



Second Report ON Poverty in Kenya

Volume II Poverty and Social Indicators

Highest Education level Reached by Gender and Poverty

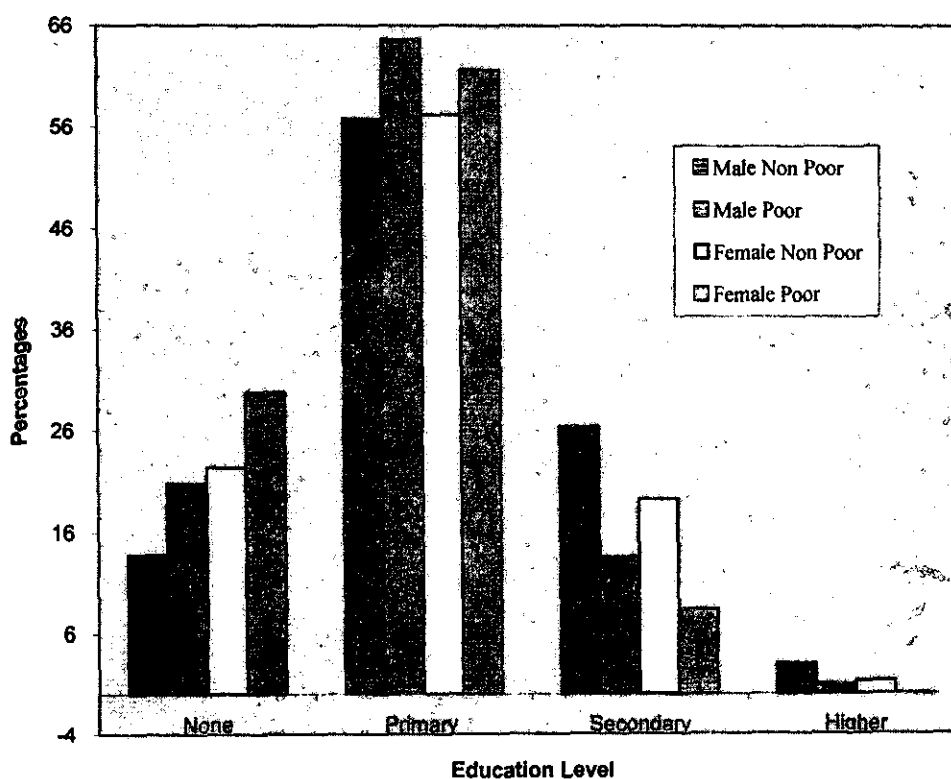


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ACRONYMS, SYMBOLS AND UNITS

| | |
|----------------|---|
| Adulteq | Adult equivalent |
| ASAL | Arid and Semi Arid lands |
| CBS | Central Bureau of Statistics |
| CLUSTER | Physical Area comprising 100 to 150 households on average. |
| E.A | Population Census Enumeration Area |
| ECSA | East, Central and Southern Africa |
| FAO | Food and Agricultural Organization |
| FGT | Foster, Greer and Thorbecke |
| GNP | Gross National Product |
| GOK | Government of Kenya |
| GTZ | German Technical Cooperation |
| HH | Household |
| HRSSD | Human Resources and Social Services Department |
| IRS | Integrated Rural Survey |
| K£ | Kenya Pound (20 shillings) |
| KDHS | Kenya Demographic and Health Survey III |
| Kg. | Kilogramme |
| MPND | Ministry of Planning and National Development |
| N/A | Not Applicable |
| NASSEP | National Sample Survey and Evaluation Programme |
| NHWMES | National Household Welfare Monitoring and Evaluation Survey |
| ODA | (British) Overseas Development Administration |
| OVP | Office of the Vice – President |
| $P\alpha = 0$ | Head count ratio index |
| $P\alpha = 1$ | Intensity index |
| $P\alpha = 2$ | Severity index |
| PPA | Participatory Poverty Assessment |
| PSU | Primary Sampling Unit |
| RDA | Recommended Daily Allowance/Required Daily Allowance |
| RHBS | Rural Household Budget Survey |
| SAP | Structural Adjustment Programme |
| SDD | Social Dimensions of Development Programme |
| SPAS | Social Policy Advisory Services |
| SSU | Secondary Sampling Unit |
| UHBS | Urban Household Budget Survey |
| UNICEF | United Nations Children's Fund |
| WHO | World Health Organization |
| WMS | Welfare Monitoring Survey |
| WMS I | Welfare Monitoring Survey I |
| WMS II | Welfare Monitoring Survey II |
| WMS III | Welfare Monitoring Survey III |
| - | Not Available |
| Adulteq | Adult equivalent |
| Kshs. | Kenya Shillings |
| Expd | Expenditure |
| 1 hectare (ha) | 2.47 acres |
| 1 US dollar | Kshs. 54.46 (mean exchange rate as at 30 th June 1997) |

FOREWORD

Poverty has been identified as one of the major barriers to human development that needs to be tackled in Kenya. In the second half of the 1980s Kenya introduced structural adjustment programmes (SAPs) primarily to reduce government spending. This entailed cutting expenditure on basic social services and introducing cost sharing for many services, leading to deterioration in welfare. While the poor have always been with us, it was not possible before the 1990s to get documentation on and categorisations of the poor in the form of a clear definition, identification and location in Kenya. The negative impact of SAPs created a need to monitor the welfare of the people in order design programmes and interventions to assist those adversely affected.

Against this background, the Government in collaboration with the World Bank launched the Welfare Monitoring Survey (WMS) series. So far three rounds of the WMS have been undertaken, the first in 1991, while the second and the third were carried out in 1994 and 1997 respectively.

The surveys have been used to assess the poverty situation in the country and have led to more informed and focused debate on how poverty challenges may be tackled. The findings from the first two WMS contributed immensely towards the design of anti poverty policies and interventions contained in *The National Poverty Eradication Plan 1999-2015* and in Kenya's Poverty Reduction Strategy Paper.

This report further assesses the socio economic factors associated with poverty, based on the analysis of the WMS III of 1997. It builds on the findings of the first two WMS and broadens our understanding of the factors that may be responsible for the high poverty levels and vulnerability in the country. The findings indicate for instance that the poor have large households sizes, low levels of attainment of secondary education and low expenditure levels on basic needs.

It is therefore important that the government and its development partners in the country strive to expand economic opportunities for poor people and reduce their vulnerability to sickness, economic shocks, crop failure, unemployment and natural disasters, and help them cope when such misfortunes occur. It is the hope of the government that the information in this report will be helpful as a basis for all the partners in the development process to identify, design and refocus their poverty intervention strategies and programmes in the various parts of the country.

Finally, on behalf of the Government, I would like thank the World Bank for their financial support in conducting the WMS III of 1997 and the Federal Republic of Germany for their financial and technical support in the processing, analysing and publishing this report.

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EXECUTIVE SUMMARY

Introduction

The third Welfare Monitoring Survey was carried out between February and May, and, September and November 1997. Three modules, namely Core, Expenditure and Agriculture, were used to capture the welfare information. The core module included aspects of household demographics, education and health. The expenditure module captured household expenditures on food and non-food items. The agriculture module captured information on farm and non-farm informal enterprises. This report is mainly based on data from the Core and Expenditure modules.

Demographic characteristics

The results of WMS III indicate that Kenya's population structure comprises a very high proportion of young people; about 56 per cent of the total population is below 20 years of age. This group is disproportionately represented amongst the poor, where they account for 58.9 per cent of the population, compared to 52.8 per cent of the non-poor. This population structure requires a high annual investment in the social sectors, notably education and health, just to maintain minimum acceptable living standards.

The gender distribution of household members by poverty status shows no major differences between men and women's poverty status. In rural areas men comprise 48.5 per cent of the poor, women 51.5 per cent, whereas men make up 49 per cent of the non-poor and women 51 per cent. In urban areas the same pattern applies with very minor differences. There are however more poor female-headed households (31.2 per cent) in rural areas than non-poor (29.8 per cent), in urban areas these proportions were 25.5 per cent and 17.3 per cent respectively. Western (37.4 per cent) and Nyanza rural (34 per cent) recorded the highest proportions of poor female-headed households, Nyanza also turned out to have the highest proportion of non-poor female-headed households (41.6 per cent).

Generally poor households have more members than non-poor households. At national level the poor have an average of 5.3 members compared to 4.0 members among the non-poor. Rural poor households recorded a higher mean size of 5.6 members compared to 4.1 members of the urban poor. As for the non-poor, the figures are 4.3 members in rural and 3.1 members in urban. Overall the rural have a higher average (4.9 members) than the urban (3.5 members).

About 45 per cent of the poor and 52 per cent of the non-poor above the age of fifteen are in monogamous unions. More of the rural poor are single (36.5 per cent) than the non-poor (30.8 per cent), and a larger proportion of the rural poor (9.8 per cent) are in polygamous unions than the rural non-poor (7.4 per cent). Regionally, only Rift Valley rural had more than half of its poor and non-poor married monogamously while Coast and Nyanza rural had the highest proportions of poor people in polygamous unions. Among the non-poor, Nyanza and Western had more than 10 per cent of their populations in polygamous unions.

Education

More of the non-poor (86.2 per cent) have attended school than the poor (80 per cent). The highest level of education reached by most of the poor is primary level (63.1 per cent). There is a considerable gap in attendance between rural and urban, with the urban average being well

above 10 per cent higher than the rural average for both the poor and non-poor, indicating that location is important in determining the likelihood of ever having attended school.

Although the percentage of the non-poor with primary level is less (57 per cent) than that of the poor, the former have relatively high numbers with secondary education level. That is, more of the non-poor (22.7 per cent) compared to the poor (11 per cent) advance to secondary education thus leaving a lesser number with primary level. There exist gender differential particularly in secondary education and literacy rates with males having advantage over females. Affordability ranked highest in both poverty categories as the main reason for not being at school. There is need to investigate further "Other reasons" which ranked second among the reasons given for children not being at school.

While there is near parity for primary school level gross and net enrolment for males and females irrespective of poverty status, there are disparities at the secondary school level; males have a higher secondary GER and NER than females. The urban Gross Enrolment Rate (GER) for both the secondary and tertiary level is higher than that for the rural poor and non-poor and more of both the non-poor and poor living in the urban areas are literate compared to those in the rural areas.

Health

The analysis of health indicators shows that a higher percentage of the non-poor households reported being sick compared to the poor. Eastern (23 per cent) and Nyanza (22.5 per cent) reported the highest incidence of sickness for the non-poor. Majority of the poor depend largely on buying drugs from pharmacy or visit public dispensaries when they fall sick while the non-poor visit private doctors and dispensaries. Affordability, minor illness and distance to medical facilities were given as reasons for not using medical care when sick. While affordability and distance to medical facilities were major factors among all the poor households, they were however crucial factors among the rural poor than they were with the urban poor. For the non-poor minor illness was their main reason.

There exist a big disparity between the rural and urban household with respect to accessibility of the health facilities. Majority of the rural poor are more than an hour away from the nearest hospital, with the situation being worse in Eastern and Nyanza rural. The urban households are better placed according to accessibility to health facilities.

The non-poor spent higher than the poor in all health aspects. Generally expenditures were higher in medicine and hospital expenses where non-poor spent eleven times more than the poor. Majority of poor mothers delivered at home whereas the non-poor mothers delivered in hospitals.

Agriculture

The percentage of land-holding sizes differ from province to province with majority of both the poor and non-poor owning/operating less than four acres. Though the figures show that 70 per cent of the urban poor and non-poor own no land, this may not be a true reflection of the situation since most families in the urban areas have rural ties where they own pieces of land, a fact which can be observed with their high purchases of agricultural inputs. On average the non-poor households own more herds of cattle, sheep, goats and pigs than the poor households. A large number of this livestock is held in rural areas.

The rural poor households spend only a third of what the rural non-poor spend on agricultural inputs while in urban the poor spend a fifth of what the non-poor spend. Main items spent on by the rural households include fertilizer; maize seeds and farm labour while the non-poor in urban spend heavily on land purchase, farm labour and other agricultural investments. On informal non-farm enterprises, expenditure on raw materials ranked first among the rural households while expenditure on premises/equipments (rent) featured high among the urban households.

Employment

About 47 per cent of the poor and 57 per cent of the non-poor are gainfully employed. Among poor households employment levels are higher in urban areas (56.6 per cent) than rural areas (44.7 per cent). About 62 per cent and 55 per cent of the non-poor are gainfully employed in urban and rural areas respectively. The private sector as a whole (both formal and informal) employs over 90 per cent of the economically active poor persons while the public sector supports less than 10 per cent. About 80 per cent and 20 per cent of the non-poor are employed in the private and public sectors respectively.

There are fewer women among self-employed persons, own account workers, regular employed persons, and apprentices; rather, women dominate the agriculture sector and the unpaid family worker category. Among poor households, about 71 per cent of unpaid family workers in rural areas and 91 per cent of unpaid family workers in urban areas are women. The proportion of women in the unpaid family worker category among non-poor households is 78.3 per cent and 89.2 per cent for rural and urban areas respectively. Men dominate all other sectors (such as forestry, fishing, manufacturing and so on). There is evidence of differentiation of economic activity among rural and urban populations. In rural areas agriculture is the most important economic activity (43.3 per cent of all activity) while in urban areas sales/services is the most prominent activity (38.3 per cent of all activity).

Expenditure

Expenditure was used as a proxy for income in the derivation of the poverty benchmark. The analysis of mean monthly household expenditure by broad category (food, non-food and total expenditure) shows that non-poor households spend more than double the poor, implying significantly reduced spending opportunities for the poor. Expenditure on food takes more than 70 per cent of the total household budget in rural areas and among the urban poor. The share of own food consumption in total food budget is unexpectedly low (32 per cent) among rural households. Expenditure on maize takes the largest share of the food budget in rural areas and among the poor. The urban non-poor spends around 60 per cent of their total household income on non-food items.

Education takes the highest proportion of the non-food budget at the national level with over a quarter of the poor household's non-food budget going to education expenses. In urban areas house rent takes the highest proportion of the non-food budget. There exist gender differences in expenditure pattern with Female headed households spending less both on food and non-food items.

Household Social Amenities

The WMS III results indicate that firewood is the main source of cooking fuel used by the majority of the population, being utilised by 80 per cent of the poor and 67.8 per cent of the

non-poor households. Paraffin is the second most commonly used source of fuel by the two groups and while the majority of those in the rural areas uses firewood for cooking, a higher proportion of those in urban areas use paraffin. The majority of the consumers of gas and electricity are the non-poor in the urban areas.

The main source of lighting fuel used by the households is paraffin with 92.4 per cent and 83.7 per cent of the poor and non-poor respectively using this source. While over half of the non-poor in the urban areas use electricity as their main source of lighting fuel only 4.4 per cent of the poor use electricity. This could be associated with affordability as well as availability of electricity in the urban areas. There is a significant difference between the poor and non-poor with respect to monthly expenditures on electricity, with the poor spending Ksh.3.60 and the non-poor KShs 97.2.

The survey results showed that a radio is the most commonly owned asset by all households, more so by the poor than non-poor. The second and third ranked assets for the poor are bicycles and sofa sets while for the non-poor it is in the reverse order, however a higher proportion of the non-poor own these assets.

Information on characteristics and ownership of the main dwelling unit shows that over three quarters of the rural households own their dwellings units while majority of urban dwellers rent dwelling units. The national level figures should be interpreted with care as they are biased by rural weight.

The most common material used for roofing by both the poor and non-poor is iron sheets followed by grass/machete, with a higher proportion of the non-poor having iron-sheets, while more of the poor have grass/makuti roofs. Central Province has the highest percentage of the non-poor with iron sheets roofs followed by Eastern. Coast Province has the highest proportion of both the poor and non-poor with grass/makuti roofs.

Water and Sanitation

Access to safe water and safe sanitation varies by poverty status and locality. At the national level, about 43 per cent of poor households and 53 per cent of non-poor households draw their water from safe sources during the dry season. During the wet season, the proportions of poor and non-poor households using safe water are 40.4 per cent and 50.3 per cent respectively. Comparison between poor and non-poor households reveals a greater proportion of the latter utilize piped water in compound and public outdoor tap/borehole than the former during both dry and wet seasons. About 58 per cent of poor households and 72 per cent of non-poor households have access to safe sanitation. Despite the differences between poor and non-poor and rural and urban households, a large proportion of Kenyans use water from unsafe sources and use unsafe sanitary disposal methods.

In terms of time taken to collect water, 56.4 per cent of poor households and 47.8 per cent of non-poor households take between 10 to 29 minutes to collect water during the dry season. During the wet season, 58.4 per cent of poor households take between 10 to 29 minutes while 50.2 per cent of non-poor households take less than 10 minutes, meaning more time is spent collecting water during the dry season. Expenditure on water in non-poor households is three times higher than expenditure on water in poor households. Similarly, the expenditure ratio (rural/urban) among poor households is 1:23 while the equivalent ratio for non-poor households is 1:26.

Child Nutrition

Nationally, the prevalence of stunting was highest (42.3 per cent) for children belonging to the food poor households. This pattern of child malnutrition holds true for children in rural as well as urban areas. Coast rural depicted the highest prevalence of stunting (50.4 per cent) but was followed closely by Eastern and Western rural with 45.8 per cent each, while Nyanza rural had 45.2 per cent. The least proportions of stunted children among the rural non-food poor households were found in Nyanza (31.8 per cent) and Coast rural (32.1 per cent) rural.

Stunting was highest for children belonging to households whose source of water was an unprotected well/rain water, river, lake, pond or public tap/borehole. The analysis also shows that there was low prevalence of child malnutrition among children whose source of water was piped into dwelling/compound and this prevalence was much lower for the non food poor children.

The report shows that the incidence of wasting amongst children even in food poor households is less (5.1 per cent) when the household head has primary education than when the head has no education (8.1 per cent), this is not however reflected in the figures for stunting and being underweight. In the non-food poor households, there are fewer children who are stunted, wasted and underweight when the head of household has at least a primary education.

CHAPTER 1: INTRODUCTION

1.0 Introduction

Governments in industrialised and developing countries alike face the difficult challenge of increasing the welfare of the poorest groups in their societies. Alleviating poverty raises some serious allocation problems with respect to the scarce resources available to any government. It is therefore important for policy makers and planners to have access to the most accurate and up-to-date information about the poor. They need to know who the poor are, where they are located geographically, which groups in society are most in need, what their main problems are, and how the level and nature of poverty has been influenced by government policies.

The *Second Report on Poverty in Kenya* is based on information generated from the third Welfare Monitoring Survey (WMS III) carried out in 1997. Volume I¹ presented the incidence, depth and geographical location of the poor and one of its major findings was that poverty was on the increase in Kenya with about 53 per cent of the population now falling below the poverty line.

This second volume aims to provide detailed socio-economic information on the many different faces of poverty in Kenya. It is not enough to know how many Kenyans are poor; information must also be available with respect to the various social dimensions of poverty, including access to clean water, health facilities or education. An extensive analysis is therefore carried out in this volume that compares social indicators for poor and non-poor households and male and female. Geographically the report will present breakdowns for rural and urban areas, provinces, and districts². This will assist in the design and implementation of effective policies to target specific problems and needs in specific areas.

1.1 History of the Welfare Monitoring Surveys in Kenya

The Welfare Monitoring Survey (WMS) series, initiated in the early 1990s to monitor the possible socio-economic effects of the structural adjustment policy reforms, has played a crucial role in creating awareness about the living conditions of Kenyans. It was through the first and the second WMS in 1992 and 1994 that the government realised how widespread the problem of absolute poverty (estimated then at around 46 per cent) was. This was more severe than had been assumed, and with almost half of all Kenyans living under the poverty line a renewed fight against poverty was launched.

WMS I was conducted amongst a sample of 12,050 households, drawn from 1,205 clusters of the National Sample Survey and Evaluation Programme (NASSEP) III frame, in 44 districts in November/December 1992. Both rural and urban clusters were covered except in Isiolo, Garissa and Mandera districts, where the sampled households were drawn from the urban clusters only and Turkana, Marsabit and Samburu districts, which were excluded in their entirety.

WMS II was launched in June/July 1994 and covered 47 districts, including both urban and rural clusters of the arid and semi-arid districts of Turkana, Isiolo, Mandera, Wajir, Samburu, Garissa and Marsabit. WMS II also included greater detail in the education, income and expenditure modules, in addition to a fertility module, making it more comprehensive in terms

¹ Ministry of Finance and Planning (2000): *Second Report on Poverty in Kenya*, Vol. 1: Incidence and Depth of Poverty, June 2000.

² The district breakdowns are presented in the appendices.

of both coverage and scope. The details of the distribution of the sample and the sampling scheme adopted are presented in the *WMS II Basic Report*³.

WMS III was implemented in two phases to minimize respondent fatigue. The training of enumerators for phase one was carried out from the 9th to 15th February 1997 and the survey, launched immediately after the training, lasted until the first week of May 1997. Training for phase two took place in the last week of August 1997, and field data collection activities started in early September and ended in the last week of November. WMS III had a sample size of 10,873 households drawn from 1,107 clusters of the National Sample Survey and Evaluation Programme (NASSEP III). Efforts to cover the whole country were unsuccessful, primarily due to the lack of adequate resources and insecurity in some districts. It was only possible to capture urban clusters in Garissa and Wajir districts of North Eastern province while nowhere in Mandera was captured. In Rift Valley province, Samburu and Turkana districts were not covered and in Eastern province, rural clusters in Isiolo were not captured. Unfortunately, these districts are among the worse off in terms of poverty because of frequent drought and problems of accessibility. The contents of WMS III were much broader than the earlier surveys but excluded the fertility module, which was to be covered in greater detail during the 1998 Kenya Demographic and Health Survey (KDHS III).

1.2 Comparison of the Results of different rounds in the WMS Series

Strict comparison of the results of the various welfare monitoring surveys may not be possible since differences in the results may not be wholly attributable to changes in the living standards. This is due to the fact that each of the three series differed with respect to the timing of the survey administration and questionnaire contents. The accuracy of the results could also be affected by sampling and non-sampling errors.

The season in which the survey is conducted has an effect on the results since the availability or non-availability of food is an important factor in determining prices and the purchasing power of the poor. The three rounds of the WMS have been carried out at different times of the year.

Furthermore, there has been a deliberate attempt to improve on the questionnaires in each survey. The questionnaire for WMS III gathered information on more non-food items consumed, particularly by urban wage earners, than in WMS II, in addition, items were much more disaggregated. For instance, previously combined bathing soap and detergents were split, as were expenditures on transport, which were divided into car repairs, bicycle repairs fares on taxis and buses/matatus and other transport expenditures. Expenditures on Home repairs were captured for the first time while expenditures on domestic workers were this time captured, both in cash and in kind.

Education expenditure was also made more detailed and included primary, secondary and post secondary fees, uniforms, books, transport, feeding, boarding expenses, *harambee*, and other educational expenses. The capture of medical expenses was also improved to include doctor's fees, medicine bought over the counter, hospitalisation and other medical expenses. Expenditure on household assets was improved to capture expenditures on linen, furniture, cars, bicycle, cart, radio, television, kitchen equipments, lamp and torch, and other household assets.

³ Central Bureau of Statistics and Office of the Vice-President and Ministry of Planning and National Development (1996): *Welfare Monitoring Survey II, 1994, Basic Report*, Nairobi.

One of the non-sampling errors that the series may have is under- or overestimation of household incomes and expenditures, resulting from the use of reported weekly expenditures to estimate monthly expenditures. There is also the possibility of misunderstanding in expenditure questions on the part of the interviewer and the respondents, for instance, in reporting own consumption, respondents may give what they have in stock rather than what they consume of that stock in a week.

1.3 Level of Disaggregation

The sampling frame used for the WMS series does not allow analysis to be disaggregated to smaller units of administration like division or location. The district level is not ideal for poverty analysis because districts are not internally homogeneous with respect to general living standards and conditions. There may be significant differences within a district, which will need further examination.

It should also be noted that a survey like the WMS series exclusively covers people living in 'households', and does not contain any analysis of intra-household poverty. This focus on household also means that some groups, particularly in the urban society, living in the most desperate conditions simply escape the sampling frame because they are either not living in identifiable households or are difficult to reach for the enumerators, for instance beggars, street children and groups of women in destitute conditions. As the 'non-household' cases are expected to be more frequent in an urban environment, computed urban poverty will, all other things being equal remain understated.

1.4 A glance at findings of previous studies on poverty

The first attempt to estimate rural poverty in Kenya was done in 1974 using the Integrated Rural Survey I (IRS I). Subsequent studies have used varying measures of poverty, and consequently reached different aggregate levels of poverty in Kenya. This can easily be attributed to the differences in the concepts and methodological approaches used to determine poverty levels. For instance, some studies have used subsistence farmer as the basis for establishing poverty line while others are based on income earnings falling below a certain threshold. In addition one should not forget that the underlying levels of poverty are likely to have changed over the years. Table 1.1 shows various studies carried out to measure poverty levels in different periods.

Table 1.1: Poverty estimates in Kenya

| Author | Source | Poverty line | Poverty incidence |
|-----------------------------------|--|---|---|
| FAO (1977) | Food Balance sheet (1972-74) | 2,137 calories | 30 per cent of the population |
| Crawford & Thorbecke (1974/75) | Integrated Rural Survey I, 1974/75 (IRS I) | KShs. 2,200 for small holder farmers | 38.5 per cent |
| Collier & Lal (1980) | IRS I, 1974/75 Small holder farmers | KShs. 2,200 | 34.2 per cent of small holder farmers 29 per cent of population |
| Vandermoortele (1982) | IRS I, 1974/75; Nairobi Hhold Budget Survey 1974; Social accounting Matrix | KShs 2,269 small holder farmers; KShs. 3,836 urban hholds | 33.1 per cent – small holder 15.3 per cent urban Hholds |
| Crawford & Thorbecke (1980) | IRS II, 1977 | KShs 310 per adult equivalent KShs. 1,570 per household | 25 per cent of Hholds |
| Greer & Thorbecke (1986) | IRS II, 1977 | KShs 310 per adult equivalent, adjusted for tastes and preferences. | 38.6 per cent of small holder Hholds |
| Jamal (1981) | | Rural Hholds KShs 238 per month Urban Hholds KShs 208 per month | 32 per cent of population |
| Bigsten (1987) | National Accounts (1976) | KShs 1,000 per worker per month | 40 per cent of population |
| World Bank (1991) | 1981/82 Rural Household Budget survey and complementary statistics | KShs. 3,167 for small holders | 22 percent |
| Gok/ Consultant (J.T Mukui, 1994) | 1981/82 Rural Household Budget survey 1992 Welfare Monitoring survey (WMS I) | 1981/82 KShs 105.94; 1992 Rural KShs 484.98; 1992 Urban KShs 1,009.70. | 1981/82 – 47.89 per cent 1992 Rural 46.33 1992 Urban 29.29 per cent (Nairobi & Mombasa) |
| GoK (1997) | WMS II, 1994 | Rural KShs. 978.27 Urban 1,489.63 | Rural 46.75 per cent Urban 28.95 per cent |
| GoK (2000) | WMS III, 1997 | Rural KShs 1,238.86 Urban KShs. 2,648.04 | Rural 52.93 per cent Urban 49.20 per cent |

CHAPTER 2: DEMOGRAPHIC CHARACTERISTICS

This chapter examines the differences in poverty levels with respect to age, gender, marital status and household size.

2.1 Age and Sex

The structure of the population plays an important role in every society, for example, the sex and age of the population forms the basis for the division of labour and housing requirements. In view of the diversity of roles and needs, as established in each community or society, variations in the composition of a population by sex and age can thus have far-reaching economic, social and political implications. Table 2.1 presents the per cent distribution of the surveyed population by standard age groups and by poor and non-poor, it also gives the total number in the country for each age group

Table 2.1 Total Population by Age group and Poverty

| Age Group | Poor | | Non-poor | | Total | |
|-----------|------------|-------|------------|-------|------------|-------|
| | N | % | n | % | N | % |
| 0-4 | 1,705,446 | 12.9 | 1,714,028 | 14.2 | 3,419,474 | 13.5 |
| 5-9 | 2,192,550 | 16.6 | 1,674,934 | 13.9 | 3,867,484 | 15.3 |
| 10-14 | 2,607,725 | 19.8 | 2,000,876 | 16.6 | 4,608,601 | 18.3 |
| 15-19 | 1,266,993 | 9.6 | 976,465 | 8.1 | 2,243,458 | 8.9 |
| 20-24 | 1,099,919 | 8.3 | 1,043,020 | 8.7 | 2,142,939 | 8.5 |
| 25-29 | 744,663 | 5.6 | 973,820 | 8.1 | 1,718,483 | 6.8 |
| 30-34 | 634,542 | 4.8 | 811,677 | 6.7 | 1,446,219 | 5.7 |
| 35-39 | 675,018 | 5.1 | 727,422 | 6.0 | 1,402,440 | 5.6 |
| 40-44 | 527,713 | 4.0 | 523,524 | 4.3 | 1,051,237 | 4.2 |
| 45-49 | 487,592 | 3.7 | 448,245 | 3.7 | 935,837 | 3.7 |
| 50-54 | 343,439 | 2.6 | 317,334 | 2.6 | 660,773 | 2.6 |
| 55-59 | 246,569 | 1.9 | 256,939 | 2.1 | 503,508 | 2.0 |
| 60-64 | 204,220 | 1.5 | 181,695 | 1.5 | 385,916 | 1.5 |
| 65 + | 451,020 | 3.4 | 406,835 | 3.4 | 857,855 | 3.4 |
| Total | 13,187,409 | 100.0 | 12,056,814 | 100.0 | 25,244,223 | 100.0 |

It can be observed from the table that Kenya's population structure has a very high proportion of young people, a factor that determines dependency ratio. Overall, the population aged below 20 accounts for 56 per cent of the total, this age group is disproportionately represented amongst the poor (58.9 per cent compared to 52.8 per cent of the non-poor).

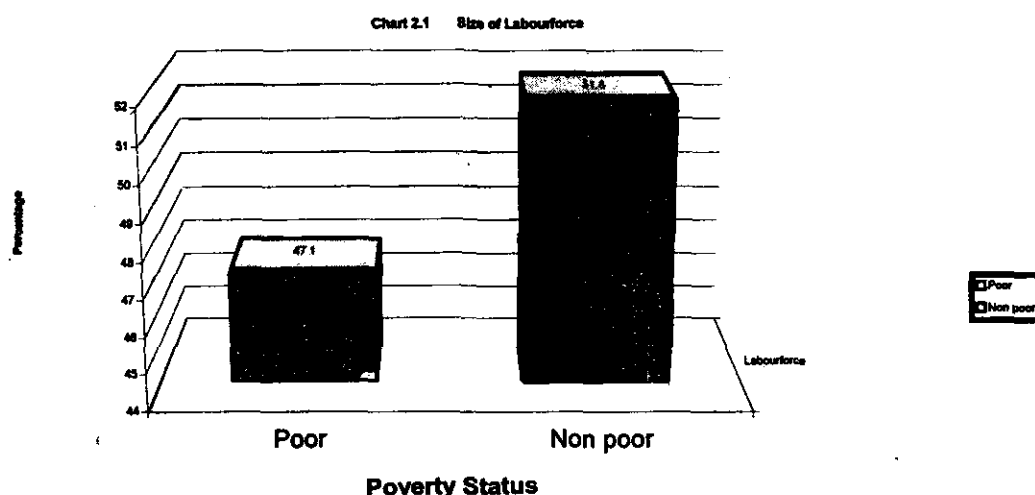
The age structure of the population also determines the composition and consumption levels of various goods and services, both at the household and national levels because different ages have different needs. A very young population will require the production of goods and services that are consumed by young people, such as education and health.

The size of the reproductive female population (age 15-49) determines the crude birth rate, the rate of population growth and the demand for health services. In addition having such a young population implies that the country has a very large proportion of school age going children, meaning the greater the proportion of national income that must be spent on educational facilities and teaching personnel. Many developing countries, like Kenya, face difficulties in raising adequate resources to finance social sectors investment, which can take a very long period to give returns. This pattern of expenditure in an economy may also end up crowding out the productive sectors and stifle the growth of the economy.

A high proportion of young people in a population implies that the labour force (age 15 to 64) is small, this may constrain production growth and at the same time reduce the rate of growth of per capita income, due to high dependency. It also has a negative effect on savings, and lack of adequate savings in an economy can lead to low investment and high interest rates. There is also the possibility of having a shortage of skilled labour that may reduce/constrain production from the household level to the national economy.

At the household level, very many children combined with few working adults implies a high dependency ratio, a factor that also influences the well-being of household members, for example, a subsistence family, dependent on agriculture, will require more labour to produce adequate food for the household.

The breakdown of the total population by age shows that the overall size of the labour force (ages 15-64) covered by the WMS III of 1997 was 49.5 per cent. The corresponding size for the non-poor is higher (51.8 per cent) than that of the poor (47.1 per cent) implying that the poor have a relatively smaller labour force (see Chart 2.1 below).



2.2 Distribution of Household Members by Poverty

Table 2.2 shows the distribution of the population by poverty, location and gender. The overall distribution of household members shows that for urban/rural and poor/non-poor, there are more women in all categories than men, except in the non-poor urban grouping, however the differences are not very large, the proportion of male poor in rural areas is 48.5 per cent while for the non-poor it is 49 per cent, the figures are somewhat similar in urban areas, where males account for 49.3 per cent of the poor, but 51.5 per cent of the non-poor.

Regionally, Coast rural, Rift Valley rural and all Urban areas combined have a higher proportion of female members amongst the poor and a higher proportion of males amongst the non-poor, in the other rural areas the proportion of females is higher for both the poor and non-poor. In the urban areas, Mombasa reflects the pattern of Coast province where there are more female members among the poor and more male members among the non-poor; in Nairobi there are more males in both the poor and non-poor groups, whereas Kisumu, which has more poor males, has a greater number of non-poor females. The details of district breakdowns are presented in Annex 2.2

Table 2.2 Regional distribution of Household Members by Sex and Poverty

| Region | Poor | | | Non-Poor | | |
|----------------------|------------|-------|--------|------------|------|--------|
| | N | Male | Female | N | Male | Female |
| Central rural | 1,122,485 | 48.4 | 51.6 | 2,464,684 | 48.4 | 51.6 |
| Coast rural | 860,701 | 46.9 | 53.1 | 535,947 | 53.2 | 46.8 |
| Eastern rural | 2,260,472 | 48.9 | 51.1 | 1,631,738 | 48.8 | 51.2 |
| Nyanza rural | 2,630,855 | 47.4 | 52.6 | 1,580,697 | 45.6 | 54.4 |
| R.Valley rural | 2,656,993 | 49.0 | 51.0 | 2,673,712 | 50.9 | 49.1 |
| Western rural | 1,690,036 | 49.2 | 50.8 | 1,192,420 | 47.0 | 53.0 |
| Rural | 11,221,542 | 48.5 | 51.5 | 10,079,199 | 49 | 51 |
| Urban | 1,965,867 | 49.3 | 50.7 | 1,977,615 | 51.5 | 48.5 |
| Nairobi | 946,699 | 51.40 | 48.60 | 913,089 | 54.5 | 45.5 |
| Mombasa | 216,090 | 48.20 | 51.80 | 333,788 | 53.4 | 46.6 |
| Kisumu | 134,065 | 50.50 | 49.50 | 79,079 | 49.7 | 50.3 |
| Nakuru | 113,674 | 47.90 | 52.10 | 162,149 | 50.3 | 49.7 |
| Other towns combined | 555,339 | 48.70 | 51.30 | 489,511 | 49.8 | 50.2 |
| Nation | 13,187,409 | 48.80 | 51.20 | 12,056,814 | 49.4 | 50.6 |

2.3 Household Headship by Gender

The head of the household is the key decision maker, making all major decisions within the household while other members acknowledge his/her authority. It should however be noted that the fact that one is the main economic provider is not necessarily the most relevant criterion for identifying the household head. Age often plays a more important role, as the oldest adult male often is considered to be the head of the household. In a number of households the person recognised as being the household head is not a regular resident member of the household. Examples include the polygamous husband who may be the head of several households, or the husband who has migrated to the city leaving his family behind in the village.

Table 2.3 presents the distribution of household heads by gender and poverty. Women head more poor households than non-poor ones; 31.2 per cent of poor households in rural areas and 25.5 per cent of poor households in urban areas are female headed, this compares to figures for the non-poor households where 17.3 per cent in urban areas and 29.8 per cent in rural areas were female headed.

In the rural areas, the provinces recording the highest proportions of poor female-headed households were Western (37.4 per cent) and Nyanza (34 per cent). Interestingly, Nyanza also turned out to have the highest proportion of non-poor female-headed households (41.6 per cent). In urban areas, Nairobi had more than a quarter (28.3 per cent) of its poor households headed by females.

The following districts had the highest proportions of poor female headed households: Machakos (51.8 per cent), Vihiga (49.8 per cent), Taita Taveta (48.5 per cent) and Nyandarua (45.9 per cent). Annex 2.3 presents the position of other districts covered by the survey.

Table 2.3 Household Headship by Gender and Poverty (%)

| Region | Poor | | | Non-Poor | | |
|----------------------|-----------|-----------|-------------|-----------|-----------|-------------|
| | N | Male Head | Female Head | N | Male Head | Female Head |
| Central rural | 213,415 | 67.7 | 32.3 | 623,638 | 69.5 | 30.5 |
| Coast rural | 134,769 | 72.9 | 27.1 | 126,826 | 78.4 | 21.6 |
| Eastern rural | 378,345 | 66.4 | 33.6 | 334,615 | 74.5 | 25.5 |
| Nyanza rural | 497,006 | 65.6 | 34.4 | 388,033 | 58.4 | 41.6 |
| R.Valley rural | 479,823 | 77.5 | 22.5 | 615,300 | 78.2 | 21.8 |
| Western rural | 307,028 | 62.6 | 37.4 | 273,161 | 61.8 | 38.2 |
| Total Rural | 2,010,386 | 68.8 | 31.2 | 2,361,573 | 70.2 | 29.8 |
| Total Urban | 478,552 | 74.5 | 25.5 | 635,328 | 82.7 | 17.3 |
| Nairobi | 231,042 | 71.7 | 28.3 | 271,771 | 89.0 | 11.0 |
| Mombasa | 52,126 | 79.8 | 20.2 | 106,004 | 86.3 | 13.7 |
| Kisumu | 30,796 | 76.3 | 23.7 | 22,947 | 76.4 | 23.6 |
| Nakuru | 26,378 | 75.4 | 24.6 | 52,963 | 79.1 | 20.9 |
| Other Towns Combined | 138,208 | 76.7 | 23.3 | 181,643 | 73.1 | 26.9 |
| Nation | 2,488,938 | 69.9 | 30.1 | 2,996,900 | 72.9 | 27.1 |

2.4 Mean Household Size

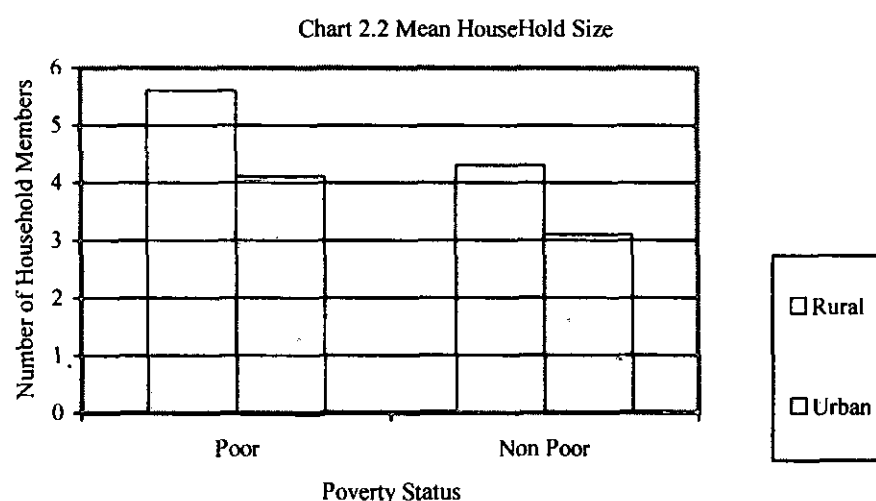
Table 2.4 displays the distribution of households by poverty and mean household size. Overall, poor households had a large mean household size of 5.3. While the national mean household size stood at 4.6, the rural poor households had a significantly higher mean size of 5.6 members. The poor urban households had 4.1 members while non-poor households had 3.1 members.

With respect to individual areas, Coast province and Kisumu urban had the highest household sizes for the poor, with 6.4 and 4.4 members respectively; in the non-poor category Eastern in rural areas and Nairobi and Kisumu in urban areas registered the highest mean household sizes. The general trend is that there are more members among poor households than non-poor households.

Table 2.4 Mean Household Size by Poverty

| Province/Urban Area | Number of Households | Mean Household Size | | |
|----------------------|----------------------|---------------------|----------|-----|
| | | Poor | Non-Poor | All |
| Central rural | 837,053 | 5.3 | 4.0 | 4.3 |
| Coast rural | 261,595 | 6.4 | 4.2 | 5.3 |
| Eastern rural | 712,960 | 6.0 | 4.9 | 5.5 |
| Nyanza rural | 885,039 | 5.3 | 4.1 | 4.8 |
| R.Valley rural | 1,095,123 | 5.5 | 4.3 | 4.9 |
| Western rural | 580,189 | 5.5 | 4.4 | 5.0 |
| Total Rural | 4,371,959 | 5.6 | 4.3 | 4.9 |
| Total Urban | 1,113,880 | 4.1 | 3.1 | 3.5 |
| Nairobi | 502,814 | 4.1 | 3.4 | 3.7 |
| Mombasa | 158,131 | 4.1 | 3.1 | 3.5 |
| Kisumu | 53,743 | 4.4 | 3.4 | 4.0 |
| Nakuru | 79,341 | 4.3 | 3.1 | 3.5 |
| Other Towns Combined | 319,851 | 4.0 | 2.7 | 3.3 |
| Nation | 5,485,839 | 5.3 | 4.0 | 4.6 |

In terms of rural-urban differences, rural areas have a mean household size that is greater (4.9) than that of urban (3.5) and the difference is even more clear when the non-poor in rural areas are compared with their counterparts in urban areas.



Annex 2.4 shows that six districts registered the highest mean household size of over 6.5 members among the poor. These were Kilifi, Lamu, Tana River, Bunguma, Uasin Gishu and Migori. The highest mean household size for the non-poor was recorded in Nyambeni (6.3 members) and Tana River (5.9 members).

In Table 2.5a three household size categories are used to group the population by non-poor and poor and region/place of residence. For all areas, except Mombasa, there is a greater proportion of poor than non-poor households with over 7 members, for all areas, there is a greater proportion of non-poor households with between less than three members. Generally, there are more smaller households amongst the ranks of the non-poor than the poor.

Table 2.5a Distribution of Households by Size and Poverty (%)

| Region | Number of Households | Poor | | | Non Poor | | | |
|-----------------|----------------------|------|------|------|-----------|------|------|------|
| | | 1-3 | 4-6 | 7 + | N | 1-3 | 4-6 | 7+ |
| Central rural | 213,415 | 26.7 | 45.1 | 28.2 | 623,638 | 46.5 | 38.6 | 14.9 |
| Coast rural | 134,769 | 17.9 | 36.6 | 45.5 | 126,826 | 45.9 | 32.5 | 21.6 |
| Eastern rural | 378,345 | 17.6 | 40.8 | 41.5 | 334,615 | 33.2 | 39.2 | 27.6 |
| Nyanza rural | 497,006 | 26.5 | 43.0 | 30.5 | 388,033 | 43.5 | 41.1 | 15.4 |
| R. Valley rural | 479,823 | 22.5 | 40.9 | 36.6 | 615,300 | 41.5 | 37.1 | 21.4 |
| Western rural | 307,028 | 26.8 | 37.6 | 35.5 | 273,161 | 44.2 | 35.1 | 20.8 |
| Total Rural | 2,010,386 | 23.4 | 41.1 | 35.5 | 2,361,573 | 42.5 | 38.0 | 19.5 |
| Total Urban | 478,552 | 41.2 | 43.9 | 14.9 | 635,328 | 63.5 | 28.5 | 8.0 |
| Nairobi | 231,043 | 38.7 | 45.8 | 15.6 | 271,771 | 59.0 | 31.9 | 9.0 |
| Mombasa | 52,127 | 35.7 | 53.5 | 10.8 | 106,004 | 69.3 | 19.2 | 11.5 |
| Kisumu | 30,796 | 32.9 | 51.9 | 15.2 | 22,947 | 51.4 | 36.1 | 12.4 |
| Nakuru | 26,378 | 41.6 | 41.9 | 16.6 | 52,963 | 62.7 | 30.7 | 6.7 |
| Other Towns | 138,208 | 49.2 | 35.7 | 15.2 | 181,643 | 68.4 | 27.2 | 4.5 |
| Nation | 2,488,938 | 26.8 | 41.6 | 31.6 | 2,996,901 | 47.0 | 36.0 | 17.1 |

Over 70 per cent of poor households in Tana River district had seven members or more. Among the non-poor, Nyambei district had the highest proportion of households (45.7 per cent) with seven or more household members. Annex 2.5a presents the details of the above information by district.

2.5 Marital Status

Tables 2.5b and 2.5c below show the distribution of the population by marital status and poverty levels.

Table 2.5b Distribution of Poor Household Members (over 15 years) by Marital Status (%)

| Region | N | Married Mono | Married Poly | Divorced/ Separated | Widowed | Single |
|-----------------|-----------|--------------|--------------|---------------------|---------|--------|
| Central rural | 640,711 | 44.8 | 1.9 | 2.7 | 6.2 | 44.4 |
| Coast rural | 443,929 | 42.6 | 17.6 | 4.0 | 6.0 | 29.9 |
| Eastern rural | 1,202,667 | 43.0 | 8.5 | 2.4 | 6.6 | 39.4 |
| Nyanza rural | 1,390,680 | 42.5 | 15.1 | 1.0 | 7.9 | 33.5 |
| R. Valley rural | 1,323,984 | 50.2 | 6.8 | 2.5 | 5.6 | 34.9 |
| Western rural | 861,525 | 44.3 | 9.3 | 2.4 | 6.8 | 37.1 |
| Total Rural | 5,863,497 | 44.9 | 9.8 | 2.3 | 6.6 | 36.5 |
| Total Urban | 1,190,888 | 53.2 | 4.1 | 3.4 | 2.0 | 37.3 |
| Nairobi | 602,848 | 50.7 | 3.4 | 3.9 | 0.9 | 41.1 |
| Mombasa | 129,969 | 49.9 | 5.6 | 4.1 | 5.3 | 35.0 |
| Kisumu | 73,726 | 57.6 | 5.8 | 1.7 | 3.7 | 31.1 |
| Nakuru | 65,754 | 53.6 | 1.6 | 4.2 | 3.5 | 37.1 |
| Other Towns | 318,591 | 58.1 | 4.7 | 2.4 | 2.1 | 32.6 |
| Nation | 7,054,385 | 46.3 | 8.8 | 2.5 | 5.8 | 36.6 |

N refers to the total population aged 15 and above

Overall, about 46 and 54 per cent of the poor and non-poor aged 15 and above were married monogamously, in the rural areas only Rift Valley had more than half of its poor and non-poor married monogamously. Urban areas have, for both categories, a higher proportion of monogamous unions; close to 60 per cent of non-poor urban dwellers compared to about 53 per cent of the poor are of this marital status.

Polygamous unions are more common among rural dwellers and the poor. A slightly larger proportion of the rural poor (9.8 per cent) were in polygamous unions than the rural non-poor (7.4 per cent), in urban areas the poor have a higher proportion (4.1 per cent) of people in polygamous unions than the non-poor (2.8 per cent). Regionally, Coast and Nyanza had the highest proportions of poor people in polygamous unions, and among the non-poor, Nyanza and Western had more than 10 per cent of their respective populations in polygamous unions. At a district level, Annex 2.5b shows that Kilifi, Homa Bay, Migori and Transmara had the highest proportions, of over 20 per cent, among the poor being in polygamous unions. For the non-poor category, West Pokot and Migori reported the highest proportions of non-poor engaged in polygamous unions.

Table 2.5c Distribution of non-poor Household Members (over 15 years) by Marital Status (%)

| Region | N | Married Mono | Married Poly | Divorced/ Separated | Widowed | Single |
|----------------|-----------|-----------------|-----------------|------------------------|---------|--------|
| Central rural | 1,462,757 | 54.6 | 2.4 | 3.1 | 6.3 | 33.7 |
| Coast rural | 302,163 | 55.2 | 7.1 | 4.4 | 5.2 | 28.1 |
| Eastern rural | 864,453 | 55.0 | 5.6 | 2.2 | 5.8 | 31.4 |
| Nyanza rural | 864,042 | 46.0 | 15.1 | 2.2 | 11.4 | 25.2 |
| R.Valley rural | 1,404,819 | 54.9 | 7.8 | 2.4 | 4.4 | 30.4 |
| Western rural | 682,817 | 49.3 | 10.4 | 1.8 | 5.5 | 33.1 |
| Total Rural | 5,581,050 | 52.8 | 7.4 | 2.6 | 6.4 | 30.8 |
| Total Urban | 1,354,070 | 59.3 | 2.8 | 2.7 | 1.5 | 33.7 |
| Nairobi | 655,131 | 58.8 | 3.1 | 0.8 | 1.3 | 35.9 |
| Mombasa | 226,397 | 62.4 | 1.8 | 4.9 | 1.9 | 29.1 |
| Kisumu | 46,204 | 54.2 | 9.1 | 3.2 | 2.4 | 31.1 |
| Nakuru | 101,804 | 60.3 | 2.7 | 3.0 | 1.7 | 32.3 |
| Other Towns | 324,533 | 58.5 | 1.9 | 4.7 | 1.5 | 33.4 |
| Nation | 6,935,120 | 54.1 | 6.5 | 2.6 | 5.4 | 31.4 |

N refers to the population aged 15 and above

More of the rural poor are single (36.5 per cent) compared to the rural non-poor (30.8 per cent). The rural poor have the lowest proportions married among all groups, a factor that can be partially explained by the migration of men to urban areas in search of employment. The Non-poor in Mombasa have the highest proportion of those separated/divorced while the poor registered the highest proportion of widowed members.

CHAPTER 3: EDUCATION

3.0 Introduction

Education is widely recognised as a vehicle towards achieving national development goals. It plays an important role in Human Development through the process of empowering people to improve their well being and to participate actively in nation building (HDR, 1998). Education strengthens people's abilities to meet their needs and those of their families by increasing their productivity and potential to achieve higher standards of living and thereby improve their quality of life. There is also an increased awareness that education is one of the most valuable means of achieving gender equality and the empowerment of women to enable them take advantage of the opportunities around them.

Past studies have shown that there is a relationship between poverty levels and the education of the household head. Volume One of this report shows that household heads with no education at all reported the highest incidences of poverty in both the rural and urban areas. It was also established that poverty in Kenya generally decreases as the head's level of education increases.

This chapter endeavours to give an in depth analysis of the 1997 welfare monitoring survey data on education relating key indicators to the poor and non-poor groups in the country. The education indicators examined in this chapter include: proportion of population who ever attended school, highest level of education reached, reasons for ever or never attending school, gross enrolment rates, net enrolment rates and literacy levels. These indicators are cross-classified by poverty levels and tabulated by region and gender where possible.

3.1 Population Ever Attended School

In WMS III, the question of ever having attended school was applied to anybody who was aged six years and above. Table 3.1 indicates that while the proportion of both the non-poor and poor who ever attended school was much higher than those who never attended, more of the poor (20.1 per cent) fall into this latter category than the non-poor (13.8 per cent).

Table 3.1: Household Members who ever Attended School (%)

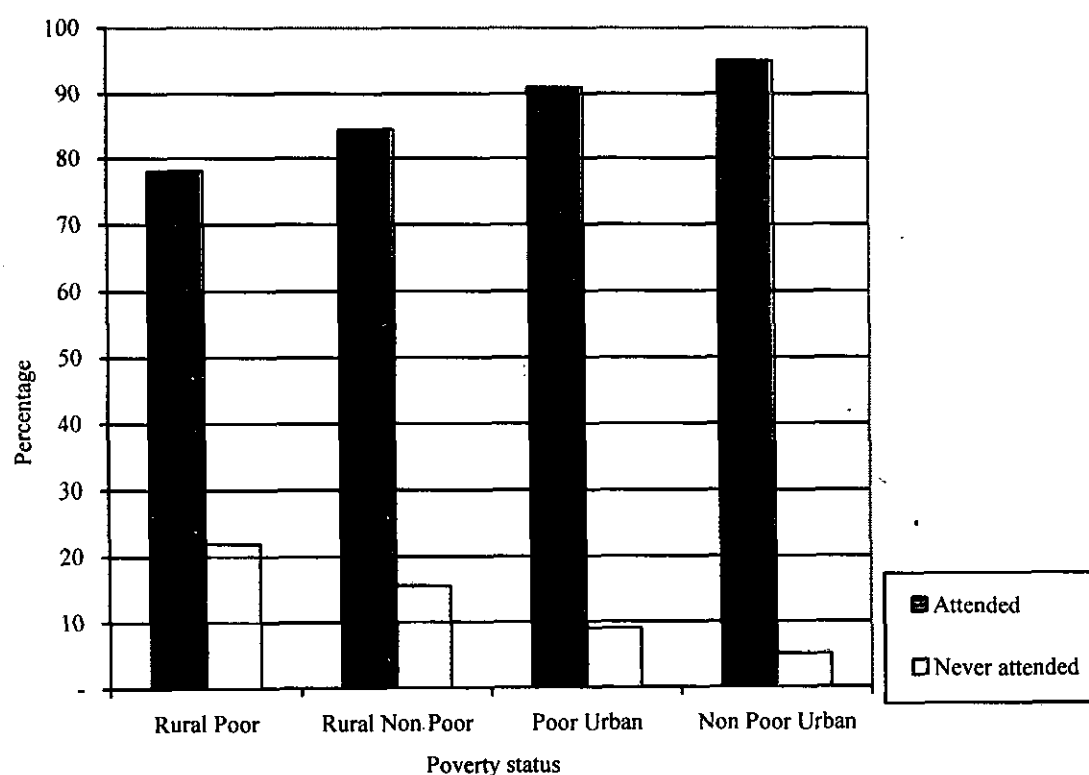
| Region | Poor | | Non Poor | |
|--------------------|-------------|----------------|-------------|----------------|
| | Attended | Never Attended | Attended | Never Attended |
| Central Rural | 88.0 | 12.0 | 90.5 | 9.5 |
| Coast Rural | 58.3 | 41.7 | 72.3 | 27.7 |
| Eastern Rural | 78.4 | 21.6 | 83.8 | 16.2 |
| Nyanza Rural | 78.7 | 21.3 | 82.0 | 18.0 |
| Rift Valley Rural | 76.9 | 23.1 | 82.1 | 17.9 |
| Western Rural | 81.8 | 18.2 | 86.6 | 13.4 |
| Total Rural | 78.1 | 21.9 | 84.5 | 15.5 |
| Total Urban | 91.0 | 9.0 | 95.0 | 5.0 |
| Nairobi | 93.7 | 6.3 | 97.0 | 3.0 |
| Mombasa | 84.4 | 15.6 | 92.2 | 7.8 |
| Kisumu | 92.9 | 7.1 | 95.4 | 4.6 |
| Nakuru | 91.5 | 8.5 | 95.1 | 4.9 |
| Other Urban | 88.4 | 11.6 | 93.0 | 7.0 |
| Nation | 79.9 | 20.1 | 86.2 | 13.8 |

The gap (except for Coast Rural) is surprisingly narrow, given that the poor have larger family size and will therefore find the private cost of education disproportionately high.

The analysis shows that there are wide regional differences reported within both the poor and non-poor group. Nairobi reported the highest proportion who ever attended school, 97 per cent of the non-poor and 93.8 per cent of the poor, whereas Coast Rural recorded the lowest averages for both categories (58.3 per cent of the poor, 72.3 per cent of the non-poor). A look at individual districts (see Annex 3.1) shows Pokot District as the only one with less than half of its poor population who ever attended school. Interestingly, in Tana River District, the percentage of the poor who ever attended school (53.5 per cent) is higher than that of the non-poor (39.1 per cent).

A considerable gap between rural and urban attendance exists, with the urban average being well above 10 per cent higher than the rural average for both the non-poor and poor categories. It is notable that the percentage of the urban poor (91.0 per cent) who ever attended school is higher than the corresponding percentage for the rural non-poor (84.5 per cent), indicating that whether a person lives in a rural or urban area is an important determinant of the likelihood of ever attending school. This is depicted in chart 3.1.

Chart 3.1: Distribution of Household Members who Attended or Never attended School



3.2 Highest Level of education reached

Table 3.2 shows that a higher proportion of the poor, 25.4 per cent compared to 18.2 per cent of the non-poor had no education. The table further reveals that the majority of respondents had had only attended primary school. As expected, a higher proportion of the poor, 63.1 per

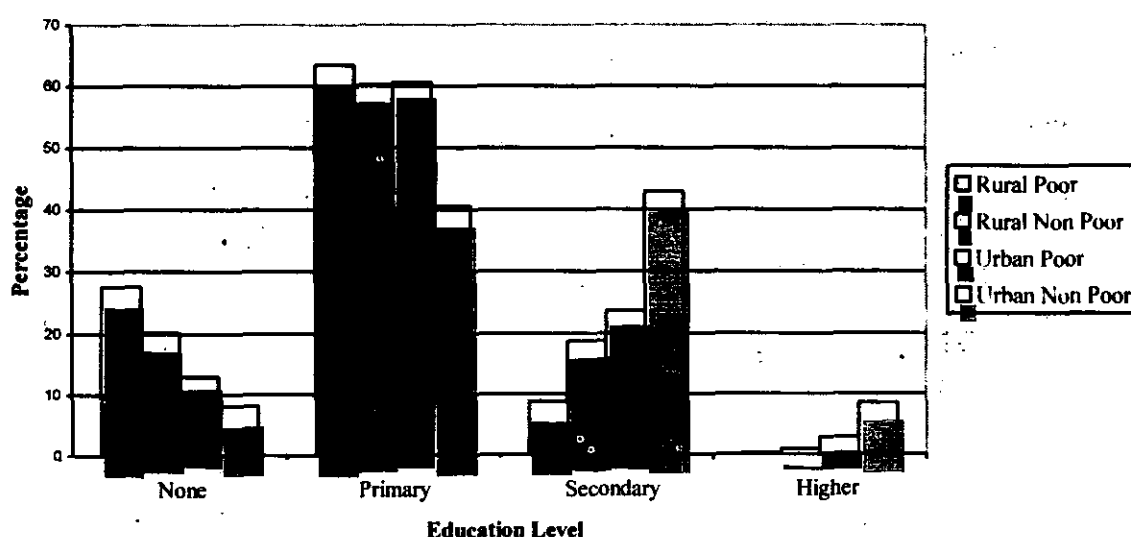
cent compared to 57 per cent for the non-poor, reported Primary level as the highest level of education reached.

Table 3.2: Distribution of household members by level of education attained (%)

| Region | Poor | | | | Non Poor | | | |
|-------------------|------|---------|-----------|--------|----------|---------|-----------|--------|
| | None | Primary | Secondary | Higher | None | Primary | Secondary | Higher |
| Central Rural | 17.2 | 72.3 | 10.5 | 0.0 | 13.7 | 63.1 | 22.1 | 1.0 |
| Coast Rural | 47.1 | 48.4 | 4.2 | 0.3 | 30.0 | 54.9 | 14.1 | 0.9 |
| Eastern Rural | 27.2 | 64.0 | 8.4 | 0.4 | 21.4 | 61.4 | 16.2 | 1.0 |
| Nyanza Rural | 27.3 | 61.7 | 10.9 | 0.1 | 24.3 | 57.0 | 18.3 | 0.4 |
| Rift Valley Rural | 29.2 | 64.4 | 6.3 | 0.1 | 22.5 | 59.3 | 17.3 | 0.9 |
| Western Rural | 23.0 | 66.0 | 10.9 | 0.1 | 17.4 | 61.0 | 20.7 | 1.0 |
| Total Rural | 27.6 | 63.5 | 8.8 | 0.2 | 20.2 | 60.2 | 18.7 | 0.9 |
| Total Urban | 12.9 | 60.6 | 23.6 | 2.9 | 8.1 | 40.6 | 42.9 | 8.5 |
| Nairobi | 9.6 | 64.7 | 21.3 | 4.5 | 5.4 | 39.8 | 42.4 | 12.4 |
| Mombasa | 19.0 | 60.3 | 20.7 | 0.0 | 9.6 | 40.8 | 46.4 | 3.2 |
| Kisumu | 14.5 | 59.2 | 24.6 | 1.8 | 5.2 | 49.3 | 39.8 | 5.7 |
| Nakuru | 14.6 | 53.9 | 29.3 | 2.2 | 13.2 | 41.7 | 40.1 | 5.0 |
| Other urban | 15.7 | 55.2 | 27.3 | 1.7 | 11.1 | 40.1 | 42.8 | 6.0 |
| Nation | 25.4 | 63.1 | 10.9 | 0.6 | 18.2 | 57.0 | 22.7 | 2.1 |

For Secondary Education there are marked differences between the poor and non-poor. Only about 11 per cent of the poor manage to reach secondary school compared to 22.7 per cent of the non-poor. This could be due to the fact that there are higher costs attached to secondary school education as opposed to primary education. The results could suggest that the level of education reached is related to poverty, or, that achieving secondary education is an effective escape route from poverty.

Chart 3.2: Highest Levels of Education by Poverty Group



Looking at the comparable figures for rural and urban areas (and chart 3.2) the urban non-poor and poor categories are more likely to reach secondary school and post-secondary level than both categories in the rural areas. The proportion of those reaching secondary education in the

urban areas is given as 42.9 per cent and 23.6 per cent for the non-poor and poor categories respectively as opposed to 18.7 per cent and 8.8 per cent for the non-poor and poor in the rural areas. For poor households Nakuru and Kisumu recorded the highest percentage of those who reached secondary level, for the non-poor Mombasa and Nairobi were highest. Nairobi had the highest percentage of non-poor and poor reaching higher education level.

This shows that whether a person lives in a rural or urban area has a bearing on the likelihood of their reaching secondary or a higher level of education, suggesting a child in the urban areas has an advantage over one in rural areas. This conclusion may obscure the fact that higher qualifications also makes one more mobile and gives them the opportunity to move from a rural area to an urban set-up for an appropriate job, which may also explain the higher numbers of those with higher levels of education in urban areas.

The proportion of those reaching post secondary education are relatively low for both categories but with a higher proportion of the non-poor (2.1 per cent) than the non-poor (0.6 per cent) reaching the higher education level

3.3 Highest Level of Education by Gender

Tables 3.3a and 3.3b examine the gender differentials in the level of education reached by the poor and non-poor. Table 3.3a reveals that nationally there is a higher percentage of female poor (29.8 per cent) with no education compared to male poor (20.8 per cent)

Table 3.3a: Distribution of Poor Household Members by Gender and Education Level (%)

| Region | Male Poor | | | | Female Poor | | | |
|--------------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|------------|
| | None | Primary | Secondary | Higher | None | Primary | Secondary | Higher |
| Central Rural | 14.0 | 73.7 | 12.2 | 0.1 | 20.2 | 70.9 | 8.9 | 0.0 |
| Coast Rural | 38.8 | 54.7 | 6.1 | 0.4 | 54.4 | 42.9 | 2.5 | 0.2 |
| Eastern Rural | 23.0 | 66.8 | 9.6 | 0.6 | 31.3 | 61.3 | 7.3 | 0.2 |
| Nyanza Rural | 22.9 | 62.5 | 14.3 | 0.3 | 31.3 | 60.9 | 7.8 | 0.0 |
| Rift Valley Rural | 24.6 | 67.3 | 7.9 | 0.2 | 33.6 | 61.6 | 4.8 | 0.0 |
| Western Rural | 17.1 | 69.4 | 13.5 | 0.1 | 28.8 | 62.8 | 8.4 | 0.1 |
| Total Rural | 22.7 | 66.1 | 10.9 | 0.3 | 32.1 | 61.0 | 6.8 | 0.1 |
| Total Urban | 10.0 | 55.8 | 29.0 | 5.3 | 15.8 | 65.3 | 18.3 | 0.6 |
| Nairobi | 7.6 | 56.4 | 27.5 | 8.4 | 11.5 | 73.2 | 14.9 | 0.4 |
| Mombasa | 14.2 | 57.2 | 28.6 | 0.0 | 23.5 | 63.1 | 13.5 | 0.0 |
| Kisumu | 9.8 | 55.8 | 32.1 | 2.2 | 19.0 | 62.3 | 17.4 | 1.4 |
| Nakuru | 6.8 | 57.8 | 30.9 | 4.5 | 22.1 | 50.0 | 27.9 | 0.0 |
| Other urban | 13.4 | 53.7 | 30.5 | 2.4 | 17.8 | 56.7 | 24.3 | 1.2 |
| Nation | 20.8 | 64.6 | 13.6 | 1.0 | 29.8 | 61.6 | 8.4 | 0.1 |

Generally there were a higher percentage of poor males reaching all levels of education compared to the females in the same category. The male poor with primary education was 64.6 per cent, with Secondary Education 13.6 per cent and higher one per cent. The corresponding figures for female poor were 61.6 per cent, 8.4 per cent and 0.1 per cent. Regional differences are evident from the table. The percentage of male poor who had reached primary school was higher than the female poor for all rural areas. At the Secondary school level, all regions whether Urban or Rural indicated a higher percentage of male poor compared to female poor.

