617.0
Chemundu/Kapng Etunyi	1.9	1.6	0.1	14.3	70.6	88.4	10.8	0.0	0.7	0.1	11.6	6,570.0
Kosirai	0.0	1.1	0.0	20.0	62.0	83.1	13.5	0.0	3.4	0.1	16.9	7,060.0
Lelmok/Ngechek	0.1	0.8	0.1	2.1	81.9	85.0	11.4	0.1	3.2	0.3	15.0	6,343.0
Kaptel/Kamoiywo	0.0	0.0	0.1	8.8	58.6	67.5	25.5	0.1	6.8	0.1	32.5	7,698.0
Kiptuiya	0.0	0.0	0.0	4.0	75.7	79.7	18.0	0.0	2.2	0.1	20.3	8,946.0
Emgwen	1.0	0.4	0.2	6.9	70.1	78.5	19.7	0.1	1.4	0.3	21.5	34,779.0
Chepkumia	0.0	0.3	0.0	1.8	62.5	64.6	34.2	0.0	1.1	0.1	35.4	5,547.0
Kapkangani	0.0	0.1	0.0	3.9	79.5	83.5	15.5	0.0	0.7	0.2	16.5	8,404.0
Kapsabet	3.3	1.2	0.6	10.5	74.6	90.2	8.1	0.1	1.0	0.6	9.8	9,432.0
Kilibwoni	0.1	0.0	0.0	8.6	63.1	71.9	25.4	0.1	2.5	0.1	28.1	11,396.0
Mosop	0.1	0.0	0.0	5.1	73.9	79.2	14.5	0.0	5.8	0.5	20.8	36,512.0
Cheterwai	0.0	0.0	0.0	2.7	64.3	66.9	25.1	0.0	7.5	0.4	33.1	4,840.0
Kipkaren	0.1	0.2	0.0	8.7	78.4	87.4	8.3	0.1	4.1	0.1	12.6	5,902.0
Kurgung/Surungai	0.0	0.0	0.0	4.9	72.5	77.5	13.4	0.0	9.0	0.1	22.5	4,530.0
Kabiyet	0.0	0.0	0.0	3.2	77.0	80.1	16.0	0.0	3.7	0.1	19.9	5,331.0
Ndalat	0.3	0.1	0.0	7.3	76.3	84.0	12.0	0.1	3.7	0.2	16.0	5,291.0
Kabisanga	0.0	0.0	0.3	3.8	72.6	76.7	14.0	0.0	7.7	1.6	23.3	5,223.0
Sangalo/Kebulonik	0.0	0.0	0.0	4.7	74.7	79.4	13.8	0.0	6.0	0.8	20.6	5,395.0





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