Similarly for the non-poor, a higher percentage of female (22.4 per cent) compared to males (13.8 per cent) had no education. According to table 3.3b in urban areas there is a higher

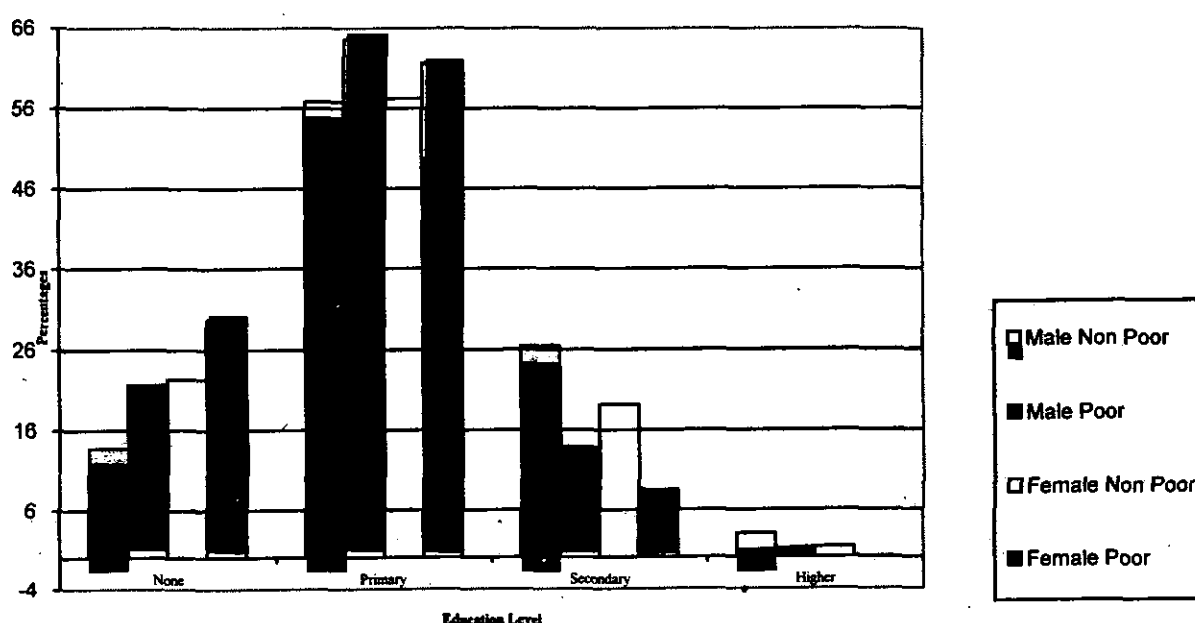
percentage of female non-poor reaching primary school than males, however, this is because more males are progressing to secondary and higher levels. There is a clear difference at the post-primary level, 26 per cent of non-poor males had reached this level and three per cent had reached higher education; the corresponding figures for females are 19 per cent and 1.3. It is only in Kisumu did more non-poor females (42.4 per cent) reach secondary school than males (37 per cent).

Table 3.3b: Distribution of non-poor Household Members by Gender and Education Level (%)

| Region | Male | | | | Female | | | |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| | None | Primary | Secondary | Higher | None | Primary | Secondary | Higher |
| Central Rural | 9.7 | 62.8 | 26.1 | 1.4 | 17.4 | 63.5 | 18.4 | 0.7 |
| Coast Rural | 23.6 | 58.0 | 16.8 | 1.6 | 37.1 | 51.5 | 11.1 | 0.2 |
| Eastern Rural | 17.2 | 63.5 | 17.8 | 1.5 | 25.4 | 59.3 | 14.8 | 0.5 |
| Nyanza Rural | 17.2 | 59.8 | 22.4 | 0.6 | 30.0 | 54.8 | 15.1 | 0.2 |
| Rift Valley Rural | 18.5 | 58.8 | 21.4 | 1.4 | 26.7 | 59.7 | 13.1 | 0.5 |
| Western Rural | 13.8 | 61.0 | 24.4 | 0.8 | 20.5 | 61.1 | 17.3 | 1.1 |
| Total Rural | 15.6 | 60.9 | 22.2 | 1.2 | 24.4 | 59.6 | 15.5 | 0.6 |
| Total Urban | 5.5 | 37.7 | 45.5 | 11.3 | 11.1 | 43.9 | 39.8 | 5.2 |
| Nairobi | 3.9 | 36.6 | 44.1 | 15.4 | 7.3 | 43.9 | 40.2 | 8.7 |
| Mombasa | 6.0 | 36.5 | 52.7 | 4.7 | 13.9 | 45.9 | 38.9 | 1.4 |
| Kisumu | 3.1 | 51.8 | 37.0 | 8.1 | 7.2 | 47.0 | 42.4 | 3.3 |
| Nakuru | 8.6 | 39.9 | 43.9 | 7.6 | 18.1 | 43.6 | 36.0 | 2.3 |
| Other urban | 7.9 | 38.0 | 45.1 | 9.1 | 14.2 | 42.2 | 40.6 | 3.0 |
| Nation | 13.8 | 56.8 | 26.4 | 3.0 | 22.4 | 57.2 | 19.2 | 1.3 |

There is a difference in the highest level of education reached by the different sexes in both the poor and non-poor categories, this gap is widest at the post primary level of education. In addition to a gender bias there is also a poverty effect (See Chart 3.3).

Chart 3.3: Highest Education level Reached by Gender



Tables 3.3a and 3.3b also show that the highest level of education attained by the different sexes is determined /affected by whether the family is non-poor or poor. While 26.4 per cent of male non-poor reached secondary School only 13.6 per cent of the male poor reached this level. In the case of females reaching secondary school the figures are 8.4 per cent and 19.2 per cent for the poor and non-poor respectively.

The highest percentage of those who had no education was the female poor the lowest were the male non-poor. More of the female non-poor had no education than the male poor. At the secondary school level poverty is definitely a factor as a higher proportion of the non-poor had reached this level compared to the poor. The proportion of people reaching higher levels of education was generally very low, especially for the female poor.

3.4 Reasons for not being currently in school by Poverty Groups

The main reason for both the poor and non-poor for not being currently in school are given as "cannot afford", even though this affects a higher proportion of the than the non-poor, 30.7 per cent as opposed to 21.8 per cent. Affordability also affects a higher proportion of those in the urban areas than rural areas; in urban areas 29.5 per cent of the non-poor and 34.2 per cent of the poor reported affordability as the main reason for their not being currently in school compared, whereas in the rural areas 19.4 per cent of the non-poor and 29.5 per cent of the poor gave this reason. This would seem to indicate that in rural areas people are less affected by the cost of schooling in urban areas, where schools are generally more expensive and there may be other additional costs such as transport. "Other reasons" was abnormally high in some areas.

Table 3.4a Reasons for children of school going age not going to school in poor households (%)

| Region | Too Old | Got Married | Too Far | Cannot Afford | Got Employed | Became an Apprentice | Work at Home | School Un-Interesting | Cultural rituals | Illness | Pregnancy | Failed Exams | Other | Not Stated |
|--------------------|------------|-------------|------------|---------------|--------------|----------------------|--------------|-----------------------|------------------|------------|------------|--------------|-------------|------------|
| Central Rural | 1.0 | 5.0 | 0.0 | 23.2 | 1.0 | 3.5 | 0.2 | 19.2 | 0.0 | 0.9 | 4.6 | 11.4 | 28.0 | 2.0 |
| Coast Rural | 2.4 | 10.4 | 0.9 | 36.6 | 2.3 | 1.1 | 5.2 | 12.0 | 0.5 | 5.7 | 2.4 | 12.6 | 5.0 | 2.9 |
| Eastern Rural | 6.0 | 6.9 | 0.9 | 33.3 | 0.3 | 1.4 | 6.1 | 13.2 | 0.3 | 2.1 | 7.3 | 7.2 | 10.1 | 4.8 |
| Nyanza Rural | 2.3 | 20.3 | 1.3 | 25.6 | 2.0 | 2.2 | 1.8 | 4.7 | 0.3 | 3.9 | 6.6 | 17.0 | 8.8 | 3.2 |
| Rift Valley Rural | 3.5 | 14.9 | 0.8 | 28.0 | 3.1 | 0.9 | 2.9 | 13.9 | 1.9 | 2.8 | 4.9 | 9.1 | 7.3 | 5.8 |
| Western Rural | 1.5 | 10.9 | 1.2 | 33.3 | 0.0 | 0.6 | 0.8 | 9.5 | 0.2 | 2.4 | 2.8 | 6.6 | 23.2 | 7.1 |
| Total Rural | 3.1 | 11.9 | 0.9 | 29.5 | 1.5 | 1.6 | 2.9 | 11.8 | 0.6 | 2.8 | 5.2 | 10.4 | 13.2 | 4.5 |
| Total Urban | 7.9 | 17.3 | 0.4 | 34.2 | 6.3 | 1.3 | 0.5 | 4.1 | 0.1 | 0.7 | 1.9 | 5.0 | 19.0 | 1.2 |
| Nairobi | 9.2 | 18.6 | 0.0 | 31.9 | 6.7 | 1.1 | 0.6 | 2.9 | 0.0 | 0.4 | 0.5 | 4.4 | 22.9 | 0.8 |
| Mombasa | 2.2 | 7.5 | 3.0 | 50.6 | 0.0 | 0.7 | 0.0 | 2.4 | 0.0 | 2.5 | 1.7 | 9.3 | 18.7 | 1.4 |
| Kisumu | 17.5 | 11.6 | 0.9 | 45.5 | 8.3 | 0.6 | 0.0 | 4.0 | 0.0 | 2.8 | 3.9 | 0.5 | 3.7 | 0.9 |
| Nakuru | 7.0 | 14.6 | 0.0 | 26.2 | 6.5 | 3.0 | 0.0 | 10.8 | 0.0 | 0.0 | 5.3 | 10.0 | 12.1 | 4.2 |
| Other urban | 4.3 | 20.4 | 0.1 | 31.3 | 7.6 | 1.9 | 0.8 | 6.7 | 0.4 | 0.2 | 4.2 | 5.2 | 15.0 | 1.8 |
| Nation | 4.3 | 13.3 | 0.7 | 30.7 | 2.7 | 1.5 | 2.3 | 9.9 | 0.5 | 2.3 | 4.4 | 9.1 | 14.6 | 3.7 |

Getting married was given as a reason by a higher proportion of the non-poor (15.9 per cent compared to 13.3 per cent of the poor). A very low proportion of both the two categories gave 'got employed' as the main reason, 5.4 per cent of non-poor and 2.7 per cent of poor, more people in urban areas are dropping out of school for this reason, Kisumu and Nakuru reported the highest percentage of the non-poor and poor respectively, who are currently out of school because of employment.

Table 3.4b School-going age population from Non-Poor households by Reason of not being currently at school (%)

| Region | Too Old | Got Married | Too Far | Cannot Afford | Got employed | Became an apprentice | Work at Home | School Un-Interesting | Cultural rituals | Illness | Pregnancy | Failed Exams | Other | Not Stated |
|--------------------|------------|-------------|------------|---------------|--------------|----------------------|--------------|-----------------------|------------------|------------|------------|--------------|-------------|------------|
| Central Rural | 6.2 | 9.5 | 0.0 | 13.7 | 4.4 | 1.8 | 0.8 | 12.9 | 0.4 | 1.1 | 2.3 | 12.5 | 31.4 | 3.1 |
| Coast Rural | 2.6 | 21.2 | 0.0 | 27.2 | 7.1 | 2.1 | 2.9 | 13.1 | 0.4 | 1.8 | 1.2 | 14.3 | 3.4 | 2.7 |
| Eastern Rural | 8.3 | 13.1 | 0.3 | 21.1 | 3.3 | 2.9 | 0.7 | 15.4 | 1.4 | 0.9 | 3.9 | 6.4 | 19.4 | 2.9 |
| Nyanza Rural | 3.2 | 31.0 | 0.6 | 16.0 | 3.1 | 1.3 | 0.4 | 6.3 | 0.0 | 2.9 | 7.4 | 7.8 | 12.6 | 7.5 |
| Rift Valley Rural | 6.1 | 20.6 | 0.7 | 21.5 | 4.7 | 1.3 | 4.4 | 7.1 | 0.3 | 1.6 | 6.6 | 7.9 | 12.5 | 4.9 |
| Western Rural | 5.0 | 23.3 | 0.2 | 26.5 | 1.1 | 1.3 | 0.3 | 2.2 | 0.0 | 2.2 | 4.4 | 0.9 | 29.8 | 2.8 |
| Total Rural | 5.8 | 18.0 | 0.3 | 19.4 | 3.9 | 1.7 | 1.7 | 9.7 | 0.4 | 1.6 | 4.5 | 8.4 | 20.5 | 4.1 |
| Total Urban | 6.1 | 9.1 | 0.9 | 29.5 | 10.4 | 2.0 | 0.6 | 1.6 | 0.0 | 0.3 | 3.8 | 6.0 | 20.5 | 9.2 |
| Nairobi | 3.3 | 6.3 | 1.4 | 29.6 | 10.2 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 7.4 | 19.4 | 14.5 |
| Mombasa | 15.1 | 11.9 | 0.0 | 15.0 | 5.4 | 0.0 | 0.0 | 1.9 | 0.0 | 0.9 | 0.9 | 4.2 | 39.1 | 5.5 |
| Kisumu | 15.3 | 7.1 | 0.0 | 43.4 | 10.6 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 4.4 | 4.3 | 11.8 | 1.5 |
| Nakuru | 9.6 | 17.7 | 1.7 | 32.0 | 21.6 | 0.9 | 0.0 | 3.5 | 0.0 | 0.0 | 7.2 | 1.8 | 3.4 | 0.7 |
| Other urban | 2.6 | 11.0 | 0.4 | 36.4 | 10.9 | 1.5 | 2.6 | 4.5 | 0.0 | 0.5 | 3.2 | 6.2 | 15.4 | 4.7 |
| Nation | 5.9 | 15.9 | 0.5 | 21.8 | 5.4 | 1.8 | 1.4 | 7.8 | 0.3 | 1.3 | 4.3 | 7.8 | 20.5 | 5.3 |

3.5 Reasons for not being currently in School by Gender

Several important differences between the sexes for not currently being at school can be discerned from tables 3.5a to 3.6b. The tables reveal that more males than females irrespective of whether they are in the non-poor or poor category are out of school because of affordability. A higher proportion of females; whether poor or non-poor are out of school because of marriages, 22.7 per cent for the poor and 24.3 per cent for the non-poor. Comparable figures for males are 3.4 per cent for poor and 4.6 per cent for non-poor.

A higher proportion of males than females are currently not in school because of employment. While pregnancy is obviously not a factor for the boys, 7.3 per cent of the non-poor females and 8.6 per cent of the poor females reported this as the reason for their currently not being in school. Thus a female from a poor household is more likely to drop out of school because of pregnancy than the non-poor female. Pregnancy is higher in rural areas as compared to the urban areas for both the non-poor and poor females. Regional comparisons presented on the tables also show that the percentage of those not in school because of pregnancy is highest in Nyanza (11.8 per cent) and Rift Valley (11.6 per cent) for the non-poor and Eastern (14.7 per cent) and Nyanza (12.4 per cent per cent) for the poor.

Regional differences presented on tables 3.5a and 3.5b indicate that among the poor households, Nairobi (38.1 per cent) and Nyanza (35.4 per cent) had the highest number of females of school age who were out of school because of marriage. Mombasa reported the highest percentage (9.1) of poor males who left school to get married.

Table 3.5a: Distribution of Female School going age population from poor households by reason for not being currently at school (%)

| Region | Too Old | Got Married | Too Far | Cannot Afford | Got Employed | Became an apprentice | Work at Home | School Un-Interest | Cultural rituals | Illness | Pregnancy | Failed Exams | Other | Not Stated |
|--------------------|------------|-------------|------------|---------------|--------------|----------------------|--------------|--------------------|------------------|------------|-------------|--------------|-------------|------------|
| Central Rural | 1.3 | 8.2 | 0.0 | 20.8 | 2.0 | 2.3 | 0.0 | 16.5 | 0.0 | 1.9 | 9.7 | 11.3 | 23.9 | 2.2 |
| Coast Rural | 2.9 | 16.6 | 1.6 | 34.7 | 0.0 | 0.0 | 4.4 | 11.5 | 1.1 | 4.4 | 4.7 | 10.9 | 3.8 | 3.3 |
| Eastern Rural | 8.8 | 11.9 | 0.6 | 28.0 | 0.0 | 0.7 | 3.8 | 10.7 | 0.6 | 1.3 | 14.7 | 7.7 | 8.6 | 2.5 |
| Nyanza Rural | 3.9 | 35.4 | 0.8 | 17.0 | 0.0 | 2.9 | 0.5 | 2.7 | 0.6 | 3.4 | 12.4 | 10.6 | 7.1 | 2.6 |
| Rift Valley Rural | 3.3 | 24.7 | 1.6 | 21.2 | 0.8 | 0.0 | 3.9 | 10.0 | 2.8 | 2.9 | 10.2 | 7.3 | 5.5 | 5.6 |
| Western Rural | 1.9 | 18.6 | 0.5 | 33.4 | 0.0 | 0.0 | 1.2 | 2.5 | 0.5 | 2.0 | 5.6 | 7.9 | 21.3 | 4.7 |
| Total Rural | 4.2 | 20.5 | 0.8 | 24.6 | 0.4 | 1.1 | 2.3 | 8.5 | 1.0 | 2.5 | 10.5 | 8.9 | 11.1 | 3.5 |
| Total Urban | 3.0 | 28.6 | 0.3 | 38.2 | 2.7 | 0.9 | 0.3 | 3.3 | 0.1 | 0.6 | 3.4 | 6.1 | 11.5 | 1.1 |
| Nairobi | 0.0 | 38.1 | 0.0 | 39.1 | 2.5 | 0.6 | 0.0 | 3.3 | 0.0 | 0.0 | 1.1 | 6.7 | 7.6 | 1.0 |
| Mombasa | 2.2 | 6.7 | 1.1 | 51.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.7 | 2.6 | 7.9 | 21.5 | 2.0 |
| Kisumu | 16.9 | 16.5 | 1.5 | 53.2 | 2.5 | 1.0 | 0.0 | 0.0 | 0.0 | 1.1 | 6.5 | 0.9 | 0.0 | 0.0 |
| Nakuru | 5.8 | 29.4 | 0.0 | 22.4 | 0.0 | 0.0 | 0.0 | 11.8 | 0.0 | 0.0 | 10.7 | 7.8 | 12.1 | 0.0 |
| Other Urban | 5.1 | 23.2 | 0.2 | 29.2 | 4.9 | 1.5 | 1.2 | 4.2 | 0.3 | 0.3 | 6.2 | 5.1 | 17.3 | 1.3 |
| Nation | 3.9 | 22.7 | 0.7 | 28.3 | 1.1 | 1.0 | 1.8 | 7.1 | 0.8 | 2.0 | 8.6 | 8.2 | 11.2 | 2.9 |

Table 3.5b: Distribution of Male School going age population from poor households by reason for not being currently at school (%)

| Region | Too Old | Got Married | Too Far | Cannot Afford | Got Employed | Became an apprentice | Work at Home | School Un-Interest | Cultural rituals | Illness | Pregnancy | Failed Exams | Other | Not Stated |
|--------------------|-------------|-------------|------------|---------------|--------------|----------------------|--------------|--------------------|------------------|------------|------------|--------------|-------------|------------|
| Central Rural | 0.7 | 2.1 | 0.0 | 25.4 | 0.0 | 4.6 | 0.4 | 21.7 | 0.0 | 0.0 | 0.0 | 11.6 | 31.7 | 1.8 |
| Coast Rural | 1.9 | 4.0 | 0.2 | 38.5 | 4.7 | 2.2 | 5.9 | 12.6 | 0.0 | 6.9 | 0.0 | 14.4 | 6.2 | 2.5 |
| Eastern Rural | 3.2 | 1.8 | 1.3 | 38.5 | 0.6 | 2.1 | 8.4 | 15.7 | 0.0 | 2.8 | 0.0 | 6.8 | 11.5 | 7.0 |
| Nyanza Rural | 0.4 | 3.3 | 1.8 | 35.3 | 4.2 | 1.5 | 3.3 | 6.9 | 0.0 | 4.4 | 0.0 | 24.3 | 10.7 | 4.0 |
| Rift Valley Rural | 3.7 | 5.8 | 0.0 | 34.3 | 5.2 | 1.8 | 2.0 | 17.4 | 1.1 | 2.8 | 0.0 | 10.8 | 9.0 | 6.0 |
| Western Rural | 1.2 | 3.6 | 1.8 | 33.2 | 0.0 | 1.2 | 0.4 | 16.1 | 0.0 | 2.9 | 0.0 | 5.3 | 25.0 | 9.4 |
| Total Rural | 2.1 | 3.5 | 0.9 | 34.3 | 2.5 | 2.1 | 3.5 | 15.2 | 0.3 | 3.0 | 0.0 | 11.9 | 15.2 | 5.5 |
| Total Urban | 14.0 | 3.2 | 0.5 | 29.2 | 10.8 | 1.7 | 0.8 | 5.2 | 0.1 | 0.9 | 0.0 | 3.8 | 28.4 | 1.5 |
| Nairobi | 18.0 | 0.0 | 0.0 | 25.1 | 10.7 | 1.5 | 1.2 | 2.6 | 0.0 | 0.8 | 0.0 | 2.1 | 37.4 | 0.7 |
| Mombasa | 2.3 | 9.1 | 6.9 | 49.3 | 0.0 | 0.0 | 0.0 | 7.4 | 0.0 | 0.0 | 0.0 | 12.4 | 12.6 | 0.0 |
| Kisumu | 18.4 | 4.3 | 0.0 | 34.1 | 16.9 | 0.0 | 0.0 | 9.8 | 0.0 | 5.2 | 0.0 | 0.0 | 9.2 | 2.1 |
| Nakuru | 8.3 | 0.0 | 0.0 | 30.0 | 13.0 | 6.0 | 0.0 | 9.8 | 0.0 | 0.0 | 0.0 | 12.2 | 12.2 | 8.3 |
| Other Urban | 2.6 | 14.6 | 0.0 | 35.8 | 13.2 | 2.7 | 0.0 | 11.9 | 0.6 | 0.0 | 0.0 | 5.5 | 10.2 | 2.9 |
| Nation | 4.8 | 3.4 | 0.8 | 33.2 | 4.4 | 2.0 | 2.9 | 12.9 | 0.2 | 2.5 | 0.0 | 10.1 | 18.3 | 4.6 |

For non-poor households, (Tables 3.6a and 3.6b) Nyanza had the highest percentage (40 per cent) of females who were out of school because of marriage, followed by Rift Valley (33.8 per cent) and Western (30.9 per cent). In this category Coast reported the highest percentage of males (9.9 per cent) who were currently out of school because of marriage.

Table 3.6a: Distribution of Female School going age population from non-poor households by reason for not being currently at school (%)

| Region | Too Old | Got Married | Too Far | Cannot Afford | Got Employed | Became an apprentice | Work at Home | School Un-Interest ing | Cultural rituals | Illness | Pregnancy | Failed Exams | Other | Not Stated |
|-------------------|---------|-------------|---------|---------------|--------------|----------------------|--------------|------------------------|------------------|---------|-----------|--------------|-------|------------|
| Central Rural | 7.5 | 13.8 | 0.0 | 11.6 | 4.0 | 1.8 | 0.4 | 9.5 | 0.5 | 1.0 | 4.2 | 13.7 | 28.3 | 3.7 |
| Coast Rural | 3.5 | 29.5 | 0.0 | 26.9 | 4.0 | 1.8 | 3.7 | 8.3 | 0.7 | 3.1 | 2.1 | 13.1 | 1.1 | 2.1 |
| Eastern Rural | 10.0 | 20.9 | 0.0 | 20.5 | 0.4 | 1.2 | 0.6 | 11.9 | 0.0 | 1.2 | 6.7 | 5.7 | 18.5 | 2.4 |
| Nyanza Rural | 4.7 | 43.8 | 0.0 | 13.0 | 0.4 | 1.0 | 0.0 | 0.3 | 0.0 | 3.4 | 11.8 | 4.5 | 7.6 | 9.5 |
| Rift Valley Rural | 6.4 | 33.8 | 0.9 | 12.5 | 1.9 | 1.4 | 2.1 | 4.2 | 0.3 | 1.3 | 11.6 | 7.3 | 11.2 | 5.1 |
| Western Rural | 5.9 | 30.7 | 0.0 | 23.0 | 1.0 | 1.2 | 0.4 | 2.0 | 0.0 | 0.5 | 6.2 | 1.3 | 24.6 | 3.2 |
| Total Rural | 6.8 | 27.3 | 0.2 | 15.8 | 2.0 | 1.4 | 1.0 | 6.1 | 0.2 | 1.5 | 7.7 | 7.7 | 17.8 | 4.5 |
| Total Urban | 6.6 | 15.0 | 1.3 | 28.2 | 7.9 | 0.6 | 0.9 | 1.5 | 0.0 | 0.5 | 6.3 | 4.6 | 20.7 | 5.9 |
| Nairobi | 3.8 | 11.5 | 2.6 | 29.6 | 7.9 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 | 4.7 | 19.6 | 10.9 |
| Mombasa | 20.4 | 18.8 | 0.0 | 6.9 | 4.1 | 0.0 | 0.0 | 1.6 | 0.0 | 1.5 | 1.5 | 5.1 | 40.1 | 0.0 |
| Kisumu | 11.4 | 11.2 | 0.0 | 42.2 | 8.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 7.0 | 1.4 | 14.1 | 2.4 |
| Nakuru | 3.9 | 26.3 | 0.0 | 36.6 | 14.7 | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 | 10.7 | 0.0 | 2.5 | 0.0 |
| Other Urban | 2.1 | 15.9 | 0.7 | 35.3 | 8.3 | 0.0 | 3.5 | 3.0 | 0.0 | 0.6 | 4.8 | 5.8 | 16.3 | 3.7 |
| Nation | 6.7 | 24.3 | 0.5 | 18.8 | 3.4 | 2.6 | 0.9 | 5.0 | 0.2 | 1.3 | 7.3 | 7.0 | 18.5 | 4.8 |

Table 3.6b: Distribution of Male School going age population from non-poor households by reason for not being currently at school (%)

| Region | Too Old | Got Married | Too Far | Cannot Afford | Got Employed | Became an apprentice | Work at Home | School Un-Interest ing | Cultural rituals | Illness | Pregnancy | Failed Exams | Other | Not Stated |
|-------------------|---------|-------------|---------|---------------|--------------|----------------------|--------------|------------------------|------------------|---------|-----------|--------------|-------|------------|
| Central Rural | 4.6 | 4.2 | 0.0 | 16.3 | 4.8 | 1.7 | 1.2 | 17.1 | 0.3 | 1.2 | 0.0 | 11.0 | 35.1 | 2.5 |
| Coast Rural | 1.4 | 9.9 | 0.0 | 27.5 | 11.2 | 2.6 | 1.8 | 19.6 | 0.0 | 0.0 | 0.0 | 16.1 | 6.5 | 3.4 |
| Eastern Rural | 5.8 | 2.5 | 0.6 | 21.9 | 7.4 | 5.3 | 0.8 | 20.2 | 3.4 | 0.5 | 0.0 | 7.3 | 20.6 | 3.6 |
| Nyanza Rural | 0.5 | 9.0 | 1.5 | 21.0 | 7.8 | 1.8 | 1.2 | 16.7 | 0.0 | 2.0 | 0.0 | 13.4 | 21.1 | 4.0 |
| Rift Valley Rural | 5.8 | 3.4 | 0.6 | 33.3 | 8.3 | 1.1 | 7.4 | 10.8 | 0.4 | 1.9 | 0.0 | 8.6 | 14.0 | 4.6 |
| Western Rural | 2.9 | 5.2 | 0.5 | 35.2 | 1.3 | 1.4 | 0.0 | 2.8 | 0.0 | 6.3 | 0.0 | 0.0 | 42.3 | 2.0 |
| Total Rural | 4.3 | 4.7 | 0.5 | 24.5 | 6.6 | 2.2 | 2.7 | 14.8 | 0.8 | 1.7 | 0.0 | 9.4 | 24.5 | 3.4 |
| Total Urban | 5.4 | 0.5 | 0.3 | 31.2 | 14.1 | 4.2 | 0.1 | 1.8 | 0.0 | 0.1 | 0.0 | 8.3 | 20.1 | 14.0 |
| Nairobi | 2.8 | 0.0 | 0.0 | 29.7 | 13.1 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.6 | 19.2 | 18.8 |
| Mombasa | 7.1 | 1.3 | 0.0 | 27.4 | 7.5 | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 2.7 | 37.5 | 14.0 |
| Kisumu | 22.1 | 0.0 | 0.0 | 45.6 | 15.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.4 | 7.7 | 0.0 |
| Nakuru | 21.2 | 0.0 | 5.2 | 22.5 | 35.7 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 5.2 | 2.2 |
| Other Urban | 3.5 | 1.4 | 0.0 | 38.5 | 16.1 | 4.5 | 0.7 | 7.3 | 0.0 | 0.3 | 0.0 | 7.1 | 13.9 | 6.8 |
| Nation | 4.6 | 3.7 | 0.4 | 26.1 | 8.3 | 2.6 | 2.1 | 11.8 | 0.6 | 1.3 | 0.0 | 9.1 | 23.4 | 5.9 |

Further in-depth analysis on this situation would assist in clarifying the issues. This would be useful in formulating policies and drawing up interventions to reduce the dropout rates particularly for females due to pregnancy or early marriages and also to target the out of school youths.

It is interesting to note that a higher proportion of males from poor households reported to be currently out of school because of lack of interest: 12.9 per cent poor and 11.8 per cent non-poor. Females are reported to be less likely to be out of school because of lack of interest, the poor are more affected by this than the non-poor.

3.6 Gross Enrolment and Net Enrolment Rates

Gross and Net Enrolment Rates computations were carried out for Primary Secondary and Tertiary levels. In WMS III the age categories used for calculating the two rates were 6-13 years for Primary, 14-17 years for Secondary and 18-23 years for Tertiary level.

3.6.1 Gross Enrolment Rates

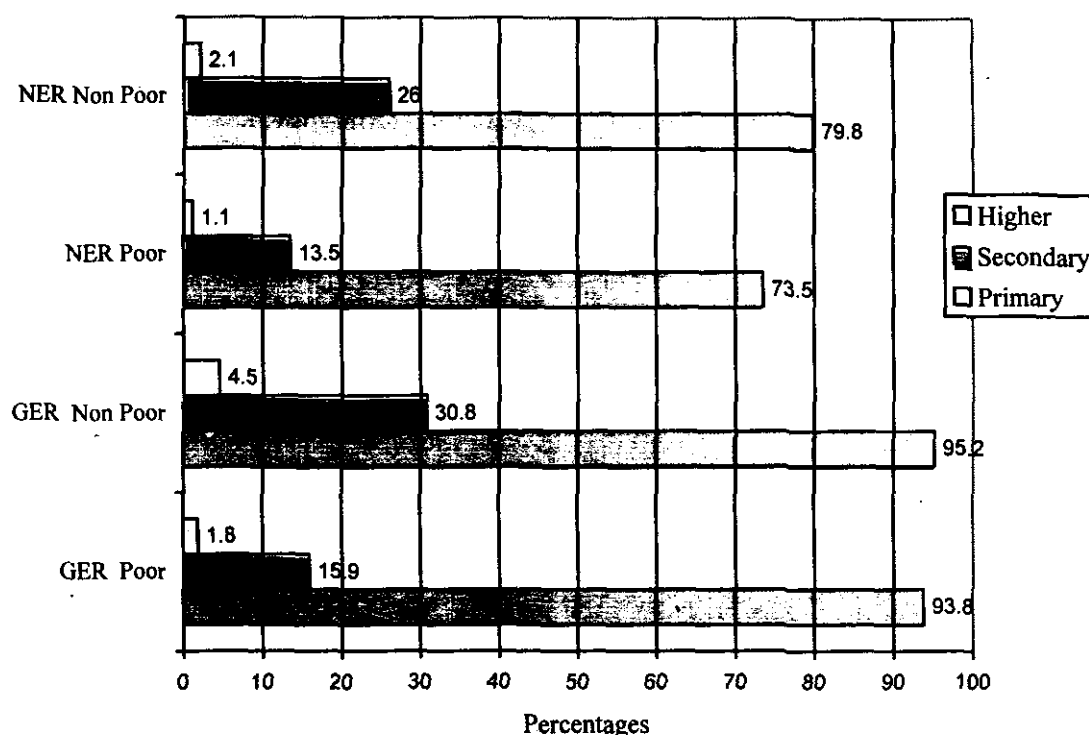
The Gross Enrolment Rate (GER) is a measure of the proportion of children enrolled in a schooling level (irrespective of the age group for that level) expressed as a percentage of the total number of children (population) in the relevant age group for that level.

Table 3.7. Gross and Net Enrolment rates by Level of education, and poverty

| Region | Gross Enrolment | | | | | | Net Enrolment | | | | | |
|--------------------|-----------------|-------------|------------|-------------|-------------|------------|---------------|-------------|------------|-------------|-------------|------------|
| | Poor | | | Non Poor | | | Poor | | | Non Poor | | |
| | Primary | Secondary | Higher | Primary | Secondary | Higher | Primary | Secondary | Higher | Primary | Secondary | Higher |
| Central Rural | 102.6 | 15.8 | 0.5 | 100.0 | 33.7 | 2.8 | 81.8 | 12.5 | 0.5 | 87.0 | 29.0 | 1.8 |
| Coast Rural | 67.0 | 8.4 | 1.2 | 87.6 | 14.2 | 0.7 | 53.5 | 6.9 | 1.0 | 74.3 | 11.8 | 0.0 |
| Eastern Rural | 97.9 | 12.6 | 0.9 | 93.7 | 20.4 | 3.7 | 72.8 | 10.6 | 0.6 | 76.6 | 18.4 | 2.6 |
| Nyanza Rural | 94.9 | 22.4 | 2.1 | 90.9 | 38.7 | 0.5 | 73.7 | 19.7 | 0.0 | 75.4 | 30.2 | 0.1 |
| Rift Valley Rural | 93.9 | 11.3 | 0.8 | 93.4 | 29.6 | 2.3 | 73.8 | 9.3 | 0.8 | 78.5 | 24.2 | 0.9 |
| Western Rural | 97.0 | 17.8 | 0.0 | 108.5 | 22.1 | 5.7 | 76.0 | 14.1 | 0.0 | 81.7 | 18.2 | 4.2 |
| Total Rural | 94.1 | 15.4 | 1.0 | 96.0 | 28.6 | 2.7 | 73.1 | 12.9 | 0.4 | 79.8 | 23.9 | 1.7 |
| Total Urban | 91.2 | 18.8 | 3.7 | 87.5 | 42.5 | 9.5 | 76.9 | 17.0 | 2.7 | 79.1 | 37.5 | 3.3 |
| Nairobi | 100.9 | 15.8 | 3.5 | 85.3 | 52.5 | 14.7 | 82.9 | 14.0 | 2.3 | 76.6 | 45.5 | 5.6 |
| Mombasa | 71.7 | 18.5 | 0.0 | 92.9 | 42.4 | 1.3 | 62.9 | 17.3 | 0.0 | 81.9 | 35.5 | 0.0 |
| Kisumu | 74.5 | 16.3 | 2.7 | 92.4 | 26.5 | 4.4 | 66.9 | 14.3 | 0.9 | 88.6 | 24.7 | 2.7 |
| Nakuru | 81.7 | 25.8 | 10.7 | 74.6 | 42.9 | 6.7 | 69.1 | 21.3 | 10.7 | 69.7 | 40.5 | 3.4 |
| Other urban | 90.0 | 23.8 | 4.0 | 91.0 | 23.4 | 5.5 | 77.3 | 22.4 | 3.2 | 82.6 | 22.2 | 0.5 |
| Nation | 93.8 | 15.9 | 1.8 | 95.2 | 30.8 | 4.5 | 73.5 | 13.5 | 1.1 | 79.8 | 26.0 | 2.1 |

Table 3.7 and chart 3.4 below indicate that there are no significant differences in the overall enrolment rates for primary school for both poor and non-poor. The major disparity is found in secondary education where the non-poor reported an almost double the GER of the poor, 15.9 per cent for the poor and 30.8 per cent for the non-poor. Comparisons between urban and rural areas indicate that the urban areas reported higher GERs for secondary school and higher education than rural areas for both the poor and non-poor. The Secondary School GER for the urban poor is 18.8 per cent compared to 15.4 per cent for the rural poor. In the case of the non-poor the figures are 42.5 per cent and 28.6 per cent for the urban and rural areas respectively. For the poor, Coast Rural had the lowest Primary and Secondary GERs of 67.0 per cent and 8.4 per cent respectively. In the case of the non-poor, Nairobi with 85.3 per cent had the lowest Primary GER while for Secondary Coast had the lowest with 14.2 per cent. For the poor Nakuru reported the highest higher-level GER of 10.7 per cent, while for the non-poor group Nairobi had the highest (14.7 per cent).

The marked difference between the Primary GER and the Secondary GER indicates a high dropout rate with a low proportion proceeding to secondary school and consequently to higher levels of education. These figures are consistent with those of the highest level of education reached. There is need to address the high dropout rate by putting in place necessary interventions.

Chart 3.4: Gross and Net Enrolment Rates by Poverty and Level of Education

3.6.2 Net Enrolment Rates

The Net Enrolment Rate (NER) measures the proportion of children enrolled in a schooling level who belongs to the relevant age group, expressed as a percentage of the total number of children (population in that age group).

The NER for the non-poor is higher than that of the poor for all the three levels of education. The Primary NER was 73.5 per cent and 79.8 per cent for the poor and the non-poor respectively while the Secondary NER for the poor (13.5 per cent) was almost half of the non-poor (26.0 per cent). The tertiary disparity in enrolment between the poor and non-poor is again almost double, 1.1 per cent to 2.1 per cent. Breaking these findings down for the urban and rural population, on average the urban areas have a much higher NER than the rural population. For the poor, the Secondary NER in the rural areas is 12.9 per cent compared 17.0 per cent for the urban areas. The corresponding figures for the non-poor are 23.9 per cent and 37.5 per cent for the rural and urban areas respectively. Among the poor, Coast Rural had the lowest NER for Primary and Secondary of 53.5 per cent and 6.9 per cent respectively. For the non-poor, Nakuru had the lowest Primary NER of 69.7 per cent while the Secondary NER was lowest in Coast Rural (11.8 per cent).

3.6.3 Gender and Enrolment Rates

Survey results shown in tables 3.8a and 3.8b indicate gender differentials in enrolment rates for the poor and non-poor. There is near parity for Primary Gross and Net Enrolment for males and females irrespective of poverty levels.

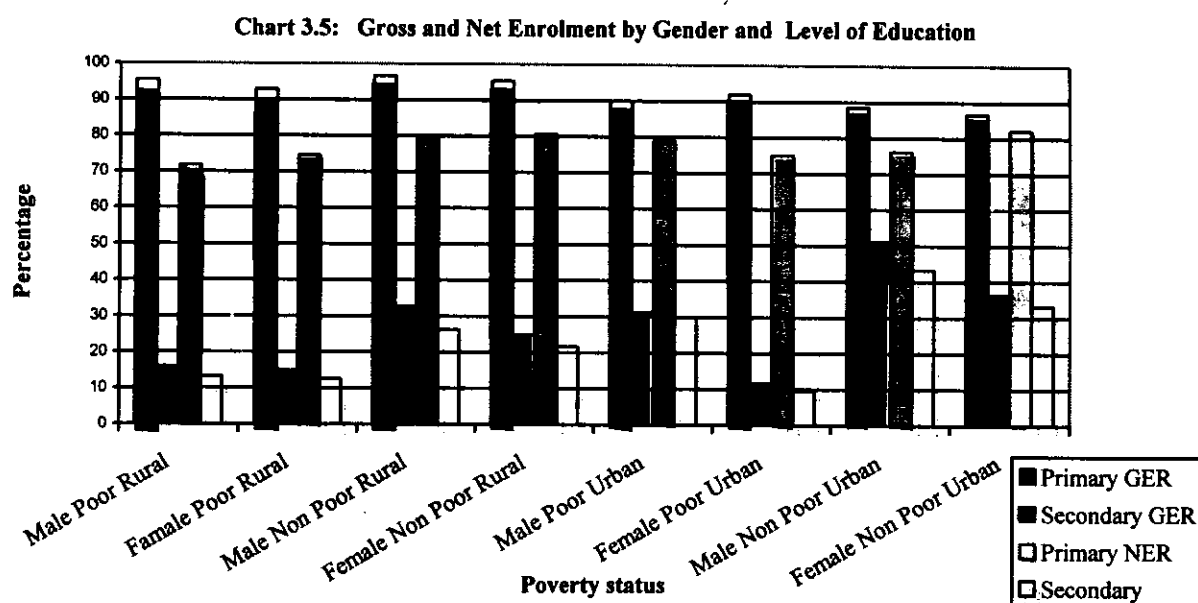
Table 3.8a Gross and Net Enrolment rates of poor households by sex and Level of education

| Region | Male Poor | | | | Female Poor | | | |
|-------------------|-----------|-----------|---------|-----------|-------------|-----------|---------|-----------|
| | GER | | NER | | GER | | NER | |
| | primary | secondary | primary | secondary | primary | secondary | primary | secondary |
| Central Rural | 104.8 | 14.7 | 83.1 | 11.8 | 100.5 | 17.1 | 80.6 | 13.2 |
| Coast Rural | 68.5 | 11.1 | 52.9 | 8.8 | 65.4 | 6 | 54 | 5.1 |
| Eastern Rural | 97.6 | 12.9 | 70.7 | 11 | 98.2 | 12.3 | 75.1 | 10.1 |
| Nyanza Rural | 96.7 | 20.1 | 70.4 | 17.6 | 93.2 | 25.1 | 76.9 | 22.1 |
| Rift Valley Rural | 97.3 | 11 | 73.4 | 8.8 | 90.8 | 11.7 | 74.3 | 9.8 |
| Western Rural | 95.8 | 24.5 | 75 | 18.9 | 98.3 | 10.6 | 77.1 | 9 |
| Total Rural | 95.4 | 16 | 71.7 | 13.2 | 92.8 | 14.8 | 74.5 | 12.5 |
| Total Urban | 90 | 31.1 | 78.9 | 30 | 91.8 | 11.6 | 75.1 | 9.5 |
| Nairobi | 94.9 | 28.2 | 85.2 | 28.2 | 107 | 10.1 | 80.6 | 7.6 |
| Mombasa | 75.2 | 36.6 | 63.9 | 33.9 | 68.9 | 5.2 | 62 | 5.2 |
| Kisumu | 78 | 24 | 73 | 22.4 | 70.9 | 11.2 | 60.7 | 8.9 |
| Nakuru | 91.8 | 17.6 | 78.3 | 12.1 | 63.9 | 34.3 | 60.9 | 31.1 |
| Other urban | 90.2 | 37.3 | 75.9 | 36.6 | 89.9 | 14.1 | 78.5 | 12.2 |
| Nation | 94.8 | 17.6 | 72.4 | 15 | 92.7 | 14.2 | 74.6 | 11.9 |

Table 3.8b Gross and Net Enrolment rates of Non-poor by sex and level of education

| Region | Male Non-Poor | | | | Female Non-Poor | | | |
|-------------------|---------------|-----------|---------|-----------|-----------------|-----------|---------|-----------|
| | GER | | NER | | GER | | NER | |
| | primary | secondary | primary | secondary | primary | secondary | primary | secondary |
| Central Rural | 99.2 | 38.7 | 86.6 | 32.8 | 100.8 | 29.2 | 87.4 | 25.6 |
| Coast Rural | 93.7 | 14 | 75.6 | 11.6 | 80.8 | 14.4 | 72.9 | 12.1 |
| Eastern Rural | 93.3 | 22.5 | 75.9 | 20.3 | 94.1 | 18.6 | 77.4 | 16.7 |
| Nyanza Rural | 95.8 | 42.5 | 73.9 | 29.3 | 86.6 | 35 | 76.7 | 31 |
| Rift Valley Rural | 93.1 | 34.5 | 77 | 27.7 | 93.7 | 24.7 | 80 | 20.9 |
| Western Rural | 108.1 | 26.6 | 82.1 | 21.2 | 109 | 18.3 | 81.3 | 15.7 |
| Total Rural | 96.7 | 32.7 | 79.1 | 26.3 | 95.3 | 24.9 | 80.6 | 21.6 |
| Total Urban | 88.5 | 51 | 76.1 | 43.2 | 86.6 | 36.3 | 82.1 | 33.2 |
| Nairobi | 86 | 57.7 | 67.8 | 47.5 | 84.7 | 47.7 | 84.7 | 43.7 |
| Mombasa | 88.8 | 47.6 | 73 | 38.5 | 96.3 | 37.2 | 89.4 | 32.4 |
| Kisumu | 90.3 | 24.8 | 88.5 | 19.5 | 94.9 | 27.4 | 88.7 | 27.4 |
| Nakuru | 82.4 | 72.3 | 81.1 | 72.3 | 64.7 | 27.1 | 55 | 23.5 |
| Other urban | 94.3 | 28.3 | 85.9 | 27 | 87.7 | 21.3 | 79.4 | 20.2 |
| Nation | 95.9 | 35.3 | 78.8 | 28.7 | 94.4 | 26.8 | 80.7 | 23.6 |

Secondary school enrolment rates for the non-poor are higher than for the poor. At the Primary school level the female GER is lower compared to that for the males irrespective of poverty. The males however have a higher secondary gross and net enrolment rate compared to the females, indicating that more females than males dropout at Primary school level. The GER and NER for the male poor was 17.6 per cent and 15.0 per cent while that for the female poor was 14.2 per cent and 11.9 per cent for GER and NER respectively. In the case of the non-poor, GER and NER for males were given as 35.3 per cent and 28.7 per cent while for females the rates were 26.8 per cent and 23.6 per cent respectively. There are regional differences indicated in the table. For example in Central, Nyanza, Rift Valley and Nakuru urban the Gross Enrolment Rate for the female poor is higher than that of the male poor. In the case of the non-poor, Coast Rural is the only one with females having a higher Secondary GER compared to the males, though with a very slight margin of 0.4 per cent. It is worth noting that the widest gender difference is in Nakuru where the Secondary GER for non-poor males is 72.3 per cent compared to 27.1 per cent for non-poor females, however there also significant differences in GER between the male non-poor (72.3 per cent) and the male poor (17.6 per cent). Mombasa had the second widest gender gap, with a Secondary GER of 36.6 for male poor compared to 5.2 for female poor.



3.7. Literacy rates

Literacy is the ability to read and write. It is a basic requisite to individual empowerment, participation and development and for a person to fully realize his or her potential and gain the maximum benefits from the opportunities. The WMS III defined the adult literacy rate as the percentage of people aged 15 and above who can with understanding/ability, read and write a short, simple statement on their everyday life, however the survey did not actually test this capability but rather based it on self reporting.

From table 3.9 it can be seen that the non-poor have a higher literacy rate of 82.7 per cent compared to 73.1 per cent for the poor, this is clearly reflected in figures for all the regions, urban and rural. A higher proportion of both the non-poor and poor living in the urban areas are literate compared to those in the rural areas. They are more likely to have an opportunity to learn how to read and write because of better accessibility to learning facilities.

Of the poor households, Kisumu, Nakuru and Nairobi reported the highest Literacy rates, all over 90 per cent, while in the case of the non-poor, all urban areas had higher levels, with Nairobi and Kisumu leading, having reported literacy rates of over 90 per cent. Coast Rural reported the lowest literacy rate for both the poor and non-poor groups. (See Annex 3.9 for district breakdowns).

Table 3.9 Literacy rate by sex and poverty status (%)

| Region | ALL | | Male | | Female | |
|-------------------|------|----------|------|----------|--------|----------|
| | Poor | Non Poor | Poor | Non Poor | Poor | Non Poor |
| Central Rural | 81.9 | 87.2 | 86.8 | 93.8 | 77.3 | 81.3 |
| Coast Rural | 50.5 | 69.5 | 67.4 | 79.9 | 37.7 | 58 |
| Eastern Rural | 70.0 | 79.0 | 76.4 | 87.4 | 64.4 | 71.6 |
| Nyanza Rural | 70.9 | 75.5 | 81.5 | 86.9 | 61.8 | 66.9 |
| Rift Valley Rural | 65.8 | 77 | 74.9 | 84.3 | 56.9 | 69.6 |
| Western Rural | 73.8 | 81.7 | 83.9 | 87.8 | 64.8 | 76.8 |
| Total Rural | 69.6 | 79.9 | 78.8 | 87.8 | 61.5 | 72.9 |
| Total Urban | 90.1 | 94.3 | 93.5 | 97.7 | 86.6 | 90.3 |
| Nairobi | 92.9 | 96.5 | 94.2 | 98.2 | 91.6 | 94.3 |
| Mombasa | 78.5 | 91.6 | 88.8 | 98.5 | 68.5 | 82.6 |
| Kisumu | 95 | 96.5 | 98.3 | 100 | 92.1 | 93.4 |
| Nakuru | 93.8 | 96 | 99.1 | 97.7 | 88.4 | 94.4 |
| Other Urban | 87.5 | 90.8 | 91.9 | 95.5 | 83.4 | 86.4 |
| Nation | 73.1 | 82.7 | 81.4 | 89.9 | 65.5 | 75.9 |

There are marked gender disparities in literacy rates. A higher proportion of males, irrespective of whether poor or non-poor, are literate, only 65.5 per cent of the female poor are literate compared to 81.4 per cent of the male poor amongst the non-poor, the figures are 75.9 per cent and 89.9 per cent for the females and males respectively. Regional differences show that poor females from the Coast had the lowest literacy rate of only 37.7 per cent. This unfavourable position for the females is similar to that identified for the secondary and post secondary levels of education. Interventions to bridge the gender gaps need to be re emphasised.

3.8 Expenditures on Education

Table 3.10a and 3.10b examine the expenditure pattern on education by the poor and the non-poor. Education expenditure among the poor is generally lower than that of the non-poor in both the rural and urban areas. However, as can be seen in chapter seven of this report, the rural poor allocate over a quarter of their non-food budget to education, while those in urban areas allocate one eighth of their non-food expenditure. Amongst the non-poor expenditure on education still tops the list but absorbs a smaller share of the rural non-food budget 16.5 per cent in rural areas, and 12.1 per cent in urban areas.

The largest expenditure on education for both the poor and non-poor was on Secondary school fees. The non-poor spent on average about four times more than the poor on Secondary fees. Interestingly enough while primary education in public schools is free, primary school fees forms the second largest expenditure for the two poverty groups. The non-poor spend on average Kshs. 1,048 compared to only Kshs. 355 for the poor.

Table 3.10b for non-poor households shows that expenditures in the urban areas are more than twice that of the rural areas. Nairobi had the highest expenditures on all items except boarding and *harambee*. Kisumu and Nakuru had the highest expenditures on boarding and *harambee* respectively. Among the rural regions, Central stands out with the highest expenditure on primary school of Kshs.1,029, which is more than double the other regions.

Table 3.10a Mean Annual Expenditure on Education by Poor households (KShs)

| Region | Primary Fees | Secondary fees | Boarding | Uniform | Primary Books | Secondary Books | Transport | Harambee | Insurance |
|-------------------|--------------|----------------|----------|---------|---------------|-----------------|-----------|----------|-----------|
| Central Rural | 394.3 | 1,188.4 | 63.6 | 259.6 | 377.7 | 81.7 | 15.7 | 326.9 | 13.1 |
| Coast Rural | 94.2 | 535.1 | 122.6 | 250.6 | 151.4 | 79.7 | 18.5 | 189.0 | 30.0 |
| Eastern Rural | 256.5 | 876.6 | 144.5 | 288.9 | 220.0 | 41.2 | 22.9 | 181.6 | 75.3 |
| Nyanza Rural | 148.3 | 524.6 | 128.0 | 317.5 | 155.8 | 94.3 | 24.9 | 110.0 | 2.1 |
| Rift Valley Rural | 246.0 | 588.0 | 82.4 | 340.1 | 246.3 | 45.1 | 22.1 | 246.1 | 26.4 |
| Western Rural | 241.4 | 945.7 | 75.9 | 277.2 | 161.4 | 59.1 | 13.6 | 255.5 | 48.6 |
| Total Rural | 228.7 | 741.4 | 105.1 | 300.7 | 213.6 | 64.9 | 20.7 | 206.5 | 31.8 |
| Total Urban | 884.5 | 1,161.4 | 165.7 | 435.8 | 267.7 | 61.6 | 165.9 | 216.6 | 35.5 |
| Nairobi | 1,058.9 | 1,142.8 | 145.5 | 538.4 | 299.1 | 64.1 | 267.2 | 272.6 | 0.0 |
| Mombasa | 429.4 | 561.6 | 0.0 | 308.1 | 203.0 | 22.9 | 66.9 | 83.3 | 128.6 |
| Kisumu | 1,702.6 | 613.5 | 0.0 | 239.2 | 212.8 | 53.9 | 86.6 | 95.2 | 0.0 |
| Nakuru | 528.6 | 2,609.2 | 401.9 | 736.0 | 108.5 | 101.6 | 48.2 | 595.8 | 20.1 |
| Other urban | 650.1 | 1,264.3 | 253.8 | 298.9 | 282.3 | 66.2 | 73.9 | 128.2 | 70.5 |
| Nation | 354.8 | 822.2 | 116.7 | 326.7 | 224.0 | 64.3 | 48.6 | 208.4 | 32.5 |

Table 3.10b Mean Annual Expenditure on Education by the non-poor households (KShs)

| | Primary Fees | Secondary fees | Boarding | Uniform | Primary Books | Secondary Books | Transport | Harambee | Insurance |
|-------------------|--------------|----------------|----------|---------|---------------|-----------------|-----------|----------|-----------|
| Central Rural | 1,029.6 | 3,263.8 | 548.7 | 584.0 | 570.8 | 211.3 | 160.4 | 486.9 | 101.8 |
| Coast Rural | 188.4 | 2,967.3 | 129.1 | 452.0 | 177.8 | 47.6 | 302.1 | 188.8 | 51.5 |
| Eastern Rural | 599.9 | 2,217.1 | 548.2 | 572.0 | 390.9 | 129.2 | 116.4 | 365.5 | 230.3 |
| Nyanza Rural | 321.5 | 1,944.5 | 153.4 | 435.2 | 299.6 | 237.4 | 87.6 | 192.6 | 56.3 |
| Rift Valley Rural | 428.1 | 2,297.8 | 384.6 | 522.0 | 345.6 | 198.5 | 158.4 | 418.7 | 92.0 |
| Western Rural | 406.7 | 2,448.2 | 294.3 | 317.4 | 168.6 | 118.7 | 94.5 | 227.3 | 170.0 |
| Total Rural | 578.4 | 2,536.8 | 389.0 | 503.8 | 374.4 | 181.1 | 141.7 | 357.5 | 115.2 |
| Total Urban | 2,791.9 | 7,424.8 | 895.7 | 1,039.4 | 749.4 | 343.2 | 328.9 | 1,126.3 | 894.0 |
| Nairobi | 4,686.8 | 12,499.7 | 1,566.7 | 1,577.1 | 1,168.9 | 532.7 | 457.2 | 1,333.8 | 1,773.3 |
| Mombasa | 1,515.4 | 3,187.9 | 101.3 | 965.8 | 566.9 | 88.6 | 327.3 | 99.7 | 80.2 |
| Kisumu | 1,350.4 | 5,415.7 | 1,621.1 | 750.5 | 582.3 | 516.7 | 132.0 | 324.5 | 61.1 |
| Nakuru | 1,197.7 | 2,573.0 | 29.4 | 699.4 | 144.3 | 149.8 | 186.4 | 1,736.4 | 308.9 |
| Other urban | 1,348.6 | 3,973.0 | 516.2 | 413.5 | 426.0 | 242.6 | 204.4 | 1,338.3 | 329.3 |
| Nation | 1,047.7 | 3,573.0 | 496.4 | 617.3 | 453.9 | 215.5 | 181.4 | 520.5 | 280.3 |

Regional differences indicate that those in the urban areas have higher expenditures on all the items compared to those in the rural areas. Table 3.10a for the poor households shows that expenditures in the urban areas are more than those in the rural areas except for those on secondary school books. The differences however are not as pronounced as that of the non-poor. Unlike the case of non-poor, Nairobi had the highest expenditures on only two items, namely primary books and transport. Nakuru had the highest expenditures on all the items except primary books, primary fees, transport and *harambee*. Kisumu and Mombasa had the highest expenditures on primary fees and *harambee* respectively. There were very low boarding expenditure in urban areas and some rural districts as shown in annex tables 3.10a and 3.10b. Expenditures on primary books were generally more than those of secondary school books.

CHAPTER 4: HEALTH

4.0. Introduction

Health constitutes the physical, mental and social well-being of the people and not merely the absence of disease or infirmity. Achievement of good health is critical in enhancing human development. Health is considered a pre-requisite to the socio-economic development of any country, as a healthy population is capable of participating in economic, social and political development. In recognition of this, health policies and strategies in Kenya are geared towards reducing the incidence of disease and improving the health status and thus the quality of life of the general population. Objectives of these policies and strategies have included reduction of morbidity, mortality and fertility through promotion of primary health care, increasing access to health-care services and encouraging the private sector to play a bigger role in the delivery and financing of health care services. An analysis of government spending on health reveals that in absolute terms, nominal health care expenditures increased from K£54 million in 1980 to K£342 million in 1995, a six-fold increase. The Ministry of Health has initiated a number of countrywide programmes, often with the support of donor partners, to combat priority problems in preventive health care and promotion. The most important programmes have included family planning, child immunisation, diarrhoea diseases, and growth monitoring. The priority communicable diseases tackled have included Aids, leprosy, malaria and tuberculosis; interventions in these areas of health benefit rich and poor alike.

The increased numbers of cases of HIV/Aids are having a negative impact on the health of the population and the social and economic gains that the country has achieved over the years. Aids was first reported in Kenya in 1984, current (1997) estimates show that the number of Kenyans infected with the disease has risen to 1.4 million. Besides the huge increase in health expenditures, the dependency ratio is rising and productivity levels dropping. This negative impact is devastating to the infected and the affected, the communities and the whole economy. Control of HIV/Aids is therefore central to an effective poverty reduction strategy.

This chapter presents the health indicators captured in the WMS III in relation to the households' poverty status. The indicators focused mainly on morbidity patterns, action taken during sickness, reasons for not using medical care, type of health provider, health expenditure, days of work missed due to sickness and infant immunization.

4.1 Morbidity Pattern

Table 4.1 gives the distribution of the population by incidence of sickness, mean days sick and poverty in the past four weeks. A higher percentage of the non-poor (17.7 per cent) reported having been sick compared to the poor (13.7 per cent). Regionally, Eastern and Nyanza rural reported the highest incidence of sickness for the non-poor of 23 per cent and 22.5 per cent respectively. As shown in annex table 4.1, the districts, which reported highest incidence of sickness, were Machakos (28.3 per cent), Kisumu (25.3 per cent) and Siaya (24.0 per cent).

Overall, the non-poor reported a slightly higher number of mean days sick (10.8) than the poor (10.1), similarly, the difference in mean number of days sick between the rural poor and the rural non-poor was small (10.2 and 10.7 respectively) whereas in urban this difference was large with the non-poor having a higher mean number of days sick (11.3) than the poor (9.3).

Table 4.1: Distribution of Household Members Sick by Region, Poverty and Days Sick (%)

| Region | | | Poor | | | | Non-Poor | | | |
|-------------------|------|----------|-----------|-------|-------|-------|-----------|-------|-------|-------|
| | | | Days sick | | | | Days sick | | | |
| | | | Mean | <=2 | 2-4 | > 4 | Mean | <=2 | 2-4 | > 4 |
| | Poor | Non-poor | Days | Weeks | Weeks | Weeks | Days | Weeks | Weeks | Weeks |
| Central Rural | 7.4 | 11.8 | 11.0 | 79.1 | 20.2 | 0.7 | 10.5 | 84.6 | 12.0 | 3.3 |
| Coast Rural | 14.5 | 17.5 | 10.9 | 86.1 | 9.2 | 4.7 | 9.6 | 88.2 | 9.2 | 2.6 |
| Eastern Rural | 16.8 | 23.0 | 10.1 | 85.0 | 12.1 | 2.9 | 10.9 | 83.6 | 12.6 | 3.8 |
| Nyanza Rural | 15.8 | 22.5 | 10.6 | 81.2 | 15.5 | 3.3 | 11.5 | 81.3 | 14.8 | 3.9 |
| Rift Valley Rural | 9.6 | 14.1 | 9.6 | 85.4 | 12.9 | 1.6 | 11.2 | 83.0 | 14.1 | 2.9 |
| Western Rural | 14.7 | 20.7 | 9.9 | 81.9 | 16.1 | 2.0 | 9.4 | 83.3 | 14.9 | 1.8 |
| Total Rural | 13.4 | 17.3 | 10.2 | 83.3 | 14.0 | 2.7 | 10.7 | 83.4 | 13.4 | 3.2 |
| Total Urban | 14.9 | 19.9 | 9.3 | 85.7 | 12.3 | 1.9 | 11.3 | 84.0 | 10.5 | 5.4 |
| Nairobi | 14.1 | 18.8 | 8.7 | 86.2 | 13.0 | 0.8 | 13.5 | 84.8 | 5.2 | 10.0 |
| Mombasa | 12.2 | 18.9 | 10.4 | 77.3 | 21.4 | 1.3 | 11.6 | 75.2 | 22.1 | 2.7 |
| Kisumu | 20.1 | 23.4 | 8.0 | 85.8 | 13.1 | 1.1 | 5.5 | 98.2 | 1.8 | 0.0 |
| Nakuru | 13.0 | 17.5 | 12.2 | 83.9 | 13.3 | 2.8 | 11.0 | 77.1 | 20.1 | 2.7 |
| Other urban | 16.6 | 23.2 | 9.9 | 87.8 | 8.3 | 3.8 | 8.8 | 87.2 | 11.1 | 1.7 |
| Nation | 13.7 | 17.7 | 10.1 | 83.7 | 13.8 | 2.5 | 10.8 | 83.5 | 12.9 | 3.6 |

4.2 Action Taken During Sickness

At the national level, the non-poor in both urban and rural areas appear to prefer private health care. The most frequent action taken when sick for the rural non-poor is to consult a private doctor/dispensary (24.6 per cent), and amongst the urban non-poor the first option is a private hospital (24.4 per cent). The first destination for the poor in rural areas is the public dispensary (26.7 per cent), however in urban areas this is the private doctor/dispensary. Nationally, the majority of the non-poor prefer private treatment (51.4 per cent utilising private doctors/dispensaries, private hospitals and pharmacies) and while the poor are not in a position to avail of this option as much, a considerable amount (47.7 per cent) do choose these actions first.

Table 4.2: Distribution of Population by Action taken while Sick (%)

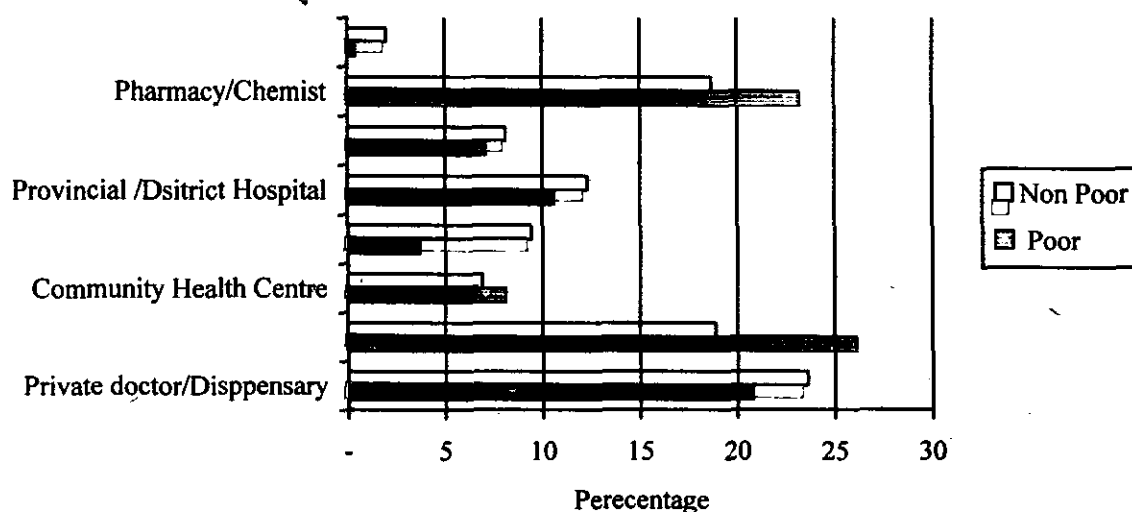
| Region | Poor | | | | | | | |
|-------------------|-----------------------------|-------------------|-------------------------|------------------|--------------------------------|---------------------------------|--------------------|----------------------------|
| | Private doctor / Dispensary | Public Dispensary | Community Health centre | Private Hospital | Provincial / District hospital | Missionary hospital /dispensary | Pharmacy / Chemist | Traditional / Faith healer |
| Central Rural | 19.5 | 43.2 | 10.2 | 0.5 | 10.4 | 8.6 | 7.6 | 0.0 |
| Coast Rural | 21.9 | 33.3 | 5.4 | 0.0 | 13.2 | 2.3 | 23.8 | 0.0 |
| Eastern Rural | 15.7 | 28.8 | 6.5 | 3.5 | 9.0 | 13.2 | 23.2 | 0.0 |
| Nyanza Rural | 16.9 | 27.0 | 12.4 | 3.5 | 8.6 | 6.2 | 25.4 | 0.0 |
| Rift Valley Rural | 30.5 | 22.3 | 10.4 | 3.6 | 8.5 | 7.6 | 17.1 | 0.0 |
| Western Rural | 21.6 | 18.1 | 11.2 | 1.5 | 6.6 | 3.9 | 37.1 | 0.0 |
| Total Rural | 20.3 | 26.7 | 9.6 | 2.7 | 8.9 | 7.8 | 24.1 | 0.0 |
| Total Urban | 23.7 | 23.0 | 0.5 | 8.7 | 19.5 | 4.0 | 18.4 | 2.2 |
| Nairobi | 26.3 | 30.2 | 0.0 | 12.5 | 5.3 | 5.0 | 20.6 | 0.0 |
| Mombasa | 19.5 | 39.4 | 1.6 | 5.4 | 19.5 | 5.2 | 6.1 | 3.2 |
| Kisumu | 21.8 | 11.6 | 4.3 | 8.2 | 27.2 | 1.7 | 10.9 | 14.3 |
| Nakuru | 2.6 | 31.6 | 0.0 | 0.0 | 39.7 | 0.0 | 26.1 | 0.0 |
| Other urban | 24.8 | 10.7 | 0.0 | 5.4 | 34.2 | 3.7 | 19.3 | 1.9 |
| Nation | 20.8 | 26.1 | 8.1 | 3.7 | 10.6 | 7.1 | 23.2 | 0.4 |

| Region | Non Poor | | | | | | | |
|-------------------|--------------------------------|----------------------|----------------------------|---------------------|-----------------------------------|------------------------------------|-----------------------|-------------------------------|
| | Private doctor / Dispensary | Public Dispensary | Community Health centre | Private Hospital | Provincial / District hospital | Missionary hospital /dispensary | Pharmacy / Chemist | Traditional / Faith healer |
| Central Rural | 31.6 | 17.7 | 8.0 | 8.2 | 15.9 | 7.8 | 10.6 | 0.2 |
| Coast Rural | 32.9 | 22.0 | 7.1 | 5.8 | 12.9 | 0.8 | 18.1 | 0.5 |
| Eastern Rural | 31.1 | 20.1 | 4.3 | 5.0 | 5.9 | 14.8 | 17.4 | 1.3 |
| Nyanza Rural | 16.8 | 21.8 | 9.8 | 7.4 | 6.5 | 6.3 | 24.6 | 6.9 |
| Rift Valley Rural | 23.6 | 22.8 | 9.0 | 6.8 | 12.9 | 12.6 | 10.3 | 1.9 |
| Western Rural | 14.7 | 14.2 | 10.3 | 1.8 | 10.8 | 6.0 | 41.8 | 0.5 |
| Total Rural | 24.6 | 19.9 | 8.0 | 6.0 | 10.3 | 9.5 | 19.5 | 2.2 |
| Total Urban | 19.6 | 14.6 | 1.9 | 24.4 | 21.0 | 2.0 | 15.1 | 1.4 |
| Nairobi | 22.1 | 23.3 | 0.8 | 27.0 | 4.9 | 2.5 | 18.8 | 0.7 |
| Mombasa | 24.6 | 5.1 | 6.9 | 46.4 | 13.2 | 1.3 | 1.1 | 1.5 |
| Kisumu | 27.4 | 3.7 | 2.4 | 20.0 | 33.6 | 0.0 | 11.0 | 1.9 |
| Nakuru | 14.5 | 17.6 | 0.0 | 6.8 | 39.3 | 0.9 | 20.9 | 0.0 |
| Other urban | 13.5 | 8.6 | 0.9 | 13.4 | 41.8 | 2.4 | 16.9 | 2.5 |
| Nation | 23.6 | 18.9 | 6.9 | 9.4 | 12.3 | 8.1 | 18.7 | 2.0 |

Table 4.2 shows the distribution of actions taken by people when sick. Nationally, the poor prefer to visit a public dispensary (26.1 per cent), the second most favoured option is to buy drugs from the pharmacy (23.2 per cent); the third option is to visit a private doctor/dispensary (20.8 per cent). As for the non-poor population, 23.6 per cent visited private doctors/dispensaries, 18.9 per cent visited public dispensaries, and 18.7 per cent bought drugs from pharmacies.

There is also an urban-rural divide within the categories of poor and non-poor. In terms of ranking the action taken by the rural poor, public dispensary is first (26.7 per cent), followed by purchasing drugs in the pharmacy (24.1 per cent) and the private doctor/dispensary (20.3 per cent). The list is somewhat different for the urban poor, in this case first was private doctors/dispensaries (23.7 per cent), followed by a public dispensary (23 per cent) and provincial /district hospitals. However, a big percentage (18.4 per cent) of the urban poor also purchased drugs over the counter.

Chart: 4.1 Distribution of Action Taken During Sickness



For the non-poor private treatment is the predominant action, however the type differs between urban and rural areas. Amongst the rural non-poor, private doctors /dispensaries were mostly preferred (24.6 per cent) followed closely by public dispensaries (19.9 per cent) and purchase of drugs over the counter (19.5 per cent). The urban non-poor however preferred private hospital as their first option followed by provincial /district hospital (21 per cent) and private doctor/dispensary (19.6 per cent) as their third option. (See Annex 4.2a and Annex 4.2b).

4.3 Days of Work Missed and Action Taken

Over 88 per cent of those sick received treatment regardless of their poverty status (See Table 4.3). At national level, the poor missed work for an average of seven days in a month while the non-poor missed work for about eight. Those in the rural areas reported a slightly higher number of days of work missed (eight) compared to those in the urban areas (six). Nationally, a higher percentage of the non-poor (92.3 per cent) received treatment while sick compared to the poor (88.2 per cent), there is a small difference on whether or not treatment was received between the rural and the urban poor, however, the non-poor did not have significant difference between them.

Table 4.3: Distribution of Sick Population by Days Missed Work and Whether received Treatment

| Region | Poor | | | Non-poor | | |
|-------------------|------------------|-----------|-----------|------------------|-----------|-----------|
| | Average No. Days | Received | No | Average No. Days | Received | No |
| | Missed work | Treatment | Treatment | Missed work | Treatment | Treatment |
| Central Rural | 9.0 | 92.3 | 7.7 | 8.2 | 91.9 | 8.1 |
| Coast Rural | 7.5 | 82.5 | 17.5 | 5.5 | 92.1 | 7.9 |
| Eastern Rural | 7.4 | 88.7 | 11.3 | 7.5 | 96.3 | 3.7 |
| Nyanza Rural | 7.7 | 86.0 | 14.0 | 9.0 | 88.0 | 12.0 |
| Rift Valley Rural | 8.4 | 89.7 | 10.3 | 9.5 | 92.3 | 7.7 |
| Western Rural | 5.9 | 87.3 | 12.7 | 6.8 | 92.3 | 7.7 |
| Total Rural | 7.5 | 87.6 | 12.4 | 8.1 | 92.2 | 7.8 |
| Total Urban | 5.7 | 91.6 | 8.4 | 5.6 | 92.7 | 7.3 |
| Nairobi | 4.9 | 90.5 | 9.5 | 6.3 | 89.2 | 10.8 |
| Mombasa | 7.8 | 75.4 | 24.6 | 5.8 | 94.1 | 5.9 |
| Kisumu | 4.6 | 97.2 | 2.8 | 4.0 | 87.5 | 12.5 |
| Nakuru | 8.4 | 98.8 | 1.2 | 5.1 | 97.2 | 2.8 |
| Other urban | 6.2 | 95.1 | 4.9 | 5.0 | 97.1 | 2.9 |
| Nation | 7.2 | 88.2 | 11.8 | 7.7 | 92.3 | 7.7 |

4.4 Reasons for Not Using Medical Care

This is quite a small number of people, only 12 per cent of the poor and eight per cent of the non-poor who reported being sick. Of these, 40 per cent of the poor did not seek medical care because it was too expensive, 26.9 per cent did not seek care because their illness was minor, and 22.2 per cent treated themselves. Amongst the non-poor about half of them did not use medical care because they only had minor illnesses, only 16.4 per cent did not seek medical care because it was too expensive, this was much higher in rural areas (19.5 per cent) than urban areas (1.8 per cent). Religious beliefs as a reason for not using medical care were only significant for the poor in the rural Coast areas where it was 9.6 per cent, amongst the non-poor this was highest in Central rural (4.3 per cent).

Table 4.4a Reason for Not Having Used Medical Care While Sick in the Past four Weeks (%)

| Region | Poor | | | | | | |
|-------------------|---------------|----------------|---------------|---------|--------------|-------------------|--------------|
| | Minor Illness | Self Treatment | Too Expensive | Too Far | Head Refused | Religious Beliefs | Other Reason |
| Central Rural | 58.3 | 14.4 | 11.4 | 0.0 | 0.0 | 0.0 | 16.0 |
| Coast Rural | 27.3 | 40.9 | 10.7 | 2.8 | 4.6 | 9.6 | 4.2 |
| Eastern Rural | 17.7 | 14.0 | 51.5 | 1.3 | 0.0 | 1.8 | 13.8 |
| Nyanza Rural | 40.0 | 23.1 | 27.8 | 4.5 | 0.0 | 1.6 | 3.0 |
| Rift Valley Rural | 22.9 | 25.1 | 45.6 | 2.7 | 0.0 | 0.6 | 3.2 |
| Western Rural | 18.0 | 6.3 | 65.1 | 2.7 | 1.2 | 0.0 | 6.7 |
| Total Rural | 27.9 | 20.2 | 39.5 | 2.9 | 0.7 | 2.1 | 6.7 |
| Total Urban | 16.9 | 37.0 | 43.8 | 0.0 | 0.0 | 0.2 | 2.1 |
| Nairobi | 11.5 | 16.7 | 71.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| Mombasa | 0.0 | 90.3 | 9.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kisumu | 64.2 | 0.0 | 35.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nakuru | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other urban | 49.0 | 20.9 | 17.6 | 0.0 | 0.0 | 0.9 | 11.5 |
| Nation | 26.6 | 22.2 | 40.0 | 2.5 | 0.6 | 1.9 | 6.2 |

About half of the non-poor did not use medical care because they had minor illnesses, 21.1 per cent used self treatment, 16.4 per cent found treatment too expensive and 4.5 per cent considered it to be too far. A very small percentage did not use medical care due to religious beliefs or that the head of households refused although other reasons for having not used medical care was significant (6.3 per cent).

Table 4.4b Reason for Not Having Used Medical Care While Sick in the Past four Weeks (%)

| Region | Non-Poor | | | | | | |
|-------------------|---------------|----------------|---------------|---------|--------------|-------------------|--------------|
| | Minor Illness | Self Treatment | Too Expensive | Too Far | Head Refused | Religious Beliefs | Other Reason |
| Central Rural | 54.9 | 19.5 | 7.1 | 3.2 | 0.0 | 5.1 | 10.2 |
| Coast Rural | 54.8 | 19.8 | 5.7 | 0.0 | 0.0 | 4.3 | 15.4 |
| Eastern Rural | 64.2 | 0.0 | 28.2 | 0.0 | 0.0 | 0.0 | 7.6 |
| Nyanza Rural | 25.3 | 32.8 | 28.0 | 12.0 | 0.0 | 0.0 | 1.8 |
| Rift Valley Rural | 48.1 | 26.5 | 12.2 | 5.3 | 0.0 | 0.5 | 7.4 |
| Western Rural | 53.0 | 9.4 | 25.5 | 0.0 | 0.0 | 0.0 | 12.1 |
| Total Rural | 44.8 | 21.8 | 19.5 | 5.5 | 0.0 | 1.2 | 7.3 |
| Total Urban | 78.6 | 18.1 | 1.8 | 0.0 | 0.0 | 0.0 | 1.6 |
| Nairobi | 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Mombasa | 7.9 | 89.9 | 8.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kisumu | 49.6 | 50.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nakuru | 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other urban | 52.9 | 27.3 | 6.5 | 0.0 | 0.0 | 0.0 | 13.3 |
| Nation | 50.7 | 21.1 | 16.4 | 4.5 | 0.0 | 1.0 | 6.3 |

Affordability and accessibility does not appear to be a major factor among the urban non-poor but is with the rural non-poor, almost 20 per cent (ten times more than the urban non-poor) cited affordability as the reason for not using medical care, with Eastern (28.2 per cent) and Nyanza (28 per cent) rural reporting the highest percentages for this reason. Three quarters of

the urban non-poor gave minor illness as a reason for not having used medical care, with 100 per cent of Nairobi and Nakuru non-poor households giving this as a reason.

The distance to health facilities affects their use only in the rural areas; both the poor (2.9 per cent) and non-poor (5.5 per cent) cited this reason.

4.5 Time Taken to Reach Various Health Facilities

Distance or time taken to reach health facilities is considered to be an important indicator of accessibility. Table 4.5a presents information on the time taken to reach the nearest qualified doctors office; nationally, most (54.7 per cent) of the poor take over 60 minutes, very few poor people (1.2 per cent) live close to the nearest qualified doctor's office, while 29.2 per cent take between 10 and 30 minutes, 14.9 per cent between 30 and 60. A similar pattern is shown among the non-poor. Table 4.5a shows that there is an enormous divide in terms of time taken between urban and rural areas.

Table 4.5a: Distribution of time taken to reach nearest qualified doctor's office

| Region | Poor | | | | Non-Poor | | | |
|-------------------|--------------|---------------|---------------|-------------|--------------|---------------|---------------|-------------|
| | < 10 minutes | 10-29 minutes | 30-59 minutes | 60+ minutes | < 10 minutes | 10-30 minutes | 30-60 minutes | 60+ minutes |
| Central Rural | 0.1 | 25.5 | 19.1 | 55.2 | 0.5 | 24.4 | 24.0 | 51.1 |
| Coast Rural | 0.5 | 14.2 | 19.4 | 65.9 | 2.1 | 23.4 | 16.5 | 58.0 |
| Eastern Rural | 0.0 | 9.8 | 9.4 | 80.8 | 0.0 | 20.2 | 10.3 | 69.5 |
| Nyanza Rural | 0.1 | 14.2 | 16.5 | 69.1 | 0.0 | 12.2 | 18.3 | 69.6 |
| Rift Valley Rural | 0.3 | 19.7 | 18.5 | 61.4 | 1.5 | 21.7 | 17.2 | 59.5 |
| Western Rural | 0.1 | 20.3 | 16.5 | 63.1 | 0.7 | 26.1 | 18.8 | 54.4 |
| Total Rural | 0.2 | 16.8 | 16.1 | 66.8 | 0.7 | 21.2 | 18.3 | 59.7 |
| Total Urban | 5.7 | 81.1 | 9.8 | 3.5 | 9.0 | 78.5 | 11.4 | 1.1 |
| Nairobi | 6.8 | 82.4 | 5.7 | 5.1 | 11.5 | 74.9 | 12.7 | 0.9 |
| Mombasa | 4.3 | 83.1 | 11.4 | 1.2 | 3.0 | 80.0 | 17.0 | 0.0 |
| Kisumu | 2.7 | 90.9 | 5.1 | 1.3 | 3.5 | 92.6 | 3.9 | 0.0 |
| Nakuru | 10.4 | 86.8 | 1.4 | 1.4 | 10.2 | 85.9 | 2.5 | 1.4 |
| Other urban | 4.1 | 74.9 | 18.6 | 2.4 | 9.2 | 79.1 | 9.8 | 1.9 |
| Nation | 1.2 | 29.2 | 14.9 | 54.7 | 2.5 | 33.4 | 16.9 | 47.3 |

Table 4.5b and Table 4.5c show the percentage distribution of households by time taken to reach the nearest dispensary and hospital. A similar pattern observed in table 4.5a above is repeated, for example, comparisons between rural and urban areas in table 4.5b shows that over 80 per cent of the urban population live within 10-30 minutes of the nearest dispensary compared to 34.7 per cent of the rural poor and 41.3 per cent of the rural non-poor.

Hospitals are even further away – the majority of the poor (70.3 per cent) and non-poor (63.9 per cent) live more than half an hour away from the nearest hospital. Eastern Rural for the poor (90.3 per cent) and Nyanza rural for the non-poor (82.4 per cent) reported the highest time taken to reach to the nearest hospital, while the urban population on average travel a shorter distance to reach the nearest hospital.

Table 4.5b: Distribution of Time Taken to Reach the Nearest Dispensary (%)

| Region | Poor | | | | Non-Poor | | | |
|--------------------|----------------|------------------|------------------|----------------|-----------------|------------------|------------------|----------------|
| | < 1 Minutes | 10-30 Minutes | 30-60 Minutes | 60+ Minutes | < 10 Minutes | 10-30 Minutes | 30-60 Minutes | 60+ Minutes |
| Central Rural | 2.9 | 43.7 | 27.2 | 26.1 | 2.2 | 48.7 | 28.7 | 20.4 |
| Coast Rural | 1.8 | 36.8 | 18.6 | 42.9 | 3.5 | 55.8 | 16.1 | 24.7 |
| Eastern Rural | 1.3 | 32.7 | 17.7 | 48.4 | 0.7 | 40.5 | 19.8 | 39.0 |
| Nyanza Rural | 0.2 | 37.7 | 28.7 | 33.4 | 1.8 | 35.1 | 29.0 | 34.0 |
| Rift Valley Rural | 0.6 | 29.7 | 24.2 | 45.5 | 2.3 | 34.9 | 25.7 | 37.1 |
| Western Rural | 0.9 | 32.6 | 28.4 | 38.2 | 1.6 | 42.4 | 21.3 | 34.8 |
| Total Rural | 1.0 | 34.7 | 24.7 | 39.7 | 2.0 | 41.3 | 25.2 | 31.5 |
| Total Urban | 4.7 | 83.7 | 9.6 | 1.9 | 5.8 | 82.5 | 10.2 | 1.6 |
| Nairobi | 8.0 | 82.7 | 8.7 | 0.6 | 9.2 | 74.1 | 16.2 | 0.4 |
| Mombasa | 0.0 | 90.6 | 7.6 | 1.8 | 3.2 | 94.4 | 2.5 | 0.0 |
| Kisumu | 2.2 | 95.1 | 1.8 | 0.9 | 4.2 | 95.8 | 0.0 | 0.0 |
| Nakuru | 1.6 | 90.6 | 7.2 | 0.7 | 0.0 | 92.2 | 5.6 | 2.1 |
| Other urban | 2.2 | 78.9 | 14.2 | 4.7 | 4.0 | 83.4 | 8.2 | 4.3 |
| Nation | 1.7 | 44.1 | 21.8 | 32.4 | 2.8 | 50.1 | 22.0 | 25.2 |

Table 4.5c: Distribution of Time Taken to Reach the Nearest Hospital (%)

| Region | Poor | | | | Non-Poor | | | |
|--------------------|-----------------|------------------|------------------|----------------|-----------------|------------------|------------------|----------------|
| | < 10 Minutes | 10-30 Minutes | 30-60 Minutes | 60+ Minutes | < 10 Minutes | 10-30 Minutes | 30-60 Minutes | 60+ Minutes |
| Central Rural | 0.0 | 10.2 | 17.0 | 72.8 | 0.3 | 13.8 | 15.7 | 70.2 |
| Coast Rural | 0.5 | 8.0 | 17.3 | 74.2 | 1.2 | 10.2 | 14.6 | 74.0 |
| Eastern Rural | 0.0 | 5.6 | 4.1 | 90.3 | 0.0 | 13.2 | 8.7 | 78.0 |
| Nyanza Rural | 0.0 | 6.3 | 12.2 | 81.5 | 0.0 | 6.5 | 14.0 | 79.5 |
| Rift Valley Rural | 0.1 | 7.8 | 12.7 | 79.4 | 0.0 | 8.2 | 13.3 | 78.5 |
| Western Rural | 0.3 | 6.9 | 10.5 | 82.4 | 0.0 | 7.9 | 15.9 | 76.2 |
| Total Rural | 0.1 | 7.1 | 11.4 | 81.4 | 0.2 | 10.2 | 13.8 | 75.9 |
| Total Urban | 0.5 | 47.5 | 28.3 | 23.7 | 1.4 | 50.7 | 28.6 | 19.3 |
| Nairobi | 0.0 | 36.9 | 28.0 | 35.1 | 0.0 | 36.2 | 33.7 | 30.1 |
| Mombasa | 0.0 | 48.0 | 35.8 | 16.3 | 0.0 | 57.2 | 32.0 | 10.8 |
| Kisumu | 0.0 | 73.0 | 24.9 | 2.1 | 0.0 | 73.8 | 21.1 | 5.1 |
| Nakuru | 0.0 | 48.1 | 30.8 | 21.1 | 0.0 | 55.5 | 27.0 | 17.5 |
| Other urban | 1.9 | 59.2 | 26.2 | 12.7 | 5.0 | 64.1 | 20.6 | 10.3 |
| Nation | 0.2 | 14.9 | 14.6 | 70.3 | 0.4 | 18.8 | 16.9 | 63.9 |

4.6 Health Expenditure

Amongst the rural poor households health accounts for 11.8 per cent of expenditure on non-food items (see Chapter Seven on Expenditure), in urban areas, however, it does not feature among the urban poor as a major expenditure item, taking only five per cent of the total non-food budget. The big urban cities of Nairobi (3.5 per cent) and Mombasa (5 per cent) reported the least allocation of the non-food budget to health. Health expenditure amongst the rural non-poor ranks fourth amongst non-food expenditure, it ranks second with the rural non-poor. In Urban areas expenditure on health took the fifth rank as a major expenditure item among the non-poor households.

Table 4.6 gives the mean monthly distribution of health expenditures by region and poverty. Nationally, the non-poor spent more than the poor on all health aspects, the highest mean expenditures for both the poor (Kshs.12.5) and non-poor (Kshs. 85.7) was on medicine followed by hospital expenses where the non-poor spent over eleven times that of the poor. The non-poor spent more on doctors' fees (KShs.11.8) compared to the poor (KShs.1.2). This

corresponds with the fact that more of the non-poor visited private doctors/ dispensaries where the costs are relatively higher.

The non-poor in Rift Valley rural had the highest mean expenditure (KShs.10.5) of doctors' fees while those in Central province had the highest expenditure on medicine (Kshs.125.3). As shown in Annex 4.6, the poor in areas like Kwale, Lamu, Taita Taveta and Tana River reported very low mean expenditures

Table 4.6: Mean Expenditures on Health by Poverty (KShs monthly)

| Region | Doctor's fees | | Medicine | | Hospital | | Other medical | | Medical insurance | |
|-------------------|---------------|----------|----------|----------|----------|----------|---------------|----------|-------------------|----------|
| | Poor | non-poor | Poor | non-poor | Poor | non-poor | Poor | non-poor | Poor | non-poor |
| Central Rural | 0.8 | 6.4 | 11.7 | 125.3 | 1.0 | 21.3 | 0.5 | 16.3 | 0.6 | 2.7 |
| Coast Rural | 0.3 | 6.3 | 8.6 | 25.9 | 0.4 | 3.9 | 0.5 | 1.4 | 0.0 | 1.3 |
| Eastern Rural | 0.8 | 3.6 | 11.9 | 46.7 | 4.6 | 32.6 | 0.9 | 3.8 | 0.2 | 2.3 |
| Nyanza Rural | 0.5 | 5.2 | 9.7 | 28.6 | 2.4 | 22.7 | 1.7 | 4.8 | 0.5 | 2.3 |
| Rift Valley Rural | 1.4 | 10.5 | 10.2 | 84.6 | 2.1 | 25.0 | 0.4 | 4.4 | 0.8 | 3.9 |
| Western Rural | 0.5 | 4.7 | 14.2 | 46.5 | 3.0 | 13.4 | 2.5 | 3.0 | 0.3 | 1.9 |
| Total Rural | 0.8 | 6.7 | 11.1 | 73.2 | 2.5 | 22.3 | 1.1 | 7.2 | 0.4 | 2.7 |
| Total Urban | 2.9 | 31.0 | 18.4 | 132.0 | 6.4 | 89.1 | 2.2 | 12.8 | 1.7 | 18.8 |
| Nairobi | 1.1 | 30.0 | 12.4 | 162.3 | 8.3 | 167.8 | 0.0 | 9.9 | 0.6 | 25.8 |
| Mombasa | 0.6 | 36.2 | 16.3 | 44.0 | 6.4 | 15.6 | 0.0 | 8.9 | 0.3 | 5.0 |
| Kisumu | 17.2 | 44.6 | 39.1 | 87.4 | 3.1 | 16.3 | 0.8 | 42.3 | 6.0 | 28.4 |
| Nakuru | 2.5 | 44.7 | 45.4 | 205.0 | 0.6 | 28.2 | 3.3 | 22.3 | 9.5 | 36.4 |
| Other urban | 3.6 | 23.8 | 19.6 | 122.5 | 5.1 | 41.3 | 6.7 | 12.8 | 1.5 | 10.1 |
| Nation | 1.2 | 11.8 | 12.5 | 85.7 | 3.3 | 36.4 | 1.3 | 8.4 | 0.7 | 6.1 |

There were also significant differences in expenditures between the urban and rural areas regardless of poverty status, for example, while the mean expenditure on medicines for the urban non-poor was Kshs. 132 that for the rural non-poor was only Kshs. 73.2.

4.7 Maternal and Child Health Care Delivery

Safe delivery, where medical and hygienic conditions exist reduces the risk of complications and infections that may cause death or illness to the mother and/or the baby.

Table 4.7: Distribution of place of delivery by poverty (%)

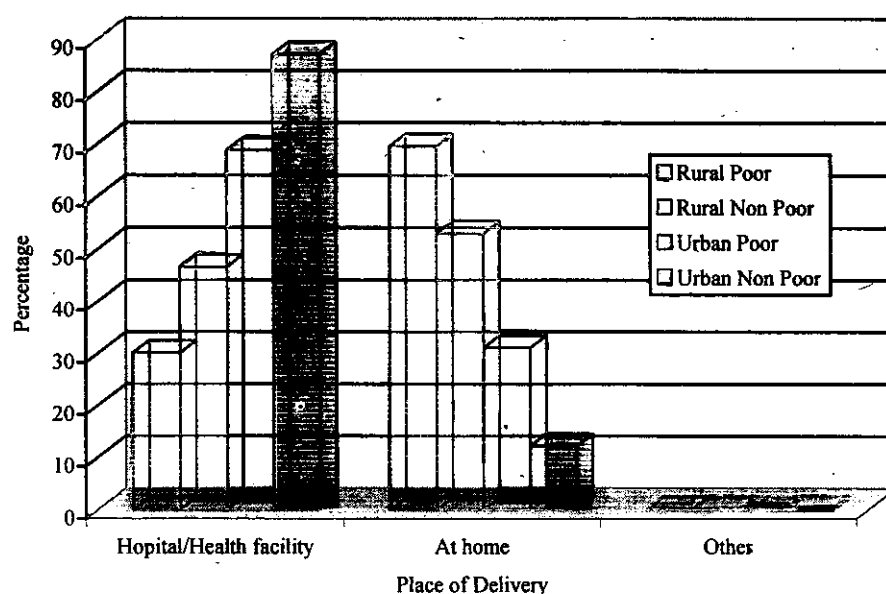
| Region | Poor | | | Non Poor | | |
|-------------------|----------------------------|---------|-------|----------------------------|---------|-------|
| | Hospital / Health Facility | At home | Other | Hospital / Health Facility | At home | Other |
| Central rural | 68.2 | 31.8 | 0.0 | 73.6 | 25.9 | 0.4 |
| Coast rural | 15.7 | 84.3 | 0.0 | 27.0 | 72.4 | 0.5 |
| Eastern rural | 33.4 | 66.3 | 0.3 | 50.9 | 47.7 | 1.4 |
| Nyanza rural | 38.9 | 60.1 | 1.0 | 41.1 | 58.6 | 0.3 |
| Rift Valley rural | 22.3 | 77.7 | 0.0 | 41.3 | 58.6 | 0.1 |
| Western rural | 24.2 | 75.5 | 0.3 | 30.6 | 69.4 | 0.0 |
| Total Rural | 30.1 | 69.6 | 0.3 | 46.6 | 53.0 | 0.4 |
| Total Urban | 68.9 | 31.1 | 0.0 | 87.3 | 12.2 | 0.5 |
| Nairobi | 68.8 | 31.3 | 0.0 | 88.9 | 11.1 | 0.0 |
| Mombasa | 52.5 | 47.5 | 0.0 | 77.5 | 20.0 | 2.5 |
| Kisumu | 68.4 | 31.6 | 0.0 | 95.6 | 4.4 | 0.0 |
| Nakuru | 79.5 | 20.5 | 0.0 | 88.0 | 12.0 | 0.0 |
| Other Towns | 70.5 | 29.5 | 0.0 | 86.8 | 12.6 | 0.5 |
| Nation | 35.4 | 64.4 | 0.2 | 52.3 | 47.3 | 0.4 |

Table 4.7 shows the distribution of place of delivery by region and poverty status. The situation at the national level shows that most children from poor households (64.4 per cent) were delivered at home whereas most children from non-poor households (52.3 per cent) were delivered in hospital or at health facilities.

However, rural-urban comparison shows that a high percentage of mothers in both urban poor (68.9 per cent) and non-poor (87.3 per cent) areas delivered in hospitals. In rural areas, only 30.1 per cent of the poor and 46.6 per cent of the non-poor delivered in a hospital or health facility, suggesting that place of delivery is perhaps as much a function of location as it is of poverty status (See Chart 4.2).

At provincial level, Central Province had the highest percentage of poor non-poor mothers (68.2 per cent and 73.6 per cent) delivering in hospitals, with Meru leading among the districts (96.2 per cent) followed by Embu (88.9 per cent) as shown in Annex 4.7. Coast Province had the highest percentage of poor and non-poor mothers (72.4 per cent and 84.3 per cent) delivering at home.

Chart 4.2 Distribution of Mothers' Place of Delivery



4.8 Assistance during delivery

The health of a pregnant mother and careful management of childbirth are important factors in the health and survival of both mother and child. Table 4.8 shows the type of attendant that assisted during delivery by region and poverty. Traditional Birth Attendants (TBAs) are the most common source of assistance amongst the poor (44.4 per cent) and non-poor (38 per cent) in the rural areas. In urban areas a nurse is the most common type of attendant for both poor (36.2 per cent) and non-poor (37.3 per cent), closely followed by a midwife (31.1 per cent for poor and 29.9 per cent for non-poor), the table shows TBAs are not as common in urban areas only assisting 15.1 per cent of poor women and slightly over eight per cent of the non-poor. The national figures are therefore disguising a big gap in the type of assistance received between urban and rural areas, and the important role that TBAs play in rural areas, shows that accessibility to health facilities is difficult for all, regardless of poverty status.

Table 4.8: Distribution of Assistance During Delivery (%)

| Region | Poor | | | | | Non-poor | | | | |
|-------------|--------|-------|---------|-------|------|----------|-------|---------|-------|------|
| | Doctor | Nurse | Midwife | T.B.A | Self | Doctor | Nurse | Midwife | T.B.A | Self |
| Central | 6.5 | 35.9 | 29.4 | 14.7 | 13.5 | 11.9 | 35.2 | 28.2 | 13.7 | 11.0 |
| Coast | 2.0 | 10.0 | 11.2 | 54.2 | 22.5 | 4.3 | 16.3 | 13.0 | 56.0 | 10.3 |
| Eastern | 3.6 | 13.9 | 23.1 | 48.8 | 10.5 | 5.6 | 18.6 | 28.8 | 36.1 | 10.9 |
| Nyanza | 3.7 | 27.5 | 9.7 | 32.5 | 26.7 | 2.6 | 25.1 | 14.9 | 41.4 | 16.0 |
| Rift Valley | 2.4 | 11.5 | 14.1 | 55.9 | 16.0 | 3.4 | 22.0 | 18.9 | 45.6 | 10.2 |
| Western | 4.0 | 9.4 | 13.7 | 37.0 | 35.9 | 3.0 | 10.3 | 21.4 | 43.2 | 22.2 |
| Total Rural | 3.4 | 16.0 | 15.7 | 44.4 | 20.5 | 5.3 | 23.0 | 21.1 | 38.0 | 12.5 |
| Total Urban | 7.4 | 36.2 | 29.9 | 15.1 | 11.4 | 19.7 | 37.3 | 31.1 | 8.4 | 3.5 |
| Nairobi | 12.5 | 12.5 | 46.9 | 15.6 | 12.5 | 28.9 | 15.6 | 44.4 | 4.4 | 6.7 |
| Mombasa | 12.5 | 37.5 | 10.0 | 25.0 | 15.0 | 45.0 | 32.5 | 2.5 | 15.0 | 5.0 |
| Kisumu | 8.8 | 33.3 | 29.8 | 24.6 | 3.5 | 15.6 | 55.6 | 24.4 | 2.2 | 2.2 |
| Nakuru | 5.1 | 33.3 | 43.6 | 2.6 | 15.4 | 28.0 | 32.0 | 28.0 | 6.0 | 6.0 |
| Other Towns | 5.5 | 41.5 | 28.4 | 12.6 | 12.0 | 11.1 | 40.5 | 36.3 | 10.0 | 2.1 |
| Nation | 3.9 | 18.8 | 17.6 | 40.4 | 19.3 | 7.3 | 25.0 | 22.5 | 33.9 | 11.3 |

The observed high percentage of self-delivery particularly among the rural poor could be due to both accessibility and affordability of delivery assistance.

4.9 Child Immunisation

Vaccination against measles, polio, tuberculosis (TB), diphtheria, pertusis and tetanus (DPT) addresses early childhood problems of morbidity, mortality and disability. Table 4.9 shows the immunisation status by antigen and poverty group. Immunization coverage is quite high throughout the country and there are no marked differences in coverage between the poor and non-poor or between the rural and urban. Urban towns like Nairobi, Nakuru and Kisumu recorded a 100 per cent immunization coverage for most of antigens. This high immunization coverage nationwide could be because of the intensified immunization campaigns, increased awareness among parents, and the fact that the immunization service is provided free of charge in most of the health units in the country. Annex 4.9 gives the immunization coverage by districts.

Table 4.9 Immunization Coverage of under fives by Antigen (%)

| Region | BCG | | DPT1 | | DPT2 | | DPT3 | | Polio birth | | Polio 1 | | Polio2 | | Polio3 | | Measles Vaccine | |
|-------------------|-------|----------|-------|----------|-------|----------|-------|----------|-------------|----------|---------|----------|--------|----------|--------|----------|-----------------|----------|
| | Poor | Non-Poor | Poor | Non-Poor | Poor | Non-Poor | Poor | Non-Poor | Poor | Non-Poor | Poor | Non-Poor | Poor | Non-Poor | Poor | Non-Poor | Poor | Non-Poor |
| Central rural | 96.4 | 98.9 | 94.0 | 98.9 | 94.6 | 98.6 | 91.0 | 97.3 | 91.0 | 95.9 | 94.0 | 98.6 | 94.6 | 98.4 | 91.0 | 96.6 | 87.5 | 90.0 |
| Coast rural | 96.3 | 96.8 | 96.4 | 97.3 | 94.7 | 96.8 | 93.2 | 94.7 | 63.1 | 87.6 | 96.4 | 97.3 | 94.7 | 96.3 | 93.2 | 94.7 | 84.7 | 88.5 |
| Eastern rural | 97.9 | 99.6 | 96.1 | 98.2 | 94.0 | 96.9 | 88.6 | 92.3 | 82.2 | 93.4 | 96.1 | 98.6 | 94.0 | 97.2 | 88.6 | 92.7 | 82.4 | 83.6 |
| Nyanza rural | 82.6 | 90.5 | 78.2 | 88.5 | 74.6 | 87.0 | 70.8 | 83.0 | 69.8 | 79.6 | 78.1 | 88.2 | 75.1 | 86.7 | 70.7 | 83.0 | 63.3 | 77.1 |
| Rift Valley rural | 95.5 | 95.5 | 93.4 | 96.4 | 92.3 | 95.1 | 86.9 | 92.4 | 82.1 | 91.5 | 93.3 | 96.6 | 92.3 | 95.5 | 86.0 | 92.5 | 77.9 | 86.8 |
| Western rural | 93.0 | 94.2 | 90.1 | 92.4 | 87.6 | 89.9 | 82.8 | 84.6 | 67.9 | 73.7 | 89.8 | 92.4 | 87.3 | 89.9 | 82.6 | 84.6 | 69.6 | 72.8 |
| Total Rural | 93.6 | 95.9 | 91.2 | 95.5 | 89.3 | 94.4 | 84.9 | 91.2 | 76.5 | 88.6 | 91.1 | 95.5 | 89.4 | 94.4 | 84.5 | 91.2 | 76.4 | 84.2 |
| Total Urban | 98.8 | 98.8 | 96.9 | 98.6 | 96.9 | 98.4 | 95.2 | 96.8 | 92.4 | 95.5 | 96.9 | 98.4 | 96.9 | 98.4 | 95.2 | 96.8 | 88.1 | 88.4 |
| Nairobi | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 94.4 | 98.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 88.6 | 87.8 |
| Mombasa | 97.4 | 95.0 | 92.5 | 95.0 | 95.0 | 95.0 | 90.0 | 95.0 | 84.6 | 90.0 | 92.5 | 95.0 | 95.0 | 95.0 | 90.0 | 95.0 | 92.5 | 90.0 |
| Kisumu | 100.0 | 100.0 | 100.0 | 95.7 | 100.0 | 97.9 | 98.3 | 93.6 | 93.1 | 93.6 | 100.0 | 97.9 | 100.0 | 97.9 | 98.3 | 93.6 | 84.5 | 83.0 |
| Nakuru | 97.4 | 100.0 | 95.1 | 100.0 | 95.1 | 100.0 | 95.1 | 96.2 | 95.1 | 98.1 | 95.1 | 100.0 | 95.1 | 100.0 | 95.1 | 96.2 | 87.5 | 92.5 |
| Other Towns | 98.8 | 98.9 | 96.6 | 99.4 | 96.0 | 98.4 | 94.4 | 97.3 | 92.7 | 95.7 | 96.6 | 98.4 | 96.0 | 98.4 | 94.4 | 97.3 | 88.3 | 88.5 |

CHAPTER 5: AGRICULTURE AND NON-FARM INFORMAL ENTERPRISES

5.0. Introduction

Agriculture, which includes both crop growing and livestock husbandry, accounts for approximately one third of the Gross Domestic Product (GDP) and employs more than two thirds of the labour force in Kenya. Apart from generating the bulk of the country's food requirements, the sector provides a significant proportion of raw materials for the agro-industries and also accounts for about 70 per cent of the country's export earnings.

The core and expenditure modules of WMS III captured information on land holding area, livestock ownership, expenditure on inputs of both agriculture and non-farm enterprises. However detailed agricultural information, such as crop production, was captured in the agriculture module conducted separately, which is yet to be analysed.

5.1 Land-Holding Size

Land holding was defined as land owned or operated by the household either under crops or livestock rearing. This included both land owned or operated within and outside the districts. Table 5.1a shows the distribution of households by land holding. It is evident from the table that of those who own land the majority of both the poor (70.7 per cent) and non-poor (72.7 per cent) own /operate less than four acres; however a slightly larger proportion of the non-poor (6.9 per cent) than the poor (5.6 per cent) owned/operated more than 10 acres. Both the poor and non-poor rural households were better off in terms of land holding than their urban counterparts. While the proportion of households owning/operating no land at all in urban was over 70 per cent for both the poor and non-poor, that of rural was less than 20 per cent.

Table 5.1a: Distribution of households by Land holding (%)

| | Poor | | | | | | | Non-poor | | | | | | |
|-------------------|---------|------|--------|--------|--------|------|--|----------|------|--------|--------|--------|------|--|
| | No Land | < 1 | 1-1.99 | 2-3.99 | 4-9.99 | 10+ | | No Land | < 1 | 1-1.99 | 2-3.99 | 4-9.99 | 10+ | |
| Central Rural | 15.8 | 22.0 | 27.7 | 24.7 | 8.8 | 1.1 | | 17.5 | 21.3 | 26.5 | 21.1 | 10.4 | 3.3 | |
| Coast Rural | 13.3 | 3.3 | 16.0 | 33.2 | 29.2 | 4.9 | | 41.1 | 1.6 | 7.5 | 24.5 | 16.7 | 8.6 | |
| Eastern Rural | 11.4 | 7.2 | 19.1 | 28.5 | 22.6 | 11.3 | | 10.2 | 7.2 | 19.4 | 29.8 | 20.9 | 12.6 | |
| Nyanza Rural | 9.9 | 8.8 | 23.6 | 35.9 | 17.8 | 4.0 | | 12.6 | 8.5 | 22.2 | 35.7 | 19.1 | 1.9 | |
| Rift Valley Rural | 14.3 | 10.3 | 17.9 | 26.3 | 20.6 | 10.6 | | 21.6 | 6.2 | 14.1 | 24.1 | 21.4 | 12.6 | |
| Western Rural | 6.0 | 17.2 | 28.0 | 26.2 | 19.2 | 3.5 | | 11.8 | 12.0 | 23.3 | 26.6 | 19.1 | 7.2 | |
| Total Rural | 11.5 | 11.2 | 22.0 | 29.4 | 19.4 | 6.6 | | 17.3 | 11.1 | 20.2 | 26.3 | 17.5 | 7.5 | |
| Total Urban | 70.6 | 3.6 | 7.0 | 10.4 | 6.9 | 1.5 | | 70.5 | 4.9 | 4.7 | 8.4 | 7.1 | 4.4 | |
| Nairobi | 73.0 | 3.4 | 5.4 | 10.7 | 5.4 | 2.1 | | 72.2 | 6.9 | 3.5 | 5.4 | 5.3 | 6.7 | |
| Mombasa | 54.2 | 3.4 | 11.4 | 9.4 | 20.9 | 0.7 | | 61.3 | 3.7 | 6.5 | 12.0 | 14.4 | 2.1 | |
| Kisumu | 61.2 | 4.8 | 3.5 | 26.5 | 4.1 | 0.0 | | 67.6 | 3.8 | 3.2 | 16.8 | 7.7 | 1.0 | |
| Nakuru | 88.9 | 2.0 | 6.4 | 2.2 | 0.5 | 0.0 | | 86.5 | 1.6 | 3.9 | 3.4 | 3.1 | 1.4 | |
| Other urban | 71.4 | 4.2 | 8.8 | 8.4 | 5.8 | 1.4 | | 69.1 | 3.8 | 5.7 | 11.3 | 6.5 | 3.6 | |
| Nation | 22.8 | 9.7 | 19.1 | 25.7 | 17.0 | 5.6 | | 28.6 | 9.8 | 16.9 | 22.5 | 15.3 | 6.9 | |

5.2. Mean Land Holding

Table 5.2 shows the distribution of mean land holding by region and poverty. At the national level, the non-poor manage more land (4.1 acres) for crop and grazing than the poor (3.8 acres). In rural areas there is no major difference between the poor and the non-poor with respect to the size of land managed. The land managed by the urban households is mainly outside their district of residence.

Table 5.2. Mean Land Holding (acres)

| Region | Poor | | | Non poor | | |
|----------------------|---|---|-----------------------|---|---|-----------------------|
| | Land for crops grazing managed in the district | Land for crops grazing managed outside the district | Total Land Holding | Land for crops grazing managed in the district | Land for crops grazing managed outside the district | Total Land Holding |
| Central Rural | 1.7 | 0.2 | 1.9 | 1.9 | 0.4 | 2.3 |
| Coast Rural | 4.0 | 0.3 | 4.3 | 4.2 | 0.5 | 4.7 |
| Eastern Rural | 5.8 | 0.1 | 5.9 | 4.3 | 0.2 | 4.5 |
| Nyanza Rural | 3.5 | 0.2 | 3.7 | 2.8 | 0.2 | 3.0 |
| Rift Valley Rural | 4.8 | 0.5 | 5.3 | 5.6 | 0.9 | 6.5 |
| Western Rural | 2.9 | 0.3 | 3.2 | 3.9 | 0.5 | 4.4 |
| Total Rural | 4.0 | 0.3 | 4.3 | 3.7 | 0.5 | 4.2 |
| Total Urban | 0.3 | 1.2 | 1.5 | 0.3 | 3.6 | 3.9 |
| Nairobi | 0.1 | 1.6 | 1.7 | 0.0 | 5.7 | 5.7 |
| Mombasa | 0.0 | 2.0 | 2.0 | 0.0 | 2.2 | 2.2 |
| Kisumu | 0.6 | 0.8 | 1.4 | 0.5 | 1.2 | 1.7 |
| Nakuru | 0.2 | 0.5 | 0.7 | 0.3 | 1.2 | 1.5 |
| Other urban | 0.8 | 0.6 | 1.4 | 0.7 | 2.2 | 2.9 |
| Nation | 3.3 | 0.5 | 3.8 | 3.0 | 1.1 | 4.1 |

At the provincial level, the data shows that, for the non-poor, the Rift Valley rural manages the largest share of land for crops and grazing, followed by Eastern rural. For the poor, it is the other way round, with Eastern rural managing the larger share followed by Rift Valley rural. Land holding outside the district of residence was minimal especially in rural areas. From table 5.2 it is interesting to note that the non-poor in Nairobi have the third highest mean landholding in the country (5.7 acres), after the non-poor in Rift Valley rural (6.5 acres) and Eastern Rural (5.9 acres).

5.3. Livestock Ownership

Livestock and livestock products are important components of agricultural output upon which a sizeable population in the country depend for their daily livelihood. Livestock provides food in terms of milk, meat and other products such as hides and skins, which are inputs to other production processes. About 70 per cent of Kenya's land is in arid and semi-arid zones where the majority of the population engages in rearing of livestock as their main economic activity and source of livelihood. This sub-sector contributes a substantial share (20 per cent) to the agriculture Gross Domestic Product (GDP).

As shown in table 5.1b, the pattern of cattle ownership corresponds to the pattern observed in landholding. The proportion of urban dwellers owning cattle is far smaller than their rural counterparts. For those who have cattle the majority (both poor and non-poor) own less than five cattle. The difference between the rural poor and non-poor in terms cattle ownership (for those who own cattle) is almost insignificant. Among the provinces, Coast province had the highest proportion of households with no Cattle (79.3 per cent and 80.7 per cent respectively for the poor and non-poor). Otherwise the proportion of households with no cattle in other provinces was less than 50 per cent. Nationally, approximately half of both the non-poor and poor had no cattle.

Table 5.3a: Distribution of households by Cattle ownership (%)

| | Poor | | | | | Non-poor | | | | |
|-------------------|-----------|------|------|------|-----|-----------|------|------|------|-----|
| | No Cattle | 1 | 2-5 | 6-15 | 16+ | No Cattle | 1 | 2-5 | 6-15 | 16+ |
| Central Rural | 44.4 | 24.0 | 30.0 | 1.7 | 0.0 | 42.9 | 22.3 | 31.3 | 2.8 | 0.8 |
| Coast Rural | 79.3 | 3.7 | 9.6 | 4.2 | 3.2 | 80.7 | 2.9 | 10.0 | 2.9 | 3.5 |
| Eastern Rural | 46.1 | 12.9 | 33.2 | 6.8 | 0.9 | 35.4 | 13.7 | 40.7 | 8.1 | 2.2 |
| Nyanza Rural | 41.2 | 10.8 | 34.2 | 10.1 | 3.7 | 40.7 | 8.9 | 39.2 | 8.2 | 3.0 |
| Rift Valley Rural | 40.6 | 6.9 | 34.6 | 12.8 | 5.1 | 41.2 | 5.8 | 30.9 | 13.7 | 8.3 |
| Western Rural | 49.0 | 9.6 | 35.2 | 5.3 | 0.9 | 49.2 | 9.2 | 33.0 | 6.6 | 2.1 |
| Total Rural | 46.1 | 11.0 | 32.2 | 8.1 | 2.7 | 43.8 | 12.0 | 32.9 | 7.7 | 3.6 |
| Total Urban | 83.8 | 1.2 | 11.6 | 2.1 | 1.3 | 77.8 | 4.9 | 11.5 | 3.1 | 2.7 |
| Nairobi | 81.2 | 1.2 | 13.8 | 2.1 | 1.7 | 75.0 | 8.6 | 11.4 | 1.3 | 3.7 |
| Mombasa | 82.7 | 1.6 | 12.7 | 1.4 | 1.7 | 68.0 | 1.6 | 18.6 | 8.0 | 3.8 |
| Kisumu | 83.3 | 1.6 | 8.6 | 6.5 | 0.0 | 85.5 | 2.5 | 6.4 | 4.6 | 1.0 |
| Nakuru | 96.4 | 0.0 | 2.1 | 1.5 | 0.0 | 90.7 | 1.9 | 4.8 | 0.0 | 2.5 |
| Other urban | 86.1 | 1.3 | 10.0 | 1.4 | 1.2 | 83.0 | 2.5 | 9.9 | 3.6 | 1.0 |
| Nation | 53.3 | 9.1 | 28.2 | 6.9 | 2.4 | 51.0 | 10.5 | 28.3 | 6.7 | 3.4 |

Table 5.3b shows the mean household livestock ownership by region and poverty. On average the non-poor households own large herds of cattle, sheep, goats and pigs than the poor households. The non-poor in Rift Valley rural had the highest average number of cattle (6.7), Donkeys (0.4) and sheep, goats, and pigs (10.2), amongst the poor, Nyanza rural had the highest number of cattle and Coast rural had the highest number of sheep and goats. Nationally, the poor had smaller livestock holdings than the non-poor for cattle (2.5 against 3.2) and sheep/goats/pigs (2.4 against 3.7) and the same number of donkeys (an average of 0.1 each).

Table 5.3b. Distribution of Mean Livestock Holding by Poverty

| Region | Poor | | | Non-Poor | | |
|--------------------|------------|------------|----------------------|------------|------------|----------------------|
| | Cattle | Donkeys | Sheep/ Goats/pigs | Cattle | Donkeys | Sheep/ Goats/pigs |
| Central Rural | 1.1 | 0.0 | 1.2 | 1.5 | 0.0 | 1.3 |
| Coast Rural | 1.8 | 0.0 | 4.3 | 2.3 | 0.3 | 4.0 |
| Eastern Rural | 1.8 | 0.2 | 2.8 | 2.5 | 0.2 | 3.5 |
| Nyanza Rural | 4.2 | 0.1 | 3.2 | 3.7 | 0.1 | 2.9 |
| Rift Valley Rural | 3.9 | 0.2 | 4.1 | 6.7 | 0.4 | 10.2 |
| Western Rural | 1.7 | 0.0 | 0.5 | 2.6 | 0.0 | 1.1 |
| Total Rural | 2.8 | 0.1 | 2.8 | 3.5 | 0.2 | 4.3 |
| Total Urban | 1.1 | 0.0 | 0.7 | 2.0 | 0.0 | 1.5 |
| Nairobi | 1.1 | 0.0 | 0.6 | 2.2 | 0.0 | 1.8 |
| Mombasa | 1.0 | 0.1 | 1.4 | 2.2 | 0.1 | 2.4 |
| Kisumu | 0.7 | 0.1 | 0.4 | 0.8 | 0.0 | 0.8 |
| Nakuru | 0.2 | 0.0 | 0.1 | 0.7 | 0.0 | 0.4 |
| Other urban | 1.3 | 0.0 | 0.7 | 2.0 | 0.0 | 1.1 |
| Nation | 2.5 | 0.1 | 2.4 | 3.2 | 0.1 | 3.7 |

5.4. Expenditure on Agricultural Inputs

Increased agricultural production requires among other things utilization of agricultural inputs. Mean annual expenditure on inputs is contained in table 5.4. Nationally, the poor spent about a third (Kshs 1611.3) of what the non-poor spent (Kshs 4794.6) on agricultural inputs. The proportion was the same for the rural residents. However, in urban areas, the urban non-poor spent almost five times the amount spent by the urban poor. The non-poor in urban spent heavily on other agricultural investments, farm labour and on land purchase.

Table 5.4 Mean Annual Expenditures on Agriculture inputs (KShs).

| Agricultural Input | Poor | | | | | | Total Rural | Total Urban | Nation |
|--------------------------------|---------------|-------------|---------------|--------------|-----------------|---------------|-------------|-------------|--------|
| | Central Rural | Coast Rural | Eastern Rural | Nyanza Rural | R. Valley Rural | Western Rural | | | |
| Equipment: last one year | 13.9 | 6.1 | 0.3 | 0.3 | 0.9 | 3.2 | 2.7 | 0.3 | 2.3 |
| Land last one year | 0.0 | 0.0 | 17.2 | 10.7 | 490.9 | 7.9 | 124.2 | 149.0 | 129.0 |
| Other Agricultural investments | 18.2 | 44.3 | 21.4 | 7.4 | 7.0 | 52.4 | 20.4 | 161.3 | 47.5 |
| Maize seeds | 290.8 | 177.4 | 223.5 | 206.6 | 733.7 | 355.5 | 365.3 | 107.4 | 315.7 |
| Bean seeds | 340.1 | 55.9 | 407.7 | 58.7 | 144.6 | 102.1 | 181.2 | 50.6 | 156.1 |
| Other seeds | 117.8 | 29.5 | 62.9 | 13.3 | 31.8 | 15.1 | 39.5 | 14.2 | 34.7 |
| Fertilizer | 1128.6 | 25.8 | 257.4 | 160.1 | 812.1 | 411.2 | 466.2 | 119.3 | 399.5 |
| Farm labour | 163.7 | 178.6 | 293.2 | 73.5 | 592.6 | 153.1 | 267.5 | 291.4 | 272.1 |
| Livestock labour | 45.5 | 43.8 | 27.0 | 60.5 | 215.7 | 46.5 | 86.4 | 92.1 | 87.5 |
| Land rent | 65.3 | 15.2 | 54.0 | 71.9 | 163.9 | 82.4 | 87.6 | 30.4 | 76.6 |
| Equipment rent | 3.3 | 7.2 | 0.0 | 5.5 | 69.9 | 0.0 | 18.9 | 2.9 | 15.8 |
| Raw materials | 90.0 | 1.3 | 2.7 | 5.2 | 19.1 | 21.6 | 19.3 | 1.9 | 16.0 |
| Other agricultural costs | 15.3 | 21.2 | 16.6 | 11.2 | 165.6 | 10.4 | 50.1 | 2.9 | 41.0 |
| Total agriculture | 2283.9 | 615.6 | 1402.0 | 697.2 | 3482.9 | 1285.4 | 1747.5 | 1038.9 | 1611.3 |
| Agricultural Input | Non-poor | | | | | | Total Rural | Total Urban | Nation |
| | Central Rural | Coast Rural | Eastern Rural | Nyanza Rural | R. Valley Rural | Western Rural | | | |
| Equipment last one year | 33.5 | 17.2 | 2.6 | 13.2 | 72.1 | 20.9 | 33.5 | 99.0 | 47.4 |
| Land last one year | 171.7 | 0.0 | 457.5 | 32.9 | 2107.8 | 311.3 | 700.7 | 538.2 | 666.3 |
| Other Agricultural investments | 70.7 | 3.4 | 40.9 | 31.0 | 98.9 | 9.2 | 56.6 | 2604.5 | 596.7 |
| Maize seeds | 379.2 | 157.4 | 362.6 | 230.9 | 1045.7 | 813.8 | 564.5 | 143.2 | 475.2 |
| Bean seeds | 438.5 | 38.3 | 646.9 | 84.8 | 240.4 | 160.5 | 304.6 | 83.8 | 257.8 |
| Other seeds | 279.2 | 55.4 | 113.6 | 19.3 | 79.5 | 27.5 | 119.9 | 44.2 | 103.9 |
| Fertilizer | 1699.2 | 71.1 | 569.0 | 230.3 | 1663.1 | 1281.6 | 1152.5 | 169.8 | 944.2 |
| Farm labour | 902.6 | 632.5 | 1636.2 | 236.3 | 1271.8 | 590.7 | 942.7 | 939.0 | 941.9 |
| Livestock labour | 505.5 | 92.4 | 167.2 | 137.2 | 429.8 | 120.8 | 310.6 | 145.9 | 275.7 |
| Land rent | 181.3 | 33.0 | 130.4 | 163.8 | 330.4 | 296.1 | 215.4 | 49.0 | 180.1 |
| Equipment rent | 8.6 | 16.5 | 0.0 | 1.8 | 361.9 | 21.2 | 100.2 | 41.0 | 87.6 |
| Raw materials | 170.4 | 4.3 | 535.2 | 5.4 | 122.3 | 4.9 | 154.4 | 13.4 | 124.5 |
| Other agricultural costs | 89.4 | 38.0 | 28.6 | 12.5 | 129.7 | 33.0 | 69.4 | 16.5 | 58.2 |
| Total agriculture | 4935.8 | 1162.4 | 4708.2 | 1196.6 | 7905.7 | 3704.1 | 4717.8 | 5079.9 | 4794.6 |

While the poor spend about 20 per cent of their total agricultural expenditure on maize seeds the non-poor spend only 10 per cent. Similarly, farm labour and fertilizers for the poor accounts for 17 per cent and 25 per cent respectively, while for the non-poor these take 20 per cent each. Regionally, the poor in Central rural spend the largest share (49 per cent) of their total agricultural expenditure on fertilisers, followed by expenditure on seeds (33 per cent). For the non-poor, fertiliser took 34 per cent while seeds accounted for 22 per cent.

Rift Valley rural has the highest expenditure on agricultural inputs for both the poor and non-poor. The poor spend the largest share of their total agricultural expenditure on fertiliser (25 per cent), however the combined figure for seeds exceeds that (31 per cent). Among the non-poor, expenditure on fertilizer was highest, followed by expenditure on farm labour and land.

Interestingly amongst the non-poor total urban expenditure on agriculture inputs was higher than for the rural non-poor. The major difference was on other agricultural investments (KShs 2,604.5 for the urban non-poor, KShs 56.6 for the rural). For the poor, those in urban areas again spent more on farm labour and other agricultural investments. Expenditure on total agricultural inputs was higher for the rural poor than the urban poor.

5.5. Expenditure on Non-Farm Informal Enterprises (*Jua Kali*)

The expenditures captured in non-farm informal enterprises included non-farm labour costs, raw material costs, rent on premises and other informal sector costs. As shown in Table 5.5, at the national level, total informal expenditure for the poor was almost a third of that for the non-poor. Among the rural dwellers, expenditure by the non-poor was over four times that of the poor. This gap was however smaller among the urban households where the non-poor spent just about twice the amount spent by the poor. The rural-urban expenditure gap was however wider among the poor (one eighth) than was with the non-poor (one third).

Table 5.5 Monthly average expenditure on Informal non-farm enterprises (KShs)

| Region | Poor | | | | | Non Poor | | | | |
|--------------------|-----------------|---------------------------|--------------------------|-----------------------------|----------------|-----------------|--------------------------|---------------------------|-----------------------------|----------------|
| | Non-farm Labour | Raw materials Input/costs | Premises Equipments Rent | Other Informal sector Costs | Total Informal | Non-farm Labour | Raw Material Input Costs | Premises/ Equipments Rent | Other Informal sector Costs | Total Informal |
| Central Rural | 16.1 | 2.5 | 1.7 | 0.8 | 21.2 | 114.4 | 264.5 | 18.7 | 10.5 | 408.2 |
| Coast Rural | 8.8 | 49.9 | 0.5 | 0.0 | 59.2 | 191.4 | 429.6 | 14.1 | 2.5 | 637.5 |
| Eastern Rural | 19.5 | 138.6 | 10.5 | 2.1 | 170.7 | 56.9 | 143.7 | 86.7 | 2.3 | 289.5 |
| Nyanza Rural | 3.4 | 1.6 | 1.7 | 0.2 | 6.9 | 43.7 | 105.0 | 22.1 | 6.3 | 177.1 |
| Rift Valley Rural | 5.2 | 71.2 | 4.7 | 2.5 | 83.8 | 67.6 | 119.0 | 33.8 | 17.5 | 237.9 |
| Western Rural | 6.5 | 23.0 | 2.6 | 1.0 | 33.1 | 27.0 | 40.8 | 9.1 | 8.7 | 85.5 |
| Total Rural | 9.0 | 50.6 | 4.1 | 1.3 | 65.1 | 76.5 | 166.3 | 31.5 | 9.8 | 284.0 |
| Total Urban | 9.3 | 29.9 | 410.3 | 37.3 | 486.9 | 231.4 | 323.5 | 253.9 | 37.6 | 846.4 |
| Nairobi | 3.2 | 0.0 | 698.6 | 1.3 | 703.2 | 370.4 | 351.7 | 339.1 | 0.0 | 1,061.3 |
| Mombasa | 2.2 | 0.0 | 23.1 | 195.9 | 221.2 | 159.7 | 208.6 | 222.2 | 19.7 | 610.2 |
| Kisumu | 0.0 | 33.6 | 15.7 | 1.6 | 50.8 | 119.5 | 174.9 | 38.3 | 0.0 | 332.7 |
| Nakuru | 55.0 | 157.0 | 34.0 | 276.3 | 522.3 | 160.2 | 771.9 | 213.5 | 379.2 | 1,524.9 |
| Other urban | 15.6 | 66.1 | 234.2 | 0.1 | 315.9 | 100.3 | 236.4 | 183.7 | 9.4 | 529.8 |
| Nation | 9.1 | 46.6 | 82.3 | 8.2 | 146.2 | 109.3 | 199.6 | 78.6 | 15.7 | 403.2 |

Among the rural poor, expenditure on raw materials took the largest proportion of expenditure (78 per cent) while the share of rents on premises/equipment featured high (84 per cent) among the poor. For the non-poor, raw material costs took the largest proportion (59 per cent in rural 38 per cent in urban) of the total non-farm informal expenditures. Care should however be exercised in interpreting these results because the survey did not focus specifically on non-farm informal enterprises. It could be possible that households captured by the survey had few members involved in non-farm informal activities.

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CHAPTER 6: EMPLOYMENT

6.0 Introduction

Employment offers a crucial link between economic growth and poverty reduction. Strategies aimed at income-generation, income re-distribution, and poverty alleviation will have a higher payoff if they increase labour absorption rates, labour productivity, labour security and returns to labour. Though the size and composition of the workforce determines the pace and level of economic performance, absolute numbers employed alone are not enough to judge the poverty impact; the level of training, skill of the population and labour productivity are more important.

The WMS III included employment in its questionnaire to elicit information on people's occupation or employment sector, their employment status (whether they are employers, employees, self-employed or unpaid family workers), and their current labour force status (that is whether they are employed, unemployed or inactive). The questions were asked of the entire survey population over five years of age, and were mainly focused on the status of the respondents over the past twelve months, not necessarily their current status.

6.1 Age Structure of Economically Active Population

The justification for asking all household members above five years of age their employment status is that in some parts of Kenyan society even the very young perform some type of work, such as livestock herding, water fetching or food selling. While national legislation in Kenya considers people below the age of 15 years too young to be physically able to work, there are children in this age group who are engaged in employment. According to Table 6.1, about 19 per cent of the poor and 16 per cent of the non-poor employed in agriculture are aged between five and 14 years. The proportion of children employed in other industries, in both poor and non-poor households, is much lower, 1.2 per cent and 0.8 per cent respectively. For ease of reference the table also shows the proportion of the various age groups amongst the over-five population in the country.

Table 6.1: Distribution of economically active population by age (%)

| Age Group | Percentage of total (5+) population | None | | Agriculture | | Other* | |
|-----------|-------------------------------------|------|----------|-------------|----------|--------|----------|
| | | Poor | Non-Poor | Poor | Non-Poor | Poor | Non-Poor |
| 5-9 | 17.7 | 27.0 | 26.2 | 9.4 | 8.1 | 0.2 | 0.1 |
| 10-14 | 18.3 | 27.5 | 27.3 | 9.4 | 7.7 | 1.0 | 0.7 |
| 15-19 | 10.3 | 17.8 | 17.1 | 10.5 | 8.4 | 4.4 | 3.4 |
| 20-24 | 9.8 | 7.4 | 8.5 | 11.0 | 12.7 | 18.0 | 10.6 |
| 25-29 | 7.9 | 4.0 | 4.7 | 8.1 | 12.5 | 16.0 | 18.0 |
| 30-34 | 6.6 | 2.9 | 2.8 | 7.7 | 10.0 | 14.7 | 18.8 |
| 35-39 | 6.4 | 2.8 | 2.5 | 8.6 | 8.8 | 15.8 | 17.3 |
| 40-44 | 4.7 | 2.0 | 2.1 | 7.5 | 6.0 | 11.5 | 12.1 |
| 45-49 | 4.3 | 2.0 | 1.7 | 7.5 | 6.5 | 7.9 | 8.6 |
| 50-54 | 3.0 | 1.3 | 1.6 | 5.6 | 4.6 | 5.3 | 4.7 |
| 55-59 | 2.3 | 1.2 | 1.2 | 4.0 | 4.3 | 2.4 | 3.3 |
| 60+ | 5.7 | 3.9 | 4.3 | 10.5 | 10.3 | 2.7 | 2.5 |
| Total | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

Note: * includes forestry/fishing, sales/service, manufacturing, mining, transport and construction

The age composition of the labour force influences the design of pension and social security schemes. In particular, levels of employment and unemployment among women, young persons, elderly workers and other population groups are major concerns for socio-economic policy.

6.2 Gainful Employment and Employment Search

Table 6.2 shows the numbers amongst the poor and non-poor who were gainfully employed in the past seven days; in this instance gainful employment is defined as work that has some gain or economic value, this includes farmers tending crops or livestock, but excludes unpaid family workers.

The table shows that 46.7 per cent of poor Kenyans and 56.6 per cent of non-poor Kenyans were gainfully employed. Amongst the poor there is also a difference between urban and rural areas; 44.7 per cent of the rural poor, compared to 55.4 per cent of the urban poor are gainfully employed. There are also variations by province, over half of the poor in Central, Coast and Rift Valley are gainfully employed, but the figure falls as low as 31.6 per cent in Western province. Within the major towns, Nakuru has the highest proportion of gainfully employed poor persons while Mombasa has the lowest.

Analysis of the non-poor situation by province reveals certain variations, from a high of 60.6 per cent in Coast province to a low of 39.5 in Western province, again there is a difference between urban and rural areas, with more of the non-poor in urban areas having gainful employment. Similar to the situation amongst the poor, Nakuru town has the highest percentage while Mombasa, has the lowest.

Table 6.2: Distribution of economically active population by employment status (%)

| | Gainfully employed? | | | | Looking for work for last 7 days? | | | |
|-------------------|---------------------|------|----------|------|-----------------------------------|------|----------|------|
| | Poor | | Non-Poor | | Poor | | Non-Poor | |
| | Yes | No | Yes | No | Yes | No | Yes | No |
| Central rural | 52.2 | 47.8 | 60.1 | 39.9 | 14.2 | 85.8 | 12.6 | 87.4 |
| Coast rural | 53.4 | 46.6 | 60.6 | 40.0 | 7.7 | 92.3 | 5.5 | 94.5 |
| Eastern rural | 45.0 | 55.0 | 56.2 | 43.8 | 12.0 | 88.0 | 9.7 | 90.3 |
| Nyanza rural | 39.4 | 60.6 | 51.0 | 49.0 | 9.5 | 90.5 | 9.3 | 90.7 |
| Rift Valley rural | 52.1 | 47.9 | 59.5 | 40.5 | 8.1 | 91.9 | 6.6 | 93.4 |
| Western rural | 31.6 | 68.4 | 39.5 | 60.5 | 13.1 | 86.9 | 10.2 | 89.8 |
| Total rural | 44.7 | 55.3 | 55.4 | 44.6 | 10.6 | 89.4 | 9.5 | 90.5 |
| Total Urban | 56.6 | 43.4 | 61.7 | 38.3 | 20.4 | 79.6 | 11.9 | 88.1 |
| Nairobi | 57.7 | 42.3 | 59.6 | 38.3 | 28.0 | 72.0 | 13.2 | 86.8 |
| Mombasa | 52.3 | 47.7 | 55.7 | 40.4 | 12.3 | 87.7 | 9.8 | 90.2 |
| Kisumu | 61.3 | 38.7 | 68.2 | 44.3 | 7.6 | 92.4 | 10.5 | 89.5 |
| Nakuru | 61.9 | 38.1 | 72.3 | 31.8 | 17.8 | 82.2 | 12.3 | 87.7 |
| Other urban | 54.1 | 45.9 | 65.9 | 27.7 | 12.9 | 87.1 | 10.8 | 89.2 |
| National | 46.7 | 53.3 | 56.6 | 43.4 | 12.2 | 87.8 | 9.9 | 90.1 |

Table 6.2 also shows whether the household member is currently seeking work – this question was asked regardless of whether that individual is currently employed or not. Job-search was most prevalent amongst the poor in urban areas, and in general a greater proportion of people in urban areas were seeking employment than in rural areas (20.4 per cent for the poor and 11.9 per cent for the non-poor, compared to 10.6 per cent and 9.5 per cent for the same categories in rural areas). Comparisons between poor and non-poor households reveal that

larger proportions of the poor are engaged in job-search relative to the non-poor. In the major urban areas, job-search is highest in Nairobi for both poor and non-poor.

6.3 Type of Industry

The following tables (6.3a and 6.3b) show the main area of employment that people who are considered to be economically active (that is, those above five years of age) have been engaged in over the past year. From the tables it is apparent that the column representing 'None' is quite high – reflecting the proportion of the population who has not worked during the past year. This group could include children (particularly as the analysis has been done for all age group over five), housewives, students, retired persons, the handicapped, and the generally unemployed.

Table 6.3a: Distribution of Economically Active Poor Population by Industry During the Past 12 Months (%)

| Region | Agriculture | Forestry | Fishing | Sales | Manu- facturing | Mining | Transport | Constructio n | None |
|-------------------|-------------|----------|---------|-------|--------------------|--------|-----------|------------------|------|
| Central Rural | 57.0 | 0.1 | 0.0 | 4.0 | 0.5 | 0.5 | 0.7 | 1.5 | 35.6 |
| Coast Rural | 35.3 | 0.5 | 0.8 | 17.7 | 3.0 | 0.0 | 0.8 | 0.0 | 40.2 |
| Eastern Rural | 29.9 | 0.0 | 0.0 | 10.5 | 0.4 | 0.0 | 0.2 | 0.0 | 57.6 |
| Nyanza Rural | 52.1 | 0.1 | 0.9 | 4.5 | 0.2 | 0.2 | 0.4 | 0.0 | 41.4 |
| Rift Valley Rural | 50.4 | 0.8 | 0.0 | 5.8 | 0.4 | 0.0 | 0.8 | 0.0 | 41.0 |
| Western Rural | 30.5 | 0.2 | 0.2 | 7.8 | 0.4 | 0.0 | 0.3 | 0.0 | 60.0 |
| Total Rural | 43.3 | 0.3 | 0.3 | 7.4 | 0.6 | 0.1 | 0.5 | 0.6 | 46.6 |
| Total Urban | 11.6 | 0.2 | 0.4 | 38.3 | 4.3 | 0.1 | 2.2 | 6.3 | 36.5 |
| Nairobi | 14.4 | 0.0 | 0.0 | 37.5 | 4.6 | 0.0 | 1.7 | 9.3 | 32.5 |
| Mombasa | 9.2 | 0.0 | 1.7 | 36.5 | 1.2 | 0.0 | 4.6 | 4.8 | 42.0 |
| Kisumu | 5.6 | 0.0 | 2.8 | 44.7 | 5.4 | 0.0 | 1.9 | 2.6 | 37.1 |
| Nakuru | 4.4 | 1.7 | 0.0 | 47.1 | 1.3 | 0.6 | 2.5 | 1.0 | 41.4 |
| Other urban | 10.1 | 0.3 | 0.4 | 37.1 | 5.5 | 0.3 | 2.2 | 3.3 | 40.7 |
| Nation | 37.9 | 0.3 | 0.3 | 12.6 | 1.2 | 0.1 | 0.8 | 1.5 | 44.9 |

Table 6.3b: Distribution of Economically Active non-poor Population by Industry During the Past 12 Months (%)

| Region | Agriculture | Forestry | Fishing | Sales | Manu- facturing | Mining | Transport | Constructio n | None |
|-------------------|-------------|----------|---------|-------|--------------------|--------|-----------|------------------|------|
| Central Rural | 49.7 | 0.5 | 0.0 | 14.5 | 1.2 | 0.2 | 1.6 | 1.3 | 31.1 |
| Coast Rural | 31.2 | 0.3 | 0.9 | 26.4 | 1.7 | 0.1 | 3.2 | 0.0 | 33.7 |
| Eastern Rural | 34.8 | 0.1 | 0.0 | 15.4 | 0.7 | 0.1 | 0.4 | 0.0 | 47.1 |
| Nyanza Rural | 49.5 | 0.5 | 1.6 | 11.2 | 1.5 | 0.1 | 1.1 | 0.0 | 34.0 |
| Rift Valley Rural | 43.4 | 0.6 | 0.0 | 14.4 | 0.9 | 0.1 | 1.4 | 0.0 | 38.1 |
| Western Rural | 29.2 | 0.0 | 0.2 | 16.7 | 1.1 | 0.0 | 0.7 | 0.0 | 51.4 |
| Total Rural | 42.3 | 0.4 | 0.3 | 15.0 | 1.1 | 0.1 | 1.3 | 0.7 | 38.4 |
| Total Urban | 10.3 | 0.2 | 0.1 | 51.4 | 3.5 | 0.3 | 3.1 | 2.0 | 29.1 |
| Nairobi | 13.7 | 0.2 | 0.0 | 52.5 | 2.6 | 0.0 | 2.0 | 2.2 | 26.7 |
| Mombasa | 7.5 | 0.0 | 0.3 | 43.9 | 1.3 | 0.9 | 6.9 | 1.9 | 37.6 |
| Kisumu | 2.2 | 0.5 | 1.0 | 57.6 | 6.8 | 0.0 | 0.8 | 1.6 | 29.4 |
| Nakuru | 4.5 | 0.4 | 0.3 | 52.9 | 3.9 | 0.6 | 4.0 | 1.3 | 32.1 |
| Other urban | 8.3 | 0.4 | 0.1 | 53.2 | 6.1 | 0.4 | 2.6 | 1.9 | 27.0 |
| Nation | 36.0 | 0.3 | 0.3 | 22.1 | 1.6 | 0.1 | 1.6 | 1.0 | 36.6 |

At the national level, agriculture absorbs the greatest proportion of all economically active poor persons (37.9 per cent), and non-poor persons (36 per cent). The only noteworthy

difference between the poor and non-poor in terms of distribution amongst economic activities is the heavier concentration of the non-poor in sales/services and transport.

There is however a distinction between urban and rural areas. Table 6.3b shows that over half of the urban non-poor are engaged in sales / services, whereas the largest number of people in rural areas are employed by agriculture. Amongst the poor there is a similar picture; 38.3 per cent of the economically active population are engaged in sales / services, while 43.3 per cent of the rural poor are engaged in agriculture.

In Nairobi, the sales/services sector is the most important in terms of labour absorption supporting 37.5 per cent and 52.5 per cent of the economically active poor and non-poor respectively. The predominance of the sales/service sector in terms of labour absorption is also apparent in the other urban areas of Mombasa, Kisumu, Nakuru and the combined smaller urban areas.

The distribution of the active population by economic activities reveals a gender-based division of labour (see Table 6.4). Economically active females are concentrated within agriculture where, in all cases, they account for more than 53 per cent of the population. Conversely, men predominate all other sectors; for instance, amongst the rural poor, men outnumber women in fishing (by 20 : 1), construction (by 17 : 1) and transport (by 13 : 1), the figures are somewhat more equitable in sales (2 : 1) and, manufacturing (2.4 : 1). These figures are more or less reflected amongst the urban poor, and both categories of non-poor.

Table 6.4: Gender Distribution of economically active population by type of industry during the past 12 months

| Industry | Rural Poor | | Urban Poor | | Rural Non-Poor | | Urban Non-Poor | | All Poor | | All Non-Poor | |
|----------------|------------|--------|------------|--------|----------------|--------|----------------|--------|----------|--------|--------------|--------|
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |
| Agriculture | 46.4 | 53.6 | 39.4 | 60.6 | 44.0 | 56.0 | 35.8 | 64.2 | 46.0 | 54.0 | 43.6 | 56.4 |
| Forestry | 82.6 | 17.4 | 89.7 | 10.3 | 63.8 | 36.2 | 81.9 | 18.1 | 83.5 | 16.5 | 66.2 | 33.8 |
| Fishing | 95.4 | 4.6 | 76.6 | 23.4 | 89.2 | 10.8 | 84.3 | 15.7 | 90.9 | 9.1 | 88.8 | 11.2 |
| Sales/services | 66.3 | 33.7 | 53.7 | 46.3 | 65.4 | 34.6 | 64.4 | 35.6 | 59.9 | 40.1 | 64.9 | 35.1 |
| Manufacturing | 70.7 | 29.3 | 89.6 | 10.4 | 83.9 | 16.1 | 75.8 | 24.2 | 81.9 | 18.1 | 80.4 | 19.6 |
| Mining | 91.8 | 8.2 | 100 | 0.0 | 100 | 0.0 | 89.3 | 10.7 | 93.4 | 6.6 | 95.4 | 4.6 |
| Transport | 92.9 | 7.1 | 97.7 | 2.3 | 97.9 | 2.1 | 96 | 4.0 | 95.2 | 4.8 | 97.2 | 2.8 |
| Construction | 94.3 | 5.7 | 99.5 | 0.5 | 98.5 | 1.5 | 96.3 | 3.7 | 97.3 | 2.7 | 97.9 | 2.1 |

6.4 Employment by Sector

Amongst those who have been employed in the past year, table 6.5 indicates the sector in which they work – this has been divided into public entities (Government owned), semi-public (partially owned by the government), and the private sector. The private sector has been further broken down into formal (privately owned and registered), and informal (not registered under the company's act – this would include *Jua Kali* activities).

Table 6.5: Distribution of employed population by type of employer (%)

| | Public sector | | Semi-public | | Private formal | | Private informal | |
|-------------------|---------------|----------|-------------|----------|----------------|----------|------------------|----------|
| | Poor | Non-Poor | Poor | Non-Poor | Poor | Non-Poor | Poor | Non-Poor |
| Central rural | 1.6 | 8.8 | 1.0 | 1.9 | 22.3 | 28.8 | 75.1 | 60.6 |
| Coast rural | 4.9 | 10.4 | 0.4 | 1.8 | 10.5 | 19.0 | 84.2 | 68.8 |
| Eastern rural | 4.5 | 16.9 | 2.1 | 0.9 | 14.7 | 13.7 | 78.6 | 68.5 |
| Nyanza rural | 4.0 | 11.6 | 1.3 | 2.0 | 6.3 | 14.5 | 88.4 | 71.9 |
| Rift Valley rural | 4.9 | 14.6 | 2.1 | 2.3 | 14.9 | 17.6 | 78.1 | 55.5 |
| Western rural | 5.8 | 18.8 | 1.4 | 2.4 | 9.8 | 11.4 | 83 | 67.4 |
| Total rural | 4.2 | 12.8 | 1.5 | 1.9 | 13.1 | 19.6 | 81.1 | 65.7 |
| Total Urban | 9.5 | 15.8 | 2.9 | 6.2 | 21.7 | 30.9 | 65.9 | 47.1 |
| Nairobi | 3.7 | 11.0 | 1.6 | 6.1 | 21.2 | 35.8 | 73.5 | 47.1 |
| Mombasa | 11.9 | 19.2 | 0.0 | 2.3 | 29.3 | 32.2 | 58.8 | 46.3 |
| Kisumu | 12.9 | 15.5 | 5.6 | 11.4 | 29.3 | 20.3 | 52.2 | 52.8 |
| Nakuru | 14.4 | 13.4 | 5.0 | 11.3 | 14.2 | 22.7 | 66.3 | 52.6 |
| Other urban | 18.5 | 24 | 5.3 | 6.3 | 19.3 | 24.8 | 56.9 | 44.9 |
| Nation | 5.6 | 13.6 | 1.9 | 3.0 | 15.2 | 22.5 | 77.3 | 60.9 |

The private informal sector dominates other sectors in terms of labour absorption; this trend is consistent whether analysis is by province or major towns. At the national level, the private informal sector accounts for 77.3 per cent and 60.9 per cent of those employed within poor and non-poor households respectively.

The private sector as a whole (both formal and informal) accounts for about 92.5 per cent of employment in poor households while the public sector supports only 7.5 per cent. The same pattern is evident among non-poor households (the figures are 83.4 per cent and 16.6 per cent for the private and public sector respectively).

Though the private informal sector acts as the single largest reservoir for employment, there is increasing concern that operators within the sector face several limitations – primarily that they are unorganised, lack security of tenure and of property and are disadvantaged in terms of access to trunk infrastructure, formal credit markets, skilled labour, technical advice and so on.

6.5 Employment Status

For the purposes of the WMS III, the unemployed are those without regular employment in the past 12 months but who were available for work. An employer is somebody who operates his or her own economic activity with the regular assistance of at least one regular employee. Regular employees are persons, with or without a contract, who are continuously employed for a period of one month or more, whereas casual employees are persons continuously employed for less than a month. Own account workers are persons who operate their own economic enterprises or engage independently in a profession or trade, and hire no employees. Unpaid family workers are persons who work without pay in an economic enterprise operated by a related person living in the same household.

6.5.1 Gender Dimension of Employment Status

Table 6.6 presents the employment status by gender of the economically active population. There are more men than women amongst the ranks of employers, regular employees (skilled and unskilled) and skilled casual employees. However, amongst the urban poor unskilled casual workers, women outnumber men.

Table 6.6: Gender distribution of active population by employment status (%)

| Employment status | Poor | | | | Non-Poor | | | |
|------------------------------|-------|--------|-------|--------|----------|--------|-------|--------|
| | Rural | | Urban | | Rural | | Urban | |
| | Male | Female | Male | Female | Male | Female | Male | Female |
| Unemployed | 49.9 | 50.1 | 37.7 | 62.3 | 44.8 | 55.2 | 38.2 | 61.8 |
| Employer | 84.2 | 15.8 | 69.9 | 30.1 | 70.2 | 29.8 | 75 | 25 |
| Regular employee (skilled) | 88.6 | 11.4 | 82.1 | 17.9 | 75.8 | 24.2 | 72.8 | 27.2 |
| Regular employee (unskilled) | 84.2 | 15.8 | 69.9 | 30.1 | 70.2 | 29.8 | 75 | 25 |
| Casual employee (skilled) | 86.7 | 13.3 | 94.6 | 5.4 | 90 | 10 | 77.6 | 22.4 |
| Casual employee (unskilled) | 67.4 | 32.6 | 42.8 | 57.2 | 66.6 | 33.4 | 58.5 | 41.5 |
| Own account worker | 53.8 | 46.2 | 42.4 | 57.6 | 48.8 | 51.2 | 55.6 | 44.4 |
| Unpaid family worker | 29.3 | 70.7 | 9.5 | 90.5 | 26.2 | 73.8 | 10.8 | 89.2 |
| Student/ apprentice | 56.8 | 43.2 | 50.5 | 49.5 | 54.9 | 45.1 | 57.1 | 42.9 |
| Pensioner/investor | 90.7 | 9.3 | 92.7 | 7.3 | 91.6 | 8.4 | 96.6 | 3.4 |
| Sick/ handicapped | 50.6 | 49.4 | 5.3 | 94.7 | 41.3 | 58.7 | 6.3 | 93.7 |

The percentages are somewhat more equitable when it comes to own account employment, however women dominate amongst the unpaid family workers, 70.7 per cent of the unpaid family workers in poor households in rural areas are women and in urban areas they account for 90.5 per cent, the same trend is reflected among non-poor households, in fact the proportion of women among the unpaid worker category in urban areas is higher than the corresponding proportion in rural areas, suggesting that the proportion of women in the family worker category remains high irrespective of location. Levels of unemployment in all areas are higher for women than for men, however this appears to be more pronounced in urban areas. It can be argued that gender patterning allocates female labour away from labour markets towards farm and household activities.

6.5.2 Employment Status of Household Heads

The data presented in Table 6.7 is based on the employment status of the household head (not the entire economically active population). From this it can be seen that the largest number of household heads in rural areas, regardless of poverty status, are own-account workers. In urban areas the most likely type of employment for a head of household to have is as a regular skilled employee.

Table 6.7: Employment Status of Household Heads by Region (%)

| Employment status | Rural Areas | | Urban Areas | | National | |
|------------------------------|-------------|----------|-------------|----------|----------|----------|
| | Poor | Non-Poor | Poor | Non-Poor | Poor | Non-Poor |
| Unemployed | 6.2 | 4.2 | 3.6 | 1.9 | 5.8 | 3.7 |
| Employer | 0.3 | 0.5 | 1.1 | 2.7 | 0.4 | 1.0 |
| Regular employee (skilled) | 4.0 | 16.5 | 31.1 | 46.6 | 8.7 | 22.6 |
| Regular employee (unskilled) | 0.3 | 0.5 | 1.1 | 2.7 | 0.4 | 1.0 |
| Casual employee (skilled) | 2.3 | 2.9 | 9.7 | 4.8 | 3.6 | 3.3 |
| Casual employee (unskilled) | 9.1 | 8.2 | 11.9 | 9.3 | 9.6 | 8.4 |
| Own account worker | 43.2 | 41.3 | 26.3 | 27.1 | 40.3 | 38.4 |
| Unpaid family worker | 32.3 | 23.3 | 13.8 | 2.9 | 29.1 | 19.2 |
| Student/ apprentice | 0.2 | 0.1 | 0.1 | 0.4 | 0.2 | 0.2 |
| Pensioner/investor | 0.4 | 1.1 | 0.3 | 1.2 | 0.4 | 1.1 |
| Sick / Handicapped | 1.7 | 1.4 | 0.5 | 0.4 | 1.5 | 1.2 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

The majority of poor female heads of households in rural areas are either unpaid family workers or own account workers (see table 6.8a). In contrast, poor female heads households in urban areas are mainly own account workers and unskilled casual employees (see table 6.8b).

Table 6.8a: Employment status of poor heads of household (%)

| Employment status | Central rural | | Coast rural | | Eastern rural | | Nyanza rural | | Rift Valley rural | | Western rural | | Total rural | | Total Urban | | Nation | |
|------------------------------|---------------|------|-------------|------|---------------|------|--------------|------|-------------------|------|---------------|------|-------------|------|-------------|------|--------|------|
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| Unemployed | 1.4 | 1.2 | 5.8 | 5.1 | 5.7 | 6.9 | 5.5 | 1.0 | 2.3 | 2.3 | 17.1 | 23.3 | 5.9 | 6.8 | 2.4 | 9.0 | 5.3 | 7.1 |
| Employer | 0.0 | 0.0 | 0.4 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.5 | 0.0 | 0.4 | 0.0 | 1.6 | 1.9 | 0.7 | 0.3 |
| Regular employee (skilled) | 7.9 | 2.5 | 8.9 | 0.0 | 4.7 | 0.8 | 3.0 | 0.8 | 7.3 | 0.7 | 3.9 | 0.3 | 5.5 | 0.8 | 42.7 | 10.4 | 12.2 | 2.3 |
| Regular employee (unskilled) | 0.0 | 0.0 | 0.4 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.5 | 0.0 | 0.4 | 0.0 | 1.6 | 1.9 | 0.7 | 0.3 |
| Casual employee (skilled) | 4.4 | 1.8 | 4.1 | 0.9 | 7.0 | 0.0 | 1.7 | 0.0 | 1.6 | 0.7 | 2.5 | 0.0 | 3.2 | 0.4 | 13.3 | 1.0 | 5.0 | 0.5 |
| Casual employee (unskilled) | 14.9 | 15.3 | 19.2 | 7.8 | 11.6 | 3.0 | 4.2 | 3.9 | 13.0 | 9.2 | 9.9 | 1.4 | 10.8 | 5.6 | 14.4 | 21.7 | 11.5 | 8.1 |
| Own account worker | 54.8 | 50.5 | 47.7 | 40.1 | 31.1 | 25.5 | 45.9 | 43.1 | 49.2 | 46.6 | 47.0 | 32.3 | 45.3 | 38.7 | 21.7 | 40.6 | 41.0 | 39.0 |
| Unpaid family worker | 14.2 | 25.5 | 11.5 | 42.5 | 35.3 | 62.7 | 37.2 | 49.0 | 23.6 | 37.8 | 15.8 | 40.5 | 26 | 45.5 | 1.8 | 9.2 | 21.6 | 40.0 |
| Student/apprentice | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.2 | 2.5 | 0.0 | 0.0 | 0.1 | 0.4 | 0.0 | 1.4 | 0.1 | 0.6 |
| Pensioner/investor | 0.3 | 0.0 | 0.6 | 0.0 | 1.1 | 0.0 | 0.4 | 0.0 | 0.1 | 0.0 | 1.1 | 0.0 | 0.6 | 0.0 | 0.5 | 0.1 | 0.6 | 0.0 |
| Sick/Handicapped | 2.1 | 3.3 | 1.2 | 1.9 | 1.8 | 1.1 | 2.1 | 2.1 | 1.1 | 0.3 | 1.8 | 2.1 | 1.7 | 1.7 | 0.1 | 2.7 | 1.4 | 1.9 |
| Total | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

Table 6.8b: Employment status of non-poor heads of household (%)

| Employment status | Central rural | | Coast rural | | Eastern rural | | Nyanza rural | | Rift Valley rural | | Western rural | | Total rural | | Total Urban | | Nation | |
|------------------------------|---------------|------|-------------|------|---------------|------|--------------|------|-------------------|------|---------------|------|-------------|------|-------------|------|--------|------|
| | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| Unemployed | 1.6 | 0.6 | 3.8 | 2.5 | 3.6 | 11.5 | 3.9 | 4.7 | 1.6 | 3.8 | 11.4 | 16.2 | 3.4 | 5.9 | 1.5 | 3.5 | 2.6 | 5.6 |
| Employer | 1.0 | 1.0 | 0.2 | 0.0 | 0.7 | 0.0 | 0.6 | 0.0 | 0.0 | 0.4 | 1.1 | 0.2 | 0.6 | 0.4 | 2.6 | 3.1 | 1.1 | 0.7 |
| Regular employee (skilled) | 20.6 | 0.0 | 26.1 | 11.4 | 17.3 | 8.1 | 17.1 | 2.8 | 25.4 | 6.5 | 20.5 | 10.1 | 21.2 | 6.1 | 51.5 | 23.6 | 28.3 | 8.4 |
| Regular employee (unskilled) | 1.0 | 4.9 | 0.2 | 0.0 | 0.7 | 0.0 | 0.6 | 0.0 | 0.0 | 0.4 | 1.1 | 0.2 | 0.6 | 0.4 | 2.6 | 3.1 | 1.1 | 0.7 |
| Casual employee (skilled) | 4.8 | 1.0 | 2.8 | 1.1 | 4.6 | 0.5 | 2.9 | 0.2 | 3.8 | 0.0 | 4.0 | 0.0 | 4.0 | 0.4 | 5.5 | 1.6 | 4.4 | 0.6 |
| Casual employee (unskilled) | 10.6 | 5.7 | 15.8 | 4.1 | 8.9 | 2.1 | 4.5 | 4.0 | 9.9 | 4.9 | 10.7 | 7.7 | 9.6 | 5.0 | 8.4 | 13.2 | 9.3 | 6.0 |
| Own account worker | 43.4 | 58.0 | 42.4 | 40.8 | 35.1 | 20.1 | 43.6 | 50.4 | 40.3 | 45.3 | 31.5 | 30.5 | 39.9 | 44.4 | 24.9 | 37.4 | 36.4 | 43.5 |
| Unpaid family worker | 14.8 | 26.7 | 6.0 | 36.9 | 26.8 | 55.5 | 23 | 35.7 | 17.0 | 36.4 | 14.2 | 32.8 | 17.9 | 35.4 | 1.0 | 11.9 | 14.0 | 32.4 |
| Student/apprentice | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.5 | 0.0 | 0.2 | 0.0 |
| Pensioner/investor | 1.5 | 0.2 | 1.9 | 0.0 | 1.3 | 0.0 | 1.3 | 0.2 | 1.0 | 0.0 | 3.5 | 0.0 | 1.5 | 0.1 | 1.4 | 0.0 | 1.5 | 0.1 |
| Sick/Handicapped | 0.6 | 0.8 | 0.8 | 3.2 | 1.1 | 2.2 | 2.4 | 2.0 | 0.8 | 2.3 | 2.1 | 2.2 | 1.2 | 1.8 | 0.0 | 2.5 | 0.9 | 1.9 |
| Total | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

Amongst poor heads of household, there is a heavier concentration within the unpaid family worker and the own account worker categories. In the rural areas of Central, Coast, Nyanza, Rift Valley and Western provinces, most poor male heads of households are own account workers whereas in Eastern province the unpaid family category predominates. Among poor female heads of households, the own account worker category is the most dominant in Central

and Rift Valley provinces but unpaid female workers are more common in Coast, Eastern and Nyanza provinces.

Similarly, Table 6.8b indicates that most non-poor male and female heads of households are own account workers and skilled regular employees. This is the case in all provinces and in both rural and urban areas. The most notable difference between non-poor male heads and non-poor female heads of households in urban areas is the concentration of the former in skilled regular employment while the latter are predominantly own account workers. At the national level, 28.3 per cent of the non-poor male heads of households are skilled regular employees, compared to 8.4 per cent amongst females in the same category.

Analysis by province shows that in Central, Coast, Rift Valley and Western provinces, the majority of non-poor male heads of households are concentrated in the skilled regular employee category and the own account worker category. In contrast, majority of non-poor male heads of households in Eastern and Nyanza provinces are unpaid family workers and own account workers. Most of non-poor female heads of households in all provinces are predominantly own account workers and unpaid family workers.

6.6 Employment and Educational Achievement

Results in table 6.8 show that most of the economically active population residing in rural areas aged 50 years and above have no education; the majority of those under this age have at least got primary education. In urban areas, most of the population have received some education and over half of the under-39 age group have received at least secondary education. The proportion of those with no education increases in line with the increase in age, suggesting that younger people have higher educational achievement than older persons do.

Table 6.9: Educational Attainment of the Economically Active Population (%)

| Age group | None | | Primary | | Secondary | | Higher | | Other | |
|-----------|-------|-------|---------|-------|-----------|-------|--------|-------|-------|-------|
| | Rural | Urban | Rural | Urban | Rural | Urban | Rural | Urban | Rural | Urban |
| 15-19 | 4.5 | 5.6 | 73.1 | 52.0 | 22.0 | 40.3 | 0.0 | 1.0 | 0.4 | 1.1 |
| 20-24 | 7.5 | 5.2 | 59.5 | 41.7 | 31.2 | 43.2 | 0.2 | 4.1 | 1.6 | 5.8 |
| 25-29 | 10.6 | 5.6 | 59.0 | 35.9 | 28.8 | 48.6 | 0.8 | 3.9 | 0.8 | 6.1 |
| 30-34 | 14.7 | 7.6 | 54.4 | 33.4 | 29.4 | 52.3 | 0.9 | 4.0 | 0.7 | 2.6 |
| 35-39 | 23.9 | 6.8 | 49.5 | 37.2 | 25.4 | 49 | 0.4 | 3.6 | 0.8 | 3.4 |
| 40-44 | 33.2 | 8.7 | 44.4 | 47.1 | 21.5 | 34.9 | 0.3 | 4.5 | 0.5 | 4.7 |
| 45-49 | 43.0 | 18.0 | 42.1 | 30 | 13.8 | 38.1 | 0.2 | 7.5 | 0.7 | 6.4 |
| 50-54 | 52.2 | 17.8 | 39.7 | 44.8 | 7.2 | 26.3 | 0.1 | 7.1 | 0.9 | 3.9 |
| 55-59 | 59.2 | 30.9 | 34.6 | 50.2 | 4.6 | 13.5 | 0.0 | 2.5 | 1.5 | 3.0 |
| 60+ | 75.5 | 62.0 | 21.8 | 20.0 | 2.1 | 4.6 | 0.0 | 13.4 | 0.6 | 0.0 |

Tables 6.10a and 6.10b present educational attainment in a form that relates it to the type of employment obtained by respondents who had been employed in the past 12 months. The majority of respondents in rural areas with no education are either unemployed or are employed in agriculture; the same applies to those with primary and secondary education. However those with secondary and post-secondary education predominate in the sales/services sector.

Table 6.10a: Type of employment by level of education – Rural areas

| Level of education | None* | Agriculture | Forestry | Fishing | Sales/ service | Manufacturing | Mining | Transport | Construction | Total |
|--------------------|-------|-------------|----------|---------|-------------------|---------------|--------|-----------|--------------|-------|
| None | 39.5 | 51.8 | 0.3 | 0.2 | 6.4 | 0.6 | 0.1 | 0.4 | 0.6 | 100 |
| Primary | 44.3 | 43.1 | 0.3 | 0.4 | 8.8 | 0.7 | 0.1 | 0.9 | 1.3 | 100 |
| Secondary | 42.1 | 32.2 | 0.3 | 0.2 | 21.2 | 1.4 | 0.1 | 1.4 | 1.1 | 100 |
| Higher | 15.8 | 13.8 | 0.0 | 0.0 | 66.6 | 3.4 | 0.0 | 0.0 | 0.5 | 100 |
| Other | 51.7 | 21.0 | 0.0 | 0.0 | 26.1 | 0.0 | 0.0 | 0.3 | 1.0 | 100 |

Note: * includes respondents who indicated that they were not engaged in any industry

Table 6.10b shows that respondents in urban areas who have secondary and post secondary education are more likely to be employed in the sales/services sector than any other, in addition the proportion of the population engaged in this sector increases in line with educational achievement. Of particular concern however is the high proportion of the unemployed with secondary and higher educational achievement, suggesting high wastage rates in the education system.

Table 6.10b: Type of employment by level of education – Urban areas

| Level of education | None | Agriculture | Forestry | Fishing | Sales/ service | Manufacturing | Mining | Transport | Construction | Total |
|--------------------|------|-------------|----------|---------|-------------------|---------------|--------|-----------|--------------|-------|
| None | 42.1 | 13.4 | 0.1 | 0.2 | 37 | 3.2 | 0.4 | 1.4 | 2.2 | 100 |
| Primary | 34.6 | 10.7 | 0.2 | 0.6 | 42.9 | 2.2 | 0.4 | 2.5 | 5.9 | 100 |
| Secondary | 28.9 | 11.1 | 0.2 | 0.1 | 48.5 | 5.8 | 0.0 | 3.4 | 2.1 | 100 |
| Higher | 23.6 | 7.4 | 0.2 | 0.0 | 64.8 | 3.1 | 0.0 | 0.0 | 1.1 | 100 |
| Other | 39.5 | 9.5 | 1.4 | 0.0 | 33.5 | 2.4 | 0.0 | 1.6 | 12.0 | 100 |

From a cursory review of the figures in these two tables it can be argued that education increases the prospects for employment in all sectors.

6.7 Income from Employment

Generally, labour force surveys establish relationships between employment and income in order to assess the income generating capacity of different economic activities. They also determine the magnitude of persons who are unable to maintain their economic well being on the basis of the employment opportunities available to them, however these two objectives cannot be achieved using the WMS data. Rather an attempt is made to relate the various economic activities with mean household expenditures (a proxy for mean household incomes). The purpose of this is to reveal any notable regional and gender disparity in household expenditure patterns (income patterns) as a matter of social welfare concern. Thus, strong conclusions about the income generation capacity of various economic activities should not be extracted from the table 6.10 below.

From the table it appears that expenditure by male-headed households residing in urban areas is between two and three times higher than expenditure levels in male-headed households in rural areas. The income gap between rural and urban segments is exceptionally high in forestry and agriculture. On average, expenditure in urban households engaged in forestry is the highest among male-headed households.

Table 6.10c: Mean monthly expenditure (in Kshs) of household head by industry during the past 12 months⁴

| Industry | Male | | Female | |
|----------------|----------|----------|----------|----------|
| | Rural | Urban | Rural | Urban |
| None | 1,579.40 | 3,202.90 | 1,549.70 | 3,383.80 |
| Agriculture | 1,680.00 | 3,870.30 | 1,740.60 | 2,678.30 |
| Forestry | 1,924.20 | 9,559.90 | 1,678.70 | 4,585.10 |
| Fishing | 1,541.60 | 2,509.90 | 4,165.10 | 1,795.90 |
| Sales/services | 2,491.60 | 4,644.50 | 2,717.70 | 3,175.60 |
| Manufacturing | 2,098.90 | 3,010.90 | 1,675.70 | 5,099.80 |
| Mining | 2,157.70 | 2,607.10 | 1,634.10 | 4,736.80 |
| Transport | 2,394.60 | 3,684.30 | 1,028.90 | 2,649.70 |
| Construction | 1,999.90 | 2,611.60 | - | - |

A similar expenditure pattern in urban and rural areas for male-headed households is reflected amongst female-headed households, with the only exception being fishing where rural female-headed households spent twice that of households in urban areas. In urban areas the levels of expenditure for those engaged in manufacturing, mining and forestry are highest. However, in rural areas, expenditure levels for households employed in fishing and sales/services are the highest.

In general, male-headed households spent more than female-headed households and urban-based households spent more than their rural-based counterparts. Arguably, income tends to be concentrated in the hands of male-headed households and urban-based households, however, in all categories, urban female headed households spent more than rural male headed households, suggesting that the urban effect is stronger than the gender effect.

⁴ Note: Data used in this table is based on expenditure on food, non-food items and social services. It is important to note that expenditure was used as a proxy for income. When income is captured using this approach, own consumption is valued for data purposes. Similarly, those household heads without jobs may be found to earn higher than household heads with jobs (as is the case in this table).

CHAPTER 7: EXPENDITURE PATTERNS AND POVERTY

7.0 Introduction

Expenditure has been used as a proxy of income in the derivation of the poverty line⁵. A similar approach was used in the previous poverty analysis of the WMSI and WMSII databases, due to the limitation of the WMS series in capturing reliable income data. Previous WMS series (WMS I and II) captured some aspects of income within the expenditure module; however, WMS III had a separate agricultural module where detailed aspects of farm and non-farm incomes and expenditures were captured. The module was handled independently and at a different time period and the households covered therein were not necessarily those in the core and expenditure modules being used for the current poverty analysis. Furthermore the agricultural module was not ready for analysis by the time of writing this report.

This chapter examines the expenditure patterns of both the poor and the non-poor households. The expenditures discussed include both food and regular non-food household purchases; other expenditures, such as investment related expenditures like the purchase of land, equipment and costs of labour for farm and non-farm informal activities are examined in their respective chapters of this report. Similarly disaggregated expenditures on health, education, and consumption of cooking and lighting fuels are also discussed in the relevant chapters for ease of reference.

Mean household expenditure will be used as the basis of analysis for this volume as opposed to mean adult equivalent used for the derivation of the poverty in volume I. Adult equivalent expenditure differs from the ordinary mean household expenditure as it takes into consideration differentials in consumption by different age groups among the household members. While mean household expenditure measure uses all the reported food and regular non-food expenditures, the adult equivalent measure ignored some expenditure on foods (such as expenditures on baby food, and meals eaten outside homes) that could not be grouped into specific food category for the purposes of calorie conversion. Mean household expenditure uses the number of households as the denominator regardless of the number of members in the household or their ages. The per capita index takes into consideration the number of members in the household and uses this as the denominator in the computation of respective mean per capita consumptions.

7.1 Expenditure measures by poverty and household size

Table 7.1 presents regional mean household food, non-food and total expenditure by poverty and also gives the mean household size. A very large share of the household budget for both the poor (83 per cent) and the non-poor (70 per cent) goes on food consumption. However, the value of food expenditure among the poor was generally lower than that of the non-poor both in rural and urban areas. The rural non-poor spend twice as much on food as the rural poor, while the urban non-poor spend 82 per cent more than the urban poor. The observed gap could be due to differences in the quality of foods consumed, with the poor spending on relatively cheap, low quality foods while the non-poor spend heavily on higher quality foods. In general, expenditure on non-food among the poor was very low compared to that of the non-poor. Mean non-food for the rural non-poor was four times that of the rural poor while that of the urban non-poor was almost five times that of the urban poor.

⁵ See Second Report on Poverty in Kenya Vol. I: Incidence and Depth of Poverty

Larger household sizes observed among the poor could also lead to inadequate consumption and welfare impacts. The little resources that are available to these households have to be thinly spread among the members without proper satisfaction, for example per capita food expenditure among the rural poor is KShs. 526 while that of the rural non-poor is KShs 1375. Mean household size for the rural poor is 5.6 persons with Eastern and Coast rural having an average of six and 6.4 persons respectively but it is only 4.3 persons for the rural non-poor. In urban, the poor have an average household size of 4.1 persons, while the non-poor have only 3.1 persons. Among the urban non-poor, Nairobi and Kisumu had relatively larger families (3.4 persons) compared to the mean (3.1 persons).

Table 7.1 Food and Non-food share in total expenditure

| | Poor | | | | | | Non-Poor | | | | | |
|-------------------|-------------|-----------------|--------------|----------------|--------------------|----------------|-------------|-----------------|--------------|----------------|--------------------|----------------|
| | Food (KShs) | Non-food (KShs) | Total (KShs) | Food Share (%) | Non-food Share (%) | Household Size | Food (KShs) | Non-food (KShs) | Total (KShs) | Food Share (%) | Non-food Share (%) | Household Size |
| Central Rural | 3,149.7 | 703.5 | 3,853.3 | 81.7 | 18.3 | 5.3 | 6,190.9 | 3,283.8 | 9,474.8 | 65.3 | 34.7 | 4.0 |
| Coast Rural | 3,263.5 | 663.9 | 3,927.4 | 83.1 | 16.9 | 6.4 | 5,654.0 | 2,568.0 | 8,222.0 | 68.8 | 31.2 | 4.2 |
| Eastern Rural | 3,097.5 | 613.3 | 3,710.8 | 83.5 | 16.5 | 6.0 | 6,590.2 | 2,397.5 | 8,987.8 | 73.3 | 26.7 | 4.9 |
| Nyanza Rural | 2,790.0 | 549.4 | 3,339.4 | 83.5 | 16.5 | 5.3 | 5,221.0 | 1,864.8 | 7,085.8 | 73.7 | 26.3 | 4.1 |
| Rift Valley Rural | 2,921.6 | 646.9 | 3,568.5 | 81.9 | 18.1 | 5.5 | 5,969.9 | 2,576.5 | 8,546.4 | 69.9 | 30.1 | 4.3 |
| Western Rural | 2,758.9 | 590.1 | 3,349.0 | 82.4 | 17.6 | 5.5 | 5,403.9 | 2,037.9 | 7,441.8 | 72.6 | 27.4 | 4.4 |
| Total Rural | 2,944.5 | 615 | 3,559.4 | 82.7 | 17.3 | 5.6 | 5,910.7 | 2,558.2 | 8,468.9 | 69.8 | 30.2 | 4.3 |
| Total Urban | 4,026.0 | 2,216.0 | 6,242.0 | 64.5 | 35.5 | 4.1 | 7,352.5 | 10,099.7 | 17,452.2 | 42.1 | 57.9 | 3.1 |
| Nairobi | 4,098.7 | 2,573.0 | 6,671.7 | 61.4 | 38.6 | 4.1 | 8,046.1 | 14,692.7 | 22,738.8 | 35.4 | 64.6 | 3.4 |
| Mombasa | 4,065.9 | 1,661.7 | 5,727.7 | 71.0 | 29.0 | 4.1 | 7,901.3 | 7,867.2 | 15,768.5 | 50.1 | 49.9 | 3.1 |
| Kisumu | 3,820.9 | 2,397.3 | 6,218.2 | 61.4 | 38.6 | 4.4 | 6,186.0 | 6,631.1 | 12,817.1 | 48.3 | 51.7 | 3.4 |
| Nakuru | 4,408.2 | 2,563.1 | 6,971.3 | 63.2 | 36.8 | 4.3 | 6,188.6 | 6,492.5 | 12,681.1 | 48.8 | 51.2 | 3.1 |
| Other urban | 3,861.9 | 1,721.8 | 5,583.7 | 69.2 | 30.8 | 4.0 | 6,481.3 | 6,020.6 | 12,501.9 | 51.8 | 48.2 | 2.7 |
| Nation | 3,152.4 | 922.8 | 4,075.2 | 77.4 | 22.6 | 5.3 | 6,216.3 | 4,157.0 | 10,373.3 | 59.9 | 40.1 | 4.0 |

However, non-food consumption takes more of the budget in urban areas. The urban poor spend about 36 per cent of their budget on non-food while the non-poor spends around 58 per cent. Charts 7.1a to 7.1d depict these expenditure patterns.

Chart 7.1a

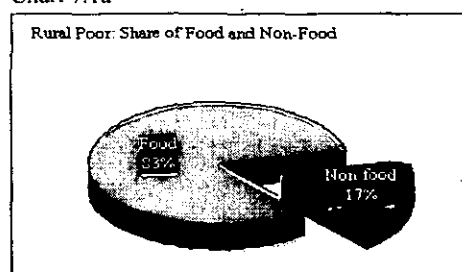


Chart 7.1b

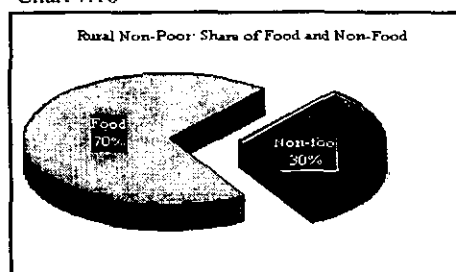


Chart 7.1c

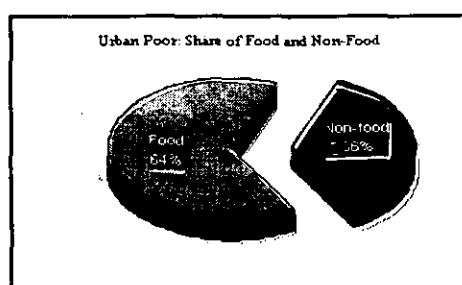
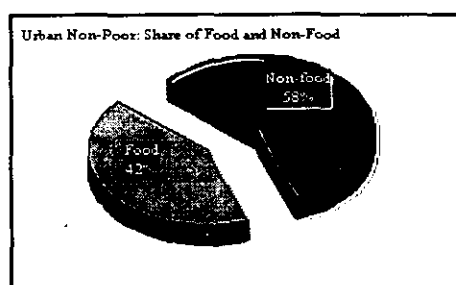


Chart 7.1d



It is only among the urban non-poor that food takes less than 50 per cent of the total household budget. Expenditure on food therefore takes a large share of most Kenyans household budget. This could imply that food is costly and incomes are low and most households can only spare a small portion of their budget to essential non-food expenditures. The urban poor are also faced by a difficult situation since they have to meet some unavoidable non-food expenditures like house rent. Annex 7.1 presents the same information by districts.

7.2 Food expenditure patterns

Table 7.2a shows how households spent their food budget among the various food items. Over a quarter (27 per cent) of the rural poor food budget went to buying maize grain and maize flour. There were marked inter regional differences with two provinces (Coast rural: 45 per cent and Eastern rural: 34 per cent) having allocations on maize above the rural mean. Expenditure on vegetable (13 per cent) ranked second among the rural poor with Western rural being the highest (18 per cent) above the rural mean followed by Nyanza rural (16 per cent) and Central rural (13 per cent). In general, the order of importance in the allocation of food budget among the rural poor was maize followed by vegetable, beans, milk, meat, sugar, cereals, roots and oils and fats. Other foods like bread (with the exception of Coast rural: 5.8 per cent), fish (with the exception of Nyanza rural: 6.5 per cent), eggs, fruits, tea and coffee, beverages, baby food and other foods took each less than three per cent of the food budget.

The urban poor spend less on maize (14 per cent) than the rural poor (27 per cent), while vegetables take about 15 per cent of their food budget. Expenditure on meat took the third rank with 10 per cent of the food budget being allocated for it while bread (which did not feature prominently in rural) came fourth in urban taking a share of about nine per cent. At the national level the poor spent the largest share of their food budget on maize and vegetable. Annex 7.2a and 7.2b presents detailed absolute and foods expenditure shares by district.

Table 7.2a: Expenditure of the Poor on food items (%)

| Region | Cereals | | Meat | | Fish | | Milk | | Eggs | | Oils & Fats | | Fruits | | Vegetables | | Beans | | Roots | | Sugar | | Tea & Beverages | | Coffee | | Baby food | | Other food | |
|-------------------|---------|-------|------|------|------|------|------|-----|------|------|-------------|-----|--------|-----|------------|-----|-------|--|-------|--|-------|--|-----------------|--|--------|--|-----------|--|------------|--|
| | Bread | Maize | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Central Rural | 3.3 | 26.6 | 5.4 | 5.7 | 0.1 | 9.4 | 0.8 | 5.7 | 1.7 | 13.4 | 9.7 | 5.1 | 7.0 | 2.8 | 1.2 | 0.0 | 2.2 | | | | | | | | | | | | | |
| Coast Rural | 5.8 | 45.4 | 2.9 | 6.1 | 3.4 | 2.7 | 0.2 | 5.2 | 0.5 | 7.9 | 5.7 | 2.1 | 6.8 | 1.4 | 2.4 | 0.0 | 1.5 | | | | | | | | | | | | | |
| Eastern Rural | 2.3 | 33.6 | 4.6 | 4.7 | 0.1 | 6.1 | 0.6 | 4.0 | 2.5 | 10.6 | 16.9 | 4.2 | 5.0 | 1.9 | 1.2 | 0.0 | 1.9 | | | | | | | | | | | | | |
| Nyanza Rural | 1.9 | 18.8 | 10.0 | 10.2 | 6.5 | 6.2 | 1.0 | 6.3 | 1.6 | 16.1 | 5.3 | 6.1 | 6.4 | 1.3 | 0.9 | 0.0 | 1.4 | | | | | | | | | | | | | |
| Rift Valley Rural | 3.2 | 26.2 | 4.5 | 8.1 | 0.7 | 13.6 | 1.2 | 4.7 | 0.7 | 11.4 | 8.3 | 3.0 | 7.8 | 2.6 | 2.7 | 0.0 | 1.5 | | | | | | | | | | | | | |
| Western Rural | 2.7 | 21.8 | 3.6 | 9.5 | 4.2 | 7.0 | 0.7 | 4.2 | 1.4 | 17.6 | 4.6 | 9.2 | 8.2 | 2.0 | 1.7 | 0.1 | 1.5 | | | | | | | | | | | | | |
| Total Rural | 2.9 | 26.8 | 5.7 | 7.7 | 2.6 | 8.1 | 0.8 | 5.0 | 1.5 | 13.2 | 8.7 | 5.0 | 6.8 | 2.0 | 1.6 | 0.0 | 1.6 | | | | | | | | | | | | | |
| Total Urban | 9.2 | 14.3 | 5.7 | 10.1 | 2.4 | 7.8 | 1.8 | 6.7 | 2.0 | 15.4 | 6.4 | 3.5 | 5.6 | 1.9 | 3.4 | 0.1 | 3.5 | | | | | | | | | | | | | |
| Nairobi | 9.4 | 15.1 | 5.7 | 9.7 | 2.0 | 8.3 | 1.9 | 6.8 | 2.2 | 16.5 | 5.5 | 3.2 | 5.1 | 2.0 | 3.5 | 0.0 | 3.3 | | | | | | | | | | | | | |
| Mombasa | 11.6 | 18.9 | 5.9 | 6.4 | 4.0 | 4.4 | 1.7 | 6.5 | 1.0 | 9.5 | 11.4 | 4.4 | 6.2 | 4.5 | 3.8 | 0.1 | 2.8 | | | | | | | | | | | | | |
| Kisumu | 9.5 | 7.4 | 5.8 | 11.2 | 6.3 | 5.3 | 2.2 | 8.0 | 2.1 | 16.8 | 5.1 | 2.2 | 6.1 | 6.1 | 0.3 | 3.1 | | | | | | | | | | | | | | |
| Nakuru | 8.7 | 16.9 | 5.1 | 11.1 | 1.5 | 8.3 | 1.8 | 5.6 | 2.2 | 16.7 | 4.7 | 2.0 | 6.1 | 6.1 | 0.5 | 5.7 | | | | | | | | | | | | | | |
| Other urban | 8.0 | 11.9 | 6.0 | 11.9 | 1.9 | 8.7 | 1.5 | 6.8 | 2.1 | 15.4 | 6.6 | 4.0 | 6.1 | 6.1 | 0.1 | 3.6 | | | | | | | | | | | | | | |
| Nation | 4.4 | 23.7 | 5.7 | 8.3 | 2.5 | 8.0 | 1.0 | 5.4 | 1.6 | 13.7 | 8.1 | 4.6 | 6.5 | 2.0 | 2.1 | 0.0 | 2.1 | | | | | | | | | | | | | |

Table 7.2b presents the pattern of food budget among the non-poor households. The share of the food budget allocated to maize consumption still featured high (19 per cent) among the rural non-poor although far less than was the case with the rural poor. While meat ranked very low among the poor, meat, vegetables and beans shared the second rank with about 11 per cent of the budget allocated to each. Among the urban non-poor, expenditure on meat featured

prominently (14 per cent) followed by vegetables (12 per cent). Maize took the third rank in food budget followed closely by bread, beverages and milk. The expenditure pattern among the urban non-poor is thus quite different from the rest. At the national level, expenditure on maize plus meat took over a quarter of the non-poor food budget.

Table 7.2b: Expenditure of the Non-Poor on food items (%)

| | Contribution of the Non-Food to Food Items (%) | | | | | | | | | | | | | | | | |
|---------------|--|-------|-----|------|-------------|------|------|------|--------|------|-------|-------|-------------|--------|------|------|-------|
| | Cereal | | | | Oils & Fats | | | | Veget | | | | Tea & Bever | | | Baby | Other |
| | Bread | Maize | s | Meat | Fish | Milk | Eggs | Fats | Fruits | able | Beans | Roots | Sugar | coffee | ages | food | food |
| Central Rural | 5.3 | 17.7 | 5.1 | 8.9 | 0.1 | 8.4 | 1.5 | 5.0 | 2.2 | 11.6 | 12.2 | 10.3 | 4.7 | 2.7 | 2.0 | 0.0 | 2.4 |
| Coast Rural | 8.7 | 21.1 | 5.7 | 12.9 | 4.1 | 4.4 | 1.0 | 8.4 | 0.9 | 7.5 | 10.1 | 2.6 | 6.1 | 1.6 | 2.2 | 0.2 | 2.6 |
| Eastern Rural | 3.3 | 22.5 | 6.1 | 9.4 | 0.1 | 5.5 | 0.7 | 3.2 | 1.8 | 8.5 | 17.6 | 8.6 | 3.8 | 1.7 | 4.6 | 0.0 | 2.3 |
| Nyanza Rural | 3.3 | 17.1 | 8.1 | 12.2 | 5.3 | 5.6 | 1.4 | 7.0 | 2.3 | 14.1 | 7.7 | 5.5 | 5.3 | 1.4 | 1.9 | 0.0 | 1.6 |
| Rift Valley | 4.6 | 19.0 | 5.3 | 14.4 | 0.4 | 11.8 | 1.6 | 4.4 | 1.2 | 9.7 | 10.0 | 4.4 | 5.8 | 2.1 | 3.0 | 0.1 | 2.4 |
| Western Rural | 4.0 | 17.7 | 4.2 | 12.5 | 2.9 | 6.4 | 1.2 | 4.3 | 1.9 | 15.2 | 9.7 | 7.7 | 5.7 | 1.8 | 2.9 | 0.1 | 2.0 |
| Total Rural | 4.5 | 18.9 | 5.7 | 11.5 | 1.5 | 8.0 | 1.3 | 5.0 | 1.8 | 11.2 | 11.4 | 7.1 | 5.1 | 2.0 | 2.8 | 0.1 | 2.2 |
| Total Urban | 8.0 | 8.6 | 5.2 | 13.8 | 2.0 | 7.3 | 2.3 | 6.3 | 3.2 | 12.4 | 6.5 | 4.0 | 3.7 | 2.3 | 7.7 | 0.6 | 5.8 |
| Nairobi | 7.6 | 8.3 | 4.5 | 13.7 | 2.0 | 7.3 | 2.2 | 5.7 | 3.7 | 12.1 | 5.6 | 3.7 | 3.4 | 2.4 | 9.4 | 0.8 | 7.5 |
| Mombasa | 9.2 | 8.5 | 5.6 | 14.6 | 2.5 | 6.9 | 2.4 | 8.4 | 3.3 | 11.1 | 7.8 | 3.8 | 3.7 | 1.8 | 6.2 | 1.1 | 3.1 |
| Kisumu | 8.6 | 8.4 | 4.9 | 12.2 | 3.8 | 8.7 | 3.4 | 6.1 | 2.7 | 15.8 | 6.5 | 2.7 | 4.6 | 1.2 | 4.2 | 0.2 | 6.2 |
| Nakuru | 8.5 | 10.4 | 5.0 | 15.2 | 1.8 | 8.6 | 2.6 | 6.3 | 3.0 | 14.0 | 5.1 | 3.9 | 4.1 | 2.0 | 4.9 | 0.0 | 4.6 |
| Other urban | 7.9 | 8.8 | 6.2 | 13.3 | 1.5 | 7.0 | 2.2 | 6.0 | 2.5 | 13.2 | 7.7 | 4.9 | 4.1 | 2.7 | 6.7 | 0.3 | 4.9 |
| Nation | 5.4 | 16.3 | 5.6 | 12.1 | 1.6 | 7.8 | 1.6 | 5.3 | 2.1 | 11.5 | 10.2 | 6.3 | 4.8 | 2.1 | 4.0 | 0.2 | 3.1 |

Detailed district information on absolute expenditures and expenditure shares on the various food items for the non-poor are presented in the annex tables 7.2c and 7.2d.

7.2.1 Pattern of Own and Purchased consumption

Table 7.3 shows the share of own and purchased food for both the poor and non-poor households. The share of own food in total food expenditure among all rural households is around 32 per cent. Although the non-poor in rural spends more than twice the poor on food, their share of own and purchased food is almost the same. The share of own food is very minimal in urban areas where purchased food accounts for over 98 per cent of food consumed. However, one would expect most rural households to rely heavily on the foods from own farms particularly maize and vegetable that take most of their budget. As shown in Annex Table 7.3, the share of own food is relatively high in just a few districts of Nyanza and Rift Valley. Among the rural poor, only Meru and West Pokot districts have own food shares of over 50 per cent followed closely by Kisii with 49.1 per cent. The rest of the districts have own food shares of less than 47.5 per cent. This is either because of large families, farms have been subdivided to uneconomical portions or due to lack of rain, many families cultivate but fail to receive adequate harvests to sustain them and hence rely on purchases. It could also mean that most rural households practice subsistence farming with little application of modern inputs to boost production. However some districts may also be relying on purchased foods because cash crops occupy most of the land available. Given that districts vary in their farming seasonal calendars, it could be that the survey was carried out when it was not harvest season in most districts. Efforts are being made to compile seasonal calendars for every district for ease of interpreting future WMS survey results of this nature.

Table 7.3 Mean Food Expenditures and Expenditure shares by Poverty

| Region | Poor | | | | | Non-Poor | | | | |
|-------------------|-----------------|-----------------------|-------------------|--------------------|--------------------------|-----------------|-----------------------|-------------------|--------------------|--------------------------|
| | Own food (KShs) | Purchased Food (KShs) | Total food (KShs) | Share own food (%) | Share Purchased Food (%) | Own food (KShs) | Purchased Food (KShs) | Total food (KShs) | Share own food (%) | Share Purchased Food (%) |
| Central Rural | 684.4 | 2,465.4 | 3,149.7 | 21.7 | 78.3 | 1,618.3 | 4,297.9 | 6,190.9 | 26.1 | 73.9 |
| Coast Rural | 412.7 | 2,850.8 | 3,263.5 | 12.6 | 87.4 | 973.5 | 4,394.0 | 5,654.0 | 17.2 | 82.8 |
| Eastern Rural | 883.0 | 2,214.5 | 3,097.5 | 28.5 | 71.5 | 2,239.8 | 3,891.1 | 6,590.2 | 34.0 | 66.0 |
| Nyanza Rural | 1,074.2 | 1,715.8 | 2,790.0 | 38.5 | 61.5 | 1,969.0 | 3,066.2 | 5,221.0 | 37.7 | 62.3 |
| Rift Valley Rural | 1,140.0 | 1,781.6 | 2,921.6 | 39.0 | 61 | 2,267.2 | 3,375.9 | 5,969.9 | 38.0 | 62.0 |
| Western Rural | 831.1 | 1,927.8 | 2,758.9 | 30.1 | 69.9 | 1,962.8 | 3,177.2 | 5,403.9 | 36.3 | 63.7 |
| Total Rural | 931.1 | 2,013.4 | 2,944.5 | 31.6 | 68.4 | 1,938.3 | 3,673.2 | 5,910.7 | 32.8 | 67.2 |
| Total Urban | 101.5 | 3,924.4 | 4,026.0 | 2.5 | 97.5 | 150.0 | 6,162.7 | 7,352.5 | 2.0 | 98.0 |
| Nairobi | 50.3 | 4,048.5 | 4,098.7 | 1.2 | 98.8 | 36.0 | 6,583.5 | 8,046.1 | 0.4 | 99.6 |
| Mombasa | 52.7 | 4,013.2 | 4,065.9 | 1.3 | 98.7 | 124.8 | 6,954.5 | 7,901.3 | 1.6 | 98.4 |
| Kisumu | 51.4 | 3,769.5 | 3,820.9 | 1.3 | 98.7 | 105 | 5,428.1 | 6,186.0 | 1.7 | 98.3 |
| Nakuru | 37.3 | 4,371.0 | 4,408.2 | 0.8 | 99.2 | 106.3 | 5,493.8 | 6,188.6 | 1.7 | 98.3 |
| Other urban | 229.1 | 3,632.8 | 3,861.9 | 5.9 | 94.1 | 353.8 | 5,358.9 | 6,481.3 | 5.5 | 94.5 |
| Nation | 771.6 | 2,380.8 | 3,152.4 | 24.5 | 75.5 | 1,559.2 | 4,657.2 | 6,216.3 | 25.1 | 74.9 |

The low own food consumption in rural areas imply that many households do not derive much of their food from own farms causing them to depend mainly on purchases. With the liberalization of prices of most commodities, it means that most poor households face same market prices as the non-poor hence poverty may deepen among the poor.

7.3 Expenditure on Non-food items

Table 7.4a shows the non-food expenditure pattern of poor households in rural and urban areas. The poor allocate over a quarter of their non-food budget to education, followed by non-durables (16.4 per cent), clothing and footwear (12.3 per cent), Health (11.8 per cent) and lighting and cooking fuel (10.8 per cent). These five non-food expenditure items take over three-quarters of the non-food budget of the rural poor.

In urban areas, house rent takes the largest portion (22 per cent) of the non-food budget among the poor followed by education (12.6 per cent), transport (12.1 per cent), lighting and cooking fuel (11.8 per cent) and non-durables (10 per cent). Health expenditure does not feature among the urban poor as a major expenditure item, taking only five per cent of the total non-food budget. The big urban cities of Nairobi (3.5 per cent) and Mombasa (5 per cent) reported the least allocation of the non-food budget to health. Clothing and footwear, which take over ten per cent of the rural poor non-food budget only takes about eight per cent of the urban poor non-food budget. This could be attributed to the urban dwellers proximity to open air markets selling cheap clothing and footwear.

Table 7.4a Non-food expenditure shares in poor households (%)

| Region | Educational | Health | Cloth & Footwear | Lighting & Cooking fuel | Transport | House rent | Non-durables | Durables | Water | Recreation & personal care | Transfers | Insurance | Tobacco |
|-------------------|-------------|--------|------------------|-------------------------|-----------|------------|--------------|----------|-------|----------------------------|-----------|-----------|---------|
| Central Rural | 32.1 | 8.7 | 7.3 | 15.3 | 8.2 | 1.5 | 15.5 | 3.0 | 0.3 | 1.5 | 2.1 | 0.5 | 4.2 |
| Coast Rural | 18.1 | 8.6 | 14.9 | 11.8 | 11.7 | 0.9 | 16.8 | 3.2 | 4.2 | 1.7 | 2.9 | 0.4 | 4.9 |
| Eastern Rural | 27.6 | 14.7 | 14.0 | 9.0 | 6.8 | 0.5 | 15.6 | 3.3 | 0.3 | 2.8 | 1.3 | 1.2 | 3.0 |
| Nyanza Rural | 22.8 | 12.4 | 14.4 | 10.3 | 9.1 | 0.4 | 17.5 | 5.3 | 0.2 | 3.2 | 3.0 | 0.8 | 0.6 |
| Rift Valley Rural | 23.4 | 9.9 | 14.6 | 11.8 | 9.7 | 0.6 | 16.7 | 3.7 | 0.2 | 2.9 | 3.4 | 0.8 | 2.2 |
| Western Rural | 28.7 | 14.3 | 5.7 | 7.9 | 10.6 | 0.0 | 16.1 | 5.9 | 0.2 | 3.0 | 5.2 | 1.0 | 1.4 |
| Total Rural | 25.5 | 11.8 | 12.3 | 10.8 | 9.1 | 0.6 | 16.4 | 4.2 | 0.5 | 2.7 | 3.0 | 0.8 | 2.3 |
| Total Urban | 12.6 | 5.0 | 8.3 | 11.8 | 12.1 | 22.0 | 10.0 | 3.1 | 3.4 | 4.4 | 3.1 | 0.5 | 3.8 |
| Nairobi | 12.3 | 3.5 | 7.5 | 10.2 | 16.3 | 23.9 | 8.9 | 2.9 | 2.3 | 4.7 | 2.1 | 0.1 | 5.5 |
| Mombasa | 8.4 | 5.0 | 7.9 | 13.5 | 8.9 | 19.0 | 12.9 | 3.5 | 10.7 | 2.8 | 5.4 | 0.7 | 1.3 |
| Kisumu | 10.4 | 8.5 | 9.2 | 14.0 | 6.5 | 15.7 | 10.5 | 2.6 | 8.3 | 4.9 | 7.2 | 1.3 | 0.8 |
| Nakuru | 16.7 | 7.6 | 6.1 | 14.0 | 7.1 | 26.5 | 9.3 | 3.3 | 1.6 | 3.4 | 2.4 | 1.4 | 0.7 |
| Other urban | 14.6 | 6.8 | 10.7 | 13.8 | 6.0 | 19.0 | 11.8 | 3.4 | 2.5 | 4.1 | 3.8 | 0.9 | 2.5 |
| Nation | 19.6 | 8.6 | 10.4 | 11.2 | 10.5 | 10.5 | 13.5 | 3.7 | 1.8 | 3.5 | 3.0 | 0.7 | 3.0 |

Table 7.4b shows the expenditure pattern on non-food items among the non-poor. Expenditure on education still tops the list but absorbs a smaller share of the rural non-food budget. While expenditure on health ranked fourth among the rural poor, it ranks second with the rural non-poor. Clothing and footwear maintains its third rank among the expenditure items in rural while transport comes fourth and non-durables fifth. Expenditure on non-durables ranked second among the rural poor but is ranked fifth by rural non-poor. These five items absorb about 72 per cent of the total rural non-food budget.

Table 7.4b Non-food expenditure shares in Non-poor households (%)

| Region | Educational | Health | Cloth & Footwear | Lighting & Cooking fuel | Transport | House rent | Non-durables | Durables | Water | Recreation & personal care | Transfers | Insurance | Tobacco |
|-------------------|-------------|--------|------------------|-------------------------|-----------|------------|--------------|----------|-------|----------------------------|-----------|-----------|---------|
| Central Rural | 17.4 | 21.3 | 12.2 | 8.5 | 15.2 | 1.1 | 10.0 | 2.7 | 0.3 | 2.8 | 4.5 | 1.4 | 2.4 |
| Coast Rural | 14.5 | 4.8 | 17.0 | 5.5 | 9.7 | 2.8 | 18.0 | 3.5 | 2.2 | 2.8 | 15.7 | 0.5 | 3.1 |
| Eastern Rural | 17.2 | 13.8 | 16.7 | 5.3 | 9.5 | 2.2 | 14.7 | 3.5 | 0.4 | 5.1 | 7.2 | 1.8 | 2.7 |
| Nyanza Rural | 16.4 | 11.8 | 18.1 | 5.6 | 10.7 | 0.9 | 12.4 | 5.6 | 0.1 | 3.7 | 13.1 | 1.1 | 0.5 |
| Rift Valley Rural | 15.4 | 16.1 | 15.8 | 6.0 | 12.9 | 1.0 | 11.2 | 3.5 | 0.2 | 3.1 | 12.2 | 1.4 | 1.2 |
| Western Rural | 16.7 | 13.0 | 9.4 | 5.1 | 13.3 | 0.3 | 11.8 | 5.3 | 0.2 | 4.0 | 18.1 | 1.3 | 1.5 |
| Total Rural | 16.5 | 16.2 | 14.5 | 6.6 | 12.8 | 1.2 | 11.8 | 3.6 | 0.4 | 3.4 | 9.8 | 1.3 | 1.9 |
| Total Urban | 12.1 | 9.5 | 10.2 | 6.4 | 11.9 | 17.5 | 8.1 | 7.6 | 1.8 | 4.2 | 6.0 | 3.8 | 0.9 |
| Nairobi | 13.5 | 10.5 | 9.1 | 5.6 | 12.1 | 17.2 | 8.0 | 9.5 | 1.2 | 4.3 | 3.2 | 5.0 | 0.8 |
| Mombasa | 7.3 | 4.4 | 11.4 | 8.3 | 9.5 | 25.4 | 9.4 | 3.6 | 4.0 | 4.1 | 10.5 | 1.1 | 1.1 |
| Kisumu | 13.4 | 8.6 | 8.9 | 8.8 | 11.3 | 12.4 | 7.1 | 6.2 | 7.5 | 3.3 | 10.5 | 1.8 | 0.2 |
| Nakuru | 8.6 | 14.6 | 9.9 | 6.6 | 7.9 | 16.9 | 9.2 | 5.4 | 1.0 | 4.4 | 10.8 | 3.3 | 1.2 |
| Other urban | 11.7 | 8.2 | 13.5 | 7.6 | 14.3 | 13.2 | 7.6 | 4.6 | 1.7 | 3.9 | 10.5 | 1.8 | 1.3 |
| Nation | 14.2 | 12.7 | 12.3 | 6.5 | 12.3 | 9.6 | 9.9 | 5.7 | 1.1 | 3.8 | 7.8 | 2.6 | 1.4 |

The urban non-poor like the urban poor, spend most of their non-food income on rent, followed by education and transport. Clothing and footwear did not feature among the top five in urban poor but takes the fourth rank among the urban non-poor. Expenditure on health took the fifth rank as a major expenditure item among the non-poor households. These five main items take over 61 per cent of the household non-food budget. Annex tables 7.4a to 7.4d give detailed absolute expenditures and shares.

7.4 Expenditure Pattern by Gender and Poverty

Table 7.5a shows the expenditure pattern between the poor male-headed households and their female counterparts. It is surprising that there is no significant gender difference in total expenditure or the pattern of expenditure on food and non-food items among the urban poor. However, there are wide gender differences in expenditure on both food and non-food items in rural areas. Poor female-headed households spend on average 26 per cent less than male-headed households, with 25 per cent less on food and 32 per cent less on non-food items. Table 7.8b shows the expenditure pattern among the non-poor households. Female headed households in urban spend on overall 43 per cent less than their male counterparts, with 29 per cent less on food and 53 per cent less on non-food. In rural areas, the female-headed households spend 21 per cent less on food, 45 per cent less on non-food while their overall expenditure is 29 per cent less than their male counterparts. The fact that there is no big gender difference in food expenditure supports the assumption that food is given higher priority than non-food items in the household budget. A wide disparity in food expenditure is observed in Nyabene where female-headed households spent about 55 per cent less than the male-headed households. Kwale (116 per cent) and Trans Nzoia (110 per cent) were the only rural districts where female-headed households spent higher than their male counterparts. Non-food expenditure among female-headed households exceeded that of male in five districts namely Kwale (164 per cent), Kitui (105 per cent), Machakos (120 per cent) and Narok (124 per cent) and Nairobi (104 per cent). Provincially, Nyanza shows the widest female-male gap in food (64 per cent), non-food (57 per cent) and total expenditure (63 per cent). The three districts in Nyanza contributing to this low expenditure among the female-headed households were Siaya, Homabay and Migori (see annexe table 7.6a).

Table 7.5a Expenditure distribution of poor households by sex of household head

| Region | Male | | | Female | | | Female as a per cent of Male | | |
|-------------------|---------|----------|---------|---------|----------|---------|------------------------------|----------|-------|
| | Food | Non-food | Total | Food | Non-food | Total | Food | Non-food | Total |
| | (KShs) | | | (KShs) | | | (Per cent) | | |
| Central Rural | 3,465.4 | 812.5 | 4,277.9 | 2,487.0 | 474.8 | 2,961.8 | 71.8 | 58.4 | 69.2 |
| Coast Rural | 3,400.6 | 700.3 | 4,100.8 | 2,894.6 | 566.2 | 3,460.8 | 85.1 | 80.9 | 84.4 |
| Eastern Rural | 3,302.7 | 641.7 | 3,944.4 | 2,691.9 | 557.2 | 3,249.1 | 81.5 | 86.8 | 82.4 |
| Nyanza Rural | 3,183.5 | 644.0 | 3,827.5 | 2,039.0 | 368.7 | 2,407.7 | 64.0 | 57.3 | 62.9 |
| Rift Valley Rural | 3,025.9 | 692.5 | 3,718.4 | 2,563.0 | 490.0 | 3,053.0 | 84.7 | 70.8 | 82.1 |
| Western Rural | 3,045.4 | 683.6 | 3,729.0 | 2,279.9 | 433.7 | 2,713.7 | 74.9 | 63.4 | 72.8 |
| Total Rural | 3,188.5 | 683.7 | 3,872.2 | 2,405.2 | 463.0 | 2,868.2 | 75.4 | 67.7 | 74.1 |
| Total Urban | 4,034.2 | 2,217.3 | 6,251.5 | 4,001.9 | 2,212.4 | 6,214.3 | 99.2 | 99.8 | 99.4 |
| Nairobi | 3,995.4 | 2,542.4 | 6,537.8 | 4,360.2 | 2,650.3 | 7,010.5 | 109.1 | 104.2 | 107.2 |
| Mombasa | 3,927.2 | 1,779.0 | 5,706.2 | 4,613.9 | 1,198.7 | 5,812.6 | 117.5 | 67.4 | 101.9 |
| Kisumu | 3,817.7 | 2,486.2 | 6,303.9 | 3,831.3 | 2,110.9 | 5,942.2 | 100.4 | 84.9 | 94.3 |
| Nakuru | 4,649.9 | 2,582.5 | 7,232.4 | 3,668.4 | 2,503.8 | 6,172.2 | 78.9 | 97.0 | 85.3 |
| Other urban | 4,069.2 | 1,753.4 | 5,822.6 | 3,179.2 | 1,617.6 | 4,796.8 | 78.1 | 92.3 | 82.4 |
| Nation | 3,361.7 | 997.9 | 4,359.6 | 2,665.5 | 748.1 | 3,413.6 | 79.3 | 75.0 | 78.3 |

Interesting differences in expenditure pattern exist between the poor in Tables 7.5a and the non-poor in Table 7.5b. Average expenditure for the rural non-poor (both male and female headed) households is approximately 130 per cent higher than the rural poor households. While non-poor female-headed households in urban areas spent only 73 per cent higher than their rural counterparts, non-poor male-headed households spent 200 per cent higher than poor counterparts.

Table 7.5b Expenditure distribution of Non-poor households by sex of household head

| | Male | | | Female | | | Female as a per cent of Male | | |
|-------------------|---------|----------|----------|---------|----------|----------|------------------------------|----------|-------|
| | Food | Non-food | Total | Food | Non-food | Total | Food | Non-food | Total |
| | (KShs) | | | (KShs) | | | (Per cent) | | |
| Central Rural | 6,584.6 | 3,911.6 | 10,496.2 | 5,294.1 | 1,853.8 | 7,147.9 | 80.4 | 47.4 | 68.1 |
| Coast Rural | 5,716.3 | 2,774.5 | 8,490.8 | 5,427.9 | 1,818.0 | 7,245.9 | 95.0 | 65.5 | 85.3 |
| Eastern Rural | 7,005.0 | 2,598.2 | 9,603.2 | 5,381.4 | 1,812.5 | 7,193.9 | 76.8 | 69.8 | 74.9 |
| Nyanza Rural | 5,805.4 | 2,332.7 | 8,138.0 | 4,401.8 | 1,208.8 | 5,610.6 | 75.8 | 51.8 | 68.9 |
| Rift Valley Rural | 6,261.3 | 2,821.5 | 9,082.7 | 4,926.3 | 1,699.1 | 6,625.4 | 78.7 | 60.2 | 72.9 |
| Western Rural | 5,680.0 | 2,295.7 | 7,975.7 | 4,957.0 | 1,620.6 | 6,577.6 | 87.3 | 70.6 | 82.5 |
| Total Rural | 6,303.4 | 2,949.7 | 9,253.1 | 4,984.7 | 1,635.1 | 6,619.8 | 79.1 | 55.4 | 71.5 |
| Total Urban | 7,733.3 | 11,112.9 | 18,846.2 | 5,528.3 | 5,245.9 | 10,774.3 | 71.5 | 47.2 | 57.2 |
| Nairobi | 8,441.4 | 15,739.0 | 24,180.4 | 4,836.8 | 6,197.5 | 11,034.3 | 57.3 | 39.4 | 45.6 |
| Mombasa | 8,070.4 | 8,040.0 | 16,110.4 | 6,837.7 | 6,780.8 | 13,618.4 | 84.7 | 84.3 | 84.5 |
| Kisumu | 6,441.5 | 7,285.8 | 13,727.3 | 5,356.7 | 4,506.5 | 9,863.2 | 83.2 | 61.9 | 71.9 |
| Nakuru | 6,424.3 | 6,607.3 | 13,031.6 | 5,294.0 | 6,056.8 | 11,350.7 | 82.4 | 91.7 | 87.1 |
| Other urban | 6,794.2 | 6,725.4 | 13,519.7 | 5,632.3 | 4,108.8 | 9,741.1 | 82.9 | 61.1 | 72.1 |
| Nation | 6,647.5 | 4,914.4 | 11,561.9 | 5,058.1 | 2,122.4 | 7,180.5 | 76.1 | 43.2 | 62.1 |

Female-headed households in Nairobi consumed 43 per cent less than male-headed households, the largest difference among the non-poor households for food. The gap on non-food expenditure between the non-poor female and male-headed households was wider in Tharaka Nithi (79 per cent) and Bomet (77 per cent). Nairobi was among the seven districts where female-headed households spent less than 40 per cent on non-food items than the male-headed households. Non-food expenditure among female-headed households exceeded that of male in four districts namely Tana River (109), Mbeere (116), Embu (102) and trans Nzoia (160). At the national level, expenditure on non-food among the male-headed households was about 57 per cent higher than those of the female. Total expenditure among the female-headed households was lowest in Nairobi (46 per cent) but that still exceeded the expenditure of male-headed households in Trans Nzoia (115 per cent) district.

CHAPTER 8: SOCIAL AMENITIES

8.0 Introduction

Adequate shelter as well as access to social amenities is a basic need of human survival. The living standards and general welfare of the households is partly influenced by the availability and accessibility of these amenities. Housing is fundamental to the formation of individual capabilities and to family and community (Human Development Report, UNDP, 1997). It is a basic need for the population and when combined with essential services contribute significantly to better living standards. Housing conditions have direct impact on people's health and quality of life. Poor housing is connected with poor sanitation and exposes people to infection. Some of the indicators that are widely used to monitor this include quality and adequacy of housing, types of material used for construction (temporary for wood and mud, semi-permanent if the wall are made of bricks and permanent if they are made of stone and concrete), means of lighting and cooking in main dwelling units and overcrowding.

This chapter presents the WMS III survey results on size and ownership of dwellings, type of walls, floors and roof materials, ownership of assets, main source of cooking and lighting fuel and mean expenditure on lighting and cooking fuel.

8.1 Sources of cooking fuel

Survey results in Tables 8.1a and 8.1b indicate that firewood is the main source of cooking fuel used by the majority of the population. Over 80 per cent of the poor and 67.8 per cent of the non-poor households use firewood as their main source of cooking fuel. Paraffin is the second most commonly used source of fuel by the two groups.

Table 8.1(a): Distribution of poor households by main source of cooking fuel (%)

| Region | Firewood | Charcoal | Paraffin/oil | Gas | Electricity | Crop residue /sawdust | Animal Waste | Other |
|-------------------|----------|----------|--------------|-----|-------------|-----------------------|--------------|-------|
| Central Rural | 94.9 | 2.8 | 0.9 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 |
| Coast Rural | 98.1 | 1.5 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| Eastern Rural | 97.9 | 1.5 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 |
| Nyanza Rural | 98.2 | 1.3 | 0.2 | 0.2 | 0.0 | 0.1 | 0.0 | 0.0 |
| Rift Valley Rural | 97.5 | 1.6 | 0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 |
| Western Rural | 97.7 | 0.8 | 0.0 | 0.0 | 0.4 | 1.1 | 0.0 | 0.0 |
| Total Rural | 97.5 | 1.5 | 0.4 | 0.1 | 0.1 | 0.3 | 0.0 | 0.0 |
| Total Urban | 7.6 | 23.7 | 67.1 | 1.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| Nairobi | 1.4 | 5.8 | 91.7 | 0.6 | 0.5 | 0.0 | 0.0 | 0.0 |
| Mombasa | 14.7 | 12.8 | 70.7 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kisumu | 7.7 | 44.5 | 43.6 | 2.5 | 1.7 | 0.0 | 0.0 | 0.0 |
| Nakuru | 7.8 | 21.7 | 70.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other Urban | 15.4 | 53.4 | 29.1 | 1.2 | 0.9 | 0.0 | 0.0 | 0.0 |
| Nation | 80.2 | 5.8 | 13.2 | 0.3 | 0.2 | 0.3 | 0.0 | 0.0 |

A higher proportion of the rural population reported firewood as their main source of cooking fuel, (97.5 per cent of the poor and 85.4 per cent of non-poor rural households use this source). This high dependence on firewood by a significant proportion of the population has implications for policies on deforestation and environmental degradation in the country.

Table 8.1b: Distribution of non-poor households by main source of cooking fuel (%)

| Region | Firewood | Charcoal | Paraffin/ | | Electricity | Crop Residual | Animal Waste | Other |
|-------------------|----------|----------|-----------|------|-------------|---------------|--------------|-------|
| | | | Oil | Gas | | | | |
| Central Rural | 81.9 | 6.9 | 8.7 | 0.9 | 0.3 | 1.3 | 0.1 | 0.0 |
| Coast Rural | 67.3 | 20.6 | 11.6 | 0.1 | 0.2 | 0.0 | 0.0 | 0.3 |
| Eastern Rural | 90.8 | 5.6 | 2.8 | 0.5 | 0.0 | 0.0 | 0.0 | 0.3 |
| Nyanza Rural | 91.7 | 5.9 | 1.8 | 0.1 | 0.4 | 0.1 | 0.0 | 0.0 |
| Rift Valley Rural | 84.3 | 8.2 | 7.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 |
| Western Rural | 89.0 | 6.5 | 1.9 | 0.9 | 0.0 | 1.7 | 0.0 | 0.0 |
| Total Rural | 85.4 | 7.6 | 5.7 | 0.5 | 0.2 | 0.5 | 0.0 | 0.1 |
| Total Urban | 2.2 | 19.6 | 58.8 | 14.7 | 4.5 | 0.0 | 0.0 | 0.2 |
| Nairobi | 0.6 | 6.2 | 63.8 | 22.0 | 7.4 | 0.0 | 0.0 | 0.0 |
| Mombasa | 1.5 | 16.8 | 68.4 | 12.5 | 0.8 | 0.0 | 0.0 | 0.0 |
| Kisumu | 1.3 | 45.7 | 45.6 | 6.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| Nakuru | 2.8 | 20.4 | 64.2 | 12.2 | 0.4 | 0.0 | 0.0 | 0.0 |
| Other Urban | | | | | | | | |
| Nation | 67.8 | 10.1 | 17.0 | 3.5 | 1.1 | 0.4 | 0.0 | 0.1 |

However, only 2.2 per cent and 7.6 per cent for urban non-poor and poor respectively use firewood as their source of cooking fuel, the majority use paraffin (67.1 per cent of the poor and 58.8 per cent of the non-poor) followed by charcoal. About 92 per cent of Nairobi's poor and 64 per cent of its' non-poor use paraffin oil as their main source of cooking fuel, while Kisumu has the largest proportion of the poor using charcoal as the main source of cooking. Mombasa has the highest proportion of non-poor (68.4 per cent) using paraffin as the main source of cooking, while Kisumu (45.7 per cent) has the highest proportion of non-poor using charcoal.

Virtually all consumers of gas and electricity are in the urban areas, the highest proportion are the non-poor in Nairobi (22 per cent) followed by the non-poor in Mombasa (12.5 per cent) and Kisumu (12.2 per cent). This is attributed to availability of electricity and reliable supply of gas in major centres. The use of electricity and gas by the poor is low, mainly due to affordability. The poor in urban areas also tend to live in areas that are not adequately served by electricity.

8.2 Sources of lighting

Tables 8.2a and 8.2b present the main sources of lighting fuel used by households, the majority of the poor (92.4 per cent) and non-poor (83.7 per cent) use paraffin as their main source of lighting.

In rural areas about 96 per cent and 93 per cent of the non-poor and poor use paraffin for lighting, however there is a notable difference in the usage of paraffin in urban areas, where 78.8 per cent of the poor compared to 48.3 per cent of the non-poor use this source of lighting. Of the Urban areas, Kisumu reported the highest percentage (90.8 of poor and 63.5 per cent of non-poor) of users of paraffin.

Table 8.2a: Distribution of poor households by main source of lighting (%)

| Region | Paraffin | Gas | Electricity | Candles | Firewood | Other |
|-------------------|----------|-----|-------------|---------|----------|-------|
| Central Rural | 97.9 | 0.2 | 1.6 | 0.0 | 0.4 | 0.0 |
| Coast Rural | 98.0 | 0.0 | 0.1 | 0.0 | 1.8 | 0.1 |
| Eastern Rural | 92.1 | 0.6 | 0.4 | 0.6 | 5.6 | 0.6 |
| Nyanza Rural | 99.7 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 |
| Rift Valley Rural | 90.5 | 0.3 | 0.2 | 0.3 | 8.6 | 0.1 |
| Western Rural | 99.2 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 |
| Total Rural | 95.7 | 0.2 | 0.5 | 0.2 | 3.3 | 0.1 |
| Total Urban | 78.8 | 0.0 | 21.2 | 0.0 | 0.0 | 0.0 |
| Nairobi | 78.8 | 0.0 | 21.2 | 0.0 | 0.0 | 0.0 |
| Mombasa | 82.4 | 0.0 | 17.6 | 0.0 | 0.0 | 0.0 |
| Kisumu | 90.8 | 0.6 | 8.5 | 0.0 | 0.0 | 0.0 |
| Nakuru | 73.2 | 0.0 | 26.8 | 0.0 | 0.0 | 0.0 |
| Other Urban | 75.8 | 0.0 | 24.2 | 0.0 | 0.0 | 0.0 |
| Nation | 92.4 | 0.2 | 4.4 | 0.2 | 2.7 | 0.1 |

The tables show that electricity is used more by urban dwellers than rural residents and also by a higher proportion of the non-poor than poor (51 per cent compared to 21 per cent). The national average shows that 14 per cent of the non-poor use electricity while only 4.4 per cent of the poor use it. This is associated with affordability as well as availability of electricity supply in the urban areas.

Table 8.2b: Distribution of non-poor households by main source of lighting (%)

| Region | Paraffin | Gas | Electricity | Candles | Firewood | Other |
|-------------------|----------|-----|-------------|---------|----------|-------|
| Central Rural | 91.2 | 0.1 | 7.8 | 0.0 | 0.3 | 0.6 |
| Coast Rural | 89.7 | 0.1 | 9.1 | 0.0 | 1.1 | 0.0 |
| Eastern Rural | 92.4 | 1.0 | 1.7 | 0.1 | 3.7 | 1.1 |
| Nyanza Rural | 97.6 | 0.1 | 1.7 | 0.0 | 0.4 | 0.2 |
| Rift Valley Rural | 91.4 | 0.0 | 3.2 | 0.0 | 4.5 | 0.9 |
| Western Rural | 98.1 | 0.0 | 1.5 | 0.0 | 0.5 | 0.0 |
| Total Rural | 93.2 | 0.2 | 4.1 | 0.0 | 2.0 | 0.6 |
| Total Urban | 48.3 | 0.3 | 51.1 | 0.0 | 0.0 | 0.2 |
| Nairobi | 39.6 | 0.5 | 59.9 | 0.0 | 0.0 | 0.0 |
| Mombasa | 52.4 | 0.6 | 47.1 | 0.0 | 0.0 | 0.0 |
| Kisumu | 63.5 | 0.0 | 35.0 | 0.0 | 0.0 | 1.5 |
| Nakuru | 58.0 | 0.0 | 42.0 | 0.0 | 0.0 | 0.0 |
| Other Urban | 54.2 | 0.1 | 44.9 | 0.0 | 0.1 | 0.6 |
| Nation | 83.7 | 0.2 | 14.0 | 0.0 | 1.6 | 0.5 |

Of the poor, Nakuru reported the largest percentage of the users of electricity followed by Nairobi and Mombasa. Of the non-poor Nairobi followed by Mombasa and Nakuru had the highest percentage of those using electricity as their main source.

8.3 Mean Monthly Expenditure on Cooking and Lighting fuel

The highest mean monthly expenditure on cooking and lighting fuel for both the poor and non-poor households is on paraffin (see Table 8.3).

Table 8.3 Mean Monthly Expenditure on Cooking and Lighting Fuel (KShs)

| Region | Poor | | | | | Non-Poor | | | | |
|-------------------|-------------|------|----------|----------|----------|-------------|------|----------|----------|----------|
| | Electricity | Gas | Firewood | Paraffin | Charcoal | Electricity | Gas | Firewood | Paraffin | Charcoal |
| Central Rural | 4.3 | 0.0 | 35.6 | 70.6 | 15.2 | 104.8 | 15.5 | 78.8 | 102.4 | 61.4 |
| Coast Rural | 0.3 | 0.9 | 8.3 | 79.6 | 2.4 | 8.5 | 0.5 | 14.1 | 113.2 | 28.6 |
| Eastern Rural | 0.1 | 0.0 | 4.6 | 56.4 | 2.1 | 4.2 | 1.9 | 17.9 | 85.1 | 22 |
| Nyanza Rural | 0.0 | 0.0 | 7.8 | 54.6 | 2.9 | 1.5 | 0.2 | 15.2 | 82 | 20.3 |
| Rift Valley Rural | 0.6 | 0.0 | 10.8 | 66.0 | 8.5 | 14.6 | 0.9 | 26.5 | 97.9 | 36.9 |
| Western Rural | 0.0 | 0.0 | 2.8 | 47.7 | 2.9 | 2.5 | 0 | 17.7 | 79.1 | 16.5 |
| Total Rural | 0.6 | 0.1 | 9.9 | 60.2 | 5.3 | 31.2 | 4.4 | 34.4 | 93 | 35 |
| Total Urban | 20.3 | 8.6 | 9.3 | 180.4 | 90.8 | 433.9 | 163 | 5.1 | 207.1 | 136.7 |
| Nairobi | 9.7 | 12.7 | 0.0 | 227.4 | 51.7 | 635.2 | 229 | 4.2 | 182 | 96.1 |
| Mombasa | 25.9 | 6.7 | 5.1 | 184.3 | 32.4 | 381 | 122 | 3.5 | 372.1 | 167.2 |
| Kisumu | 21.6 | 3.2 | 21.1 | 137.5 | 204.1 | 252.2 | 67.6 | 0.1 | 154.5 | 273.3 |
| Nakuru | 84.8 | 0.0 | 38.1 | 174.5 | 153.4 | 157.9 | 85.5 | 9.3 | 172 | 155.9 |
| Other Urban | 22.9 | 5.5 | 17.9 | 110.1 | 140.2 | 215.3 | 110 | 7.4 | 161.5 | 163.2 |
| Nation | 3.6 | 1.3 | 9.8 | 78.1 | 18.0 | 97.2 | 30.5 | 29.6 | 111.7 | 51.7 |

Paraffin is the second most commonly used source of cooking fuel by both poor and non-poor households and the main source of lighting for the poor and accounts for the highest mean monthly expenditure on cooking and lighting fuel by poor households. The mean monthly expenditure on paraffin was Kshs. 111.7 for the non-poor and Kshs. 78.1 for the poor. The second highest mean monthly expenditure of the non-poor was electricity (Kshs. 97.2), while for the poor it was charcoal (KShs18.0). Though firewood is the main source of cooking fuel by the poor it has relatively lower costs attached to it and thus low mean expenditure.

Table 8.3 indicates that the most significant difference between the poor and non-poor monthly expenditures on fuel is for electricity. This is particularly the case in urban areas, where the expenditure of the poor on electricity is one twentieth that of the non-poor. The largest spread is in Nairobi.

Urban areas have higher expenditures on fuel for all sources except firewood. The urban poor have the highest mean monthly expenditure on paraffin (Ksh.180.4), while for the non-poor it is electricity (Ksh.433.9). The highest mean monthly expenditure for the rural households is on paraffin, irrespective of whether they are poor or non-poor households. Nairobi non-poor reported the highest mean monthly expenditure on cooking and lighting fuel, which was on electricity (Kshs.635.2)

8.4 Ownership of Assets

Ownership of certain assets is considered an indication of a household's socio-economic status, this can however be region or community specific, and it is also based on tastes and preferences. The WMS III survey sought to examine the percentage of selected assets owned by the poor and non-poor. The assets selected were sewing machines, sofa sets, bicycles, handcarts, motorcycles, radios, fridges, stoves, televisions, stereo cassettes, fans and cars.

Survey results in tables 8.4a and 8.4b show that more of the non-poor owned each of the assets. Radio is the most commonly owned asset with 49.3 per cent and 65.8 per cent of the poor and non-poor respectively reported to have owned this asset. The second and third ranked assets for the poor are bicycles and sofa sets while for the non-poor the order is reversed.

Table 8.4(a). Ownership of assets in poor households (%)

| Region | Sewing machine | Sofa Set | Bicycle | Hand-cart | Motor-cycle | Radio | Fridge | Stove | T.V | T.Phone | Stereo cassette | Fan | Car |
|-------------------|----------------|----------|---------|-----------|-------------|-------|--------|-------|------|---------|-----------------|-----|-----|
| Central Rural | 3.7 | 16.9 | 15.3 | 4.8 | 0.2 | 52.4 | 0.3 | 0.0 | 1.2 | 0.0 | 1.3 | 0.0 | 0.0 |
| Coast Rural | 3.7 | 4.8 | 19.4 | 0.2 | 0.7 | 35.1 | 0.4 | 0.9 | 1.0 | 0.4 | 2.3 | 0.0 | 2.1 |
| Eastern Rural | 3.3 | 6.9 | 20.3 | 3.6 | 0.0 | 48.1 | 0.6 | 3.5 | 0.1 | 0.0 | 3.3 | 0.0 | 0.0 |
| Nyanza Rural | 2.3 | 11.4 | 21.5 | 1.4 | 0.3 | 43.5 | 0.2 | 0.6 | 0.2 | 0.0 | 0.8 | 0.1 | 0.5 |
| Rift Valley Rural | 1.7 | 6.6 | 15.3 | 0.9 | 0.3 | 42.6 | 0.2 | 0.4 | 0.8 | 0.0 | 0.8 | 0.0 | 0.1 |
| Western Rural | 3.9 | 8.5 | 30.0 | 1.4 | 0.2 | 51.3 | 0.0 | 3.3 | 2.0 | 0.2 | 1.2 | 0.0 | 0.0 |
| Total Rural | 2.8 | 9.1 | 20.3 | 2.0 | 0.3 | 45.7 | 0.3 | 1.5 | 0.7 | 0.1 | 1.5 | 0.0 | 0.3 |
| Total Urban | 7.9 | 33.3 | 12.5 | 0.1 | 0.0 | 64.5 | 2.2 | 6.2 | 10.7 | 1.3 | 2.9 | 0.8 | 0.6 |
| Nairobi | 3.8 | 25.4 | 3.7 | 0.0 | 0.0 | 61.0 | 0.6 | 2.9 | 9.2 | 1.3 | 0.0 | 0.0 | 0.0 |
| Mombasa | 10.7 | 19.7 | 16.1 | 0.0 | 0.0 | 61.3 | 11.0 | 5.7 | 15.1 | 1.9 | 3.5 | 3.9 | 0.0 |
| Kisumu | 14.4 | 42.0 | 23.0 | 0.0 | 0.0 | 76.1 | 2.0 | 4.1 | 9.4 | 2.1 | 1.1 | 1.6 | 2.9 |
| Nakuru | 25.8 | 60.1 | 27.1 | 0.0 | 0.6 | 66.5 | 0.7 | 3.8 | 12.4 | 3.2 | 21.0 | 0.0 | 1.6 |
| Other Urban | 8.9 | 44.5 | 20.9 | 0.5 | 0.0 | 68.5 | 2.1 | 12.6 | 11.3 | 0.4 | 4.6 | 0.9 | 1.1 |
| Nation | 3.8 | 13.8 | 18.8 | 1.6 | 0.2 | 49.3 | 0.7 | 2.4 | 2.6 | 0.3 | 1.8 | 0.2 | 0.4 |

In general, the urban poor own more assets than the rural poor, especially Radios, Televisions and Sofa Sets. However, a larger proportion of the rural poor own bicycles as opposed to the urban poor, probably because a bicycle is the most appropriate and accessible mode of transport in rural areas, due to infrastructure.

Regional figures from table 8.4a indicate that of the poor, Kisumu (76.1 per cent) had the highest percentage of those who owned radios followed by Nakuru (66.5 per cent). The largest percentage of those owning sofa sets are in Nakuru (60.1 per cent) and Kisumu (42 per cent). Bicycles are mainly owned in Western rural (30 per cent), Nakuru (27.1 per cent) and Kisumu (23 per cent).

Table 8.4(b): Ownership of assets in non-poor households (%)

| Region | Sewing machine | Sofa Set | Bicycle | Hand-cart | Motor-cycle | Radio | Fridge | Stove | T.V | T.Phone | Stereo cassette | Fan | Car |
|-------------------|----------------|----------|---------|-----------|-------------|-------|--------|-------|------|---------|-----------------|------|------|
| Central Rural | 9.4 | 40.0 | 20.8 | 3.0 | 0.3 | 69.3 | 1.9 | 6.5 | 11.6 | 0.9 | 4.6 | 0.5 | 2.9 |
| Coast Rural | 9.0 | 13.7 | 24.9 | 0.3 | 0.3 | 59.3 | 0.8 | 0.8 | 3.6 | 0.3 | 1.5 | 1.3 | 0.1 |
| Eastern Rural | 7.7 | 25.3 | 31.6 | 7.9 | 0.3 | 61.3 | 0.0 | 5.9 | 4.4 | 0.7 | 7.1 | 0.0 | 1.7 |
| Nyanza Rural | 7.6 | 25.0 | 27.0 | 2.7 | 0.8 | 55.9 | 0.8 | 1.6 | 3.7 | 0.4 | 1.6 | 0.1 | 0.6 |
| Rift Valley Rural | 3.5 | 20.7 | 26.6 | 1.3 | 0.6 | 59.9 | 0.9 | 1.6 | 6.8 | 0.8 | 4.8 | 0.2 | 2.1 |
| Western Rural | 11.0 | 29.3 | 39.2 | 1.8 | 0.2 | 67.9 | 0.7 | 7.8 | 5.1 | 1.6 | 3.1 | 0.0 | 0.5 |
| Total Rural | 7.5 | 27.8 | 27.2 | 2.9 | 0.4 | 62.8 | 1.0 | 4.2 | 6.8 | 0.8 | 4.1 | 0.3 | 1.7 |
| Total Urban | 17.6 | 59.4 | 17.1 | 2.3 | 0.6 | 76.8 | 19.1 | 29.8 | 35.7 | 13.7 | 15.7 | 8.9 | 1.4 |
| Nairobi | 20.2 | 58.5 | 11.9 | 3.6 | 0.4 | 76.7 | 26.2 | 39.5 | 42.9 | 21.6 | 16.5 | 6.8 | 23.8 |
| Mombasa | 27.3 | 62.3 | 20.6 | 3.2 | 0.3 | 80.0 | 25.4 | 20.2 | 40.7 | 12.8 | 15.4 | 27.4 | 8.6 |
| Kisumu | 20.2 | 60.1 | 29.5 | 1.5 | 1.5 | 72.1 | 11.7 | 18.2 | 34.4 | 5.1 | 22.3 | 6.2 | 5.9 |
| Nakuru | 8.6 | 67.7 | 23.1 | 0.0 | 0.4 | 69.2 | 9.2 | 23.0 | 22.1 | 6.3 | 25.8 | 1.4 | 4.8 |
| Other Urban | 10.2 | 56.7 | 19.4 | 0.4 | 1.0 | 78.0 | 8.5 | 24.4 | 26.1 | 5.7 | 10.9 | 3.8 | 0.0 |
| Nation | 9.6 | 34.5 | 25.1 | 2.8 | 0.5 | 65.8 | 4.8 | 9.6 | 13.0 | 3.5 | 6.6 | 2.1 | 4.3 |

In the case of the non-poor, there are wider margins in ownership of assets between rural and urban households, with a higher proportion of the urban non-poor owning each of the assets

except handcarts and bicycle. The non-poor in Nakuru (67.7 per cent), Mombasa (62.3 per cent) and Kisumu (60.1 per cent) as well as the poor in Nakuru (60.1 per cent) had the highest proportion of those owning sofa sets. Bicycles are mainly owned by the non-poor in Western rural (39.2), Eastern rural (31.6) and Kisumu (29.5).

Regional figures presented in tables 8.4a and 8.4b indicate that the highest percentage of those who own radios are the non-poor in Mombasa (80 per cent) and Nairobi (76.7 per cent) and the poor in Kisumu (76.1 per cent).

Ownership of television is low in general, but five times more non-poor own television than the poor. This is due to affordability and also availability of electricity to the poor.

8.5 Housing

Housing is a basic need of the population; combined with essential services, housing contributes significantly to better living standards and household welfare. The survey collected information on characteristics and ownership of the main dwelling unit to determine the housing situation for the poor and non-poor.

8.5.1 Ownership of main dwelling

Owning a house gives a sense of dignity and security to an individual. Ownership of main dwellings by the poor and non-poor is presented in tables 8.5a in the annexe. Interestingly, more of the poor (78.3 per cent compared to 68.6 per cent of the non-poor) own their own homes and a higher proportion of the non-poor rent their dwellings. This may be due to the fact that the poor are not able to afford rent and thus live in poor quality housing including makeshift dwellings under poor conditions.

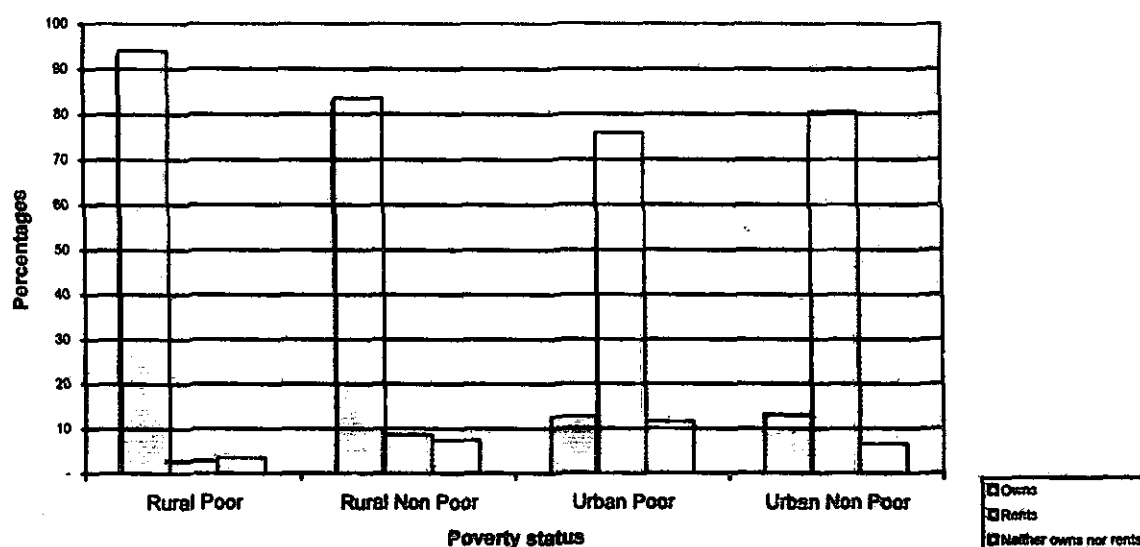
Table 8.5: Distribution of households by dwelling ownership (%)

| Region | Poor | | | | Non-Poor | | | |
|-------------------|-------|-------|------------------------|--------------------|----------|-------|------------------------|--------------------|
| | Owens | Rents | Neither owns nor rents | Nomadic/ Temporary | Owens | Rents | Neither owns nor rents | Nomadic/ Temporary |
| Central Rural | 92.1 | 4.1 | 3.8 | 0.0 | 83.8 | 8.4 | 7.9 | 0.0 |
| Coast Rural | 91.1 | 2.8 | 5.8 | 0.3 | 62.4 | 18.2 | 17 | 2.4 |
| Eastern Rural | 97.7 | 1.7 | 0.6 | 0.0 | 91.9 | 5.7 | 2.3 | 0.0 |
| Nyanza Rural | 97.1 | 2.4 | 0.5 | 0.0 | 89.1 | 9.3 | 1.4 | 0.2 |
| Rift Valley Rural | 86.8 | 4.0 | 8.7 | 0.5 | 76 | 10.7 | 12.2 | 1.1 |
| Western Rural | 98.0 | 0.4 | 1.6 | 0.0 | 91.7 | 2.9 | 5.4 | 0.0 |
| Total Rural | 94.0 | 2.6 | 3.4 | 0.1 | 83.5 | 8.6 | 7.4 | 0.4 |
| Total Urban | 12.6 | 75.9 | 11.5 | 0.0 | 13 | 80.5 | 6.5 | 0.0 |
| Nairobi | 4.6 | 77.2 | 18.2 | 0.0 | 15.8 | 78.2 | 6.0 | 0.0 |
| Mombasa | 20.1 | 77.5 | 2.4 | 0.0 | 13.8 | 83.3 | 3.0 | 0.0 |
| Kisumu | 15.9 | 80.6 | 3.5 | 0.0 | 12.3 | 86.5 | 1.2 | 0.0 |
| Nakuru | 3.6 | 88.5 | 7.9 | 0.0 | 4.9 | 87.6 | 7.5 | 0.0 |
| Other urban | 24.3 | 69.6 | 6.1 | 0.0 | 10.7 | 79.6 | 9.6 | 0.0 |
| Nation | 78.3 | 16.6 | 4.9 | 0.1 | 68.6 | 23.9 | 7.2 | 0.3 |

There is a very clear difference in the ownership of dwellings between urban and rural areas. Amongst the poor 90 per cent own their dwellings in rural areas, compared to only 12.6 per cent in urban areas, these figures are reflected amongst the non-poor; 83.5 per cent in rural

areas and 13 per cent in urban areas. The converse of this situation is true for rented dwellings, that is, substantially more people in urban areas rent accommodation than in rural areas. In fact renting of dwellings is not a very common phenomenon in rural areas as most people live on family land. On the other hand the majority of urban dwellers are forced to live in rented houses due to high costs involved in constructing or purchasing a house in urban centres.

Chart 8.1: Ownership of Dwelling Unit



Regional information displayed in table 8.5 shows that, amongst the poor, Western rural (98 per cent) and Eastern rural (97.7 per cent) have the highest percentage of those who own their own dwellings. Nakuru (3.6 per cent) and Nairobi (4.6 per cent) have the lowest percentages of the poor who own their own dwellings, however amongst the non-poor Nairobi has the highest proportion of dwelling owners in urban areas.

8.5.2 Size and carrying capacity of Dwellings

Housing carrying capacity is essential in determining the level of crowding, overcrowding adversely affects the general living standards of the household. The number of rooms gives an indication of the size of dwellings, and the number of people sleeping in the main/house also give an indication of whether there is crowding or not.

Tables 8.5b and 8.5c in the annex present the number of rooms in the dwellings and number of people sleeping in the main room for the poor and non-poor. These tables indicate that 27.8 per cent of non-poor households and 30.2 per cent of poor households live in single room houses, a higher proportion of non-poor live in houses of three rooms and more. On average there is more overcrowding in the dwellings of the poor than of the non-poor.

Dwellings in rural areas are on average bigger and less crowded than those in the urban areas. A higher proportion of households in the urban areas (67.6 per cent of poor and 78.4 per cent of non-poor) live in one-room dwellings compared to those in the rural areas (67.3 per cent of poor and 74.6 of non-poor). This may be due to the high rents charged in urban areas restricting people to live in more affordable but smaller houses. Amongst the poor Nairobi has the highest percentage living in single rooms (83.7 per cent), followed by Busia (79.1 per cent)

Information available on the number of persons sleeping in the main room shows that there is generally more overcrowding in poor households, who exhibit a larger number of persons sleeping in the main room; 75.4 per cent and 67.4 per cent of non-poor and poor respectively reported having only 1-4 persons sleeping in the main room. There is less overcrowding in rural areas as compared to urban areas. Rural areas have a higher mean number of rooms and lower mean number of people in main house.

8.6 Type of Material used for housing

The type of materials used in construction determines the quality and durability of a house. The kind of material used in Kenya is sometimes region and culture specific; climate in particular is an important factor, as is the income status of the households. The percentage distribution of households by type of materials used in construction of the main house is presented in tables 8.6, 8.7 and 8.8

8.6.1 Roofing Material

Table 8.6: Distribution of Households by Type of Roofing Material (%)

| Region | Poor | | | | | Non-poor | | | | |
|-------------------|-----------------|---------------------|---------|--------|-------|-----------------|---------------------|---------|--------|-------|
| | Mud/Cow Dung | Stone / Cement / | Grass / | Iron | Other | Mud/Cow Dung | Stone / Cement / | Grass / | Iron | Other |
| | | Bricks | Makuti | Sheets | | | Blicks | makuti | Sheets | |
| Central Rural | 2.0 | 0.4 | 5.9 | 87.7 | 4.0 | 1.2 | 1.8 | 3.0 | 92.1 | 1.8 |
| Coast Rural | 1.1 | 0.4 | 76.9 | 20.3 | 1.3 | 0.9 | 1.8 | 57.2 | 39.9 | 0.1 |
| Eastern Rural | 2.2 | 0.9 | 31.9 | 64.5 | 0.5 | 0.4 | 1.3 | 16.4 | 80.7 | 1.2 |
| Nyanza Rural | 1.8 | 0.3 | 47.7 | 49.8 | 0.4 | 1.8 | 1.2 | 40.0 | 55.7 | 1.3 |
| Rift Valley Rural | 3.8 | 0.8 | 51.0 | 44.1 | 0.5 | 4.4 | 1.0 | 30.8 | 62.3 | 1.5 |
| Western Rural - | 1.0 | 0.4 | 47.5 | 51.0 | 0.1 | 2.3 | 0.1 | 43.1 | 54.2 | 0.2 |
| Total Rural | 2.2 | 0.6 | 43.0 | 53.5 | 0.8 | 2.2 | 1.2 | 25.8 | 69.6 | 1.3 |
| Total Urban | 0.5 | 5.4 | 8.9 | 80.9 | 0.0 | 0.1 | 17.8 | 3.4 | 72.0 | 0.0 |
| Nairobi | 0.0 | 7.3 | 0.0 | 90.7 | 2.0 | 0.0 | 27.2 | 0.9 | 65.5 | 6.3 |
| Mombasa | 0.0 | 0.6 | 53.8 | 35.5 | 10.1 | 0.0 | 16.8 | 12.8 | 64.7 | 5.7 |
| Kisumu | 2.1 | 5.6 | 6.7 | 83.0 | 2.6 | 2.4 | 7.3 | 0.0 | 83.6 | 6.7 |
| Nakuru | 0.0 | 0.8 | 2.1 | 86.1 | 10.9 | 0.0 | 3.4 | 0.0 | 87.1 | 9.5 |
| Other Urban | 1.2 | 4.8 | 8.8 | 79.9 | 5.2 | 0.1 | 10.2 | 3.1 | 30.0 | 6.6 |
| Nation | 1.9 | 1.5 | 36.4 | 58.7 | 0.7 | 1.7 | 4.7 | 21.1 | 70.1 | 1.1 |

The most common materials used for roofing by both the poor and non-poor are iron sheets and grass/makuti. There is a higher percentage of non-poor (70.1 per cent) with iron sheet material compared to the poor (58.7 per cent), probably a reflection of the fact the non-poor are more able to afford iron sheets. A higher proportion of poor households (36.4 per cent) have grass/makuti roofs, compared to the non-poor households (21.1 per cent).

There are marked regional differences in the kind of roofing material used. Central province has the highest percentage with iron sheet roofs among the rural areas, followed by Eastern. Coast Province has the highest proportion of both the poor and non-poor with grass/makuti roofs (57.2 per cent and 76.9 per cent). This kind of roofing material is common in the Coast because of the hot climate.

8.6.2 Wall Material

Regionally there are significant differences in the type of walls, for instance 42.8 per cent of urban poor compared to 78 per cent of the rural poor live in mud/cow dung wall dwellings (see Table 8.7). Brick/stones are more common in the urban areas, as 68.4 per cent of the non-poor and 40.8 per cent of the poor live in such dwellings. Western, Nyanza and Coast Provinces have the highest proportion of households with mud/cow dung walls for both the poor and non-poor.

Table 8.7: Distribution of Households by Wall type (%)

| Region | Poor | | | | | Non Poor | | | | |
|-------------------|------|-----------------|------|---------------|-------|----------|-----------------|------|---------------|-------|
| | Mud | Stone/ Brick | Wood | Iron Sheet | Other | Mud | Stone/ Brick | Wood | Iron Sheet | Other |
| Central Rural | 54.9 | 9.0 | 32.2 | 3.0 | 0.8 | 36.0 | 21.6 | 37.5 | 4.8 | 0.5 |
| Coast Rural | 84.9 | 11.6 | 0.6 | 0.9 | 2.0 | 56.0 | 38.3 | 1.2 | 1.5 | 3.3 |
| Eastern Rural | 55.4 | 29.8 | 11.2 | 0.8 | 2.9 | 39.0 | 31.9 | 24.7 | 1.2 | 2.8 |
| Nyanza Rural | 92.8 | 6.9 | 0.1 | 0.2 | 0.0 | 80.0 | 19.3 | 0.0 | 0.5 | 0.4 |
| Rift Valley Rural | 78.7 | 8.2 | 12.4 | 0.2 | 0.5 | 62.0 | 17.3 | 19.3 | 1.4 | 0.5 |
| Western Rural | 94.6 | 4.7 | 0.0 | 0.0 | 0.7 | 80.0 | 20.2 | 0.0 | 0.0 | 0.1 |
| Total Rural | 78.1 | 11.7 | 8.5 | 0.6 | 1.0 | 56.0 | 22.3 | 18.5 | 2.0 | 0.9 |
| Total Urban | 42.8 | 40.8 | 9.0 | 6.6 | 0.9 | 18.0 | 68.4 | 5.7 | 6.0 | 2.1 |
| Nairobi | 52.7 | 29.8 | 7.0 | 10.5 | 0.0 | 21.0 | 64.6 | 3.7 | 10.5 | 0.0 |
| Mombasa | 49.6 | 50.4 | 0.0 | 0.0 | 0.0 | 20.0 | 76.2 | 0.6 | 0.3 | 3.1 |
| Kisumu | 44.0 | 45.6 | 1.5 | 8.9 | 0.0 | 22.0 | 69.7 | 2.0 | 5.1 | 1.1 |
| Nakuru | 22.8 | 64.5 | 4.6 | 0.0 | 8.0 | 11.0 | 69.1 | 7.4 | 1.6 | 11.4 |
| Other urban | 27.2 | 50.1 | 18.1 | 3.1 | 1.4 | 13.0 | 69.1 | 11.7 | 4.2 | 2.1 |
| Nation | 71.3 | 17.3 | 8.6 | 1.8 | 1.0 | 48.0 | 32.0 | 15.8 | 2.8 | 1.2 |

8.6.3. Floor Type

Mud floors are the most common for both the poor and non-poor; 78.1 per cent of poor and 57.1 per cent of non-poor lived in such dwellings. Stone/cement/brick is the second most common for both the poor and non-poor but with a higher percentage of the non-poor (41.1 per cent) living in this kind of housing, this difference depicts the affordability factor.

A higher proportion of those in the rural areas (69 per cent of the non-poor and 87.7 per cent of the poor) have mud floors whereas the most predominant type of flooring in urban areas (83.1 per cent of non-poor and 61.7 per cent of poor) is stone/cement/bricks. Western and Nyanza have the highest proportion of non-poor and poor living in houses with mud floors, while Coast province has the highest proportion of the rural non-poor living in houses with cement / brick floors.

Table 8.8: Distribution of Households by Type of Floor (%)

| Region | Poor | | | | Non-Poor | | | |
|-------------------|------|-------------------|------|-------|----------|-------------------|------|-------|
| | Mud | Stone / Cement | Wood | Other | Mud | Stone / Cement | Wood | Other |
| Central Rural | 84.7 | 13.9 | 0.5 | 1.0 | 65.6 | 33.4 | 1.0 | 0.0 |
| Coast Rural | 88.9 | 10.7 | 0.0 | 0.4 | 55.4 | 44.5 | 0.0 | 0.1 |
| Eastern Rural | 79.2 | 19.5 | 0.2 | 1.2 | 59.5 | 39.5 | 0.5 | 0.6 |
| Nyanza Rural | 91.1 | 8.0 | 0.1 | 0.8 | 77.1 | 22.6 | 0.1 | 0.3 |
| Rift Valley Rural | 87.4 | 10.9 | 1.0 | 0.7 | 71.3 | 26.6 | 1.4 | 0.7 |
| Western Rural | 94.4 | 5.6 | 0.0 | 0.0 | 77.8 | 20.9 | 0.0 | 1.2 |
| Total Rural | 87.7 | 11.3 | 0.3 | 0.7 | 69.0 | 29.8 | 0.7 | 0.5 |
| Total Urban | 37.9 | 61.7 | 0.2 | 0.2 | 12.6 | 83.1 | 2.7 | 1.6 |
| Nairobi | 47.4 | 52.6 | 0.0 | 0.0 | 14.7 | 77.0 | 5.1 | 3.3 |
| Mombasa | 38.5 | 60.1 | 0.0 | 1.4 | 7.5 | 92.0 | 0.6 | 0.0 |
| Kisumu | 28.7 | 70.5 | 0.8 | 0.0 | 14.2 | 83.7 | 2.0 | 0.0 |
| Nakuru | 12.2 | 87.8 | 0.0 | 0.0 | 4.3 | 94.9 | 0.8 | 0.0 |
| Other urban | 28.9 | 70.5 | 0.7 | 0.0 | 14.8 | 83.4 | 1.0 | 0.7 |
| Nation | 78.1 | 21.0 | 0.3 | 0.6 | 57.1 | 41.1 | 1.1 | 0.7 |

CHAPTER 9: WATER AND SANITATION

9.0 Introduction

The quantity and quality of water affects human welfare through several channels and water availability influences the pattern of human settlement and the distribution of various development activities including agriculture and industry. Water shortages on the other hand could lead to low resource utilisation, poor yields, food insecurity and idle capacity in industry. It can also be argued that water scarcity accentuates poverty by limiting people's access to food and employment. From a gender perspective, the burden of inadequate and unsafe water and poor sanitation is borne by women and girls who have to fetch water for domestic use, irrigation and livestock, reducing the participation of women in formal labour markets. In the arid and semi-arid lands, this problem is pronounced especially during periods of drought when the yield in the water sources declines or completely dries up, when this happens many households invest a lot of time and effort in search of water, and in some cases, children are withdrawn from school to assist in the search for and collection of water, often from unsafe sources.

Improved access to water frees up time and energy for girls to attend school and for women to engage in productive activities. Similarly, improved household and community water security, safe environmental sanitation and better hygienic practices are among the most effective approaches of minimising the transmission of and exposure to pathogens and wastes in and around communities and households. When access to water and sanitation is sub-optimal, levels of disease, mortality and morbidity in a population are likely to be high. This partially explains why, as a prerequisite, promotional and preventive health services usually take into account the provision of water and sanitation.

9.1 Main Sources of Water

9.1.1 Wet Season

Results presented in Table 9.1a indicate that, at the national level, over half of poor households rely on unprotected well/rain water and river/lake/pond water during the wet season. There are significant disparities in water sources in rural and urban areas. The most common sources in rural areas are unprotected well/rain water and river/lake/pond water, while the most important sources in urban areas are piped water in compound and public outdoor tap/borehole.

Analysis by province indicates that most households in the rural areas of Central Province rely on unprotected well/rain water during the wet season, however, more households in Coast, Eastern, Nyanza, and Rift Valley provinces rely on river/lake/pond water while most households in Western province use protected and unprotected well water during wet season. Nairobi has the highest percentage of households that rely on water supplied by vendors/trucks.

At the national level the majority of non-poor households depend on unprotected well/rain water, piped water in compound, and river/lake/pond water; as with the poor the two most important water sources among non-poor households in rural areas during wet season are unprotected well/rain water and river/lake/pond water (see Table 8.1b) but with more households accessing piped water in compound or public outdoor tap. As with the poor most non-poor households in urban areas rely on piped water in compound and public outdoor tap/borehole water.

Table 9.1a : Source of drinking water during wet season – poor households (%)

| Region | Piped water in compound | Public outdoor tap/borehole | Protected well | Unprotected well/rain water | River/lake/Pond | Vendor / truck | Other | Total |
|-----------------|-------------------------|-----------------------------|----------------|-----------------------------|-----------------|----------------|-------|-------|
| Central rural | 21.7 | 4.5 | 2.0 | 41.1 | 29.6 | 0.0 | 1.0 | 100 |
| Coast rural | 5.3 | 26.0 | 7.5 | 26.9 | 30.2 | 0.0 | 0.0 | 100 |
| Eastern rural | 8.0 | 9.6 | 6.5 | 35.1 | 37.7 | 1.5 | 1.6 | 100 |
| Nyanza rural | 2.2 | 5.7 | 16.0 | 34.7 | 37.2 | 0.7 | 3.5 | 100 |
| R. Valley rural | 6.0 | 9.3 | 10.4 | 27.4 | 46.0 | 0.1 | 0.9 | 100 |
| Western rural | 6.1 | 10.3 | 40.3 | 34.7 | 8.1 | 0.0 | 0.5 | 100 |
| Total rural | 7.1 | 9.2 | 14.5 | 33.2 | 33.7 | 0.6 | 1.6 | 100 |
| Total Urban | 36.1 | 41.5 | 3.1 | 3.3 | 1.3 | 10.6 | 4.1 | 100 |
| Nairobi | 35.9 | 41.8 | 0.0 | 0.0 | 0.0 | 14.4 | 7.9 | 100 |
| Mombasa | 17.4 | 70.9 | 1.2 | 0.7 | 0.0 | 8.4 | 1.4 | 100 |
| Kisumu | 18.2 | 56.6 | 3.8 | 9.7 | 1.9 | 9.9 | 0.0 | 100 |
| Nakuru | 43.2 | 47.4 | 0.0 | 7.3 | 0.0 | 0.0 | 2.0 | 100 |
| Other urban | 46.2 | 25.5 | 9.4 | 7.6 | 4.0 | 7.3 | 0.1 | 100 |
| National | 12.7 | 15.4 | 12.3 | 27.4 | 27.4 | 2.5 | 2.1 | 100 |

In rural areas of Central province, the two most important water sources among non-poor households are unprotected well/ rain and piped water in compound while in Coast province, most households rely on public outdoor tap/borehole and river/lake/pond water. In Eastern, Nyanza and Rift Valley provinces, most households use unprotected well/rainwater and river/lake/pond water. Figures for Western province indicate that 68.5 per cent of the households depend on protected well and unprotected well/rain water. Table 9.1b also reveals that water vending is not a popular mode of water delivery in non-poor households during the wet season. The two most important sources of water in the major urban areas are piped water in compound and public outdoor tap/borehole. Overall, Mombasa has the highest percentage of households using public outdoor tap/borehole water.

Table 9.1b: Source of drinking water during wet season – non-poor households (%)

| Region | Piped water in compound | Public outdoor tap/borehole | Protected well | Unprotected well/rain water | River/lake/Pond | Vendor / truck | Other | Total |
|-----------------|-------------------------|-----------------------------|----------------|-----------------------------|-----------------|----------------|-------|-------|
| Central rural | 26.6 | 7.1 | 4.5 | 38.4 | 22.3 | 0.3 | 0.9 | 100 |
| Coast rural | 4.8 | 39.6 | 11.4 | 10.9 | 22.8 | 0.0 | 0.0 | 100 |
| Eastern rural | 17.9 | 10.3 | 3.6 | 34.5 | 30.5 | 0.6 | 2.5 | 100 |
| Nyanza rural | 7.5 | 6.2 | 15.6 | 33.1 | 34.5 | 0.2 | 2.8 | 100 |
| R. Valley rural | 11.4 | 15.2 | 12.1 | 25.9 | 33.8 | 0.6 | 0.9 | 100 |
| Western rural | 8.2 | 13.7 | 35.1 | 33.4 | 9.3 | 0.0 | 0.4 | 100 |
| Total rural | 15.0 | 12.0 | 12.1 | 31.7 | 27.0 | 0.6 | 1.4 | 100 |
| Total Urban | 52.8 | 37.8 | 1.3 | 2.1 | 0.9 | 4.7 | 0.5 | 100 |
| Nairobi | 57.4 | 42.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100 |
| Mombasa | 31.9 | 50.4 | 1.6 | 0.0 | 0.0 | 16.1 | 0.0 | 100 |
| Kisumu | 25.0 | 47.2 | 0.6 | 9.0 | 0.0 | 18.2 | 0.0 | 100 |
| Nakuru | 48.5 | 44.1 | 0.0 | 4.5 | 0.0 | 0.8 | 2.1 | 100 |
| Other urban | 62.8 | 20.2 | 3.5 | 4.7 | 3.3 | 4.4 | 1.1 | 100 |
| National | 23.0 | 17.5 | 9.8 | 25.4 | 21.5 | 1.4 | 1.2 | 100 |

Comparison between Tables 9.1a and 9.1b indicates that poor households have less access to safer water sources and are, therefore, more exposed to adverse effects of polluted water compared to non-poor households.

9.1.2 Dry Season

Based on national figures presented in Table 9.2a, the majority of poor households utilise river/lake/pond water, unprotected well/rain water and public outdoor tap/borehole water during the dry season. However there are major regional differences - in urban areas, the two

most important sources of water during the dry season are public outdoor tap/borehole and piped water in compound, only two per cent of the population use water from rivers, lakes and ponds. In contrast, the two most important sources of water in rural areas during the dry season are river/lake/pond and unprotected well/rain water.

In Rift Valley and Central province over half of the poor rely on Rivers, Lakes and Ponds in the dry season, it is only in Western province where this is not the most important source of water for poor households during dry season, instead it is the much safer source of a protected well. It is clear from table 9.2a that water vending is only common in urban areas, in terms of major towns; Nakuru has the highest proportion of poor households using piped water in compound while Mombasa has the highest percentage of poor households using public outdoor tap/borehole water.

Table 9.2a: Percentage distribution of poor households by main source of drinking water during dry season

| Region | Piped water in compound | Public outdoor tap/borehole | Protected well | Unprotected well / rain water | River / lake / pond | Vendor / truck | Other | Total |
|-----------------|-------------------------|-----------------------------|----------------|-------------------------------|---------------------|----------------|-------|-------|
| Central rural | 16.1 | 6.9 | 4.1 | 15.9 | 55.5 | 0.7 | 0.7 | 100 |
| Coast rural | 4.2 | 31.3 | 9.2 | 15.4 | 34.4 | 0.0 | 0.0 | 100 |
| Eastern rural | 7.5 | 16.5 | 6.6 | 22.4 | 43.4 | 0.1 | 3.5 | 100 |
| Nyanza rural | 2.2 | 8.9 | 18.3 | 26.8 | 43.4 | 0.5 | 0.0 | 100 |
| R. Valley rural | 5.0 | 10.8 | 11.8 | 16.6 | 53.6 | 0.2 | 1.9 | 100 |
| Western rural | 5.6 | 10.0 | 42.9 | 31.6 | 9.9 | 0.0 | 0.0 | 100 |
| Total rural | 6.0 | 12.2 | 16.2 | 22.4 | 41.4 | 0.4 | 1.2 | 100 |
| Total Urban | 34.7 | 42.5 | 3.4 | 2.0 | 2.0 | 11.3 | 4.1 | 100 |
| Nairobi | 35.6 | 42.0 | 0.0 | 0.0 | 0.0 | 14.4 | 7.9 | 100 |
| Mombasa | 17.4 | 71.0 | 1.8 | 0.0 | 0.0 | 8.4 | 1.4 | 100 |
| Kisumu | 18.2 | 54.8 | 5.2 | 0.0 | 2.8 | 19.0 | 0.0 | 100 |
| Nakuru | 41.5 | 54.8 | 0.0 | 0.0 | 0.0 | 0.8 | 2.9 | 100 |
| Other urban | 41.9 | 27.4 | 9.9 | 7.0 | 6.3 | 7.4 | 0.0 | 100 |
| National | 11.5 | 18.0 | 13.7 | 18.5 | 33.8 | 2.5 | 1.8 | 100 |

For non-poor households table 9.2b indicates that they also use river/lake/pond water not to a lesser extent, the other main sources are, piped water in compound and public outdoor tap/borehole water. Urban non-poor households rely virtually exclusively on piped water in compound or on a public outdoor tap. There is a much greater diversification of sources in rural areas, even though the main one is river/lake/pond water during the dry season.

Table 9.2b: Percentage distribution of non-poor households by main source of drinking water during dry season

| Region | Piped water in compound | Public outdoor tap / borehole | Protected well | Unprotected well / rain water | River / lake / pond | Vendor / truck | Other | Total |
|-----------------|-------------------------|-------------------------------|----------------|-------------------------------|---------------------|----------------|-------|-------|
| Central rural | 22.3 | 9.2 | 8.0 | 14.1 | 44.8 | 0.9 | 0.7 | 100 |
| Coast rural | 4.2 | 39.8 | 12.6 | 9.4 | 17.6 | 0.0 | 0.0 | 100 |
| Eastern rural | 15.5 | 19.2 | 5.9 | 17.7 | 36.3 | 1.5 | 3.9 | 100 |
| Nyanza rural | 6.3 | 10.4 | 16.9 | 23.0 | 42.8 | 0.6 | 0.1 | 100 |
| R. Valley rural | 9.2 | 17.4 | 14.9 | 13.5 | 42.5 | 1.0 | 1.6 | 100 |
| Western rural | 8.1 | 13.4 | 42.5 | 26.8 | 9.3 | 0.0 | 0.0 | 100 |
| Total rural | 12.7 | 15.1 | 15.2 | 17.1 | 37.1 | 1.2 | 1.2 | 100 |
| Total Urban | 50.7 | 38.5 | 1.0 | 1.1 | 1.7 | 6.3 | 0.6 | 100 |
| Nairobi | 56.5 | 43.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100 |
| Mombasa | 28.1 | 52.0 | 0.4 | 0.0 | 0.0 | 19.5 | 0.0 | 100 |
| Kisumu | 24.2 | 40.3 | 0.0 | 0.0 | 0.0 | 35.5 | 0.0 | 100 |
| Nakuru | 48.5 | 46.7 | 0.0 | 0.0 | 0.0 | 1.3 | 3.5 | 100 |
| Other urban | 59.2 | 20.5 | 3.3 | 3.9 | 6.1 | 5.8 | 1.1 | 100 |
| National | 20.7 | 20.0 | 12.2 | 13.7 | 29.6 | 2.3 | 1.1 | 100 |

Similar to the figures for the poor in the wet and dry seasons, and the non-poor in the wet season, Western province has the highest number of people in rural areas accessing their water from a protected well, whereas again it is in Mombasa and Kisumu that the highest numbers of the non-poor are utilising vendors and trucks.

At the national level, among both poor and non-poor households, river/lake/pond water is the most important source of water during the dry season, however there is a substantial difference between urban and rural areas; most rural households, regardless of their poverty status, rely on river/lake/pond water during the dry season whereas the majority of urban households rely on either piped water in compound or public outdoor tap/borehole water.

9.2 Time taken to collect water

The time taken to collect water tells us something about the distributional aspects and the adequacy of water supply. From a poverty perspective, time taken to collect water is an indicator of the extent to which human resources are spent in the search for a basic commodity; it is also a reflection of levels of exclusion and disempowerment among households and communities through supply-side constraints.

9.2.1 Dry Season

Table 9.3 shows that nationally, almost 80 per cent of poor households are able to collect water in less than 30 minutes, while 83.7 per cent of non-poor households achieve this. In urban areas, 97 per cent of both poor and non-poor households are able to collect water in less than 30 minutes, whereas in rural areas, the equivalent figure for poor households is 75 per cent and for non-poor 80 per cent. In rural areas a wider disparity exists, in that 25.5 per cent of non-poor households can collect water in less than 10 minutes but only 14.2 per cent of poor households can do so. The difference between urban and rural areas is also quite large for both poor (urban is 60 per cent, rural 14.2 per cent) and non-poor (urban is 74.6 per cent and rural is 25.5 per cent) households.

Table 9.3: Length of time taken by households to collect water during dry season (%)

| Region | Poor | | | | Non-poor | | | |
|-----------------|-------------|---------------|---------------|------|-------------|---------------|---------------|------|
| | <10 minutes | 10-29 minutes | 30-59 minutes | 60+ | <10 minutes | 10-29 minutes | 30-59 minutes | 60+ |
| Central rural | 25.4 | 61.5 | 9.6 | 3.5 | 35.0 | 53.2 | 8.1 | 3.7 |
| Coast rural | 15.6 | 37.9 | 15.1 | 31.3 | 31.0 | 46.3 | 6.6 | 16.1 |
| Eastern rural | 9.6 | 47.9 | 11.6 | 30.9 | 22.3 | 38.0 | 7.4 | 32.4 |
| Nyanza rural | 6.6 | 64.5 | 14.3 | 14.6 | 13.9 | 60.9 | 14.0 | 11.1 |
| R. Valley rural | 20.8 | 62.6 | 8.0 | 8.6 | 24.7 | 55.0 | 9.1 | 11.2 |
| Western rural | 13.6 | 78.5 | 6.6 | 1.3 | 23.0 | 73.1 | 3.3 | 0.6 |
| Total rural | 14.2 | 61.0 | 10.6 | 14.1 | 25.5 | 54.7 | 8.6 | 11.2 |
| Total Urban | 60.0 | 36.9 | 1.5 | 1.6 | 74.6 | 22.0 | 1.8 | 1.5 |
| Nairobi | 60.3 | 39.2 | 0.0 | 0.0 | 75.7 | 23.2 | 1.1 | 0.0 |
| Mombasa | 56.7 | 42.7 | 0.0 | 0.6 | 80.0 | 19.1 | 0.7 | 0.3 |
| Kisumu | 49.4 | 48.7 | 1.9 | 0.0 | 62.9 | 33.2 | 2.8 | 1.1 |
| Nakuru | 54.0 | 38.4 | 5.8 | 1.9 | 62.8 | 28.9 | 4.9 | 3.4 |
| Other urban | 64.2 | 27.9 | 3.0 | 4.8 | 74.8 | 18.6 | 2.7 | 4.0 |
| National | 23.0 | 56.4 | 8.9 | 11.7 | 35.9 | 47.8 | 7.2 | 9.2 |

The most frequent length of time spent in collecting water for both poor and non-poor households in all rural provinces is between 10 and 29 minutes. The water problem seems more severe in Coast and Eastern provinces; 46.4 per cent of the poor and 22.7 per cent of the non-poor households in Coast province take over 30 minutes to the nearest main water source.

In Eastern province 42.5 per cent of the poor households and 38.8 per cent of the non-poor households spent more than 30 minutes to collect water. Most households within the major towns take less than ten minutes to the nearest source of water, for instance in Nairobi, 60.3 per cent of the poor households and 75 per cent of the non-poor households spend less than ten minutes to the nearest water point, it is only in Kisumu, where the figure is 49.7 per cent, do less than half the population in urban areas take more than 10 minutes to access water. The same trend is reflected in non-poor households residing in the main towns.

9.2.2 Wet Season

Although about 93 per cent of both poor and non-poor households can collect water in less than 30 minutes in the wet season, table 9.4 shows that 50 per cent of non-poor households can get access in less than 10 minutes while only 34 per cent of poor households achieve this. The majority (58.4 per cent) of poor households in Kenya take 10-29 minutes while about half of non-poor households take less than 10 minutes to collect water during the wet season. In rural areas a large proportion (64.1 per cent) of poor households take between 10-29 minutes, in urban areas an equally large proportion (65 per cent) of the poor take less than 10 minutes. A similar pattern is observed among both rural and urban non-poor households. In Central province most households take less than 10 minutes to collect water during the wet spell, while most households in Coast, Eastern, Nyanza, Rift Valley, and Western take 10-29 minutes to the nearest source of water.

It is also evident from Table 9.4 that within the major towns more non-poor households can access water in less than 10 minutes than poor households. In Nairobi, while 78.5 per cent of non-poor takes less than 10 minutes to access water, 63 per cent of the poor take the same time to reach the nearest water point.

Comparison between Table 9.3 and 9.4 reveals important seasonal differentials in time taken to collect water. At the national level, 11.7 per cent of poor households and 9.2 per cent of non-poor households take over one hour to access water during the dry spell. In comparison, only 2.9 per cent of poor households and 2.7 per cent of non-poor households take over an hour to collect water during the wet season. Over 90 per cent of both poor and non-poor households can collect water in less than 30 minutes in the wet season, which is 10 per cent more than in the dry season.

Table 9.4: Length of time taken by households to collect water during wet season (%)

| Region | Poor | | | | Non-poor | | | |
|-------------------|-------------|---------------|---------------|-----|-------------|---------------|---------------|-----|
| | <10 minutes | 10-29 minutes | 30-59 minutes | 60+ | <10 minutes | 10-29 minutes | 30-59 minutes | 60+ |
| Central rural | 49.6 | 42.5 | 6.6 | 1.3 | 58.9 | 36.4 | 3.0 | 1.7 |
| Coast rural | 25.5 | 63.7 | 6.8 | 4.1 | 36.4 | 54.6 | 4.6 | 4.4 |
| Eastern rural | 19.6 | 64.9 | 9.1 | 6.4 | 34.7 | 51.5 | 7.2 | 6.6 |
| Nyanza rural | 20.0 | 70.3 | 4.7 | 4.9 | 30.1 | 59.1 | 7.7 | 3.0 |
| Rift Valley rural | 33.2 | 59.3 | 4.9 | 2.6 | 45.0 | 47.6 | 4.3 | 3.1 |
| Western rural | 17.7 | 76.0 | 5.8 | 0.6 | 31.8 | 64.9 | 2.9 | 0.4 |
| Total rural | 26.2 | 64.1 | 6.1 | 3.5 | 42.8 | 49.5 | 4.8 | 3.0 |
| Total Urban | 64.9 | 34.5 | 0.2 | 0.4 | 77.9 | 19.9 | 0.4 | 1.8 |
| Nairobi | 63.0 | 37.0 | 0.0 | 0.0 | 78.5 | 18.8 | 0.0 | 2.8 |
| Mombasa | 69.9 | 29.4 | 0.7 | 0.0 | 80.2 | 19.8 | 0.0 | 0.0 |
| Kisumu | 53.0 | 46.2 | 0.8 | 0.0 | 65.4 | 31.2 | 2.2 | 1.1 |
| Nakuru | 64.2 | 35.8 | 0.0 | 0.0 | 69.3 | 30.7 | 0.0 | 0.0 |
| Other urban | 69.0 | 29.4 | 0.4 | 1.3 | 79.8 | 17.1 | 1.0 | 2.0 |
| National | 33.7 | 58.4 | 4.9 | 2.9 | 50.2 | 43.2 | 3.8 | 2.7 |

This suggests that more time is spent collecting water during the dry season than during the wet season, thereby lowering household welfare by reallocating the time and energy of the household away from other productive activities towards the search for water in the dry season

9.3 Access to Safe Water

Safe water is defined as including piped water in compound, water from public outdoor tap/borehole and water from protected wells. Unsafe water is defined as including unprotected well/rain water, lake/river/pond water, water supplied by vendor/truck and water from "other" sources.

Table 9.5: Households with access to safe water (%)

| | Dry Season | | | | Wet Season | | | |
|-------------------|------------|--------|----------|--------|------------|--------|----------|--------|
| | Poor | | Non-poor | | Poor | | Non-poor | |
| | Safe | Unsafe | Safe | Unsafe | Safe | Unsafe | Safe | Unsafe |
| Central Rural | 27.1 | 72.9 | 39.5 | 60.5 | 28.2 | 71.8 | 38.2 | 61.8 |
| Coast Rural | 44.7 | 55.3 | 56.5 | 43.5 | 38.8 | 61.2 | 55.9 | 44.1 |
| Eastern Rural | 30.6 | 69.4 | 40.6 | 59.4 | 24.2 | 75.8 | 31.8 | 68.2 |
| Nyanza Rural | 29.3 | 70.7 | 33.6 | 66.4 | 23.9 | 76.1 | 29.3 | 70.7 |
| Rift Valley Rural | 27.6 | 72.4 | 41.4 | 58.6 | 25.6 | 74.4 | 38.7 | 61.3 |
| Western Rural | 58.4 | 41.6 | 63.9 | 36.1 | 56.7 | 43.3 | 56.9 | 43.1 |
| Total Rural | 34.4 | 65.6 | 42.9 | 57.1 | 30.8 | 69.2 | 39.1 | 60.9 |
| Total Urban | 80.6 | 19.4 | 90.2 | 9.8 | 80.7 | 19.3 | 91.9 | 8.1 |
| Nairobi | 77.7 | 22.3 | 100.0 | 0.0 | 77.7 | 22.3 | 100.0 | 0.0 |
| Mombasa | 90.2 | 9.8 | 80.5 | 19.5 | 89.5 | 10.5 | 83.9 | 16.1 |
| Kisumu | 78.2 | 21.8 | 64.5 | 35.5 | 78.6 | 21.4 | 72.8 | 27.2 |
| Nakuru | 96.3 | 3.7 | 95.2 | 4.8 | 90.7 | 9.3 | 92.6 | 7.4 |
| Other urban | 79.3 | 20.7 | 83.1 | 16.9 | 81.1 | 18.9 | 86.5 | 13.5 |
| Nation | 43.3 | 56.7 | 53.0 | 47.0 | 40.4 | 59.6 | 50.3 | 49.7 |

The results presented in table 9.5 indicate that at the national level, the proportion of non-poor households with access to safe water is higher than the corresponding proportion of poor households. While 56.7 per cent of poor households draw their water from unsafe sources during dry season, the corresponding proportion for non-poor households is 47 per cent. During the wet season the proportion of poor and non-poor households using unsafe water are 59.6 per cent and 49.7 per cent respectively. Surprisingly there are no major seasonal differences with regard to access to safe water.

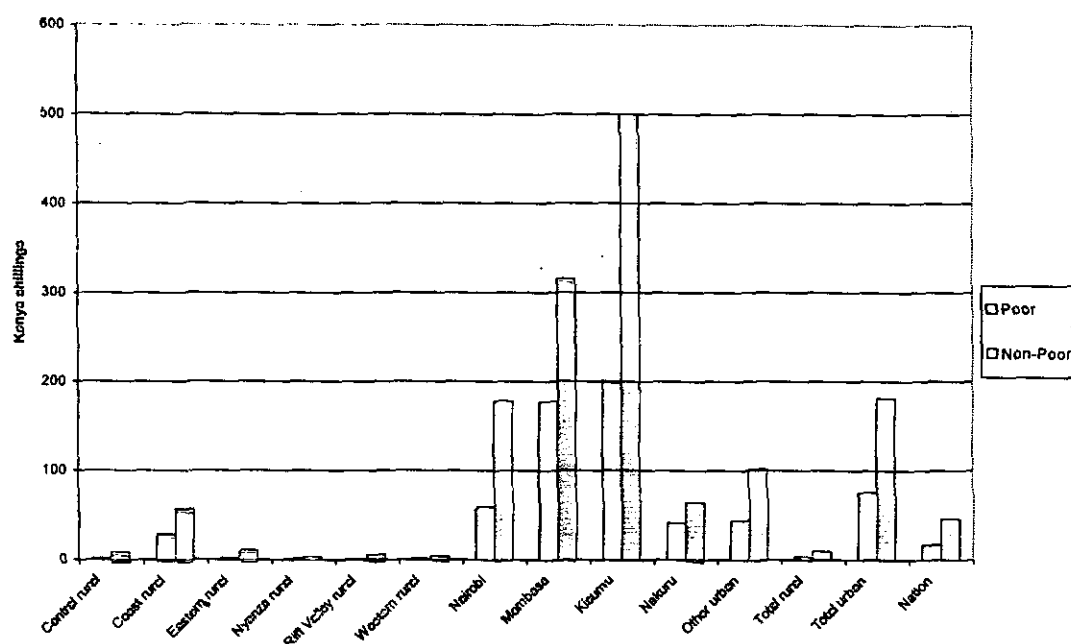
Comparison between rural and urban households in table 9.5 reveals that households in urban areas for all levels of poverty have over twice the level of access to safe water during both dry and wet seasons. Western province has the highest proportion of households using safe water both during dry and wet season and among the poor and non-poor households in rural areas. Central province has the highest proportion of poor households using unsafe water during the dry season. However, during the wet season, Nyanza province has the highest proportion of both poor and non-poor households using unsafe water. The table shows that a large proportion of Kenyans use water from unsafe sources.

9.4 Expenditure on Water

The results presented in chart 9.1 indicate that generally poor households spend less on water than their non-poor counterparts, on average, expenditure on water by non-poor Kenyan households is three times the corresponding expenditure levels in poor households. Mean expenditure on water for both poor and non-poor households in rural areas falls below the

corresponding mean expenditure levels in urban areas. The expenditure gaps between rural and urban areas, and poor and non-poor households, are large (see Annex 7.5a and 7.5b).

Chart 9.1 : Mean monthly household expenditure on water



The expenditure ratio (rural/urban) among poor households is 1:23 while the equivalent ratio for non-poor households is 1:26. The national ratio between poor and non-poor households is 1:3. Mean expenditure on water by poor and non-poor households was highest in Coast province and Kisumu town. Overall, expenditure on water appears to be mainly an urban phenomenon since most of the rural households use river/pond/lake water while their urban counterparts use piped water as reflected in tables 9.2a and 9.2b.

9.5 Sanitation

Safe sanitation includes the use of flush toilets (to sewer/septic tank), covered pit latrine and Ventilated Improved Pit (VIP) latrine for waste disposal. Unsafe sanitation includes the use of pan/bucket, uncovered pit latrine and "other" means of waste disposal. Unsafe sanitation also includes households having "no toilet" since, in principle, the category includes use of the bush as a means of waste disposal.

Table 9.6a indicates that 72.2 per cent of poor households use covered and uncovered pit latrines for waste disposal. Nearly 20 per cent of poor households have no toilets and only a small proportion have VIP latrines. The most disturbing result in table 9.8a is the high proportion of households in Coast, Nyanza and Rift Valley provinces without toilets. Virtually no rural households use flush toilets. Nairobi has the highest proportion of households using uncovered pit latrines and While Nakuru had the highest proportion of households using flush toilets, Kisumu recorded the highest proportion of households using VIP toilets.

Table 9.6a: Type of toilet used by poor households (%)

| Region | None | Flush to sewer/ septic tank | Pan / Bucket | Covered pit latrine | Uncovere d pit latrine | VIP latrine | Other | Total |
|-------------------|------|-----------------------------|--------------|---------------------|------------------------|-------------|-------|-------|
| Central rural | 1.0 | 0.6 | 0.0 | 87.1 | 9.5 | 1.9 | 0.0 | 100 |
| Coast rural | 49.9 | 0.5 | 0.0 | 43.9 | 2.7 | 1.3 | 1.7 | 100 |
| Eastern rural | 19.6 | 0.0 | 0.0 | 49.7 | 28.8 | 1.3 | 0.6 | 100 |
| Nyanza rural | 28.4 | 0.6 | 0.1 | 45.7 | 22.3 | 1.7 | 1.3 | 100 |
| Rift Valley rural | 28.3 | 0.8 | 0.1 | 46.1 | 16.8 | 1.1 | 6.9 | 100 |
| Western rural | 4.5 | 1.0 | 0.0 | 79.4 | 13.4 | 0.4 | 1.3 | 100 |
| Total rural | 21.6 | 0.6 | 0.0 | 56.0 | 18.2 | 1.3 | 2.4 | 100 |
| Total Urban | 9.7 | 21.9 | 0.5 | 36.6 | 27.5 | 1.7 | 2.0 | 100 |
| Nairobi | 17.7 | 21.6 | 0.0 | 21.6 | 35.0 | 0.0 | 4.0 | 100 |
| Mombasa | 6.3 | 13.2 | 0.0 | 48.3 | 30.8 | 1.5 | 0.0 | 100 |
| Kisumu | 1.1 | 14.2 | 0.0 | 54.8 | 14.5 | 15.3 | 0.0 | 100 |
| Nakuru | 0.0 | 42.3 | 0.0 | 33.5 | 21.5 | 0.8 | 2.0 | 100 |
| Other urban | 1.3 | 23.5 | 1.8 | 53.8 | 17.7 | 1.9 | 0.0 | 100 |
| Nation | 19.3 | 4.7 | 0.1 | 52.2 | 20.0 | 1.4 | 2.3 | 100 |

Table 9.6b: Type of toilet used by non-poor households (%)

| Region | None | Flush to sewer/ septic tank | Pan/ Bucket | Covered pit latrine | Uncover ed pit latrine | VIP latrine | Other | Total |
|-------------------|------|-----------------------------|-------------|---------------------|------------------------|-------------|-------|-------|
| Central rural | 0.8 | 3.3 | 0.1 | 83.2 | 7.4 | 5.1 | 0.1 | 100 |
| Coast rural | 23.3 | 2.0 | 0.0 | 64.2 | 5.2 | 2.9 | 2.4 | 100 |
| Eastern rural | 13.2 | 0.2 | 0.4 | 56.1 | 25.4 | 4.0 | 0.6 | 100 |
| Nyanza rural | 24.8 | 1.5 | 0.1 | 50.5 | 20.6 | 2.0 | 0.4 | 100 |
| Rift Valley rural | 16.3 | 2.7 | 0.1 | 54.6 | 19.9 | 3.7 | 2.9 | 100 |
| Western rural | 3.6 | 3.3 | 0.1 | 73.7 | 13.7 | 4.2 | 1.3 | 100 |
| Total rural | 12.1 | 2.3 | 0.1 | 64.4 | 16.0 | 3.8 | 1.2 | 100 |
| Total Urban | 2.2 | 46.2 | 0.1 | 29.4 | 18.9 | 2.5 | 0.8 | 100 |
| Nairobi | 2.4 | 55.3 | 0.0 | 20.7 | 20.2 | 0.3 | 1.1 | 100 |
| Mombasa | 3.4 | 26.1 | 0.0 | 42.3 | 23.7 | 3.9 | 0.0 | 100 |
| Kisumu | 0.0 | 28.5 | 0.0 | 47.2 | 10.1 | 14.2 | 0.0 | 100 |
| Nakuru | 0.0 | 50.6 | 0.0 | 28.8 | 16.4 | 2.2 | 1.9 | 100 |
| Other urban | 2.1 | 44.8 | 0.5 | 32.7 | 15.8 | 3.5 | 0.6 | 100 |
| National | 10.0 | 11.6 | 0.1 | 57.0 | 16.6 | 3.5 | 1.1 | 100 |

Analysis of Table 9.6b indicates that among the non-poor households, the two most important ways of waste disposal are uncovered and covered pit latrines. In the rural areas, covered pit latrines are the most popular while in urban areas, flush toilet is the most common mode of waste disposal. Nyanza province has the highest proportion of households with no toilet. It is surprising that over a quarter of non-poor households do not have access to safe sanitation. This result has important policy implications for safe environmental sanitation and better hygiene.

9.5.1 Access to safe sanitation

According to Table 9.7, about 58.3 per cent of poor households and 72.2 per cent of non-poor households have access to safe sanitation at the national level. Urban households have better access to safe sanitation than their rural counterparts, 60.3 per cent of poor and 78 per cent of non-poor urban households use safe waste disposal methods (compared to rural figures of 57.8 per cent and 70.6 per cent), suggesting that poor rural households have greater exposure to pathogens.

Among poor households, Central province has the lowest proportion of households using unsafe waste disposal methods while Coast province has the highest proportion of households using unsafe sanitary methods. Among major towns, Kisumu has the highest proportion of

poor households with access to safe sanitation while Nairobi has the lowest; again, Kisumu has the highest proportion of non-poor households with access to safe sanitation while Mombasa has the lowest. It is evident that poor households and rural areas are disadvantaged in terms of access to safe sanitation.

Table 9.7: Households with access to safe sanitation (%)

| Region | Poor | | Non-Poor | |
|-------------------|------|--------|----------|--------|
| | Safe | Unsafe | Safe | Unsafe |
| Central rural | 89.5 | 10.5 | 91.6 | 8.4 |
| Coast rural | 45.7 | 54.3 | 69.1 | 30.9 |
| Eastern rural | 51.0 | 49.0 | 60.4 | 39.6 |
| Nyanza rural | 48.9 | 52.1 | 54.1 | 5.9 |
| Rift Valley rural | 48.9 | 52.1 | 60.8 | 39.2 |
| Western rural | 80.8 | 19.2 | 81.3 | 18.7 |
| Total rural | 57.8 | 42.2 | 70.6 | 29.4 |
| Total Urban | 60.3 | 39.7 | 78.0 | 22.0 |
| Nairobi | 43.3 | 56.7 | 76.3 | 23.7 |
| Mombasa | 62.9 | 37.1 | 72.9 | 27.1 |
| Kisumu | 84.4 | 15.6 | 89.9 | 10.1 |
| Nakuru | 76.5 | 23.5 | 81.7 | 18.3 |
| Other urban | 79.2 | 20.8 | 81.0 | 19.0 |
| Nation | 58.3 | 41.7 | 72.2 | 27.8 |

CHAPTER 10: CHILD NUTRITION AND FOOD POVERTY

10.0 Introduction

Nutritional status, along with health, education, environment freedom, security, leisure and drudgery is one of the key determinants of the quality of life. Good nutrition is not only important in improving the quality of life but also a major investment in human capital development. Studies have indicated that nutritional status is usually associated with food intake, which is in turn dependent on income. Thus, where the incidence of poverty is very high, malnutrition is more likely to be high. Poor nutrition is also responsible for morbidity, because malnourished people are less able to resist disease than those that are well fed.

Among children, nutritional status is a sensitive indicator of health and well being. Poor nutritional status is a result of complex interactions of many factors for example lack of access to adequate and balanced diet, poor sanitary conditions, inadequate health care and safe water supply among other factors. In children especially those below the age of five, malnutrition leads to poor physical and mental development and increases the risk of death due to the resultant weak immunity against infection.

In this chapter, Food poverty, and not the Absolute poverty measure is used in assessing the nutritional status of children because of the direct inter-relationship between food intake and the growth of children. The food poverty line is the amount of expenditure required to meet the recommended daily calorie allowance of 2250 calories, based on the foods reportedly consumed. Food poor households are those households whose food expenditure is below the food poverty line of about Ksh.927 and Ksh.1254 (in rural and urban respectively) per adult equivalent.

The analysis in this chapter presents the extent of malnutrition among households classified as food poor and non-food poor. The association between food poverty, malnutrition and other socio-economic factors is also discussed.

10.1 Indicators of Nutritional Status

Three indices that are derived from the weight, height, and age of each child are used. The indices are Height-for-age, Weight-for-height, Weight-for age.

- **Height for age index measures the degree of stunting**, the failure to grow adequately in height in relation to age. This index is an indicator of cumulative growth deficit, associated with chronic inadequate food intake, ill health incorrect feeding practices and low socio-economic status. Children falling below the cut off point of minus two standard deviations (-2SD) from the median of the reference population⁶ are classified as stunted or short for their age.
- **Weight for height index measures the degree of wasting**. It is the failure to gain weight adequately in relation to height that reflects recent or acute under nutrition. Wasting results from a recent inadequate food intake and/or recent acute illness. It is

⁶The reference population used is the international reference population defined by the U.S. National Centre for Health Statistics (NCHS) and accepted by the U.S. Centre for Disease Control (CDC). Since there are no comparable Kenyan or African standards so far developed the NCHS is applied in the analysis of nutritional status of children surveyed in the Welfare Monitoring Survey III of 1997.

also associated with seasonality in morbidity patterns and food availability. Children who are below two standard deviations (-2 SD) of the median of the NCHS reference population are regarded as wasted.

Weight for age index measures the degree of underweight. The Weight for Age index is a composite of Height for age and Weight for Height indices. Children whose Weight for age index falls below minus two standard deviations (-2SD) are classified as underweight.

Generally, in a healthy, well fed population, only 2.3 per cent of children are expected to fall below minus two standard deviations, while for each of the above three indices, less than one per cent of children are expected to fall below minus three standard deviations

The following formula gives the Standard deviation (SD) score of an individual child

$$SD \text{ Score (Z Score)} = \frac{\text{Individual's value} - \text{median value of reference population}}{\text{SD value of reference population}}$$

10.2 Levels of Malnutrition

As shown in Table 10.1 children in urban households displayed a lower prevalence of malnutrition for the three nutritional status indicators. In rural areas, 38 per cent of the children who were surveyed were stunted while in urban areas 29.5 per cent were stunted. Stunting levels at regional levels were highest in Coast rural (41.9 per cent) followed by Eastern rural (40.7 per cent) and Western rural (40.6 per cent)

Table 10.1: Regional distribution of malnourished Children aged 6-59 months (%)

| Region | Stunting Below -2SD | Underweight Below -2SD | Wasting Below -2SD |
|-----------------|------------------------|---------------------------|-----------------------|
| Central rural | 37.0 | 17.7 | 5.7 |
| Coast rural | 41.9 | 27.3 | 7.9 |
| Eastern rural | 40.7 | 27.9 | 6.2 |
| Nyanza rural | 38.1 | 22.1 | 9.7 |
| R. Valley rural | 35.1 | 22.6 | 6.4 |
| Western rural | 40.6 | 26.4 | 4.6 |
| Rural | 38.0 | 23.5 | 6.7 |
| Urban | 29.5 | 14.3 | 4.6 |
| Nairobi | 32.5 | 16.3 | 5.8 |
| Mombasa | 25.1 | 22.6 | 8.8 |
| Kisumu | 32.3 | 11.4 | 3.9 |
| Nakuru | 25.0 | 11.4 | 1.0 |
| Other Towns | 30.0 | 13.6 | 4.5 |
| Nation | 36.9 | 22.3 | 6.5 |

Annex 10.1 presents the levels of stunting, wasting and underweight for districts covered in the survey. Bomet district reported very high rates of stunting with 56.5 per cent while the districts with the lowest stunting levels were Lamu and Nyandarua with 21.2 per cent and 21.8 per cent respectively. In urban areas, Nairobi had the highest prevalence (32.5 per cent) of stunted children followed by Kisumu with 32.3 per cent.

10.3 Child Malnutrition and Food Poverty

Table 10.2 below categorises children aged below five years covered by the survey into two groups, food poor and non-food poor for rural and urban areas. As expected at national level, stunting levels are highest (42.3 per cent) for children belonging to the food poor households. Underweight children from food poor households were a higher proportion (26.3 per cent) than children from their counterpart non-food poor (19.3 per cent). This pattern of child malnutrition holds true for children in rural and also in the urban areas.

Among the rural areas, the highest stunting proportions of malnourished children are found in households living in Coast (50.4 per cent), Eastern (45.8 per cent) and Western (45.8 per cent) provinces. In these three provinces the proportion of stunted children are above the rural average. On the other hand, the least proportions of stunted children among the rural non-food poor households were found in Nyanza (31.8 per cent) and Coast (32.1 per cent) rural.

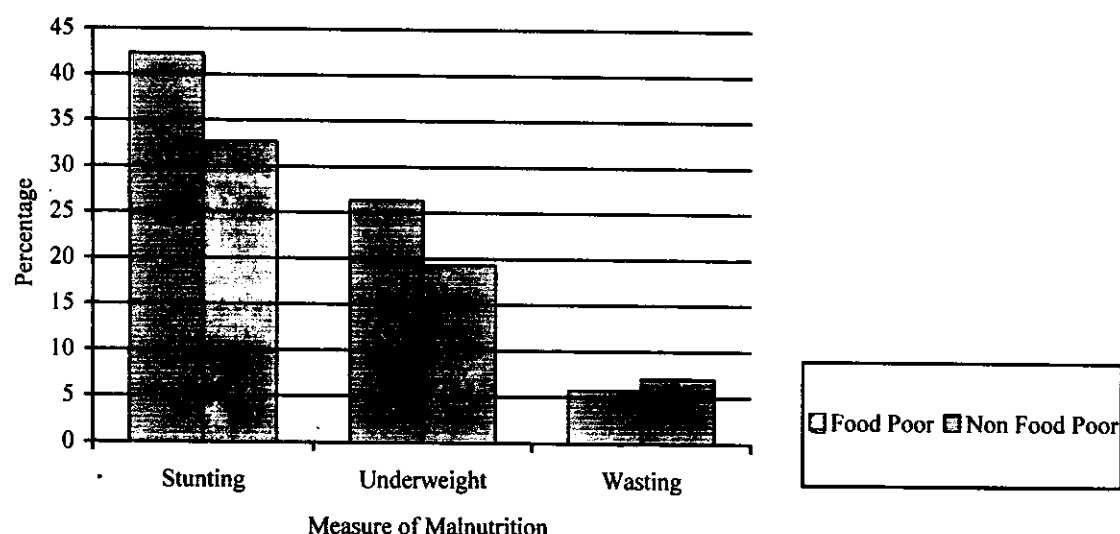
Table 10.2 Distribution of malnourished Children aged 6-59 months by Food Poverty category (%)

| Rural Regions | Food Poor | | | Non Food Poor | | |
|-------------------|------------------|---------------------|-----------------|------------------|---------------------|-----------------|
| | Stunting -2SD | Underweight -2SD | Wasting -2SD | Stunting -2SD | Underweight -2SD | Wasting -2SD |
| Central rural | 36.1 | 22.6 | 7.7 | 37.3 | 16.1 | 5.0 |
| Coast rural | 50.4 | 29.7 | 6.1 | 32.1 | 24.7 | 9.8 |
| Eastern rural | 45.8 | 32.5 | 5.8 | 34.4 | 22.2 | 6.8 |
| Nyanza rural | 45.2 | 23.8 | 6.6 | 31.8 | 20.6 | 12.6 |
| Rift Valley rural | 37.3 | 24.3 | 4.9 | 33.4 | 21.4 | 7.4 |
| Western rural | 45.8 | 30.8 | 6.3 | 33.8 | 20.7 | 2.3 |
| Rural | 43.0 | 27.2 | 5.9 | 33.9 | 20.6 | 7.4 |
| Urban | 36.4 | 18.6 | 3.6 | 25.9 | 12.0 | 5.1 |
| Nairobi | 50.0 | 25.0 | 0.0 | 27.3 | 13.6 | 7.6 |
| Mombasa | 36.8 | 21.1 | 7.9 | 14.3 | 23.8 | 9.5 |
| Kisumu | 34.0 | 14.9 | 2.1 | 31.0 | 8.6 | 5.2 |
| Nakuru | 31.8 | 9.1 | 0.0 | 23.0 | 12.2 | 1.4 |
| Other Towns | 35.7 | 19.8 | 4.0 | 27.2 | 10.4 | 4.8 |
| Nation | 42.3 | 26.3 | 5.7 | 32.7 | 19.3 | 7.0 |

It is clear that children of rural food poor households suffer a higher prevalence of stunting, underweight and wasting compared to the urban households. Chart 10.1 below depicts in summary form the levels of stunting, underweight and wasting for the Food poor and Non Food poor households.

It is interesting to note that in urban areas there is a significant proportion of children in non-food poor households who are malnourished in comparison to food poor households, for instance stunting and wasting rates in Mombasa are higher for food poor households, admittedly the difference is very small. The relatively higher prevalence of wasting among non-food poor could probably be due to transitory food insecurity, child morbidity, such as diarrhoea, and caring capacity. The district details of child malnutrition and food poverty status are presented in Annex. 10.2.

Chart: 10.1 Child Malnutrition



10.4 Household Size and Food poverty

For every household size the poor have a higher prevalence of stunted children, in both rural and urban areas, this pattern is generally repeated in the figures for underweight children, except for households in urban areas with between one and three children (see Table 10.3), suggesting that the poor are bearing the brunt of child malnutrition. The wasting figures do not reflect this pattern however, with the non-poor showing a higher proportion for virtually all age groups, in both urban and rural areas.

The urban-rural difference is quite marked, for almost all household size categories the figures for stunting, underweight and wasting are better in urban than rural areas.

Table 10.3: Distribution of Child Malnutrition by Household Size and Food Poverty (%)

| Household Size | Poor | | | Non-Poor | | |
|--------------------|------------------|---------------------|-----------------|------------------|---------------------|-----------------|
| | Stunting -2SD | Underweight -2SD | Wasting -2SD | Stunting -2SD | Underweight -2SD | Wasting -2SD |
| 1-3 Members | 51.0 | 30.6 | 5.1 | 35.6 | 16.0 | 5.7 |
| 4-6 Members | 43.6 | 25.1 | 4.9 | 33.6 | 21.8 | 8.8 |
| 7+Members | 41.8 | 28.5 | 6.8 | 33.9 | 20.2 | 5.7 |
| Total Rural | 43.0 | 27.2 | 5.9 | 33.9 | 20.6 | 7.4 |
| Total Urban | 36.4 | 18.6 | 3.6 | 25.9 | 12.0 | 5.1 |
| 1-3 Members | 33.3 | 6.7 | 6.7 | 26.2 | 11.2 | 4.7 |
| 4-6 Members | 39.6 | 21.6 | 4.5 | 26.9 | 12.5 | 5.1 |
| 7+Members | 32.7 | 16.3 | 1.9 | 22.1 | 11.6 | 5.8 |
| Nation | 42.3 | 26.3 | 5.7 | 32.7 | 19.3 | 7.0 |

(Below -2SD includes -3SD)

Generally, the results for household size and child malnutrition do not portray the expected trends. It was expected that the larger households especially among the poor would have higher proportions of malnourished children as compared to smaller households. Two possible reasons may partly explain this; the first may be that many household members combine their

efforts to ensure food security for the household and secondly that households with many members have an increased capacity for childcare.

10.5 Water and Child Malnutrition

Access to safe water and adequate sanitation is an important determinant of health and is vital in child survival. Polluted waters, when used for drinking and bathing and cleaning constitute one of the principal pathways for infection by diseases that can kill and sicken people. A global study (by Esrey, Potash, Roberts and Stif, 1991) shows that where there is a significant improvement in a community's water and sanitation, the incidence of diarrhoea can be reduced by as much as 22 per cent, roundworm infection by 28 per cent, guinea worm by 76 per cent and Schistosomiasis (Bilharzia) by 73 per cent. Water borne diseases can be brought about by use of poor toilet facility or use of contaminated water. Such diseases weaken the body of the child and the child loses weight. The immune system is weakened and the child becomes more prone to other diseases. Children once affected in this manner do not grow normally and tend to be malnourished. Although the survey collected information on the type of toilet facility and source of water, type of diseases were not captured.

10.5.1 Source of Water and Child Malnutrition Status

It can be observed from tables 10.4a and 10.4b that households, whether poor or non-poor, who access water from an unprotected well/rainwater, River/lake/pond, and Other sources have the highest incidence of stunting, wasting and underweight children. This is the case in both dry and wet season. These sources have a higher probability of contamination, as they are not protected, and use of contaminated water for drinking and bathing children can bring about diarrhoea and other water borne diseases. Sick children lose their weight and their normal growth is interrupted. This situation may be worsened by lack of adequate food intake and the consequence is high child malnutrition especially among the poor. Tables 10.4a and 10.4b also show that the figures for child malnutrition are generally better for households whose source of water is piped into dwelling/compound.

Table 10.4a Malnutrition in Children under-five by Source of water in dry season'

| Source of water in dry season' | Poor | | | Non Food Poor | | |
|--------------------------------|-------------|------------|-------------|---------------|------------|-------------|
| | Stunting | Wasting | Underweight | Stunting | Wasting | Underweight |
| | -2SD | -2SD | -2SD | -2SD | -2SD | -2SD |
| Piped in the dwelling/Compound | 35.0 | 4.5 | 19.2 | 27.8 | 5.7 | 12.9 |
| Public out door tap/borehole | 43.4 | 5.8 | 26.4 | 32.1 | 6.8 | 20.2 |
| Protected well | 40.3 | 4.3 | 21.6 | 32.2 | 4.9 | 17.1 |
| Unprotected well/rain water | 45.7 | 6.9 | 30.6 | 31.8 | 10.6 | 20.4 |
| River, lake, pond | 42.8 | 5.5 | 27.4 | 35.5 | 7.0 | 22.3 |
| Vendor, Truck | 33.3 | 3.3 | 16.7 | 28.6 | 5.7 | 14.3 |
| Other | 35.7 | 11.9 | 31.0 | 37.5 | 7.5 | 17.5 |
| Nation | 42.3 | 5.7 | 26.3 | 32.6 | 7.0 | 19.3 |

Table 10.4b Malnutrition in Children under five by food poverty and Source of water in rainy season

| Main Source of Water in Rainy Season | Poor | | | Non-Poor | | |
|---|-------------|------------|-------------|-------------|------------|-------------|
| | Stunting | Wasting | Underweight | Stunting | Wasting | Underweight |
| | -2SD | -2SD | -2SD | -2SD | -2SD | -2SD |
| Piped in the dwelling/Compound | 33.8 | 4.5 | 18.2 | 26.8 | 5.4 | 11.2 |
| Public out door tap/borehole | 39.9 | 5.9 | 25.2 | 30.2 | 5.3 | 18.8 |
| Protected well | 41.8 | 4.0 | 23.5 | 31.4 | 4.7 | 17.5 |
| Unprotected well/rain water | 44.3 | 6.6 | 28.4 | 34.1 | 8.8 | 20.5 |
| River, lake, pond | 44.7 | 5.6 | 28.8 | 36.7 | 8.2 | 24.4 |
| Vendor, Truck | 33.3 | 4.8 | 23.8 | 34.8 | 6.5 | 15.2 |
| Other | 32.6 | 9.3 | 18.6 | 34.1 | 6.8 | 27.3 |
| Nation | 42.3 | 5.7 | 26.3 | 32.6 | 7.0 | 19.3 |

10.6 Toilet facility and Food poverty

Among the rural poor, households with no toilet facility have the highest proportion of stunted children; they have the second highest proportion of underweight and wasted children. Households whose toilet facilities flush to a sewer have the highest percentage of underweight children, and those using VIP latrines have the highest number of wasted children. The category other has a sizable representation in all groupings, it also ranks high for stunting and underweight figures amongst the non-food poor. Household with no toilet facility also fare badly amongst the non-food poor, with the second highest proportion of stunted and wasted children, and third highest number of underweight children. Those using a pan/bucket had the highest percentage of wasted and underweight children.

Table 10.5a Percentage Distribution of Child Malnutrition by Type of Toilet facility

| Rural children Type of Toilet facility | Food Poor | | | Non Food Poor | | |
|---|-------------|-------------|------------|---------------|-------------|------------|
| | Stunting | Underweight | Wasting | Stunting | Underweight | Wasting |
| | -2sd | -2sd | -2sd | -2sd | -2sd | -2sd |
| None | 49.0 | 33.1 | 6.5 | 38.2 | 28.2 | 11.1 |
| Flush to sewer | 44.4 | 44.4 | 0.0 | 27.3 | 9.1 | 9.1 |
| Flush to septic tank | 42.9 | 14.3 | 0.0 | 35.7 | 0.0 | 0.0 |
| Pan/bucket | 0.0 | 0.0 | 0.0 | 20.0 | 40.0 | 40.0 |
| Covered pit latrine | 39.8 | 24.1 | 6.0 | 33.3 | 18.7 | 5.9 |
| Uncovered pit latrine | 45.8 | 27.4 | 4.5 | 33.2 | 21.0 | 9.2 |
| VIP latrine | 21.2 | 30.3 | 15.2 | 18.8 | 12.5 | 10.9 |
| Other | 46.2 | 32.3 | 3.1 | 50.0 | 41.3 | 4.3 |
| Total | 43.0 | 27.3 | 5.9 | 33.9 | 20.7 | 7.4 |

In urban areas, amongst the food poor, households who use a VIP latrine have the highest proportion of children stunted. This is closely followed by uncovered pit latrines and households who have no toilet facility. The same three sources of toilet facilities also account for households who have the highest proportion of children underweight and stunted. Amongst the non-poor, households having no toilet facilities have by far the highest proportion of their children stunted and underweight. Those who use toilets that flush to sewers have the highest proportion of wasted children.

Table 10.5 b Percentage Distribution of Child Malnutrition by Type of Toilet facility

| Urban Children Type of Toilet facility | Food Poor | | | Non Food Poor | | |
|---|-----------|-------------|---------|---------------|-------------|---------|
| | Stunting | Underweight | Wasting | Stunting | Underweight | Wasting |
| | -2SD | -2SD | -2SD | -2SD | -2SD | -2SD |
| None | 52.6 | 36.8 | 5.3 | 75.0 | 50.0 | 0.0 |
| Flush to sewer | 14.3 | 0.0 | 2.4 | 23.5 | 8.8 | 6.6 |
| Flush to septic tank | 18.2 | 9.1 | 0.0 | 21.3 | 16.4 | 1.6 |
| Pan/bucket | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Covered pit latrine | 37.1 | 18.2 | 3 | 23.2 | 10.4 | 6.1 |
| Uncovered pit latrine | 52.8 | 30.6 | 5.6 | 33.0 | 15.5 | 4.9 |
| VIP latrine | 54.5 | 36.4 | 9.1 | 33.3 | 6.7 | 0.0 |
| Other | 0.0 | 0.0 | 0.0 | 33.3 | 33.3 | 0.0 |
| Total | 36.4 | 18.6 | 3.6 | 25.9 | 12.1 | 5.1 |

Poor environmental sanitation, especially poor excreta disposal increases the risk of transmission of pathogens and directly affects the health and nutritional status of children. There is need to improve sanitation especially in urban areas in order to reduce prevalence of child malnutrition.

10.7 Child Malnutrition by Age Group and Food poverty

Table 10.6 gives the levels of malnutrition among children in rural and urban areas by age group and food poverty status. From the table it is clear that levels of stunting and underweight are highest among the food poor, for each age category. Children in the second and third years of their lives depict the highest levels of malnutrition for both the food poor and the non-food poor. The nutritional status of a child of this age is critical because if a child is malnourished at this age they do not recover in terms of cognitive or mental development.

Table 10.6 Percentage Distribution of Malnutrition in Children Under-five by age

| Age in Months | Poor | | | Non-poor | | |
|---------------|---------------|------------------|--------------|---------------|------------------|--------------|
| | Stunting -2SD | Underweight -2SD | Wasting -2SD | Stunting -2SD | Underweight -2SD | Wasting -2SD |
| 6 - 11 | 37.1 | 19.8 | 4.9 | 27.3 | 13.0 | 4.7 |
| 12 - 23 | 49.2 | 0.0 | 7.0 | 43.9 | 24.1 | 6.9 |
| 24 - 35 | 39.4 | 27.5 | 6.1 | 33.3 | 20.8 | 8.1 |
| 36 - 47 | 40.7 | 23.2 | 3.2 | 30.1 | 19.9 | 7.4 |
| 48 - 59 | 41.6 | 26.6 | 6.6 | 25.3 | 15.2 | 7.0 |
| Total | 42.3 | 26.3 | 5.7 | 32.7 | 19.3 | 7.0 |

After the third year of life, there is a general downward trend in the levels of malnutrition among children of both food poor and non-food poor children, although the proportions are higher for the food poor. This trend could partly be explained by the life cycle of under fives. Under one year, children mostly depend on their mother's breast milk, which has little or no chance of contamination. In the second and third years of life, children are being introduced to other foods and external factors play a greater role in the survival of the child, food preparation and child care is done by other members of the household, reducing maternal care. At this age children's immune system is also not fully developed and chances of falling sick are increased.

Treatment of sick children and rehabilitation of the malnourished are expensive interventions whose cost can greatly be reduced by sensitising mothers on the importance of correct infant feeding practices

10.8 Level of education of household head and child malnutrition

Table 10.7 presents the analysis of education levels of head of households and food poverty status. The table indicates that among the non-food poor households, as the level of education of the household head increases the proportion of malnourished children decreases. However for the food poor no clear trend emerges. Non-food poor heads that have primary education have lower prevalence of child malnutrition (35.1 per cent) compared to the food poor household heads (42.5 per cent). Heads with secondary education depicted lower child malnutrition rates for the non-poor (28.8 per cent) compared to the food poor with 39.1 per cent.

Table 10.7 Malnutrition in Children under five by level of Education of Household Head

| Education Level of Head | Food Poor | | | Non Food-Poor | | |
|-------------------------|---------------|--------------|------------------|---------------|--------------|------------------|
| | Stunting -2SD | Wasting -2SD | Underweight -2SD | Stunting -2SD | Wasting -2SD | Underweight -2SD |
| None | 35.0 | 8.3 | 16.7 | 37.5 | 11.3 | 26.3 |
| Primary | 42.5 | 5.1 | 28.2 | 35.1 | 6.8 | 21.0 |
| Secondary | 39.1 | 5.3 | 19.1 | 28.8 | 5.8 | 13.6 |
| Other | 53.8 | 0.0 | 53.8 | 19.0 | 3.8 | 3.8 |
| Total | 41.5 | 5.2 | 25.6 | 32.2 | 6.5 | 17.8 |

In volume one of the Second report on poverty in Kenya, it was found that household heads with no education at all reported the highest incidence of poverty in both urban and rural areas. This seems to be reinforced here, showing that education and poverty generally shows a relationship where poverty among households decreases with the increase in the level of education of the head.

ANNEX TABLES

Annex 2.2 Distribution of households members by sex and poverty (%)

| Region | Poor | | | Non-Poor | | |
|--------------------------|-------------------|-------------|-------------|-------------------|-------------|-------------|
| | N | Male (%) | Female (%) | N | Male (%) | Female (%) |
| Central Rural | 1,122,485 | 48.4 | 51.6 | 2,464,684 | 48.4 | 51.6 |
| Kiambu | 280,632 | 49.7 | 50.3 | 840,901 | 48.4 | 51.6 |
| Kirinyaga | 156,168 | 50.7 | 49.3 | 288,218 | 48.9 | 51.1 |
| Muranga | 381,363 | 47.1 | 52.9 | 607,052 | 46.5 | 53.5 |
| Nyandarua | 100,867 | 46.0 | 54.0 | 273,334 | 51.4 | 48.6 |
| Nyeri | 203,455 | 48.4 | 51.6 | 455,179 | 49.0 | 51.0 |
| Coast Rural | 860,701 | 46.9 | 53.1 | 535,947 | 53.2 | 46.8 |
| Kilifi | 422,397 | 45.9 | 54.1 | 220,742 | 58.8 | 41.2 |
| Kwale | 264,477 | 48.1 | 51.9 | 173,229 | 50.8 | 49.2 |
| Lamu | 25,725 | 55.0 | 45.0 | 39,723 | 50.3 | 49.7 |
| Taita Taveta | 132,526 | 45.9 | 54.1 | 70,215 | 45.5 | 54.5 |
| Tana River | 15,576 | 50.7 | 49.3 | 32,038 | 48.9 | 51.1 |
| Eastern Rural | 2,260,472 | 48.9 | 51.1 | 1,631,738 | 48.8 | 51.2 |
| Mbeere | 76,058 | 51.6 | 48.4 | 80,659 | 51.6 | 48.4 |
| Embu | 105,419 | 50.0 | 50.0 | 82,420 | 52.9 | 47.1 |
| Kitui | 462,117 | 49.0 | 51.0 | 254,281 | 48.1 | 51.9 |
| Machakos | 523,045 | 45.1 | 54.9 | 301,121 | 48.7 | 51.3 |
| Meru | 134,150 | 49.9 | 50.1 | 203,847 | 49.7 | 50.3 |
| Makueni | 450,261 | 51.8 | 48.2 | 161,595 | 50.9 | 49.1 |
| Tharaka Nithi | 168,566 | 45.8 | 54.2 | 139,091 | 50.7 | 49.3 |
| Nyambene | 340,856 | 51.0 | 49.0 | 408,723 | 46.2 | 53.8 |
| Nyanza Rural | 2,630,855 | 47.4 | 52.6 | 1,580,697 | 45.6 | 54.4 |
| Kisii | 403,082 | 49.1 | 50.9 | 309,261 | 50.3 | 49.7 |
| Kisumu | 340,659 | 46.8 | 53.2 | 186,963 | 48.5 | 51.5 |
| Siaya | 391,839 | 46.1 | 53.9 | 289,401 | 41.4 | 58.6 |
| Homa Bay | 379,742 | 47.8 | 52.2 | 114,747 | 42.5 | 57.5 |
| Migori | 498,054 | 45.9 | 54.1 | 372,541 | 43.9 | 56.1 |
| Nyamira | 617,479 | 48.4 | 51.6 | 307,785 | 46.0 | 54.0 |
| Rift Valley Rural | 2,656,993 | 49.0 | 51.0 | 2,673,712 | 50.9 | 49.1 |
| Kajiado | 77,396 | 48.3 | 51.7 | 203,183 | 53.7 | 46.3 |
| Kericho | 312,299 | 49.4 | 50.6 | 287,701 | 49.0 | 51.0 |
| Laikipia | 90,523 | 46.3 | 53.7 | 180,748 | 52.4 | 47.6 |
| Nakuru | 388,617 | 48.6 | 51.4 | 478,946 | 51.0 | 49.0 |
| Nandi | 340,556 | 51.9 | 48.1 | 185,561 | 52.7 | 47.3 |
| Narok | 138,052 | 44.8 | 55.2 | 125,999 | 54.6 | 45.4 |
| Bomet | 342,807 | 51.6 | 48.4 | 205,436 | 51.7 | 48.3 |
| Transmara | 135,831 | 46.2 | 53.8 | 101,974 | 38.0 | 62.0 |
| Baringo | 133,866 | 49.8 | 50.2 | 234,861 | 50.6 | 49.4 |
| Elgeyo-Marakwet | 124,742 | 49.0 | 51.0 | 143,876 | 50.6 | 49.4 |
| Trans Nzoia | 233,219 | 46.0 | 54.0 | 193,161 | 49.0 | 51.0 |
| Uasin Gishu | 181,674 | 48.2 | 51.8 | 254,633 | 52.6 | 47.4 |
| West Pokot | 157,412 | 50.4 | 49.6 | 77,631 | 50.4 | 49.6 |
| Western Rural | 1,690,036 | 49.2 | 50.8 | 1,192,420 | 47.0 | 53.0 |
| Bungoma | 447,484 | 49.7 | 50.3 | 374,909 | 49.7 | 50.3 |
| Busia | 280,364 | 46.9 | 53.1 | 142,365 | 45.3 | 54.7 |
| Kakamega | 584,760 | 51.8 | 48.2 | 446,301 | 47.8 | 52.2 |
| Vihiga | 377,428 | 46.5 | 53.5 | 228,845 | 42.2 | 57.8 |
| Total Rural | 11,221,542 | 48.4 | 51.6 | 10,079,199 | 48.8 | 51.2 |
| Total Urban | 1,965,867 | 50.0 | 50.0 | 1,977,615 | 52.6 | 47.4 |
| Nairobi | 946,699 | 51.4 | 48.6 | 913,089 | 54.5 | 45.5 |
| Mombasa | 216,090 | 48.2 | 51.8 | 333,788 | 53.4 | 46.6 |
| Kisumu | 134,065 | 50.5 | 49.5 | 79,079 | 49.7 | 50.3 |
| Nakuru | 113,674 | 47.9 | 52.1 | 162,149 | 50.3 | 49.7 |
| Other urban | 555,339 | 48.7 | 51.3 | 489,511 | 49.8 | 50.2 |
| Nation | 13,187,409 | 48.7 | 51.3 | 12,056,814 | 49.4 | 50.6 |

Annex 2.3 Distribution of household Headship by Gender and Poverty (%)

| Region | Poor | | | Non-Poor | | |
|--------------------------|------------------|-------------|-------------|------------------|-------------|-------------|
| | N | Malehead | Femalehead | N | Malehead | Femalehead |
| Central Rural | 213,415 | 67.7 | 32.3 | 623,638 | 69.5 | 30.5 |
| Kiambu | 47,638 | 64.7 | 35.3 | 197,563 | 79.9 | 20.1 |
| Kirinyaga | 31,824 | 75.0 | 25.0 | 73,429 | 67.8 | 32.2 |
| Muranga | 72,627 | 67.4 | 32.6 | 153,243 | 60.4 | 39.6 |
| Nyandarua | 19,158 | 54.1 | 45.9 | 66,341 | 70.6 | 29.4 |
| Nyeri | 42,169 | 72.4 | 27.6 | 133,062 | 64.9 | 35.1 |
| Coast Rural | 134,769 | 72.9 | 27.1 | 126,826 | 78.4 | 21.6 |
| Kilifi | 59,592 | 76.3 | 23.7 | 52,939 | 90.4 | 9.6 |
| Kwale | 43,218 | 81.1 | 18.9 | 41,687 | 74.1 | 25.9 |
| Lamu | 3,615 | 75.3 | 24.7 | 8,899 | 85.0 | 15.0 |
| Taita Taveta | 26,169 | 51.5 | 48.5 | 17,859 | 51.6 | 48.4 |
| Tana River | 2,175 | 71.1 | 28.9 | 5,442 | 72.3 | 27.7 |
| Eastern Rural | 378,345 | 66.4 | 33.6 | 334,615 | 74.5 | 25.5 |
| Mbeere | 15,846 | 67.8 | 32.2 | 20,600 | 71.9 | 28.1 |
| Embu | 20,709 | 74.7 | 25.3 | 17,988 | 82.5 | 17.5 |
| Kitui | 76,346 | 59.6 | 40.4 | 49,894 | 69.0 | 31.0 |
| Machakos | 83,626 | 48.2 | 51.8 | 58,285 | 70.4 | 29.6 |
| Meru | 26,134 | 83.7 | 16.3 | 46,402 | 86.9 | 13.1 |
| Makueni | 71,554 | 74.7 | 25.3 | 39,869 | 60.9 | 39.1 |
| Tharaka Nithi | 31,516 | 83.5 | 16.5 | 36,357 | 79.9 | 20.1 |
| Nyambene | 52,615 | 71.4 | 28.6 | 65,219 | 77.2 | 22.8 |
| Nyanza Rural | 497,006 | 65.6 | 34.4 | 388,033 | 58.4 | 41.6 |
| Kisii | 65,271 | 72.9 | 27.1 | 59,503 | 62.5 | 37.5 |
| Kisumu | 71,967 | 55.7 | 44.3 | 46,959 | 59.9 | 40.1 |
| Siaya | 91,266 | 57.8 | 42.2 | 92,867 | 44.5 | 55.5 |
| Homa Bay | 80,198 | 65.7 | 34.3 | 31,936 | 48.0 | 52.0 |
| Migori | 75,268 | 85.0 | 15.0 | 81,664 | 64.8 | 35.2 |
| Nyamira | 113,035 | 61.0 | 39.0 | 75,103 | 68.6 | 31.4 |
| Rift Valley Rural | 479,823 | 77.5 | 22.5 | 615,300 | 78.2 | 21.8 |
| Kajiado | 13,788 | 73.5 | 26.5 | 44,261 | 89.6 | 10.4 |
| Kericho | 61,268 | 82.9 | 17.1 | 66,722 | 77.5 | 22.5 |
| Laikipia | 14,567 | 74.1 | 25.9 | 44,960 | 73.3 | 26.7 |
| Nakuru | 80,657 | 65.6 | 34.4 | 141,996 | 76.1 | 23.9 |
| Nandi | 60,715 | 77.3 | 22.7 | 42,638 | 74.5 | 25.5 |
| Narok | 21,876 | 76.0 | 24.0 | 27,452 | 87.7 | 12.3 |
| Bomet | 55,982 | 86.4 | 13.6 | 39,883 | 79.0 | 21.0 |
| Transmara | 24,135 | 74.9 | 25.1 | 20,832 | 63.1 | 36.9 |
| Baringo | 23,878 | 81.5 | 18.5 | 52,117 | 80.7 | 19.3 |
| Elgeyo-Marakwet | 21,499 | 73.2 | 26.8 | 31,333 | 78.2 | 21.8 |
| Trans Nzoia | 44,555 | 78.0 | 22.0 | 40,056 | 78.3 | 21.7 |
| Uasin Gishu | 27,228 | 77.2 | 22.8 | 45,556 | 85.9 | 14.1 |
| West Pokot | 29,676 | 88.3 | 11.7 | 17,493 | 63.2 | 36.8 |
| Western Rural | 307,028 | 62.6 | 37.4 | 273,161 | 61.8 | 38.2 |
| Bungoma | 67,223 | 77.9 | 22.1 | 71,658 | 72.1 | 27.9 |
| Busia | 55,085 | 67.8 | 32.2 | 35,952 | 64.9 | 35.1 |
| Kakamega | 110,185 | 59.0 | 41.0 | 113,193 | 60.1 | 39.9 |
| Vihiga | 74,535 | 50.2 | 49.8 | 52,359 | 49.1 | 50.9 |
| Total Rural | 2,010,386 | 68.8 | 31.2 | 2,361,573 | 70.2 | 29.8 |
| Total Urban | 478,552 | 74.5 | 25.5 | 635,328 | 82.7 | 17.3 |
| Nairobi | 231,043 | 71.7 | 28.3 | 271,771 | 89.0 | 11.0 |
| Mombasa | 52,127 | 79.8 | 20.2 | 106,004 | 86.3 | 13.7 |
| Kisumu | 30,796 | 76.3 | 23.7 | 22,947 | 76.4 | 23.6 |
| Nakuru | 26,378 | 75.4 | 24.6 | 52,963 | 79.1 | 20.9 |
| Other urban | 138,208 | 76.7 | 23.3 | 181,643 | 73.1 | 26.9 |
| Nation | 2,488,938 | 69.9 | 30.1 | 2,996,900 | 72.9 | 27.1 |

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Annex 2.4 Mean Household size by poverty

| Region | Poor | | | Non-Poor | | | All |
|--------------------------|----------------------|-------------------|------------------------|----------------------|-------------------|------------------------|------------------------|
| | Number of households | Number of members | Average household size | Number of households | Number of members | Average household size | Average household size |
| Central Rural | 416 | 2,158 | 5.3 | 1,187 | 4,688 | 4.0 | 4.3 |
| Kiambu | 66 | 392 | 5.9 | 287 | 1,222 | 4.3 | 4.6 |
| Kirinyaga | 82 | 389 | 4.9 | 172 | 666 | 3.9 | 4.2 |
| Muranga | 123 | 643 | 5.3 | 259 | 1,033 | 4.0 | 4.4 |
| Nyandarua | 58 | 307 | 5.3 | 188 | 805 | 4.1 | 4.4 |
| Nyeri | 87 | 427 | 4.8 | 281 | 962 | 3.4 | 3.8 |
| Coast Rural | 421 | 2,594 | 6.4 | 379 | 1,683 | 4.2 | 5.3 |
| Kilifi | 132 | 962 | 7.1 | 94 | 414 | 4.2 | 5.7 |
| Kwale | 123 | 745 | 6.1 | 101 | 426 | 4.2 | 5.2 |
| Lamu | 26 | 182 | 7.1 | 72 | 332 | 4.5 | 5.2 |
| Taita Taveta | 124 | 591 | 5.1 | 78 | 317 | 3.9 | 4.6 |
| Tana River | 16 | 114 | 7.2 | 34 | 194 | 5.9 | 6.3 |
| Eastern Rural | 681 | 3,995 | 6.0 | 581 | 2,765 | 4.9 | 5.5 |
| Mbeere | 49 | 240 | 4.8 | 54 | 215 | 3.9 | 4.3 |
| Embu | 74 | 371 | 5.1 | 62 | 276 | 4.6 | 4.9 |
| Kitui | 202 | 1,245 | 6.1 | 121 | 618 | 5.1 | 5.7 |
| Machakos | 107 | 663 | 6.3 | 71 | 375 | 5.2 | 5.8 |
| Meru | 46 | 240 | 5.1 | 93 | 401 | 4.4 | 4.7 |
| Makueni | 102 | 644 | 6.3 | 54 | 249 | 4.1 | 5.5 |
| Tharaka Nithi | 45 | 244 | 5.3 | 56 | 215 | 3.8 | 4.5 |
| Nyambene | 56 | 348 | 6.5 | 70 | 416 | 6.3 | 6.4 |
| Nyanza Rural | 873 | 4,496 | 5.3 | 753 | 3,127 | 4.1 | 4.8 |
| Kisii | 175 | 1,056 | 6.2 | 203 | 1,057 | 5.2 | 5.7 |
| Kisumu | 190 | 904 | 4.7 | 135 | 526 | 4.0 | 4.4 |
| Siaya | 180 | 780 | 4.3 | 175 | 550 | 3.1 | 3.7 |
| Homa Bay | 115 | 540 | 4.7 | 46 | 153 | 3.6 | 4.4 |
| Migori | 74 | 452 | 6.6 | 95 | 450 | 4.6 | 5.5 |
| Nyamira | 139 | 764 | 5.5 | 99 | 391 | 4.1 | 4.9 |
| Rift Valley Rural | 1,179 | 6,761 | 5.5 | 1,509 | 6,772 | 4.3 | 4.9 |
| Kajiado | 43 | 243 | 5.6 | 126 | 581 | 4.6 | 4.8 |
| Kericho | 104 | 512 | 5.1 | 99 | 427 | 4.3 | 4.7 |
| Laikipia | 58 | 361 | 6.2 | 144 | 563 | 4.0 | 4.6 |
| Nakuru | 126 | 644 | 4.8 | 228 | 817 | 3.4 | 3.9 |
| Nandi | 204 | 1,186 | 5.6 | 145 | 652 | 4.4 | 5.1 |
| Narok | 49 | 308 | 6.3 | 69 | 338 | 4.6 | 5.4 |
| Bomet | 97 | 599 | 6.1 | 67 | 352 | 5.2 | 5.7 |
| Transmara | 39 | 218 | 5.6 | 31 | 158 | 4.9 | 5.3 |
| Baringo | 77 | 421 | 5.6 | 156 | 703 | 4.5 | 4.9 |
| Elgeyo-Marakwet | 100 | 581 | 5.8 | 148 | 686 | 4.6 | 5.1 |
| Trans Nzoia | 103 | 587 | 5.2 | 110 | 545 | 4.8 | 5.0 |
| Uasin Gishu | 96 | 632 | 6.7 | 129 | 702 | 5.6 | 6.0 |
| West Pokot | 83 | 469 | 5.3 | 57 | 248 | 4.4 | 5.0 |
| Western Rural | 491 | 2,785 | 5.5 | 408 | 1,831 | 4.4 | 5.0 |
| Bungoma | 168 | 1,106 | 6.7 | 170 | 909 | 5.2 | 5.9 |
| Busia | 137 | 714 | 5.1 | 81 | 301 | 4.0 | 4.6 |
| Kakamega | 115 | 616 | 5.3 | 109 | 422 | 3.9 | 4.6 |
| Vihiga | 71 | 349 | 5.1 | 48 | 199 | 4.4 | 4.8 |
| Total Rural | 4,061 | 22,789 | 5.6 | 4,817 | 20,866 | 4.3 | 4.9 |
| Total Urban | 745 | 3,187 | 4.1 | 1,132 | 3,395 | 3.1 | 3.5 |
| Nairobi | 107 | 424 | 4.1 | 172 | 573 | 3.4 | 3.7 |
| Mombasa | 70 | 318 | 4.1 | 153 | 482 | 3.1 | 3.5 |
| Kisumu | 96 | 439 | 4.4 | 82 | 301 | 3.4 | 4.0 |
| Nakuru | 73 | 309 | 4.3 | 135 | 408 | 3.1 | 3.5 |
| Other urban | 399 | 1,697 | 4.0 | 590 | 1,631 | 2.7 | 3.3 |
| Nation | 4,806 | 25,976 | 5.3 | 5,949 | 24,261 | 4.0 | 4.6 |

Annex 2.5a Distribution of Households by Size and Poverty (%)

| Region | Poor | | | | Non-Poor | | | |
|--------------------------|------------------|-------------|-------------|-------------|------------------|-------------|-------------|-------------|
| | N | 1-3 | 4-6 | 7+ | N | 1-3 | 4-6 | 7+ |
| Central Rural | 213,415 | 26.7 | 45.1 | 28.2 | 623,638 | 46.5 | 38.6 | 14.8 |
| Kiambu | 47,638 | 20.0 | 46.8 | 33.2 | 197,563 | 42.6 | 37.0 | 20.4 |
| Kirinyaga | 31,824 | 28.3 | 44.3 | 27.3 | 73,429 | 47.8 | 38.7 | 13.4 |
| Muranga | 72,627 | 30.4 | 37.9 | 31.7 | 153,243 | 44.1 | 41.9 | 14.0 |
| Nyandarua | 19,158 | 24.8 | 45.1 | 30.1 | 66,341 | 45.1 | 37.7 | 17.2 |
| Nyeri | 42,169 | 27.6 | 56.1 | 16.4 | 133,062 | 55.3 | 37.6 | 7.1 |
| Coast Rural | 134,769 | 17.9 | 36.6 | 45.5 | 126,826 | 45.9 | 32.5 | 21.6 |
| Kilifi | 59,592 | 21.1 | 23.0 | 55.9 | 52,939 | 46.2 | 31.8 | 22.0 |
| Kwale | 43,218 | 7.1 | 54.1 | 38.8 | 41,687 | 48.8 | 30.3 | 20.9 |
| Lamu | 3,615 | 8.5 | 34.6 | 56.9 | 8,899 | 42.6 | 33.0 | 24.5 |
| Taita Taveta | 26,169 | 31.4 | 39.7 | 28.9 | 17,859 | 49.0 | 37.1 | 13.9 |
| Tana River | 2,175 | - | 28.9 | 71.1 | 5,442 | 15.0 | 40.1 | 44.9 |
| Eastern Rural | 378,345 | 17.6 | 40.8 | 41.5 | 334,615 | 33.2 | 39.2 | 27.7 |
| Mbeere | 15,846 | 41.7 | 27.4 | 30.9 | 20,600 | 51.3 | 30.3 | 18.4 |
| Embu | 20,709 | 27.4 | 49.1 | 23.4 | 17,988 | 32.7 | 47.9 | 19.4 |
| Kitui | 76,346 | 15.0 | 40.8 | 44.3 | 49,894 | 36.1 | 29.3 | 34.6 |
| Machakos | 83,626 | 9.1 | 44.3 | 46.6 | 58,285 | 25.3 | 46.4 | 28.3 |
| Meru | 26,134 | 22.9 | 57.9 | 19.2 | 46,402 | 33.1 | 44.8 | 22.1 |
| Makueni | 71,554 | 16.0 | 39.9 | 44.1 | 39,869 | 44.2 | 34.6 | 21.2 |
| Tharaka Nithi | 31,516 | 28.7 | 33.7 | 37.6 | 36,357 | 45.9 | 45.7 | 8.4 |
| Nyambene | 52,615 | 16.8 | 33.4 | 49.8 | 65,219 | 18.5 | 35.8 | 45.7 |
| Nyanza Rural | 497,006 | 26.5 | 43.0 | 30.5 | 388,033 | 43.5 | 41.1 | 15.4 |
| Kisii | 65,271 | 12.5 | 40.0 | 47.5 | 59,503 | 26.8 | 44.2 | 29.0 |
| Kisumu | 71,967 | 34.3 | 43.4 | 22.3 | 46,959 | 39.7 | 51.0 | 9.3 |
| Siaya | 91,266 | 39.4 | 45.7 | 14.9 | 92,867 | 62.5 | 32.5 | 5.0 |
| Homa Bay | 80,198 | 33.2 | 44.9 | 21.8 | 31,936 | 51.1 | 43.4 | 5.5 |
| Migori | 75,268 | 21.4 | 33.1 | 45.5 | 81,664 | 32.7 | 46.8 | 20.4 |
| Nyamira | 113,035 | 17.9 | 47.4 | 34.6 | 75,103 | 43.9 | 36.1 | 20.0 |
| Rift Valley Rural | 479,823 | 22.5 | 40.9 | 36.6 | 615,300 | 41.5 | 37.1 | 21.4 |
| Kajiado | 13,788 | 17.9 | 45.5 | 36.6 | 44,261 | 32.9 | 55.4 | 11.7 |
| Kericho | 61,268 | 27.2 | 43.3 | 29.6 | 66,722 | 46.6 | 28.8 | 24.7 |
| Laikipia | 14,567 | 13.2 | 38.1 | 48.7 | 44,960 | 40.7 | 48.1 | 11.3 |
| Nakuru | 80,657 | 33.2 | 39.2 | 27.6 | 141,996 | 56.5 | 29.9 | 13.7 |
| Nandi | 60,715 | 20.6 | 43.5 | 35.9 | 42,638 | 45.4 | 29.5 | 25.1 |
| Narok | 21,876 | 8.6 | 41.9 | 49.6 | 27,452 | 45.2 | 26.5 | 28.3 |
| Bomet | 55,982 | 18.0 | 33.3 | 48.7 | 39,883 | 30.8 | 35.7 | 33.5 |
| Transmara | 24,135 | 16.9 | 45.6 | 37.5 | 20,832 | 33.2 | 39.9 | 26.9 |
| Baringo | 23,878 | 15.5 | 53.7 | 30.9 | 52,117 | 38.9 | 35.7 | 25.4 |
| Elgeyo Marakwet | 21,499 | 18.2 | 42.8 | 39.0 | 31,333 | 42.1 | 29.7 | 28.2 |
| Trans Nzoia | 44,555 | 29.2 | 35.6 | 35.2 | 40,056 | 31.6 | 45.7 | 22.7 |
| Uasin Gishu | 27,228 | 10.1 | 34.9 | 54.9 | 45,556 | 18.9 | 49.3 | 31.7 |
| West Pokot | 29,676 | 27.8 | 46.0 | 26.2 | 17,493 | 32.6 | 52.8 | 14.6 |
| Western Rural | 307,028 | 26.8 | 37.6 | 35.5 | 273,161 | 44.2 | 35.1 | 20.8 |
| Bungoma | 67,223 | 17.0 | 31.2 | 51.8 | 71,658 | 33.3 | 36.9 | 29.8 |
| Busia | 55,085 | 29.8 | 43.5 | 26.7 | 35,952 | 49.5 | 34.8 | 15.7 |
| Kakamega | 110,185 | 31.2 | 29.4 | 39.4 | 113,193 | 49.9 | 32.6 | 17.5 |
| Vihiga | 74,535 | 27.1 | 51.3 | 21.7 | 52,359 | 43.0 | 38.1 | 18.9 |
| Total Rural | 2,010,386 | 23.4 | 41.1 | 35.6 | 2,361,573 | 42.5 | 38.0 | 19.5 |
| Total Urban | 478,552 | 41.2 | 43.9 | 15.0 | 635,328 | 63.5 | 28.5 | 8.1 |
| Nairobi | 231,043 | 38.7 | 45.8 | 15.6 | 271,771 | 59.0 | 31.9 | 9.1 |
| Mombasa | 52,127 | 35.7 | 53.5 | 10.8 | 106,004 | 69.3 | 19.2 | 11.4 |
| Kisumu | 30,796 | 32.9 | 51.9 | 15.2 | 22,947 | 51.4 | 36.1 | 12.4 |
| Nakuru | 26,378 | 41.6 | 41.9 | 16.5 | 52,963 | 62.7 | 30.7 | 6.7 |
| Other Towns | 138,208 | 49.2 | 35.7 | 15.2 | 181,643 | 68.4 | 27.2 | 4.5 |
| Nation | 2,488,938 | 26.8 | 41.6 | 31.6 | 2,996,900 | 47.0 | 36.0 | 17.1 |

N refers to Total Number of Households

Annex 2.5b Distribution of Household Members (over 15 yrs) by Marital status and poverty

| Region | Poor | | | | | | Non-Poor | | | | | |
|--------------------------|------------------|--------------|--------------|---------------------|------------|-------------|------------------|--------------|--------------|---------------------|-------------|-------------|
| | N | Married Mono | Married Poly | Divorced/ Separated | Widowed | Single | N | Married Mono | Married Poly | Divorced/ Separated | Widowed | Single |
| Central Rural | 640,711 | 44.8 | 1.9 | 2.7 | 6.2 | 44.4 | 1,462,757 | 54.6 | 2.4 | 3.1 | 6.3 | 33.7 |
| Kiambu | 165,751 | 37.3 | 0.3 | 3.3 | 6.7 | 52.3 | 508,199 | 55.6 | 2.5 | 1.7 | 5.3 | 34.9 |
| Kirinyaga | 92,215 | 46.6 | 2.0 | 3.1 | 7.9 | 40.4 | 173,899 | 49.7 | 1.3 | 5.2 | 7.8 | 35.9 |
| Murang'a | 213,145 | 49.4 | 2.9 | 1.8 | 4.8 | 41.2 | 348,543 | 55.6 | 2.2 | 2.8 | 7.1 | 32.4 |
| Nyandarua | 51,087 | 38.5 | 3.7 | 4.1 | 8.0 | 45.8 | 157,510 | 54.9 | 2.6 | 4.8 | 4.4 | 33.3 |
| Nyeri | 118,513 | 48.5 | 1.7 | 2.5 | 5.6 | 41.7 | 274,606 | 54.6 | 2.9 | 3.5 | 7.1 | 31.9 |
| Coast Rural | 443,929 | 42.6 | 17.6 | 4.0 | 6.0 | 29.9 | 302,163 | 55.2 | 7.1 | 4.4 | 5.2 | 28.1 |
| Kilifi | 219,688 | 37.6 | 25.1 | 3.0 | 6.7 | 27.6 | 122,477 | 61.7 | 10.3 | 2.3 | 3.5 | 22.2 |
| Kwale | 129,500 | 51.3 | 14.4 | 4.9 | 4.1 | 25.3 | 100,639 | 51.1 | 5.1 | 7.6 | 6.1 | 30.2 |
| Lamu | 13,560 | 41.9 | 2.0 | 11.4 | 2.4 | 42.4 | 22,198 | 57.8 | 5.0 | 5.3 | 4.3 | 27.5 |
| Taita Taveta | 72,072 | 42.3 | 4.3 | 4.0 | 7.9 | 41.5 | 41,196 | 45.3 | 5.7 | 2.6 | 7.8 | 38.6 |
| Tana River | 9,109 | 45.1 | 8.2 | 2.8 | 2.8 | 41.2 | 15,652 | 53.5 | 2.8 | 2.9 | 6.3 | 34.5 |
| Eastern Rural | 1,202,667 | 43.0 | 8.5 | 2.4 | 6.6 | 39.4 | 864,453 | 55.0 | 5.6 | 2.2 | 5.8 | 31.4 |
| Mbeere | 45,740 | 38.8 | 5.1 | 6.3 | 6.6 | 43.2 | 43,949 | 55.6 | 6.6 | 2.1 | 2.4 | 33.4 |
| Embu | 60,387 | 50.7 | 2.6 | 0.9 | 7.6 | 38.3 | 50,563 | 55.7 | 3.0 | 2.9 | 2.6 | 35.8 |
| Kitui | 231,806 | 42.8 | 9.2 | 3.1 | 7.6 | 37.4 | 126,993 | 53.4 | 3.0 | 4.8 | 6.9 | 31.9 |
| Machakos | 260,540 | 43.8 | 7.5 | 1.9 | 7.5 | 39.4 | 159,566 | 58.2 | 3.9 | 0.3 | 6.7 | 30.9 |
| Meru | 86,306 | 43.9 | 7.0 | 2.4 | 4.7 | 42.0 | 125,659 | 59.9 | 1.3 | 1.7 | 2.2 | 34.9 |
| Makueni | 239,705 | 44.9 | 11.2 | 2.5 | 5.9 | 35.5 | 87,052 | 58.6 | 0.5 | 2.4 | 12.8 | 25.7 |
| Tharaka Nithi | 93,883 | 51.8 | 4.3 | - | 6.0 | 38.0 | 77,957 | 63.1 | 4.0 | 1.7 | 10.4 | 20.7 |
| Nyambene | 184,301 | 33.7 | 11.4 | 3.1 | 5.7 | 46.1 | 192,713 | 45.0 | 14.9 | 2.2 | 3.4 | 34.5 |
| Nyanza Rural | 1,390,680 | 42.5 | 15.1 | 1.0 | 7.9 | 33.5 | 864,042 | 46.0 | 15.1 | 2.2 | 11.4 | 25.2 |
| Kisii | 209,222 | 45.5 | 8.9 | 0.8 | 4.2 | 40.6 | 160,264 | 40.0 | 14.3 | 3.0 | 6.1 | 36.7 |
| Kisumu | 178,975 | 40.8 | 13.2 | 1.3 | 14.1 | 30.6 | 98,025 | 45.5 | 19.0 | 1.2 | 11.2 | 23.2 |
| Siaya | 224,573 | 44.8 | 12.4 | 1.3 | 13.5 | 27.9 | 176,479 | 46.5 | 13.1 | 4.6 | 20.6 | 15.2 |
| Homa Bay | 220,693 | 38.5 | 23.4 | - | 10.7 | 27.4 | 65,760 | 49.4 | 13.1 | - | 10.1 | 27.4 |
| Migori | 240,546 | 33.4 | 34.7 | 0.6 | 3.7 | 27.6 | 184,254 | 43.6 | 25.9 | 1.2 | 12.2 | 17.1 |
| Nyamira | 316,670 | 49.6 | 1.6 | 1.5 | 4.2 | 43.0 | 179,260 | 52.6 | 5.3 | 1.7 | 7.1 | 33.3 |
| Rift Valley Rural | 1,323,984 | 50.2 | 6.8 | 2.5 | 5.6 | 34.9 | 1,404,819 | 54.9 | 7.8 | 2.4 | 4.4 | 30.4 |
| Kajiado | 36,977 | 43.8 | 18.8 | 3.0 | 3.9 | 30.5 | 106,535 | 52.5 | 19.1 | 1.3 | 2.3 | 24.7 |
| Kericho | 154,029 | 61.3 | 3.1 | 0.9 | 5.6 | 29.1 | 146,311 | 55.5 | 6.2 | 2.4 | 5.2 | 30.7 |
| Laikipia | 46,650 | 48.8 | 1.4 | 3.2 | 5.1 | 41.5 | 93,664 | 66.7 | 4.6 | 1.3 | 4.2 | 23.2 |
| Nakuru | 196,180 | 47.1 | 0.7 | 6.3 | 7.6 | 38.2 | 266,761 | 61.7 | 0.8 | 4.6 | 5.1 | 27.8 |
| Nandi | 174,215 | 46.0 | 5.1 | 3.2 | 8.8 | 36.8 | 111,335 | 46.6 | 5.8 | 2.6 | 7.2 | 37.7 |
| Narok | 57,020 | 62.6 | 5.0 | 1.1 | 1.4 | 29.9 | 58,879 | 53.5 | 18.8 | 0.9 | 4.2 | 22.7 |
| Bomet | 168,051 | 55.6 | 4.0 | 0.7 | 2.5 | 37.2 | 111,191 | 55.4 | 1.6 | - | 3.3 | 39.7 |
| Transmara | 62,928 | 46.6 | 23.1 | - | 0.8 | 29.5 | 48,350 | 55.8 | 14.9 | 4.0 | 2.4 | 23.0 |
| Baringo | 63,151 | 55.6 | 7.2 | 2.1 | 4.5 | 30.5 | 118,361 | 52.9 | 10.2 | 1.0 | 4.0 | 31.9 |
| Elgeyo Marakwet | 69,029 | 44.3 | 6.8 | 1.0 | 4.8 | 43.1 | 72,888 | 54.6 | 4.4 | 3.4 | 7.6 | 30.0 |
| Trans Nzoia | 119,112 | 52.4 | 8.1 | 4.8 | 6.6 | 28.0 | 103,186 | 53.0 | 8.3 | 4.2 | 2.1 | 32.4 |
| Uasin Gishu | 90,352 | 38.1 | 9.5 | 1.1 | 7.0 | 44.3 | 128,867 | 50.6 | 11.0 | 1.0 | 2.3 | 35.1 |
| West Pokot | 86,291 | 43.1 | 18.4 | 0.8 | 5.9 | 31.9 | 38,491 | 33.5 | 23.3 | 3.2 | 9.7 | 30.2 |
| Western Rural | 861,525 | 44.3 | 9.3 | 2.4 | 6.8 | 37.1 | 682,817 | 49.3 | 10.4 | 1.8 | 5.5 | 33.1 |
| Bungoma | 221,855 | 35.0 | 17.6 | 2.2 | 5.3 | 39.8 | 198,064 | 42.7 | 15.8 | 1.5 | 3.4 | 36.6 |
| Busia | 144,359 | 46.2 | 16.3 | 1.9 | 6.1 | 29.4 | 80,061 | 49.7 | 20.2 | 0.6 | 7.7 | 21.8 |
| Kakamega | 304,220 | 47.7 | 4.0 | 3.4 | 7.1 | 37.8 | 268,825 | 48.9 | 8.7 | 2.2 | 5.0 | 35.2 |
| Vihiga | 191,090 | 48.4 | 2.7 | 1.6 | 8.5 | 38.7 | 135,867 | 59.2 | 0.0 | 2.1 | 8.1 | 30.6 |
| Total Rural | 5,863,497 | 44.9 | 9.8 | 2.3 | 6.6 | 36.5 | 5,581,050 | 52.8 | 7.4 | 2.6 | 6.4 | 30.8 |
| Total Urban | 1,190,888 | 53.2 | 4.1 | 3.4 | 2.0 | 37.3 | 1,354,070 | 59.3 | 2.8 | 2.7 | 1.5 | 33.7 |
| Nairobi | 602,848 | 50.7 | 3.4 | 3.9 | 0.9 | 41.1 | 655,131 | 58.8 | 3.1 | 0.8 | 1.3 | 35.9 |
| Mombasa | 129,969 | 49.9 | 5.6 | 4.1 | 5.3 | 35.0 | 226,397 | 62.4 | 1.8 | 4.9 | 1.9 | 29.1 |
| Kisumu | 73,726 | 57.6 | 5.8 | 1.7 | 3.7 | 31.1 | 46,204 | 54.2 | 9.1 | 3.2 | 2.4 | 31.1 |
| Nakuru | 65,754 | 53.6 | 1.6 | 4.2 | 3.5 | 37.1 | 101,804 | 60.3 | 2.7 | 3.0 | 1.7 | 32.3 |
| Other Towns | 318,591 | 58.1 | 4.7 | 2.4 | 2.1 | 32.6 | 324,533 | 58.5 | 1.9 | 4.7 | 1.5 | 33.4 |
| Nation | 7,054,385 | 46.3 | 8.8 | 2.5 | 5.8 | 36.6 | 6,935,120 | 54.1 | 6.5 | 2.6 | 5.4 | 31.4 |

Annex 3.1: Distribution of Household Members who Ever Attended School (%)

| Region | Poor | | | Non-Poor | | |
|--------------------------|-------------------|-------------|----------------|-------------------|-------------|----------------|
| | N | Attended | Never attended | N | Attended | Never attended |
| Central Rural | 1,002,210 | 88.0 | 12.0 | 2,155,156 | 90.5 | 9.5 |
| Kiambu | 253,063 | 89.4 | 10.6 | 744,979 | 91.6 | 8.4 |
| Kirinyaga | 141,245 | 84.2 | 15.8 | 254,728 | 88.8 | 11.2 |
| Muranga | 332,100 | 87.9 | 12.1 | 526,877 | 88.2 | 11.8 |
| Nyandarua | 91,521 | 88.4 | 11.6 | 228,786 | 92.7 | 7.3 |
| Nyeri | 184,281 | 89.0 | 11.0 | 399,786 | 91.1 | 8.9 |
| Coast Rural | 739,494 | 58.3 | 41.7 | 444,950 | 72.3 | 27.7 |
| Kilifi | 361,486 | 52.1 | 47.9 | 176,559 | 72.9 | 27.1 |
| Kwale | 228,584 | 54.8 | 45.2 | 147,976 | 68.0 | 32.0 |
| Lamu | 21,438 | 63.2 | 36.8 | 32,763 | 77.7 | 22.3 |
| Taita Taveta | 114,078 | 84.4 | 15.6 | 60,622 | 93.1 | 6.9 |
| Tana River | 13,907 | 53.5 | 46.5 | 27,031 | 39.1 | 60.9 |
| Eastern Rural | 1,941,149 | 78.4 | 21.6 | 1,346,706 | 83.8 | 16.2 |
| Mbeere | 66,959 | 83.6 | 16.4 | 62,943 | 90.1 | 9.9 |
| Embu | 89,990 | 83.1 | 16.9 | 71,484 | 91.3 | 8.7 |
| Kitui | 380,780 | 71.4 | 28.6 | 201,431 | 79.0 | 21.0 |
| Machakos | 454,509 | 82.6 | 17.4 | 252,527 | 89.8 | 10.2 |
| Meru | 122,341 | 80.6 | 19.4 | 183,361 | 91.0 | 9.0 |
| Makueni | 382,570 | 81.0 | 19.0 | 135,388 | 84.6 | 15.4 |
| Tharaka Nithi | 145,918 | 84.2 | 15.8 | 116,087 | 85.9 | 14.1 |
| Nyambene | 298,081 | 71.2 | 28.8 | 323,486 | 74.0 | 26.0 |
| Nyanza Rural | 2,281,825 | 78.7 | 21.3 | 1,325,346 | 82.0 | 18.0 |
| Kisii | 352,115 | 83.7 | 16.3 | 260,838 | 88.8 | 11.2 |
| Kisumu | 284,705 | 80.5 | 19.5 | 151,459 | 82.3 | 17.7 |
| Siaya | 348,175 | 73.7 | 26.3 | 247,617 | 72.6 | 27.4 |
| Homa Bay | 333,781 | 77.4 | 22.6 | 98,360 | 83.9 | 16.1 |
| Migori | 410,347 | 79.1 | 20.9 | 298,525 | 86.4 | 13.6 |
| Nyamira | 552,702 | 78.1 | 21.9 | 268,547 | 78.0 | 22.0 |
| Rift Valley Rural | 2,250,465 | 76.9 | 23.1 | 2,215,079 | 82.1 | 17.9 |
| Kajiado | 62,502 | 58.8 | 41.2 | 167,573 | 61.4 | 38.6 |
| Kericho | 268,595 | 82.9 | 17.1 | 246,068 | 88.0 | 12.0 |
| Laikipia | 77,217 | 85.5 | 14.5 | 147,609 | 88.5 | 11.5 |
| Nakuru | 337,544 | 79.5 | 20.5 | 400,411 | 88.6 | 11.4 |
| Nandi | 286,419 | 80.9 | 19.1 | 155,847 | 83.6 | 16.4 |
| Narok | 114,347 | 74.6 | 25.4 | 98,478 | 66.3 | 33.7 |
| Bomet | 289,654 | 82.5 | 17.5 | 175,544 | 88.4 | 11.6 |
| Transmara | 105,884 | 59.5 | 40.5 | 82,460 | 57.8 | 42.2 |
| Baringo | 111,989 | 79.2 | 20.8 | 185,226 | 79.5 | 20.5 |
| Elgeyo-Marakwet | 110,189 | 79.7 | 20.3 | 119,885 | 84.7 | 15.3 |
| Trans Nzoia | 198,264 | 78.7 | 21.3 | 161,607 | 84.0 | 16.0 |
| Uasin Gishu | 158,060 | 78.5 | 21.5 | 210,317 | 91.3 | 8.7 |
| West Pokot | 129,801 | 46.7 | 53.3 | 64,054 | 63.1 | 36.9 |
| Western Rural | 1,417,947 | 81.8 | 18.2 | 1,000,686 | 86.6 | 13.4 |
| Bungoma | 368,450 | 83.7 | 16.3 | 300,786 | 89.6 | 10.4 |
| Busia | 228,410 | 69.5 | 30.5 | 117,492 | 83.0 | 17.0 |
| Kakamega | 496,521 | 83.9 | 16.1 | 381,197 | 84.9 | 15.1 |
| Vihiga | 324,565 | 84.9 | 15.1 | 201,211 | 87.4 | 12.6 |
| Total Rural | 9,633,088 | 78.1 | 21.9 | 8,487,925 | 84.5 | 15.5 |
| Total Urban | 1,644,962 | 91.0 | 9.0 | 1,674,181 | 95.0 | 5.0 |
| Nairobi | 803,129 | 93.7 | 6.3 | 788,261 | 97.0 | 3.0 |
| Mombasa | 178,276 | 84.4 | 15.6 | 282,880 | 92.2 | 7.8 |
| Kisumu | 109,186 | 92.9 | 7.1 | 65,153 | 95.4 | 4.6 |
| Nakuru | 92,148 | 91.5 | 8.5 | 131,861 | 95.1 | 4.9 |
| Other urban | 462,223 | 88.4 | 11.6 | 406,027 | 93.0 | 7.0 |
| Nation | 11,278,051 | 79.9 | 20.1 | 10,162,106 | 86.2 | 13.8 |

Annex 3.2 Distribution of household members by level of education attained (%)

| Region | Poor | | | | | Non-poor | | | | |
|--------------------------|-------------------|-------------|-------------|-------------|------------|-------------------|-------------|-------------|-------------|------------|
| | N | none | primary | secondary | higher | N | none | primary | secondary | higher |
| Central Rural | 1,002,210 | 17.2 | 72.3 | 10.5 | 0.0 | 2,155,156 | 13.7 | 63.1 | 22.1 | 1.0 |
| Kiambu | 253,063 | 17.0 | 69.8 | 13.2 | 0.0 | 744,979 | 12.6 | 59.3 | 26.2 | 1.8 |
| Kirinyaga | 141,245 | 21.1 | 73.2 | 5.7 | 0.0 | 254,728 | 15.7 | 66.7 | 16.7 | 0.8 |
| Muranga | 332,100 | 16.0 | 74.4 | 9.5 | 0.1 | 526,877 | 15.1 | 68.2 | 16.4 | 0.3 |
| Nyandarua | 91,521 | 16.0 | 78.2 | 5.8 | 0.0 | 228,786 | 11.7 | 70.0 | 17.8 | 0.5 |
| Nyeri | 184,281 | 17.3 | 68.3 | 14.5 | 0.0 | 399,786 | 13.7 | 57.4 | 28.0 | 1.0 |
| Coast Rural | 739,494 | 47.1 | 48.4 | 4.2 | 0.3 | 444,950 | 30.0 | 54.9 | 14.1 | 0.9 |
| Kilifi | 361,486 | 52.7 | 43.5 | 3.7 | 0.2 | 176,559 | 29.5 | 52.0 | 17.1 | 1.4 |
| Kwale | 228,584 | 51.1 | 46.2 | 2.3 | 0.5 | 147,976 | 33.2 | 57.8 | 8.7 | 0.4 |
| Lamu | 21,438 | 44.5 | 54.2 | 1.0 | 0.3 | 32,763 | 24.8 | 63.4 | 10.8 | 1.0 |
| Taita Taveta | 114,078 | 21.2 | 68.9 | 9.6 | 0.4 | 60,622 | 11.7 | 63.2 | 23.7 | 1.4 |
| Tana River | 13,907 | 54.2 | 36.0 | 9.8 | 0.0 | 27,031 | 63.3 | 30.1 | 6.6 | 0.0 |
| Eastern Rural | 1,941,149 | 27.2 | 64.0 | 8.4 | 0.4 | 1,346,706 | 21.4 | 61.4 | 16.2 | 1.0 |
| Mbeere | 66,959 | 19.1 | 66.6 | 14.0 | 0.4 | 62,943 | 13.8 | 62.8 | 22.6 | 0.8 |
| Embu | 89,990 | 19.5 | 72.6 | 7.7 | 0.2 | 71,484 | 10.8 | 59.7 | 28.4 | 1.1 |
| Kitui | 380,780 | 36.1 | 58.0 | 5.2 | 0.7 | 201,431 | 26.5 | 58.2 | 14.5 | 0.7 |
| Machakos | 454,509 | 24.6 | 65.8 | 9.4 | 0.1 | 252,527 | 19.2 | 62.9 | 15.5 | 2.3 |
| Meru | 122,341 | 22.6 | 57.7 | 18.4 | 1.2 | 183,361 | 12.1 | 58.3 | 27.1 | 2.5 |
| Makueni | 382,570 | 23.2 | 67.3 | 9.1 | 0.4 | 135,388 | 18.6 | 61.4 | 19.6 | 0.5 |
| Tharaka Nithi | 145,918 | 18.8 | 68.5 | 12.8 | 0.0 | 116,087 | 18.6 | 61.6 | 19.8 | 0.0 |
| Nyambene | 298,081 | 35.1 | 61.8 | 2.9 | 0.2 | 323,486 | 31.0 | 63.9 | 5.1 | 0.0 |
| Nyanza Rural | 2,281,825 | 27.3 | 61.7 | 10.9 | 0.1 | 1,325,346 | 24.3 | 57.0 | 18.3 | 0.4 |
| Kisii | 352,115 | 22.7 | 60.3 | 17.0 | 0.0 | 260,838 | 14.6 | 60.1 | 24.7 | 0.6 |
| Kisumu | 284,705 | 24.5 | 65.7 | 9.8 | 0.0 | 151,459 | 21.9 | 61.8 | 15.5 | 0.8 |
| Siaya | 348,175 | 30.7 | 62.4 | 6.7 | 0.1 | 247,617 | 33.3 | 57.2 | 9.5 | 0.0 |
| Homa Bay | 333,781 | 26.9 | 69.0 | 4.1 | 0.0 | 98,360 | 22.9 | 61.2 | 15.9 | 0.0 |
| Migori | 410,347 | 28.1 | 65.0 | 6.9 | 0.0 | 298,525 | 18.3 | 69.6 | 12.1 | 0.0 |
| Nyamira | 552,702 | 29.2 | 53.1 | 17.3 | 0.5 | 268,547 | 33.9 | 35.7 | 29.6 | 0.8 |
| Rift Valley Rural | 2,250,465 | 29.2 | 64.4 | 6.3 | 0.1 | 2,215,079 | 22.5 | 59.3 | 17.3 | 0.9 |
| Kajiado | 62,502 | 46.3 | 50.8 | 2.3 | 0.6 | 167,573 | 44.8 | 40.3 | 14.3 | 0.6 |
| Kericho | 268,595 | 27.4 | 67.9 | 4.7 | 0.0 | 246,068 | 18.5 | 65.4 | 14.7 | 1.4 |
| Laikipia | 77,217 | 19.3 | 72.2 | 8.5 | 0.0 | 147,609 | 13.8 | 68.4 | 17.7 | 0.1 |
| Nakuru | 337,544 | 25.7 | 68.3 | 6.0 | 0.0 | 400,411 | 17.5 | 62.8 | 18.2 | 1.5 |
| Nandi | 286,419 | 25.2 | 65.8 | 8.8 | 0.1 | 155,847 | 19.4 | 61.0 | 19.1 | 0.5 |
| Narok | 114,347 | 34.6 | 63.4 | 2.0 | 0.0 | 98,478 | 37.1 | 48.7 | 13.3 | 0.9 |
| Bomet | 289,654 | 20.3 | 70.1 | 9.4 | 0.2 | 175,544 | 12.9 | 62.0 | 23.7 | 1.4 |
| Transmara | 105,884 | 45.2 | 52.4 | 2.4 | 0.0 | 82,460 | 43.9 | 39.5 | 16.6 | 0.0 |
| Baringo | 111,989 | 28.4 | 65.4 | 6.1 | 0.0 | 185,226 | 27.8 | 56.4 | 14.6 | 1.3 |
| Elgeyo-Marakwet | 110,189 | 27.2 | 65.8 | 7.1 | 0.0 | 119,885 | 21.8 | 63.9 | 13.5 | 0.8 |
| Trans Nzoia | 198,264 | 28.2 | 66.4 | 5.4 | 0.0 | 161,607 | 19.5 | 61.0 | 19.1 | 0.3 |
| Uasin Gishu | 158,060 | 26.5 | 66.1 | 7.2 | 0.3 | 210,317 | 11.7 | 67.0 | 20.5 | 0.9 |
| West Pokot | 129,801 | 57.0 | 36.6 | 5.9 | 0.5 | 64,054 | 45.0 | 41.7 | 12.9 | 0.4 |
| Western Rural | 1,417,947 | 23.0 | 66.0 | 10.9 | 0.1 | 1,000,686 | 17.4 | 61.0 | 20.7 | 1.0 |
| Bungoma | 368,450 | 22.7 | 63.3 | 13.7 | 0.3 | 300,786 | 15.9 | 59.5 | 24.1 | 0.5 |
| Busia | 228,410 | 38.1 | 57.1 | 4.8 | 0.0 | 117,492 | 22.1 | 66.3 | 11.3 | 0.3 |
| Kakamega | 496,521 | 19.3 | 69.7 | 11.0 | 0.0 | 381,197 | 18.6 | 56.7 | 22.7 | 2.0 |
| Vihiga | 324,565 | 18.4 | 69.7 | 11.9 | 0.0 | 201,211 | 14.5 | 68.3 | 17.1 | 0.0 |
| Total Rural | 9,633,088 | 27.6 | 63.5 | 8.8 | 0.2 | 8,487,925 | 20.2 | 60.2 | 18.7 | 0.9 |
| Total Urban | 1,644,962 | 12.9 | 60.6 | 23.6 | 2.9 | 1,674,181 | 8.1 | 40.6 | 42.9 | 8.5 |
| Nairobi | 803,129 | 9.6 | 64.7 | 21.3 | 4.5 | 788,261 | 5.4 | 39.8 | 42.4 | 12.4 |
| Mombasa | 178,276 | 19.0 | 60.3 | 20.7 | 0.0 | 282,880 | 9.6 | 40.8 | 46.4 | 3.2 |
| Kisumu | 109,186 | 14.5 | 59.2 | 24.6 | 1.8 | 65,153 | 5.2 | 49.3 | 39.8 | 5.7 |
| Nakuru | 92,148 | 14.6 | 53.9 | 29.3 | 2.2 | 131,861 | 13.2 | 41.7 | 40.1 | 5.0 |
| Other urban | 462,223 | 15.7 | 55.2 | 27.3 | 1.7 | 406,027 | 11.1 | 40.1 | 42.8 | 6.0 |
| Nation | 11,278,051 | 25.4 | 63.1 | 10.9 | 0.6 | 10,162,106 | 18.2 | 57.0 | 22.7 | 2.1 |

Annex 3.3a: Distribution of Poor Household Members by Gender and Education level (%)

| | Male Poor | | | | | | Female Poor | | | | |
|-------------------|-----------|------|---------|-----------|--------|-----------|-------------|---------|-----------|--------|--|
| Region | N | none | primary | secondary | higher | N | none | primary | secondary | higher | |
| Central Rural | 482,672 | 14.0 | 73.7 | 12.2 | 0.1 | 519,537 | 20.2 | 70.9 | 8.9 | 0.0 | |
| Kiambu | 122,008 | 13.5 | 70.2 | 16.3 | 0.0 | 131,055 | 20.3 | 69.4 | 10.3 | 0.0 | |
| Kirinyaga | 73,377 | 15.8 | 76.4 | 7.8 | 0.0 | 67,868 | 26.9 | 69.6 | 3.4 | 0.0 | |
| Muranga | 156,691 | 13.1 | 74.2 | 12.5 | 0.2 | 175,409 | 18.6 | 74.5 | 6.9 | 0.0 | |
| Nyandarua | 42,020 | 12.5 | 81.1 | 6.4 | 0.0 | 49,501 | 19.0 | 75.8 | 5.2 | 0.0 | |
| Nyeri | 88,576 | 15.5 | 72.1 | 12.4 | 0.0 | 95,705 | 18.9 | 64.7 | 16.4 | 0.0 | |
| Coast Rural | 344,209 | 38.8 | 54.7 | 6.1 | 0.4 | 395,284 | 54.4 | 42.9 | 2.5 | 0.2 | |
| Kilifi | 164,996 | 39.4 | 54.3 | 6.1 | 0.2 | 196,490 | 63.8 | 34.4 | 1.6 | 0.2 | |
| Kwale | 110,423 | 47.0 | 48.8 | 3.7 | 0.5 | 118,161 | 54.8 | 43.8 | 1.0 | 0.4 | |
| Lamu | 10,972 | 46.4 | 51.0 | 2.0 | 0.6 | 10,466 | 42.4 | 57.6 | 0.0 | 0.0 | |
| Taita Taveta | 50,690 | 15.1 | 72.7 | 11.3 | 0.9 | 63,388 | 26.1 | 65.8 | 8.1 | 0.0 | |
| Tana River | 7,127 | 52.6 | 32.9 | 14.5 | 0.0 | 6,780 | 56.0 | 39.2 | 4.8 | 0.0 | |
| Eastern Rural | 950,501 | 23.0 | 66.8 | 9.6 | 0.6 | 990,648 | 31.3 | 61.3 | 7.3 | 0.2 | |
| Mbeere | 34,372 | 13.2 | 71.9 | 14.2 | 0.7 | 32,586 | 25.2 | 61.0 | 13.8 | 0.0 | |
| Embu | 44,588 | 12.2 | 78.9 | 8.8 | 0.0 | 45,402 | 26.6 | 66.4 | 6.6 | 0.4 | |
| Kitui | 184,387 | 32.1 | 61.1 | 6.1 | 0.8 | 196,393 | 39.9 | 55.1 | 4.4 | 0.7 | |
| Machakos | 204,005 | 19.0 | 68.2 | 12.6 | 0.3 | 250,504 | 29.2 | 64.0 | 6.8 | 0.0 | |
| Meru | 60,788 | 16.0 | 64.4 | 17.1 | 2.5 | 61,554 | 29.2 | 51.2 | 19.6 | 0.0 | |
| Makueni | 202,852 | 21.0 | 67.6 | 10.6 | 0.8 | 179,718 | 25.6 | 66.9 | 7.5 | 0.0 | |
| Tharaka Nithi | 67,900 | 15.5 | 68.9 | 15.7 | 0.0 | 78,018 | 21.6 | 68.1 | 10.3 | 0.0 | |
| Nyambene | 151,608 | 31.4 | 66.1 | 2.1 | 0.4 | 146,474 | 39.0 | 57.4 | 3.6 | 0.0 | |
| Nyanza Rural | 1,082,908 | 22.9 | 62.5 | 14.3 | 0.3 | 1,198,917 | 31.3 | 60.9 | 7.8 | 0.0 | |
| Kisii | 172,665 | 21.5 | 59.9 | 18.6 | 0.0 | 179,450 | 23.9 | 60.7 | 15.4 | 0.0 | |
| Kisumu | 129,019 | 14.8 | 71.8 | 13.4 | 0.1 | 155,686 | 32.6 | 60.6 | 6.8 | 0.0 | |
| Siaya | 160,710 | 22.5 | 66.9 | 10.3 | 0.3 | 187,465 | 37.8 | 58.5 | 3.7 | 0.0 | |
| Homa Bay | 161,258 | 18.7 | 74.2 | 7.1 | 0.0 | 172,523 | 34.5 | 64.1 | 1.4 | 0.0 | |
| Migori | 192,507 | 25.6 | 62.6 | 11.8 | 0.0 | 217,840 | 30.3 | 67.2 | 2.5 | 0.0 | |
| Nyamira | 266,749 | 28.7 | 49.9 | 20.4 | 1.0 | 285,953 | 29.6 | 56.0 | 14.3 | 0.0 | |
| Rift Valley Rural | 1,101,602 | 24.6 | 67.3 | 7.9 | 0.2 | 1,148,863 | 33.6 | 61.6 | 4.8 | 0.0 | |
| Kajiado | 32,006 | 38.9 | 57.7 | 2.3 | 1.1 | 30,496 | 54.1 | 43.6 | 2.4 | 0.0 | |
| Kericho | 132,474 | 22.8 | 70.1 | 7.1 | 0.0 | 136,121 | 31.9 | 65.7 | 2.4 | 0.0 | |
| Laikipia | 35,343 | 13.6 | 80.0 | 6.4 | 0.0 | 41,874 | 24.1 | 65.6 | 10.3 | 0.0 | |
| Nakuru | 163,856 | 22.0 | 72.3 | 5.7 | 0.0 | 173,688 | 29.2 | 64.5 | 6.2 | 0.0 | |
| Nandi | 145,396 | 20.8 | 67.6 | 11.4 | 0.2 | 141,024 | 29.8 | 64.0 | 6.2 | 0.0 | |
| Narok | 51,867 | 32.3 | 65.0 | 2.6 | 0.0 | 62,480 | 36.6 | 62.0 | 1.4 | 0.0 | |
| Bomet | 151,437 | 15.1 | 73.4 | 11.1 | 0.4 | 138,217 | 25.9 | 66.5 | 7.6 | 0.0 | |
| Transmara | 48,932 | 39.0 | 58.6 | 2.4 | 0.0 | 56,952 | 50.5 | 47.1 | 2.4 | 0.0 | |
| Baringo | 57,411 | 28.0 | 65.6 | 6.4 | 0.0 | 54,578 | 28.9 | 65.3 | 5.8 | 0.0 | |
| Elgeyo-Marakwet | 54,549 | 22.6 | 66.5 | 10.9 | 0.0 | 55,640 | 31.7 | 65.0 | 3.3 | 0.0 | |
| Trans Nzoia | 88,252 | 23.9 | 68.2 | 7.9 | 0.0 | 110,011 | 31.7 | 64.9 | 3.3 | 0.0 | |
| Uasin Gishu | 76,508 | 23.8 | 65.5 | 10.6 | 0.2 | 81,552 | 29.0 | 66.6 | 4.0 | 0.4 | |
| West Pokot | 63,570 | 47.8 | 42.8 | 8.4 | 1.0 | 66,230 | 65.8 | 30.6 | 3.5 | 0.0 | |
| Western Rural | 698,798 | 17.1 | 69.4 | 13.5 | 0.1 | 719,148 | 28.8 | 62.8 | 8.4 | 0.1 | |
| Bungoma | 186,113 | 16.4 | 64.8 | 18.4 | 0.4 | 182,337 | 29.1 | 61.8 | 8.9 | 0.3 | |
| Busia | 107,037 | 31.8 | 61.2 | 7.0 | 0.0 | 121,373 | 43.7 | 53.5 | 2.8 | 0.0 | |
| Kakamega | 251,034 | 14.1 | 72.5 | 13.4 | 0.0 | 245,487 | 24.7 | 66.8 | 8.4 | 0.0 | |
| Vihiga | 154,614 | 12.7 | 75.3 | 12.0 | 0.0 | 169,951 | 23.5 | 64.6 | 11.9 | 0.0 | |
| Total Rural | 4,660,690 | 22.7 | 66.1 | 10.9 | 0.3 | 4,972,398 | 32.1 | 61.0 | 6.8 | 0.1 | |
| Total Urban | 815,560 | 10.0 | 55.8 | 29.0 | 5.3 | 829,402 | 15.8 | 65.3 | 18.3 | 0.6 | |
| Nairobi | 407,241 | 7.6 | 56.4 | 27.5 | 8.4 | 395,888 | 11.5 | 73.2 | 14.9 | 0.4 | |
| Mombasa | 85,220 | 14.2 | 57.2 | 28.6 | 0.0 | 93,057 | 23.5 | 63.1 | 13.5 | 0.0 | |
| Kisumu | 53,098 | 9.8 | 55.8 | 32.1 | 2.2 | 56,089 | 19.0 | 62.3 | 17.4 | 1.4 | |
| Nakuru | 45,354 | 6.8 | 57.8 | 30.9 | 4.5 | 46,794 | 22.1 | 50.0 | 27.9 | 0.0 | |
| Other urban | 224,648 | 13.4 | 53.7 | 30.5 | 2.4 | 237,575 | 17.8 | 56.7 | 24.3 | 1.2 | |
| Nation | 5,476,251 | 20.8 | 64.6 | 13.6 | 1.0 | 5,801,800 | 29.8 | 61.6 | 8.4 | 0.1 | |

Annex 3.3b Distribution of Non-Poor Household members by Gender Education level (%)

| | Male | | | | | Female | | | | |
|-------------------|-----------|------|---------|-----------|--------|-----------|------|---------|-----------|--------|
| Region | N | none | primary | secondary | higher | N | none | primary | secondary | higher |
| Central Rural | 1,032,951 | 9.7 | 62.8 | 26.1 | 1.4 | 1,122,205 | 17.4 | 63.5 | 18.4 | 0.7 |
| Kiambu | 362,204 | 9.1 | 58.0 | 30.9 | 2.0 | 382,775 | 16.0 | 60.6 | 21.8 | 1.6 |
| Kirinyaga | 123,442 | 9.4 | 68.3 | 21.4 | 0.9 | 131,287 | 21.6 | 65.3 | 12.3 | 0.8 |
| Muranga | 240,276 | 10.3 | 69.4 | 19.8 | 0.6 | 286,601 | 19.1 | 67.2 | 13.6 | 0.2 |
| Nyandarua | 115,393 | 9.5 | 70.3 | 19.4 | 0.8 | 113,393 | 13.8 | 69.7 | 16.2 | 0.3 |
| Nyeri | 191,637 | 10.3 | 55.8 | 32.2 | 1.8 | 208,149 | 16.8 | 58.9 | 24.1 | 0.2 |
| Coast Rural | 233,978 | 23.6 | 58.0 | 16.8 | 1.6 | 210,973 | 37.1 | 51.5 | 11.1 | 0.2 |
| Kilifi | 98,849 | 21.9 | 57.0 | 18.7 | 2.4 | 77,710 | 39.3 | 45.6 | 15.2 | 0.0 |
| Kwale | 77,366 | 25.3 | 60.8 | 13.2 | 0.7 | 70,610 | 41.8 | 54.4 | 3.8 | 0.0 |
| Lamu | 15,922 | 21.2 | 63.1 | 14.2 | 1.6 | 16,841 | 28.2 | 63.7 | 7.7 | 0.4 |
| Taita Taveta | 28,189 | 8.6 | 64.0 | 25.7 | 1.7 | 32,433 | 14.5 | 62.5 | 21.9 | 1.1 |
| Tana River | 13,652 | 60.4 | 31.3 | 8.3 | 0.0 | 13,379 | 66.2 | 28.9 | 4.9 | 0.0 |
| Eastern Rural | 660,725 | 17.2 | 63.5 | 17.8 | 1.5 | 685,981 | 25.4 | 59.3 | 14.8 | 0.5 |
| Mbeere | 32,977 | 11.6 | 66.5 | 20.4 | 1.6 | 29,967 | 16.2 | 58.7 | 25.1 | 0.0 |
| Embu | 37,476 | 7.8 | 63.1 | 28.4 | 0.7 | 34,008 | 14.2 | 55.9 | 28.4 | 1.5 |
| Kitui | 98,637 | 17.5 | 62.4 | 19.1 | 1.0 | 102,794 | 35.2 | 54.2 | 10.2 | 0.4 |
| Machakos | 122,298 | 16.9 | 63.3 | 15.4 | 4.4 | 130,229 | 21.4 | 62.6 | 15.6 | 0.5 |
| Meru | 89,300 | 8.7 | 57.9 | 30.7 | 2.6 | 94,061 | 15.3 | 58.7 | 23.7 | 2.3 |
| Makueni | 69,532 | 12.3 | 66.6 | 20.2 | 0.9 | 65,856 | 25.2 | 55.9 | 18.9 | 0.0 |
| Tharaka Nithi | 56,067 | 16.3 | 63.0 | 20.7 | 0.0 | 60,020 | 20.8 | 60.2 | 19.1 | 0.0 |
| Nyambene | 154,439 | 28.1 | 65.9 | 6.0 | 0.0 | 169,047 | 33.7 | 62.1 | 4.2 | 0.0 |
| Nyanza Rural | 589,857 | 17.2 | 59.8 | 22.4 | 0.6 | 735,490 | 30.0 | 54.8 | 15.1 | 0.2 |
| Kisii | 129,769 | 10.9 | 60.8 | 27.5 | 0.9 | 131,069 | 18.3 | 59.4 | 22.1 | 0.3 |
| Kisumu | 70,689 | 11.3 | 71.0 | 16.6 | 1.2 | 80,770 | 31.1 | 53.7 | 14.6 | 0.5 |
| Siaya | 100,003 | 18.0 | 66.2 | 15.8 | 0.0 | 147,614 | 43.7 | 51.1 | 5.2 | 0.0 |
| Homa Bay | 41,509 | 13.2 | 65.4 | 21.3 | 0.0 | 56,851 | 29.9 | 58.1 | 12.0 | 0.0 |
| Migori | 126,427 | 13.6 | 69.9 | 16.5 | 0.0 | 172,098 | 21.8 | 69.4 | 8.9 | 0.0 |
| Nyamira | 121,458 | 31.8 | 34.4 | 32.4 | 1.5 | 147,089 | 35.6 | 36.8 | 27.3 | 0.2 |
| Rift Valley Rural | 1,114,961 | 18.5 | 58.8 | 21.4 | 1.4 | 1,100,117 | 26.7 | 59.7 | 13.1 | 0.5 |
| Kajiado | 90,753 | 36.6 | 46.9 | 15.9 | 0.6 | 76,820 | 54.3 | 32.6 | 12.4 | 0.7 |
| Kericho | 116,797 | 16.0 | 65.6 | 16.4 | 2.1 | 129,271 | 20.8 | 65.3 | 13.1 | 0.7 |
| Laikipia | 74,134 | 9.0 | 71.8 | 19.0 | 0.2 | 73,475 | 18.7 | 65.0 | 16.3 | 0.0 |
| Nakuru | 207,608 | 14.8 | 58.4 | 24.8 | 2.0 | 192,803 | 20.5 | 67.6 | 11.0 | 0.9 |
| Nandi | 81,627 | 15.3 | 61.6 | 22.6 | 0.5 | 74,220 | 23.8 | 60.4 | 15.2 | 0.5 |
| Narok | 53,770 | 28.7 | 50.1 | 19.5 | 1.7 | 44,708 | 47.2 | 46.9 | 5.9 | 0.0 |
| Bomet | 85,422 | 8.4 | 60.2 | 29.1 | 2.3 | 90,122 | 17.2 | 63.7 | 18.5 | 0.6 |
| Transmara | 30,308 | 37.5 | 39.3 | 23.2 | 0.0 | 52,153 | 47.5 | 39.7 | 12.8 | 0.0 |
| Baringo | 93,686 | 24.5 | 53.6 | 19.5 | 2.3 | 91,540 | 31.1 | 59.2 | 9.6 | 0.2 |
| Elgeyo-Marakwet | 60,427 | 19.0 | 64.2 | 15.5 | 1.4 | 59,458 | 24.7 | 63.6 | 11.5 | 0.2 |
| Trans Nzoia | 78,930 | 15.7 | 60.8 | 22.8 | 0.7 | 82,677 | 23.2 | 61.2 | 15.5 | 0.0 |
| Uasin Gishu | 109,845 | 9.6 | 63.7 | 25.7 | 1.0 | 100,473 | 14.0 | 70.6 | 14.7 | 0.7 |
| West Pokot | 31,656 | 40.7 | 45.5 | 13.8 | 0.0 | 32,398 | 49.2 | 37.9 | 12.1 | 0.8 |
| Western Rural | 472,890 | 13.8 | 61.0 | 24.4 | 0.8 | 527,796 | 20.5 | 61.1 | 17.3 | 1.1 |
| Bungoma | 148,498 | 12.2 | 57.8 | 29.3 | 0.7 | 152,289 | 19.5 | 61.2 | 19.1 | 0.2 |
| Busia | 52,679 | 16.2 | 68.6 | 15.2 | 0.0 | 64,813 | 26.9 | 64.5 | 8.0 | 0.6 |
| Kakamega | 184,727 | 18.0 | 53.0 | 27.5 | 1.6 | 196,470 | 19.1 | 60.3 | 18.2 | 2.5 |
| Vihiga | 86,987 | 6.2 | 78.9 | 14.9 | 0.0 | 114,224 | 20.9 | 60.3 | 18.8 | 0.0 |
| Total Rural | 4,105,362 | 15.6 | 60.9 | 22.2 | 1.2 | 4,382,562 | 24.4 | 59.6 | 15.5 | 0.6 |
| Total Urban | 894,282 | 5.5 | 37.7 | 45.5 | 11.3 | 779,899 | 11.1 | 43.9 | 39.8 | 5.2 |
| Nairobi | 439,532 | 3.9 | 36.6 | 44.1 | 15.4 | 348,729 | 7.3 | 43.9 | 40.2 | 8.7 |
| Mombasa | 154,570 | 6.0 | 36.5 | 52.7 | 4.7 | 128,310 | 13.9 | 45.9 | 38.9 | 1.4 |
| Kisumu | 31,813 | 3.1 | 51.8 | 37.0 | 8.1 | 33,339 | 7.2 | 47.0 | 42.4 | 3.3 |
| Nakuru | 67,817 | 8.6 | 39.9 | 43.9 | 7.6 | 64,044 | 18.1 | 43.6 | 36.0 | 2.3 |
| Other urban | 200,551 | 7.9 | 38.0 | 45.1 | 9.1 | 205,476 | 14.2 | 42.2 | 40.6 | 3.0 |
| Nation | 4,999,645 | 13.8 | 56.8 | 26.4 | 3.0 | 5,162,461 | 22.4 | 57.2 | 19.2 | 1.3 |

Annex 3.4a Reasons for children of school-going age not going to school in Poor households (%)

| Region | N | Too old | Got married | Too far | Cannot afford | Got employed | Became an apprentice | Work at home | School Un-interesting | Cultural rituals | Illness | Pregnancy | Failed exams | Other | Not stated | Total |
|--------------------------|------------------|------------|-------------|------------|---------------|--------------|----------------------|--------------|-----------------------|------------------|------------|------------|--------------|-------------|------------|--------------|
| Central Rural | 173,920 | 1.0 | 5.0 | 0.0 | 23.2 | 1.0 | 3.5 | 0.2 | 19.2 | 0.0 | 0.9 | 4.6 | 11.4 | 28.0 | 2.0 | 100.0 |
| Kiambu | 53,709 | 2.9 | 0.4 | 0.0 | 36.9 | 0.0 | 6.4 | 0.0 | 12.3 | 0.0 | 0.6 | 4.5 | 3.9 | 32.2 | 0.0 | 100.0 |
| Kirinyaga | 22,592 | 0.0 | 3.3 | 0.0 | 11.7 | 0.0 | 1.7 | 1.5 | 50.9 | 0.0 | 0.0 | 0.0 | 8.6 | 21.0 | 1.2 | 100.0 |
| Muranga | 53,609 | 0.0 | 6.3 | 0.0 | 12.0 | 1.5 | 2.8 | 0.0 | 18.9 | 0.0 | 1.3 | 7.7 | 11.8 | 35.0 | 2.7 | 100.0 |
| Nyandarua | 15,031 | 1.4 | 8.5 | 0.0 | 22.7 | 0.0 | 5.1 | 0.0 | 24.3 | 0.0 | 0.0 | 0.0 | 29.1 | 7.8 | 1.1 | 100.0 |
| Nyeri | 28,978 | 0.0 | 10.7 | 0.0 | 27.7 | 2.9 | 0.0 | 0.0 | 5.3 | 0.0 | 1.9 | 5.3 | 17.8 | 23.1 | 5.3 | 100.0 |
| Coast Rural | 99,438 | 2.4 | 10.4 | 0.9 | 36.6 | 2.3 | 1.1 | 5.2 | 12.0 | 0.5 | 5.7 | 2.4 | 12.6 | 5.0 | 2.9 | 100.0 |
| Kilifi | 48,517 | 1.3 | 3.9 | 0.5 | 40.4 | 1.9 | 1.1 | 4.9 | 15.6 | 0.0 | 9.4 | 2.9 | 13.2 | 4.3 | 0.6 | 100.0 |
| Kwale | 27,384 | 1.0 | 22.0 | 2.0 | 28.5 | 3.0 | 2.0 | 4.9 | 9.5 | 0.0 | 0.0 | 1.9 | 17.1 | 2.9 | 5.1 | 100.0 |
| Lamu | 4,778 | 0.0 | 14.1 | 0.0 | 22.4 | 2.6 | 0.0 | 18.2 | 11.3 | 11.1 | 0.0 | 2.3 | 8.7 | 6.8 | 2.6 | 100.0 |
| Taita Taveta | 17,248 | 8.7 | 9.1 | 0.6 | 41.6 | 1.7 | 0.0 | 3.1 | 6.0 | 0.0 | 6.2 | 1.9 | 6.1 | 9.6 | 5.4 | 100.0 |
| Tana River | 1,511 | 0.0 | 8.4 | 0.0 | 50.1 | 8.4 | 0.0 | 0.0 | 16.6 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 8.4 | 100.0 |
| Eastern Rural | 289,155 | 6.0 | 6.9 | 0.9 | 33.3 | 0.3 | 1.4 | 6.1 | 13.2 | 0.3 | 2.1 | 7.3 | 7.2 | 10.1 | 4.8 | 100.0 |
| Mbeere | 9,440 | 2.4 | 1.8 | 0.0 | 34.3 | 0.0 | 7.1 | 0.0 | 5.1 | 0.0 | 0.0 | 1.8 | 9.0 | 33.1 | 5.3 | 100.0 |
| Embu | 17,277 | 1.6 | 9.9 | 0.0 | 17.8 | 1.8 | 1.1 | 1.9 | 45.8 | 0.0 | 0.0 | 3.5 | 7.4 | 4.5 | 4.5 | 100.0 |
| Kitui | 52,080 | 5.5 | 9.3 | 1.1 | 32.5 | 0.5 | 1.8 | 4.4 | 15.0 | 0.0 | 3.1 | 8.8 | 10.6 | 6.2 | 1.2 | 100.0 |
| Machakos | 51,287 | 1.6 | 7.5 | 0.0 | 44.1 | 0.0 | 2.9 | 2.9 | 11.4 | 0.0 | 3.0 | 10.2 | 4.5 | 9.0 | 2.9 | 100.0 |
| Meru | 20,263 | 4.2 | 4.6 | 0.0 | 30.6 | 1.9 | 4.0 | 0.0 | 8.7 | 0.0 | 0.0 | 8.3 | 17.0 | 20.7 | 0.0 | 100.0 |
| Makueni | 57,517 | 0.0 | 12.1 | 3.8 | 27.5 | 0.0 | 0.0 | 17.1 | 13.9 | 1.6 | 0.0 | 4.2 | 6.7 | 7.0 | 6.1 | 100.0 |
| Tharaka Nithi | 23,280 | 50.5 | 0.0 | 0.0 | 36.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 0.0 | 7.5 | 2.2 | 0.0 | 100.0 |
| Nyambene | 58,011 | 1.1 | 2.4 | 0.0 | 34.4 | 0.0 | 0.0 | 6.4 | 11.1 | 0.0 | 3.3 | 11.1 | 3.4 | 14.8 | 12.0 | 100.0 |
| Nyanza Rural | 254,792 | 2.3 | 20.3 | 1.3 | 25.6 | 2.0 | 2.2 | 1.8 | 4.7 | 0.3 | 3.9 | 6.6 | 17.0 | 8.8 | 3.2 | 100.0 |
| Kisii | 40,310 | 0.0 | 21.6 | 0.4 | 14.9 | 2.0 | 2.2 | 0.0 | 4.1 | 0.0 | 2.5 | 3.7 | 38.1 | 5.9 | 4.7 | 100.0 |
| Kisumu | 34,319 | 1.2 | 11.7 | 0.8 | 49.1 | 1.2 | 3.1 | 6.0 | 6.4 | 0.0 | 6.0 | 3.3 | 5.8 | 3.7 | 1.6 | 100.0 |
| Siaya | 39,356 | 0.9 | 18.6 | 0.0 | 34.6 | 0.0 | 0.0 | 1.3 | 5.7 | 0.0 | 6.2 | 7.6 | 15.7 | 7.6 | 1.8 | 100.0 |
| Homa Bay | 50,193 | 5.3 | 29.1 | 0.0 | 17.9 | 0.0 | 1.0 | 0.0 | 5.6 | 0.0 | 6.5 | 8.1 | 14.4 | 7.8 | 4.3 | 100.0 |
| Migori | 41,404 | 5.6 | 26.0 | 6.6 | 25.2 | 5.1 | 0.0 | 3.4 | 5.1 | 0.0 | 1.7 | 2.1 | 17.0 | 2.1 | 0.0 | 100.0 |
| Nyamira | 49,210 | 0.0 | 12.6 | 0.0 | 19.0 | 3.5 | 6.6 | 1.4 | 1.7 | 1.8 | 0.9 | 12.6 | 11.4 | 22.4 | 6.0 | 100.0 |
| Rift Valley Rural | 291,611 | 3.5 | 14.9 | 0.8 | 28.0 | 3.1 | 0.9 | 2.9 | 13.9 | 1.9 | 2.8 | 4.9 | 9.1 | 7.3 | 5.8 | 100.0 |
| Kajiado | 5,790 | 0.0 | 6.2 | 0.0 | 59.4 | 0.0 | 0.0 | 0.0 | 7.8 | 0.0 | 5.3 | 2.6 | 6.2 | 12.4 | 0.0 | 100.0 |
| Kericho | 35,990 | 13.2 | 6.6 | 0.0 | 7.2 | 1.6 | 1.9 | 1.5 | 25.5 | 0.0 | 3.2 | 2.1 | 12.0 | 11.2 | 13.8 | 100.0 |
| Laikipia | 11,952 | 4.1 | 10.5 | 0.0 | 27.2 | 0.0 | 0.0 | 5.5 | 9.2 | 1.9 | 0.0 | 0.0 | 12.9 | 25.8 | 3.0 | 100.0 |
| Nakuru | 48,032 | 8.1 | 4.1 | 0.0 | 38.0 | 3.4 | 2.0 | 1.2 | 19.1 | 0.0 | 1.2 | 8.5 | 10.6 | 2.0 | 1.8 | 100.0 |
| Nandi | 40,345 | 0.0 | 12.2 | 0.0 | 34.9 | 4.7 | 0.0 | 3.6 | 15.8 | 2.3 | 0.7 | 9.1 | 9.2 | 7.5 | 0.0 | 100.0 |
| Narok | 12,537 | 0.0 | 4.7 | 0.0 | 24.8 | 0.0 | 2.4 | 8.0 | 8.8 | 22.7 | 12.9 | 0.0 | 3.2 | 10.6 | 2.0 | 100.0 |
| Bomet | 37,445 | 0.0 | 26.5 | 6.1 | 22.6 | 9.8 | 0.0 | 0.0 | 8.0 | 0.0 | 6.5 | 5.6 | 6.4 | 0.0 | 8.6 | 100.0 |
| Transmara | 11,181 | 0.0 | 40.3 | 0.0 | 18.8 | 0.0 | 0.0 | 12.1 | 16.1 | 7.9 | 0.0 | 0.0 | 4.8 | 0.0 | 0.0 | 100.0 |
| Baringo | 8,088 | 0.0 | 25.4 | 0.0 | 18.3 | 0.0 | 0.0 | 5.0 | 17.5 | 0.0 | 0.0 | 13.7 | 3.9 | 4.5 | 11.7 | 100.0 |
| Elgeyo-Marakwet | 12,500 | 4.3 | 19.2 | 0.0 | 8.7 | 0.0 | 0.0 | 2.4 | 11.8 | 0.0 | 0.0 | 3.9 | 19.2 | 6.2 | 24.3 | 100.0 |
| Trans Nzoia | 38,529 | 0.7 | 22.1 | 0.0 | 41.8 | 0.4 | 2.1 | 0.4 | 6.2 | 0.0 | 2.1 | 0.7 | 11.4 | 6.9 | 5.1 | 100.0 |
| Uasin Gishu | 16,262 | 2.2 | 17.3 | 0.0 | 26.9 | 5.2 | 0.0 | 4.3 | 4.2 | 0.0 | 2.0 | 8.1 | 7.0 | 14.6 | 8.2 | 100.0 |
| West Pokot | 12,962 | 0.0 | 14.3 | 0.0 | 25.3 | 2.1 | 0.0 | 9.8 | 17.4 | 6.1 | 6.1 | 3.2 | 0.0 | 15.7 | 0.0 | 100.0 |
| Western Rural | 196,290 | 1.5 | 10.9 | 1.2 | 33.3 | 0.0 | 0.6 | 0.8 | 9.5 | 0.2 | 2.4 | 2.8 | 6.6 | 23.2 | 7.1 | 100.0 |
| Bungoma | 40,629 | 4.6 | 3.8 | 1.7 | 44.0 | 0.0 | 1.5 | 1.0 | 7.6 | 0.0 | 5.0 | 4.9 | 5.3 | 12.0 | 8.7 | 100.0 |
| Busia | 26,926 | 3.9 | 23.4 | 0.0 | 23.0 | 0.0 | 2.1 | 0.0 | 4.4 | 1.7 | 1.6 | 3.9 | 20.2 | 13.6 | 2.3 | 100.0 |
| Kakamega | 92,017 | 0.0 | 12.7 | 0.0 | 42.2 | 0.0 | 0.0 | 0.0 | 8.9 | 0.0 | 0.9 | 2.6 | 2.3 | 20.7 | 9.8 | 100.0 |
| Vihiga | 36,719 | 0.0 | 5.1 | 4.3 | 6.6 | 0.0 | 0.0 | 3.2 | 16.8 | 0.0 | 4.1 | 0.0 | 8.8 | 49.1 | 1.9 | 100.0 |
| Total Rural | 1,305,206 | 3.1 | 11.9 | 0.9 | 29.5 | 1.5 | 1.6 | 2.9 | 11.8 | 0.6 | 2.8 | 5.2 | 10.4 | 13.2 | 4.5 | 100.0 |
| Total Urban | 436,536 | 7.9 | 17.3 | 0.4 | 34.2 | 6.3 | 1.3 | 0.5 | 4.1 | 0.1 | 0.7 | 1.9 | 5.0 | 19.0 | 1.2 | 100.0 |
| Nairobi | 251,577 | 9.2 | 18.6 | 0.0 | 31.9 | 6.7 | 1.1 | 0.6 | 2.9 | 0.0 | 0.4 | 0.5 | 4.4 | 22.9 | 0.8 | 100.0 |
| Mombasa | 42,101 | 2.2 | 7.5 | 3.0 | 50.6 | 0.0 | 0.7 | 0.0 | 2.4 | 0.0 | 2.5 | 1.7 | 9.3 | 18.7 | 1.4 | 100.0 |
| Kisumu | 29,018 | 17.5 | 11.6 | 0.9 | 45.5 | 8.3 | 0.6 | 0.0 | 4.0 | 0.0 | 2.8 | 3.9 | 0.5 | 3.7 | 0.9 | 100.0 |
| Nakuru | 19,832 | 7.0 | 14.6 | 0.0 | 26.2 | 6.5 | 3.0 | 0.0 | 10.8 | 0.0 | 0.0 | 5.3 | 10.0 | 12.1 | 4.2 | 100.0 |
| Other urban | 94,008 | 4.3 | 20.4 | 0.1 | 31.3 | 7.6 | 1.9 | 0.8 | 6.7 | 0.4 | 0.2 | 4.2 | 5.2 | 15.0 | 1.8 | 100.0 |
| Nation | 1,741,743 | 4.3 | 13.3 | 0.7 | 30.7 | 2.7 | 1.5 | 2.3 | 9.9 | 0.5 | 2.3 | 4.4 | 9.1 | 14.6 | 3.7 | 100.0 |

Annex 3.4b Reasons for children of school-going age not going to school in Non-Poor households (%)

| Region | N | Too old | Got married | Too far | Cannot afford | Got employed | Became an apprentice | Work at home | School Un-interesting | Cultural rituals | Illness | Pregnancy | Failed exams | Other | not stated | Total |
|--------------------------|------------------|------------|-------------|------------|---------------|--------------|----------------------|--------------|-----------------------|------------------|------------|------------|--------------|-------------|------------|--------------|
| Central Rural | 323,980 | 6.2 | 9.5 | 0.0 | 13.7 | 4.4 | 1.8 | 0.8 | 12.9 | 0.4 | 1.1 | 2.3 | 12.5 | 31.4 | 3.1 | 100.0 |
| Kiambu | 96,315 | 7.1 | 6.7 | 0.0 | 14.8 | 5.4 | 1.8 | 2.4 | 10.0 | 1.4 | 1.3 | 1.4 | 7.4 | 34.2 | 6.0 | 100.0 |
| Kirinyaga | 41,966 | 0.6 | 12.1 | 0.0 | 20.9 | 3.0 | 0.8 | 0.0 | 18.4 | 0.0 | 1.0 | 3.5 | 14.8 | 22.8 | 2.1 | 100.0 |
| Muranga | 79,384 | 0.8 | 3.1 | 0.0 | 11.1 | 1.5 | 0.8 | 0.0 | 18.7 | 0.0 | 0.0 | 4.1 | 15.7 | 41.1 | 3.1 | 100.0 |
| Nyandarua | 44,393 | 14.8 | 24.9 | 0.0 | 15.1 | 0.0 | 0.0 | 0.5 | 8.3 | 0.0 | 1.0 | 1.4 | 14.8 | 17.6 | 1.7 | 100.0 |
| Nyeri | 61,923 | 9.3 | 9.1 | 0.0 | 9.6 | 10.4 | 4.8 | 0.0 | 9.5 | 0.0 | 2.1 | 1.3 | 13.2 | 30.2 | 0.5 | 100.0 |
| Coast Rural | 59,162 | 2.6 | 21.2 | 0.0 | 27.2 | 7.1 | 2.1 | 2.9 | 13.1 | 0.4 | 1.8 | 1.2 | 14.3 | 3.4 | 2.7 | 100.0 |
| Kilifi | 19,833 | 0.0 | 30.5 | 0.0 | 34.3 | 4.9 | 0.0 | 2.3 | 12.2 | 0.0 | 5.3 | 0.0 | 8.9 | 0.0 | 1.5 | 100.0 |
| Kwale | 22,202 | 5.4 | 12.2 | 0.0 | 20.2 | 10.8 | 4.4 | 0.0 | 13.6 | 0.0 | 0.0 | 0.0 | 22.3 | 7.3 | 3.8 | 100.0 |
| Lamu | 6,451 | 0.0 | 25.8 | 0.0 | 13.5 | 5.1 | 0.0 | 5.2 | 10.9 | 3.6 | 0.0 | 11.2 | 21.8 | 1.7 | 1.4 | 100.0 |
| Taita Taveta | 9,492 | 3.6 | 17.2 | 0.0 | 41.3 | 5.2 | 3.1 | 8.0 | 11.2 | 0.0 | 0.0 | 0.0 | 3.8 | 2.9 | 3.6 | 100.0 |
| Tana River | 1,184 | 0.0 | 41.4 | 0.0 | 0.0 | 0.0 | 0.0 | 12.2 | 46.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 186,505 | 8.3 | 13.1 | 0.3 | 21.1 | 3.3 | 2.9 | 0.7 | 15.4 | 1.4 | 0.9 | 3.9 | 6.4 | 19.4 | 2.9 | 100.0 |
| Mbeere | 11,864 | 3.3 | 8.7 | 4.3 | 17.2 | 0.0 | 2.8 | 0.0 | 3.3 | 3.3 | 0.0 | 0.0 | 3.0 | 54.0 | 0.0 | 100.0 |
| Embu | 9,019 | 3.0 | 9.6 | 0.0 | 6.6 | 5.2 | 0.0 | 0.0 | 43.1 | 0.0 | 0.0 | 0.0 | 3.0 | 26.4 | 3.1 | 100.0 |
| Kitui | 26,021 | 4.4 | 17.9 | 0.0 | 25.7 | 7.2 | 0.0 | 1.0 | 10.9 | 0.0 | 0.7 | 11.8 | 6.4 | 11.3 | 2.8 | 100.0 |
| Machakos | 26,485 | 0.0 | 10.2 | 0.0 | 26.8 | 7.0 | 1.7 | 0.0 | 8.3 | 0.0 | 2.5 | 2.3 | 14.8 | 16.7 | 9.7 | 100.0 |
| Meru | 19,475 | 0.0 | 11.0 | 0.0 | 21.5 | 2.5 | 12.3 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | 16.4 | 34.0 | 0.0 | 100.0 |
| Makueni | 18,155 | 0.0 | 24.4 | 0.0 | 29.2 | 6.0 | 0.0 | 2.4 | 7.0 | 0.0 | 0.0 | 5.2 | 7.7 | 14.5 | 3.5 | 100.0 |
| Tharaka Nithi | 17,932 | 72.4 | 4.8 | 0.0 | 9.8 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 4.5 | 0.0 | 2.5 | 2.5 | 0.0 | 100.0 |
| Nyambene | 57,555 | 1.1 | 13.6 | 0.0 | 20.2 | 0.8 | 3.9 | 0.0 | 30.7 | 3.9 | 0.0 | 4.5 | 1.1 | 18.0 | 2.1 | 100.0 |
| Nyanza Rural | 156,302 | 3.2 | 31.0 | 0.6 | 16.0 | 3.1 | 1.3 | 0.4 | 6.3 | 0.0 | 2.9 | 7.4 | 7.8 | 12.6 | 7.5 | 100.0 |
| Kisii | 25,356 | 0.0 | 47.3 | 0.0 | 7.3 | 2.4 | 0.9 | 1.0 | 6.6 | 0.0 | 3.9 | 8.0 | 15.5 | 2.2 | 5.0 | 100.0 |
| Kisumu | 16,082 | 2.3 | 27.4 | 0.0 | 21.4 | 2.9 | 4.9 | 2.8 | 6.8 | 0.0 | 1.5 | 13.0 | 7.3 | 3.8 | 5.9 | 100.0 |
| Siaya | 24,628 | 1.3 | 23.6 | 0.0 | 24.4 | 5.1 | 4.1 | 0.0 | 8.7 | 0.0 | 0.0 | 3.6 | 9.5 | 11.3 | 8.4 | 100.0 |
| Homa Bay | 10,784 | 13.7 | 19.1 | 0.0 | 9.3 | 0.0 | 0.0 | 0.0 | 12.0 | 0.0 | 0.0 | 3.9 | 13.2 | 21.5 | 7.1 | 100.0 |
| Migori | 46,456 | 6.1 | 29.9 | 1.9 | 20.3 | 5.4 | 0.0 | 0.0 | 8.0 | 0.0 | 7.0 | 10.7 | 5.0 | 5.7 | 0.0 | 100.0 |
| Nyamira | 32,996 | 0.0 | 30.9 | 0.0 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 2.9 | 32.8 | 20.1 | 100.0 |
| Rift Valley Rural | 291,075 | 6.1 | 20.6 | 0.7 | 21.5 | 4.7 | 1.3 | 4.4 | 7.1 | 0.3 | 1.6 | 6.6 | 7.9 | 12.5 | 4.9 | 100.0 |
| Kajiado | 19,031 | 2.3 | 17.4 | 2.3 | 10.9 | 4.9 | 4.1 | 1.7 | 21.7 | 2.5 | 0.0 | 0.0 | 19.8 | 1.4 | 10.9 | 100.0 |
| Kericho | 29,231 | 27.2 | 16.4 | 0.0 | 19.8 | 2.1 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | 4.7 | 3.3 | 12.9 | 10.9 | 100.0 |
| Laikipia | 19,892 | 7.4 | 13.1 | 0.0 | 14.7 | 2.4 | 1.7 | 0.0 | 8.6 | 0.0 | 2.4 | 1.3 | 11.4 | 34.3 | 2.8 | 100.0 |
| Nakuru | 60,592 | 8.4 | 3.4 | 1.1 | 37.7 | 3.0 | 1.2 | 3.2 | 8.8 | 0.0 | 3.6 | 12.9 | 8.5 | 7.9 | 0.4 | 100.0 |
| Nandi | 28,018 | 0.0 | 14.5 | 0.0 | 30.8 | 5.3 | 0.0 | 2.2 | 14.6 | 0.0 | 1.4 | 14.6 | 1.2 | 14.2 | 1.2 | 100.0 |
| Narok | 9,397 | 0.0 | 19.5 | 0.0 | 17.6 | 11.8 | 0.0 | 34.4 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 11.1 | 3.2 | 100.0 |
| Bomet | 23,196 | 0.0 | 36.2 | 0.0 | 6.3 | 0.0 | 1.2 | 4.2 | 4.2 | 0.0 | 0.0 | 6.0 | 19.4 | 9.1 | 13.4 | 100.0 |
| Transmara | 9,118 | 0.0 | 62.9 | 5.6 | 0.0 | 11.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 14.5 | 0.0 | 100.0 |
| Baringo | 22,956 | 3.2 | 41.8 | 0.0 | 6.3 | 13.0 | 2.7 | 5.0 | 3.3 | 0.0 | 3.0 | 6.1 | 5.5 | 6.7 | 3.3 | 100.0 |
| Elgeyo-Marakwet | 12,205 | 3.7 | 40.7 | 0.0 | 7.0 | 4.9 | 5.5 | 7.9 | 0.0 | 0.0 | 2.6 | 0.0 | 7.8 | 12.8 | 7.1 | 100.0 |
| Trans Nzoia | 21,368 | 1.3 | 16.5 | 1.5 | 38.0 | 2.1 | 0.0 | 5.9 | 3.2 | 1.2 | 1.3 | 3.1 | 9.1 | 9.2 | 7.5 | 100.0 |
| Uasin Gishu | 26,570 | 4.0 | 31.6 | 0.8 | 13.4 | 1.3 | 0.9 | 1.3 | 7.8 | 0.0 | 0.8 | 6.3 | 3.4 | 24.3 | 4.2 | 100.0 |
| West Pokot | 9,502 | 3.1 | 6.7 | 0.0 | 35.1 | 19.5 | 0.0 | 20.9 | 0.0 | 0.0 | 0.0 | 5.4 | 2.8 | 6.5 | 0.0 | 100.0 |
| Western Rural | 138,371 | 5.0 | 23.3 | 0.2 | 26.5 | 1.1 | 1.3 | 0.3 | 2.2 | 0.0 | 2.2 | 4.4 | 0.9 | 29.8 | 2.8 | 100.0 |
| Bungoma | 36,680 | 6.3 | 18.8 | 0.6 | 28.0 | 0.0 | 0.0 | 1.1 | 3.4 | 0.0 | 1.5 | 6.5 | 1.0 | 25.6 | 7.2 | 100.0 |
| Busia | 16,250 | 14.1 | 33.8 | 0.0 | 23.9 | 3.2 | 3.5 | 0.0 | 5.9 | 0.0 | 0.0 | 4.4 | 0.0 | 8.6 | 2.6 | 100.0 |
| Kakamega | 60,548 | 1.6 | 21.4 | 0.0 | 25.7 | 1.6 | 2.0 | 0.0 | 1.4 | 0.0 | 4.2 | 1.5 | 1.5 | 37.5 | 1.4 | 100.0 |
| Vihiga | 24,893 | 5.4 | 27.6 | 0.0 | 27.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | 0.0 | 31.0 | 0.0 | 100.0 |
| Total Rural | 1,155,396 | 5.8 | 18.0 | 0.3 | 19.4 | 3.9 | 1.7 | 1.7 | 9.7 | 0.4 | 1.6 | 4.5 | 8.4 | 20.5 | 4.1 | 100.0 |
| Total Urban | 360,590 | 6.1 | 9.1 | 0.9 | 29.5 | 10.4 | 2.0 | 0.6 | 1.6 | 0.0 | 0.3 | 3.8 | 6.0 | 20.5 | 9.2 | 100.0 |
| Nairobi | 174,807 | 3.3 | 6.3 | 1.4 | 29.6 | 10.2 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 7.4 | 19.4 | 14.5 | 100.0 |
| Mombasa | 61,797 | 15.1 | 11.9 | 0.0 | 15.0 | 5.4 | 0.0 | 0.0 | 1.9 | 0.0 | 0.9 | 0.9 | 4.2 | 39.1 | 5.5 | 100.0 |
| Kisumu | 15,270 | 15.3 | 7.1 | 0.0 | 43.4 | 10.6 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 4.4 | 4.3 | 11.8 | 1.5 | 100.0 |
| Nakuru | 24,405 | 9.6 | 17.7 | 1.7 | 32.0 | 21.6 | 0.9 | 0.0 | 3.5 | 0.0 | 0.0 | 7.2 | 1.8 | 3.4 | 0.7 | 100.0 |
| Other urban | 84,312 | 2.6 | 11.0 | 0.4 | 36.4 | 10.9 | 1.5 | 2.6 | 4.5 | 0.0 | 0.5 | 3.2 | 6.2 | 15.4 | 4.7 | 100.0 |
| Nation | 1,515,986 | 5.9 | 15.9 | 0.5 | 21.8 | 5.4 | 1.8 | 1.4 | 7.8 | 0.3 | 1.3 | 4.3 | 7.8 | 20.5 | 5.3 | 100.0 |

Annex 3.5a Distribution of Female School-going age population from Poor households by Reason for not being currently at school (%)

| Region | N | Too old | Got married | Too far | Cannot afford | Got employed | Became an apprentice | Work at home | School Un-interesting | Cultural rituals | Illness | Pregnancy | Failed exams | Other | not stated | Total |
|--------------------------|----------------|------------|-------------|------------|---------------|--------------|----------------------|--------------|-----------------------|------------------|------------|-------------|--------------|-------------|------------|--------------|
| Central Rural | 83,108 | 1.3 | 8.2 | 0.0 | 20.8 | 2.0 | 2.3 | 0.0 | 16.5 | 0.0 | 1.9 | 9.7 | 11.3 | 23.9 | 2.2 | 100.0 |
| Kiambu | 25,693 | 4.4 | 0.8 | 0.0 | 38.2 | 0.0 | 4.5 | 0.0 | 11.8 | 0.0 | 1.2 | 9.3 | 0.0 | 29.8 | 0.0 | 100.0 |
| Kirinyaga | 7,860 | 0.0 | 9.6 | 0.0 | 11.3 | 0.0 | 0.0 | 0.0 | 48.7 | 0.0 | 0.0 | 0.0 | 16.0 | 10.8 | 3.5 | 100.0 |
| Muranga | 27,425 | 0.0 | 7.8 | 0.0 | 13.9 | 3.0 | 0.0 | 0.0 | 18.7 | 0.0 | 2.5 | 15.0 | 9.3 | 27.1 | 2.7 | 100.0 |
| Nyandarua | 5,755 | 0.0 | 11.1 | 0.0 | 13.0 | 0.0 | 13.4 | 0.0 | 29.3 | 0.0 | 0.0 | 0.0 | 33.2 | 0.0 | 0.0 | 100.0 |
| Nyeri | 16,375 | 0.0 | 18.9 | 0.0 | 12.1 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 9.3 | 22.2 | 23.9 | 5.0 | 100.0 |
| Coast Rural | 50,067 | 2.9 | 16.6 | 1.6 | 34.7 | 0.0 | 0.0 | 4.4 | 11.5 | 1.1 | 4.4 | 4.7 | 10.9 | 3.8 | 3.3 | 100.0 |
| Kilifi | 21,386 | 0.0 | 7.0 | 1.2 | 41.4 | 0.0 | 0.0 | 0.0 | 16.2 | 0.0 | 7.3 | 6.5 | 14.1 | 4.9 | 1.4 | 100.0 |
| Kwale | 16,145 | 1.7 | 31.2 | 3.4 | 24.9 | 0.0 | 0.0 | 8.4 | 10.0 | 0.0 | 0.0 | 3.3 | 10.7 | 2.2 | 4.2 | 100.0 |
| Lamu | 3,029 | 0.0 | 11.1 | 0.0 | 16.0 | 0.0 | 0.0 | 28.6 | 12.4 | 17.5 | 0.0 | 3.6 | 5.4 | 5.4 | 0.0 | 100.0 |
| Taita Taveta | 8,877 | 13.6 | 15.1 | 0.0 | 42.6 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 | 7.2 | 3.7 | 5.8 | 3.8 | 6.0 | 100.0 |
| Tana River | 630 | 0.0 | 20.1 | 0.0 | 40.2 | 0.0 | 0.0 | 0.0 | 19.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.1 | 100.0 |
| Eastern Rural | 144,000 | 8.8 | 11.9 | 0.6 | 28.0 | 0.0 | 0.7 | 3.8 | 10.7 | 0.6 | 1.3 | 14.7 | 7.7 | 8.6 | 2.5 | 100.0 |
| Mbeere | 5,415 | 0.0 | 3.2 | 0.0 | 40.9 | 0.0 | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 | 3.2 | 0.0 | 42.3 | 5.9 | 100.0 |
| Embu | 8,926 | 0.0 | 15.7 | 0.0 | 19.6 | 0.0 | 0.0 | 0.0 | 42.5 | 0.0 | 0.0 | 6.8 | 10.8 | 2.4 | 2.2 | 100.0 |
| Kitui | 27,708 | 5.6 | 16.1 | 0.0 | 27.2 | 0.0 | 0.9 | 5.2 | 12.1 | 0.0 | 1.9 | 16.6 | 10.1 | 3.3 | 0.9 | 100.0 |
| Machakos | 26,567 | 3.1 | 14.5 | 0.0 | 46.7 | 0.0 | 2.8 | 3.6 | 4.9 | 0.0 | 0.0 | 19.7 | 2.0 | 0.0 | 2.8 | 100.0 |
| Meru | 10,894 | 7.7 | 8.6 | 0.0 | 14.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.4 | 22.1 | 31.6 | 0.0 | 100.0 |
| Makueni | 25,807 | 0.0 | 19.2 | 3.3 | 26.2 | 0.0 | 0.0 | 6.9 | 7.8 | 3.5 | 0.0 | 9.3 | 11.2 | 9.1 | 3.5 | 100.0 |
| Tharaka Nithi | 13,623 | 65.1 | 0.0 | 0.0 | 28.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 0.0 | 0.0 | 100.0 |
| Nyambene | 25,061 | 2.6 | 5.5 | 0.0 | 16.7 | 0.0 | 0.0 | 5.0 | 19.0 | 0.0 | 5.4 | 25.6 | 2.3 | 12.9 | 5.0 | 100.0 |
| Nyanza Rural | 134,919 | 3.9 | 35.4 | 0.8 | 17.0 | 0.0 | 2.9 | 0.5 | 2.7 | 0.6 | 3.4 | 12.4 | 10.6 | 7.1 | 2.6 | 100.0 |
| Kisii | 21,083 | 0.0 | 38.7 | 0.7 | 9.3 | 0.0 | 3.3 | 0.0 | 2.1 | 0.0 | 4.8 | 7.0 | 24.3 | 5.9 | 4.0 | 100.0 |
| Kisumu | 15,288 | 2.6 | 26.3 | 1.9 | 42.2 | 0.0 | 4.0 | 0.0 | 5.9 | 0.0 | 0.0 | 7.3 | 6.0 | 2.4 | 1.3 | 100.0 |
| Siaya | 17,178 | 2.1 | 40.6 | 0.0 | 26.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.5 | 10.8 | 2.4 | 0.0 | 100.0 |
| Homa Bay | 31,664 | 6.8 | 39.3 | 0.0 | 7.3 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 10.0 | 12.9 | 7.1 | 12.3 | 2.6 | 100.0 |
| Migori | 21,399 | 10.8 | 50.4 | 2.9 | 14.7 | 0.0 | 0.0 | 0.0 | 6.6 | 0.0 | 0.0 | 4.1 | 10.6 | 0.0 | 0.0 | 100.0 |
| Nyamira | 28,307 | 0.0 | 18.8 | 0.0 | 15.8 | 0.0 | 7.7 | 2.5 | 3.0 | 3.1 | 1.6 | 21.9 | 6.9 | 13.1 | 5.7 | 100.0 |
| Rift Valley Rural | 140,393 | 3.3 | 24.7 | 1.6 | 21.2 | 0.8 | 0.0 | 3.9 | 10.0 | 2.8 | 2.9 | 10.2 | 7.3 | 5.5 | 5.6 | 100.0 |
| Kajiado | 1,988 | 0.0 | 18.1 | 0.0 | 36.2 | 0.0 | 0.0 | 0.0 | 22.7 | 0.0 | 15.3 | 7.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kericho | 14,116 | 16.3 | 16.9 | 0.0 | 10.9 | 0.0 | 0.0 | 3.8 | 28.8 | 0.0 | 0.0 | 5.3 | 12.5 | 0.0 | 5.6 | 100.0 |
| Laikipia | 7,669 | 4.2 | 16.3 | 0.0 | 13.0 | 0.0 | 0.0 | 8.6 | 9.3 | 0.0 | 0.0 | 0.0 | 16.1 | 27.9 | 4.6 | 100.0 |
| Nakuru | 19,009 | 6.0 | 10.4 | 0.0 | 26.9 | 0.0 | 0.0 | 3.0 | 19.6 | 0.0 | 0.0 | 21.5 | 7.8 | 0.0 | 4.7 | 100.0 |
| Nandi | 19,092 | 0.0 | 25.8 | 0.0 | 28.2 | 1.6 | 0.0 | 2.5 | 11.3 | 0.0 | 1.5 | 19.3 | 7.2 | 2.6 | 0.0 | 100.0 |
| Narok | 6,862 | 0.0 | 4.3 | 0.0 | 15.6 | 0.0 | 0.0 | 14.5 | 4.3 | 41.4 | 6.9 | 0.0 | 0.0 | 13.0 | 0.0 | 100.0 |
| Bomet | 19,421 | 0.0 | 37.9 | 11.8 | 9.8 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5 | 10.7 | 3.8 | 0.0 | 9.9 | 100.0 |
| Transmara | 5,784 | 0.0 | 57.8 | 0.0 | 17.6 | 0.0 | 0.0 | 0.0 | 9.4 | 6.0 | 0.0 | 0.0 | 9.4 | 0.0 | 0.0 | 100.0 |
| Baringo | 4,872 | 0.0 | 30.6 | 0.0 | 6.4 | 0.0 | 0.0 | 8.3 | 11.6 | 0.0 | 0.0 | 22.7 | 6.4 | 7.5 | 6.4 | 100.0 |
| Elgeyo-Marakwet | 5,501 | 9.7 | 24.6 | 0.0 | 3.3 | 0.0 | 0.0 | 5.5 | 6.7 | 0.0 | 0.0 | 8.9 | 13.9 | 0.0 | 27.4 | 100.0 |
| Trans Nzoia | 21,374 | 0.0 | 32.5 | 0.0 | 37.7 | 0.7 | 0.0 | 0.0 | 4.1 | 0.0 | 0.0 | 1.2 | 8.9 | 9.6 | 5.3 | 100.0 |
| Uasin Gishu | 8,639 | 4.2 | 24.6 | 0.0 | 29.6 | 0.0 | 0.0 | 2.3 | 3.2 | 0.0 | 3.7 | 15.2 | 1.5 | 4.2 | 11.5 | 100.0 |
| West Pokot | 6,066 | 0.0 | 15.3 | 0.0 | 15.6 | 0.0 | 0.0 | 21.0 | 0.0 | 13.0 | 4.5 | 6.9 | 0.0 | 23.7 | 0.0 | 100.0 |
| Western Rural | 95,833 | 1.9 | 18.6 | 0.5 | 33.4 | 0.0 | 0.0 | 1.2 | 2.5 | 0.5 | 2.0 | 5.6 | 7.9 | 21.3 | 4.7 | 100.0 |
| Bungoma | 18,940 | 6.6 | 8.3 | 2.4 | 47.1 | 0.0 | 0.0 | 0.0 | 3.9 | 0.0 | 3.3 | 10.4 | 8.3 | 2.6 | 7.2 | 100.0 |
| Busia | 17,710 | 3.0 | 30.0 | 0.0 | 22.7 | 0.0 | 0.0 | 0.0 | 5.3 | 2.7 | 2.4 | 5.9 | 16.7 | 7.9 | 3.4 | 100.0 |
| Kakamega | 42,710 | 0.0 | 21.2 | 0.0 | 40.9 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 1.9 | 5.6 | 2.0 | 20.7 | 5.9 | 100.0 |
| Vihiga | 16,473 | 0.0 | 11.4 | 0.0 | 9.7 | 0.0 | 0.0 | 7.1 | 0.0 | 0.0 | 0.0 | 0.0 | 13.0 | 58.9 | 0.0 | 100.0 |
| Total Rural | 648,320 | 4.2 | 20.5 | 0.8 | 24.6 | 0.4 | 1.1 | 2.3 | 8.5 | 1.0 | 2.5 | 10.5 | 8.9 | 11.1 | 3.5 | 100.0 |
| Total Urban | 242,254 | 3.0 | 28.6 | 0.3 | 38.2 | 2.7 | 0.9 | 0.3 | 3.3 | 0.1 | 0.6 | 3.4 | 6.1 | 11.5 | 1.1 | 100.0 |
| Nairobi | 122,716 | 0.0 | 38.1 | 0.0 | 39.1 | 2.5 | 0.6 | 0.0 | 3.3 | 0.0 | 0.0 | 1.1 | 6.7 | 7.6 | 1.0 | 100.0 |
| Mombasa | 28,503 | 2.2 | 6.7 | 1.1 | 51.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.7 | 2.6 | 7.9 | 21.5 | 2.0 | 100.0 |
| Kisumu | 17,315 | 16.9 | 16.5 | 1.5 | 53.2 | 2.5 | 1.0 | 0.0 | 0.0 | 0.0 | 1.1 | 6.5 | 0.8 | 0.0 | 0.0 | 100.0 |
| Nakuru | 9,854 | 5.8 | 29.4 | 0.0 | 22.4 | 0.0 | 0.0 | 0.0 | 11.8 | 0.0 | 0.0 | 10.7 | 7.8 | 12.1 | 0.0 | 100.0 |
| Other urban | 63,866 | 5.1 | 23.2 | 0.2 | 29.2 | 4.9 | 1.5 | 1.2 | 4.2 | 0.3 | 0.3 | 6.2 | 5.1 | 17.3 | 1.3 | 100.0 |
| Nation | 890,574 | 3.9 | 22.7 | 0.7 | 28.3 | 1.1 | 1.0 | 1.8 | 7.1 | 0.8 | 2.0 | 8.6 | 8.2 | 11.2 | 2.9 | 100.0 |

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Annex 3.5b Distribution of Male School-going age population from Poor households by Reason for not being currently at school (%)

| Region | N | Too old | Got married | Too far | Cannot afford | Got employed | Became an apprentice | Work at home | School Un-interested | Cultural rituals | Illness | Pregnancy | Failed exams | Other | not stated | Total |
|--------------------------|----------------|-------------|-------------|------------|---------------|--------------|----------------------|--------------|----------------------|------------------|------------|------------|--------------|-------------|------------|--------------|
| Central Rural | 90,812 | 0.7 | 2.1 | 0.0 | 25.4 | 0.0 | 4.6 | 0.4 | 21.7 | 0.0 | 0.0 | 0.0 | 11.6 | 31.7 | 1.8 | 100.0 |
| Kiambu | 28,017 | 1.6 | 0.0 | 0.0 | 35.6 | 0.0 | 8.2 | 0.0 | 12.7 | 0.0 | 0.0 | 0.0 | 7.4 | 34.4 | 0.0 | 100.0 |
| Kirinyaga | 14,732 | 0.0 | 0.0 | 0.0 | 11.9 | 0.0 | 2.7 | 2.3 | 52.1 | 0.0 | 0.0 | 0.0 | 4.6 | 26.4 | 0.0 | 100.0 |
| Muranga | 26,184 | 0.0 | 4.7 | 0.0 | 9.9 | 0.0 | 5.8 | 0.0 | 19.2 | 0.0 | 0.0 | 0.0 | 14.3 | 43.4 | 2.8 | 100.0 |
| Nyandarua | 9,277 | 2.2 | 6.9 | 0.0 | 28.8 | 0.0 | 0.0 | 0.0 | 21.1 | 0.0 | 0.0 | 0.0 | 26.6 | 12.6 | 1.8 | 100.0 |
| Nyeri | 12,603 | 0.0 | 0.0 | 0.0 | 48.0 | 0.0 | 0.0 | 0.0 | 12.1 | 0.0 | 0.0 | 0.0 | 12.2 | 22.0 | 5.7 | 100.0 |
| Coast Rural | 49,371 | 1.9 | 4.0 | 0.2 | 38.5 | 4.7 | 2.2 | 5.9 | 12.6 | 0.0 | 6.9 | 0.0 | 14.4 | 6.2 | 2.5 | 100.0 |
| Kilifi | 27,131 | 2.3 | 1.5 | 0.0 | 39.5 | 3.5 | 2.0 | 8.8 | 15.1 | 0.0 | 11.0 | 0.0 | 12.5 | 3.8 | 0.0 | 100.0 |
| Kwale | 11,240 | 0.0 | 8.7 | 0.0 | 33.6 | 7.3 | 5.0 | 0.0 | 8.8 | 0.0 | 0.0 | 0.0 | 26.2 | 3.9 | 6.5 | 100.0 |
| Lamu | 1,749 | 0.0 | 19.2 | 0.0 | 33.6 | 7.0 | 0.0 | 0.0 | 9.3 | 0.0 | 0.0 | 0.0 | 14.4 | 9.3 | 7.0 | 100.0 |
| Taita Taveta | 8,370 | 3.6 | 2.8 | 1.2 | 40.5 | 3.5 | 0.0 | 6.3 | 10.1 | 0.0 | 5.2 | 0.0 | 6.3 | 15.7 | 4.8 | 100.0 |
| Tana River | 881 | 0.0 | 0.0 | 0.0 | 57.2 | 14.4 | 0.0 | 0.0 | 14.4 | 0.0 | 0.0 | 0.0 | 0.0 | 14.1 | 0.0 | 100.0 |
| Eastern Rural | 145,155 | 3.2 | 1.8 | 1.3 | 38.5 | 0.6 | 2.1 | 8.4 | 15.7 | 0.0 | 2.8 | 0.0 | 6.8 | 11.5 | 7.0 | 100.0 |
| Mbeere | 4,025 | 5.7 | 0.0 | 0.0 | 25.4 | 0.0 | 16.7 | 0.0 | 6.0 | 0.0 | 0.0 | 0.0 | 21.0 | 20.8 | 4.3 | 100.0 |
| Embu | 8,352 | 3.3 | 3.7 | 0.0 | 16.0 | 3.8 | 2.4 | 3.9 | 49.4 | 0.0 | 0.0 | 0.0 | 3.7 | 6.8 | 7.1 | 100.0 |
| Kitui | 24,372 | 5.3 | 1.5 | 2.3 | 38.5 | 1.0 | 2.8 | 3.6 | 18.4 | 0.0 | 4.5 | 0.0 | 11.1 | 9.5 | 1.6 | 100.0 |
| Machakos | 24,721 | 0.0 | 0.0 | 0.0 | 41.3 | 0.0 | 3.0 | 2.2 | 18.5 | 0.0 | 6.3 | 0.0 | 7.3 | 18.6 | 3.0 | 100.0 |
| Meru | 9,369 | 0.0 | 0.0 | 0.0 | 49.4 | 4.0 | 8.6 | 0.0 | 18.8 | 0.0 | 0.0 | 0.0 | 11.1 | 8.0 | 0.0 | 100.0 |
| Makueni | 31,710 | 0.0 | 6.4 | 4.2 | 28.6 | 0.0 | 0.0 | 25.3 | 18.8 | 0.0 | 0.0 | 0.0 | 3.1 | 5.4 | 8.2 | 100.0 |
| Tharaka Nithi | 9,657 | 29.8 | 0.0 | 0.0 | 46.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.2 | 0.0 | 9.2 | 5.3 | 0.0 | 100.0 |
| Nyambene | 32,950 | 0.0 | 0.0 | 0.0 | 47.9 | 0.0 | 0.0 | 7.6 | 5.0 | 0.0 | 1.7 | 0.0 | 4.2 | 16.2 | 17.3 | 100.0 |
| Nyanza Rural | 119,873 | 0.4 | 3.3 | 1.8 | 35.3 | 4.2 | 1.5 | 3.3 | 6.9 | 0.0 | 4.4 | 0.0 | 24.3 | 10.7 | 4.0 | 100.0 |
| Kisii | 19,227 | 0.0 | 2.8 | 0.0 | 21.1 | 4.3 | 1.0 | 0.0 | 6.2 | 0.0 | 0.0 | 0.0 | 53.2 | 5.9 | 5.4 | 100.0 |
| Kisumu | 19,031 | 0.0 | 0.0 | 0.0 | 54.6 | 2.2 | 2.5 | 10.8 | 6.9 | 0.0 | 10.8 | 0.0 | 5.6 | 4.8 | 1.8 | 100.0 |
| Siaya | 22,178 | 0.0 | 1.5 | 0.0 | 40.8 | 0.0 | 0.0 | 2.2 | 10.1 | 0.0 | 11.0 | 0.0 | 19.6 | 11.7 | 3.1 | 100.0 |
| Homa Bay | 18,529 | 2.7 | 11.6 | 0.0 | 35.8 | 0.0 | 0.0 | 0.0 | 15.1 | 0.0 | 0.6 | 0.0 | 27.0 | 0.0 | 7.1 | 100.0 |
| Migori | 20,005 | 0.0 | 0.0 | 10.6 | 36.4 | 10.6 | 0.0 | 7.1 | 3.5 | 0.0 | 3.5 | 0.0 | 23.8 | 4.4 | 0.0 | 100.0 |
| Nyamira | 20,902 | 0.0 | 4.2 | 0.0 | 23.4 | 8.2 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.6 | 35.1 | 6.3 | 100.0 |
| Rift Valley Rural | 151,219 | 3.7 | 5.8 | 0.0 | 34.3 | 5.2 | 1.8 | 2.0 | 17.4 | 1.1 | 2.8 | 0.0 | 10.8 | 9.0 | 6.0 | 100.0 |
| Kajiado | 3,802 | 0.0 | 0.0 | 0.0 | 71.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.5 | 19.0 | 0.0 | 100.0 |
| Kericho | 21,874 | 11.3 | 0.0 | 0.0 | 4.9 | 2.6 | 3.2 | 0.0 | 23.5 | 0.0 | 5.2 | 0.0 | 11.8 | 18.5 | 19.2 | 100.0 |
| Laikipia | 4,283 | 3.8 | 0.0 | 0.0 | 52.6 | 0.0 | 0.0 | 0.0 | 9.1 | 5.3 | 0.0 | 0.0 | 7.1 | 22.1 | 0.0 | 100.0 |
| Nakuru | 29,023 | 9.5 | 0.0 | 0.0 | 45.2 | 5.6 | 3.2 | 0.0 | 18.8 | 0.0 | 2.0 | 0.0 | 12.5 | 3.2 | 0.0 | 100.0 |
| Nandi | 21,252 | 0.0 | 0.0 | 0.0 | 41.0 | 7.5 | 0.0 | 4.6 | 19.8 | 4.3 | 0.0 | 0.0 | 10.9 | 11.9 | 0.0 | 100.0 |
| Narok | 5,674 | 0.0 | 5.2 | 0.0 | 35.9 | 0.0 | 5.2 | 0.0 | 14.1 | 0.0 | 20.2 | 0.0 | 7.0 | 7.8 | 4.5 | 100.0 |
| Bomet | 18,024 | 0.0 | 14.3 | 0.0 | 36.4 | 16.4 | 0.0 | 0.0 | 16.6 | 0.0 | 0.0 | 0.0 | 9.2 | 0.0 | 7.2 | 100.0 |
| Transmara | 5,397 | 0.0 | 21.5 | 0.0 | 20.1 | 0.0 | 0.0 | 25.1 | 23.3 | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Baringo | 3,216 | 0.0 | 17.5 | 0.0 | 36.3 | 0.0 | 0.0 | 0.0 | 26.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.7 | 100.0 |
| Elgeyo-Marakwet | 6,999 | 0.0 | 15.0 | 0.0 | 12.9 | 0.0 | 0.0 | 0.0 | 15.8 | 0.0 | 0.0 | 0.0 | 23.3 | 11.1 | 21.8 | 100.0 |
| Trans Nzoia | 17,154 | 1.6 | 9.1 | 0.0 | 47.0 | 0.0 | 4.7 | 0.9 | 8.9 | 0.0 | 4.8 | 0.0 | 14.5 | 3.6 | 4.8 | 100.0 |
| Uasin Gishu | 7,623 | 0.0 | 9.1 | 0.0 | 23.9 | 11.1 | 0.0 | 6.5 | 5.4 | 0.0 | 0.0 | 0.0 | 13.3 | 26.4 | 4.6 | 100.0 |
| West Pokot | 6,896 | 0.0 | 13.4 | 0.0 | 33.9 | 4.0 | 0.0 | 0.0 | 32.6 | 0.0 | 7.5 | 0.0 | 0.0 | 8.7 | 0.0 | 100.0 |
| Western Rural | 100,457 | 1.2 | 3.6 | 1.8 | 33.2 | 0.0 | 1.2 | 0.4 | 16.1 | 0.0 | 2.9 | 0.0 | 5.3 | 25.0 | 9.4 | 100.0 |
| Bungoma | 21,689 | 2.9 | 0.0 | 1.1 | 41.2 | 0.0 | 2.8 | 1.9 | 10.8 | 0.0 | 6.4 | 0.0 | 2.6 | 20.2 | 10.0 | 100.0 |
| Busia | 9,216 | 5.7 | 10.9 | 0.0 | 23.4 | 0.0 | 6.0 | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 27.0 | 24.4 | 0.0 | 100.0 |
| Kakamega | 49,306 | 0.0 | 5.3 | 0.0 | 43.3 | 0.0 | 0.0 | 0.0 | 15.1 | 0.0 | 0.0 | 0.0 | 2.4 | 20.6 | 13.2 | 100.0 |
| Vihiga | 20,246 | 0.0 | 0.0 | 7.8 | 4.1 | 0.0 | 0.0 | 0.0 | 30.6 | 0.0 | 7.4 | 0.0 | 5.4 | 41.2 | 3.5 | 100.0 |
| Total Rural | 656,887 | 2.1 | 3.5 | 0.9 | 34.3 | 2.5 | 2.1 | 3.5 | 15.2 | 0.3 | 3.0 | 0.0 | 11.9 | 15.2 | 5.5 | 100.0 |
| Total Urban | 194,282 | 14.0 | 3.2 | 0.5 | 29.2 | 10.8 | 1.7 | 0.8 | 5.2 | 0.1 | 0.9 | 0.0 | 3.8 | 28.4 | 1.5 | 100.0 |
| Nairobi | 128,861 | 18.0 | 0.0 | 0.0 | 25.1 | 10.7 | 1.5 | 1.2 | 2.6 | 0.0 | 0.8 | 0.0 | 2.1 | 37.4 | 0.7 | 100.0 |
| Mombasa | 13,598 | 2.3 | 9.1 | 6.9 | 49.3 | 0.0 | 0.0 | 0.0 | 7.4 | 0.0 | 0.0 | 0.0 | 12.4 | 12.6 | 0.0 | 100.0 |
| Kisumu | 11,703 | 18.4 | 4.3 | 0.0 | 34.1 | 16.9 | 0.0 | 0.0 | 9.8 | 0.0 | 5.2 | 0.0 | 0.0 | 9.2 | 2.1 | 100.0 |
| Nakuru | 9,977 | 8.3 | 0.0 | 0.0 | 30.0 | 13.0 | 6.0 | 0.0 | 9.8 | 0.0 | 0.0 | 0.0 | 12.2 | 12.2 | 8.3 | 100.0 |
| Other urban | 30,143 | 2.6 | 14.6 | 0.0 | 35.8 | 13.2 | 2.7 | 0.0 | 11.9 | 0.6 | 0.0 | 0.0 | 5.5 | 10.2 | 2.9 | 100.0 |
| Nation | 851,169 | 4.8 | 3.4 | 0.8 | 33.2 | 4.4 | 2.0 | 2.9 | 12.9 | 0.2 | 2.5 | 0.0 | 10.1 | 18.3 | 4.6 | 100.0 |

Annex 3.6a Distribution of female School-going age population from Non-Poor households by Reason for not being currently at school (%)

| Region | N | Too old | Got married | Too far | Cannot afford | Got employed | Became an apprentice | Work at home | School Un-interesting | Cultural rituals | Illness | Pregnancy | Failed exams | Other | not stated | Total |
|--------------------------|----------------|-------------|-------------|------------|---------------|--------------|----------------------|--------------|-----------------------|------------------|------------|-------------|--------------|-------------|------------|--------------|
| Central Rural | 178,642 | 7.5 | 13.8 | 0.0 | 11.6 | 4.0 | 1.8 | 0.4 | 9.5 | 0.5 | 1.0 | 4.2 | 13.7 | 28.3 | 3.7 | 100.0 |
| Kiambu | 53,240 | 10.1 | 9.9 | 0.0 | 11.3 | 4.3 | 3.3 | 1.5 | 5.5 | 1.7 | 2.4 | 2.6 | 9.3 | 29.5 | 8.6 | 100.0 |
| Kirinyaga | 22,189 | 0.0 | 15.7 | 0.0 | 16.1 | 3.1 | 1.5 | 0.0 | 15.7 | 0.0 | 0.0 | 6.6 | 16.6 | 22.9 | 2.0 | 100.0 |
| Muranga | 47,107 | 0.0 | 3.8 | 0.0 | 14.8 | 1.5 | 0.0 | 0.0 | 13.6 | 0.0 | 0.0 | 7.0 | 15.1 | 41.6 | 2.6 | 100.0 |
| Nyandarua | 25,718 | 15.5 | 39.3 | 0.0 | 5.6 | 0.0 | 0.0 | 0.0 | 8.5 | 0.0 | 1.7 | 2.4 | 12.8 | 14.3 | 0.0 | 100.0 |
| Nyeri | 30,389 | 13.1 | 12.9 | 0.0 | 9.0 | 11.5 | 3.7 | 0.0 | 6.2 | 0.0 | 0.0 | 2.6 | 18.1 | 21.7 | 1.1 | 100.0 |
| Coast Rural | 34,045 | 3.5 | 29.5 | 0.0 | 26.9 | 4.0 | 1.8 | 3.7 | 8.3 | 0.7 | 3.1 | 2.1 | 13.1 | 1.1 | 2.1 | 100.0 |
| Kilifi | 13,745 | 0.0 | 31.5 | 0.0 | 26.8 | 5.2 | 0.0 | 3.3 | 14.3 | 0.0 | 7.7 | 0.0 | 8.9 | 0.0 | 2.2 | 100.0 |
| Kwale | 10,208 | 11.7 | 20.1 | 0.0 | 31.4 | 4.8 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.3 | 3.7 | 0.0 | 100.0 |
| Lamu | 4,194 | 0.0 | 37.1 | 0.0 | 9.7 | 1.6 | 0.0 | 2.9 | 6.2 | 5.5 | 0.0 | 17.2 | 17.6 | 0.0 | 2.1 | 100.0 |
| Taita Taveta | 5,155 | 0.0 | 31.7 | 0.0 | 36.3 | 1.9 | 3.8 | 12.9 | 6.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 100.0 |
| Tana River | 743 | 0.0 | 65.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 108,116 | 10.0 | 20.9 | 0.0 | 20.5 | 0.4 | 1.2 | 0.6 | 11.9 | 0.0 | 1.2 | 6.7 | 5.7 | 18.5 | 2.4 | 100.0 |
| Mbeere | 6,888 | 0.0 | 15.0 | 0.0 | 16.5 | 0.0 | 4.9 | 0.0 | 5.7 | 0.0 | 0.0 | 0.0 | 5.2 | 52.6 | 0.0 | 100.0 |
| Embu | 4,242 | 6.4 | 20.3 | 0.0 | 0.0 | 6.4 | 0.0 | 0.0 | 40.9 | 0.0 | 0.0 | 0.0 | 6.5 | 12.9 | 6.5 | 100.0 |
| Kitui | 14,817 | 7.7 | 26.2 | 0.0 | 19.1 | 1.2 | 0.0 | 1.7 | 9.9 | 0.0 | 1.3 | 20.7 | 3.2 | 6.4 | 2.6 | 100.0 |
| Machakos | 15,718 | 0.0 | 17.1 | 0.0 | 38.2 | 0.0 | 2.8 | 0.0 | 10.6 | 0.0 | 4.3 | 3.9 | 4.2 | 14.2 | 4.7 | 100.0 |
| Meru | 11,139 | 0.0 | 19.2 | 0.0 | 27.9 | 0.0 | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.9 | 25.8 | 0.0 | 100.0 |
| Makueni | 10,629 | 0.0 | 37.6 | 0.0 | 9.9 | 0.0 | 0.0 | 4.1 | 6.0 | 0.0 | 0.0 | 8.9 | 13.1 | 20.3 | 0.0 | 100.0 |
| Tharaka Nithi | 11,364 | 77.5 | 7.5 | 0.0 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 4.0 | 0.0 | 0.0 | 100.0 |
| Nyambene | 33,318 | 1.9 | 21.4 | 0.0 | 21.4 | 0.0 | 0.0 | 0.0 | 21.0 | 0.0 | 0.0 | 7.8 | 0.0 | 22.9 | 3.6 | 100.0 |
| Nyanza Rural | 98,698 | 4.7 | 43.8 | 0.0 | 13.0 | 0.4 | 1.0 | 0.0 | 0.3 | 0.0 | 3.4 | 11.8 | 4.5 | 7.6 | 9.5 | 100.0 |
| Kisii | 16,542 | 0.0 | 64.7 | 0.0 | 4.7 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 4.9 | 12.2 | 6.6 | 2.2 | 3.4 | 100.0 |
| Kisumu | 8,918 | 4.2 | 49.4 | 0.0 | 8.8 | 0.0 | 8.8 | 0.0 | 0.0 | 0.0 | 0.0 | 23.5 | 2.5 | 0.0 | 2.8 | 100.0 |
| Siaya | 15,202 | 0.0 | 35.2 | 0.0 | 26.6 | 2.4 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | 5.9 | 8.3 | 7.9 | 11.7 | 100.0 |
| Homa Bay | 6,444 | 22.9 | 32.0 | 0.0 | 6.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 12.0 | 7.9 | 12.0 | 100.0 |
| Migori | 29,530 | 9.6 | 44.1 | 0.0 | 16.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.6 | 16.9 | 2.3 | 2.3 | 0.0 | 100.0 |
| Nyamira | 22,062 | 0.0 | 34.6 | 0.0 | 9.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 1.6 | 21.6 | 27.3 | 100.0 |
| Rift Valley Rural | 164,556 | 6.4 | 33.8 | 0.9 | 12.5 | 1.9 | 1.4 | 2.1 | 4.2 | 0.3 | 1.3 | 11.6 | 7.3 | 11.2 | 5.1 | 100.0 |
| Kajiado | 10,260 | 4.3 | 32.3 | 0.0 | 6.6 | 0.0 | 7.7 | 0.0 | 20.9 | 4.6 | 0.0 | 0.0 | 23.7 | 0.0 | 0.0 | 100.0 |
| Kericho | 17,783 | 20.9 | 27.0 | 0.0 | 10.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 7.8 | 5.4 | 19.2 | 7.7 | 100.0 |
| Laikipia | 13,702 | 7.3 | 19.0 | 0.0 | 12.4 | 0.0 | 2.4 | 0.0 | 6.3 | 0.0 | 3.5 | 1.9 | 7.3 | 35.9 | 4.1 | 100.0 |
| Nakuru | 27,712 | 13.0 | 7.4 | 2.5 | 21.5 | 0.4 | 2.6 | 0.0 | 5.7 | 0.0 | 2.5 | 28.1 | 9.7 | 6.6 | 0.0 | 100.0 |
| Nandi | 14,606 | 0.0 | 27.9 | 0.0 | 20.2 | 5.5 | 0.0 | 2.2 | 11.0 | 0.0 | 0.0 | 28.0 | 0.0 | 4.1 | 1.1 | 100.0 |
| Narok | 4,592 | 0.0 | 40.0 | 0.0 | 0.0 | 8.0 | 0.0 | 32.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.1 | 6.5 | 100.0 |
| Boinet | 15,274 | 0.0 | 48.5 | 0.0 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | 13.8 | 8.3 | 15.5 | 100.0 |
| Transmara | 5,915 | 0.0 | 73.7 | 8.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.2 | 8.6 | 0.0 | 100.0 |
| Baringo | 14,413 | 2.5 | 58.2 | 0.0 | 1.8 | 2.1 | 0.0 | 1.6 | 1.8 | 0.0 | 4.8 | 9.7 | 4.4 | 9.0 | 4.0 | 100.0 |
| Elgeyo-Marakwet | 8,318 | 5.4 | 54.1 | 0.0 | 3.9 | 2.5 | 5.5 | 0.0 | 0.0 | 0.0 | 3.9 | 0.0 | 6.8 | 12.2 | 5.7 | 100.0 |
| Trans Nzoia | 11,569 | 2.4 | 30.5 | 0.0 | 26.7 | 0.0 | 0.0 | 6.1 | 0.7 | 0.0 | 0.0 | 5.8 | 9.5 | 5.8 | 12.6 | 100.0 |
| Uasin Gishu | 15,551 | 2.1 | 52.0 | 1.3 | 9.4 | 0.9 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 10.7 | 0.0 | 14.2 | 7.2 | 100.0 |
| West Pokot | 4,861 | 6.1 | 13.0 | 0.0 | 34.7 | 25.7 | 0.0 | 6.1 | 0.0 | 0.0 | 0.0 | 10.5 | 0.0 | 3.8 | 0.0 | 100.0 |
| Western Rural | 98,188 | 5.9 | 30.7 | 0.0 | 23.0 | 1.0 | 1.2 | 0.4 | 2.0 | 0.0 | 0.5 | 6.2 | 1.3 | 24.6 | 3.2 | 100.0 |
| Bungoma | 23,279 | 8.5 | 24.6 | 0.0 | 28.4 | 0.0 | 0.0 | 1.7 | 2.3 | 0.0 | 2.3 | 10.2 | 1.5 | 12.4 | 7.9 | 100.0 |
| Busia | 12,048 | 12.2 | 43.5 | 0.0 | 18.7 | 0.0 | 0.0 | 0.0 | 4.6 | 0.0 | 0.0 | 5.9 | 0.0 | 11.7 | 3.4 | 100.0 |
| Kakamega | 40,756 | 2.4 | 31.8 | 0.0 | 18.2 | 2.4 | 3.0 | 0.0 | 2.1 | 0.0 | 0.0 | 2.3 | 2.2 | 33.4 | 2.1 | 100.0 |
| Vihiga | 22,106 | 6.0 | 28.0 | 0.0 | 28.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | 0.0 | 28.5 | 0.0 | 100.0 |
| Total Rural | 682,245 | 6.8 | 27.3 | 0.2 | 15.8 | 2.0 | 1.4 | 1.0 | 6.1 | 0.2 | 1.5 | 7.7 | 7.7 | 17.8 | 4.5 | 100.0 |
| Total Urban | 215,121 | 6.6 | 15.0 | 1.3 | 28.2 | 7.9 | 0.6 | 0.9 | 1.5 | 0.0 | 0.5 | 6.3 | 4.6 | 20.7 | 5.9 | 100.0 |
| Nairobi | 95,785 | 3.8 | 11.5 | 2.6 | 29.6 | 7.9 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 | 4.7 | 19.6 | 10.9 | 100.0 |
| Mombasa | 37,375 | 20.4 | 18.8 | 0.0 | 6.9 | 4.1 | 0.0 | 0.0 | 1.6 | 0.0 | 1.5 | 1.5 | 5.1 | 40.1 | 0.0 | 100.0 |
| Kisumu | 9,734 | 11.4 | 11.2 | 0.0 | 42.2 | 8.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 7.0 | 1.4 | 14.1 | 2.4 | 100.0 |
| Nakuru | 16,415 | 3.9 | 26.3 | 0.0 | 36.6 | 14.7 | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 | 10.7 | 0.0 | 2.5 | 0.0 | 100.0 |
| Other urban | 55,812 | 2.1 | 15.9 | 0.7 | 35.3 | 8.3 | 0.0 | 3.5 | 3.0 | 0.0 | 0.6 | 4.8 | 5.8 | 16.3 | 3.7 | 100.0 |
| Nation | 618,620 | 4.6 | 3.7 | 0.4 | 26.1 | 8.3 | 2.6 | 2.1 | 11.8 | 0.6 | 1.3 | 0.0 | 9.1 | 23.4 | 5.9 | 100.0 |

Annex 3.6b: Distribution of male School-going age population from Non-Poor households by Region, and Reason for not being currently at school

| Region | N | Too old | Got married | Too far | Cannot afford | Got employe d | Became an aprentice | Work at home | School Un- interestin g | Cultural rituals | Illness | Pregnanc y | Failed exams | Other | not stated | Total |
|--------------------------|----------------|------------|----------------|------------|------------------|---------------------|---------------------------|-----------------|----------------------------------|---------------------|------------|---------------|-----------------|-------------|---------------|--------------|
| Central Rural | 145,338 | 4.6 | 4.2 | 0.0 | 16.3 | 4.8 | 1.7 | 1.2 | 17.1 | 0.3 | 1.2 | 0.0 | 11.0 | 35.1 | 2.5 | 100.0 |
| Kiambu | 43,075 | 3.4 | 2.7 | 0.0 | 19.1 | 6.8 | 0.0 | 3.4 | 15.6 | 1.1 | 0.0 | 0.0 | 5.0 | 40.1 | 2.8 | 100.0 |
| Kirinyaga | 19,777 | 1.3 | 8.1 | 0.0 | 26.4 | 2.9 | 0.0 | 0.0 | 21.4 | 0.0 | 2.2 | 0.0 | 12.8 | 22.7 | 2.2 | 100.0 |
| Muranga | 32,277 | 1.8 | 2.0 | 0.0 | 5.5 | 1.6 | 2.0 | 0.0 | 26.2 | 0.0 | 0.0 | 0.0 | 16.7 | 40.3 | 3.8 | 100.0 |
| Nyandarua | 18,675 | 13.9 | 5.0 | 0.0 | 28.1 | 0.0 | 0.0 | 1.1 | 8.0 | 0.0 | 0.0 | 0.0 | 17.7 | 22.1 | 4.1 | 100.0 |
| Nyeri | 31,535 | 5.7 | 5.4 | 0.0 | 10.1 | 9.3 | 5.9 | 0.0 | 12.6 | 0.0 | 4.1 | 0.0 | 8.5 | 38.4 | 0.0 | 100.0 |
| Coast Rural | 25,117 | 1.4 | 9.9 | 0.0 | 27.5 | 11.2 | 2.6 | 1.8 | 19.6 | 0.0 | 0.0 | 0.0 | 16.1 | 6.5 | 3.4 | 100.0 |
| Kilifi | 6,088 | 0.0 | 28.4 | 0.0 | 51.3 | 4.1 | 0.0 | 0.0 | 7.5 | 0.0 | 0.0 | 0.0 | 8.7 | 0.0 | 0.0 | 100.0 |
| Kwale | 11,994 | 0.0 | 5.5 | 0.0 | 10.6 | 16.0 | 4.7 | 0.0 | 25.1 | 0.0 | 0.0 | 0.0 | 20.7 | 10.3 | 7.1 | 100.0 |
| Lamu | 2,257 | 0.0 | 4.8 | 0.0 | 20.5 | 11.5 | 0.0 | 9.4 | 19.5 | 0.0 | 0.0 | 0.0 | 29.4 | 4.8 | 0.0 | 100.0 |
| Taita Taveta | 4,337 | 7.8 | 0.0 | 0.0 | 47.2 | 9.1 | 2.3 | 2.3 | 16.6 | 0.0 | 0.0 | 0.0 | 8.3 | 6.4 | 0.0 | 100.0 |
| Tana River | 441 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.9 | 67.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 78,389 | 5.8 | 2.5 | 0.6 | 21.9 | 7.4 | 5.3 | 0.8 | 20.2 | 3.4 | 0.5 | 0.0 | 7.3 | 20.6 | 3.6 | 100.0 |
| Mbeere | 4,976 | 7.9 | 0.0 | 10.2 | 18.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 0.0 | 0.0 | 0.0 | 55.9 | 0.0 | 100.0 |
| Embu | 4,778 | 0.0 | 0.0 | 0.0 | 12.5 | 4.1 | 0.0 | 0.0 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 38.4 | 0.0 | 100.0 |
| Kitui | 11,204 | 0.0 | 6.9 | 0.0 | 34.3 | 15.0 | 0.0 | 0.0 | 12.2 | 0.0 | 0.0 | 0.0 | 10.7 | 17.7 | 3.1 | 100.0 |
| Machakos | 10,767 | 0.0 | 0.0 | 0.0 | 10.2 | 17.1 | 0.0 | 0.0 | 5.0 | 0.0 | 0.0 | 0.0 | 30.3 | 20.2 | 17.1 | 100.0 |
| Meru | 8,336 | 0.0 | 0.0 | 0.0 | 13.0 | 5.7 | 23.0 | 0.0 | 5.7 | 0.0 | 0.0 | 0.0 | 7.7 | 44.9 | 0.0 | 100.0 |
| Makueni | 7,526 | 0.0 | 5.9 | 0.0 | 56.5 | 14.4 | 0.0 | 0.0 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 8.5 | 100.0 |
| Tharaka Nithi | 6,567 | 63.6 | 0.0 | 0.0 | 13.7 | 0.0 | 0.0 | 9.7 | 0.0 | 0.0 | 6.1 | 0.0 | 0.0 | 6.9 | 0.0 | 100.0 |
| Nyambene | 24,236 | 0.0 | 3.0 | 0.0 | 18.6 | 2.0 | 9.4 | 0.0 | 43.9 | 9.2 | 0.0 | 0.0 | 2.6 | 11.2 | 0.0 | 100.0 |
| Nyanza Rural | 57,604 | 0.5 | 9.0 | 1.5 | 21.0 | 7.8 | 1.8 | 1.2 | 16.7 | 0.0 | 2.0 | 0.0 | 13.4 | 21.1 | 4.0 | 100.0 |
| Kisii | 8,813 | 0.0 | 14.7 | 0.0 | 12.3 | 6.9 | 0.0 | 2.8 | 18.9 | 0.0 | 2.2 | 0.0 | 32.1 | 2.1 | 8.1 | 100.0 |
| Kisumu | 7,164 | 0.0 | 0.0 | 0.0 | 37.0 | 6.6 | 0.0 | 6.2 | 15.2 | 0.0 | 3.4 | 0.0 | 13.3 | 8.5 | 9.7 | 100.0 |
| Siaya | 9,426 | 3.3 | 5.0 | 0.0 | 20.9 | 9.5 | 10.8 | 0.0 | 19.3 | 0.0 | 0.0 | 0.0 | 11.4 | 16.7 | 3.1 | 100.0 |
| Homa Bay | 4,340 | 0.0 | 0.0 | 0.0 | 13.3 | 0.0 | 0.0 | 0.0 | 29.9 | 0.0 | 0.0 | 0.0 | 15.1 | 41.7 | 0.0 | 100.0 |
| Migori | 16,927 | 0.0 | 5.1 | 5.1 | 27.7 | 14.9 | 0.0 | 0.0 | 22.0 | 0.0 | 4.1 | 0.0 | 9.5 | 11.5 | 0.0 | 100.0 |
| Nyamira | 10,934 | 0.0 | 23.5 | 0.0 | 10.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 55.2 | 5.5 | 100.0 |
| Rift Valley Rural | 126,520 | 5.8 | 3.4 | 0.6 | 33.3 | 8.3 | 1.1 | 7.4 | 10.8 | 0.4 | 1.9 | 0.0 | 8.6 | 14.0 | 4.6 | 100.0 |
| Kajiado | 8,771 | 0.0 | 0.0 | 5.0 | 16.0 | 10.6 | 0.0 | 3.6 | 22.7 | 0.0 | 0.0 | 0.0 | 15.3 | 3.0 | 23.7 | 100.0 |
| Kericho | 11,448 | 37.0 | 0.0 | 0.0 | 35.0 | 5.5 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 16.0 | 100.0 |
| Laikipia | 6,190 | 7.7 | 0.0 | 0.0 | 19.8 | 7.7 | 0.0 | 0.0 | 13.6 | 0.0 | 0.0 | 0.0 | 20.5 | 30.7 | 0.0 | 100.0 |
| Nakuru | 32,880 | 4.6 | 0.0 | 0.0 | 51.4 | 5.1 | 0.0 | 5.8 | 11.4 | 0.0 | 4.5 | 0.0 | 7.5 | 9.0 | 0.7 | 100.0 |
| Nandi | 13,413 | 0.0 | 0.0 | 0.0 | 42.3 | 5.0 | 0.0 | 2.1 | 18.6 | 0.0 | 2.9 | 0.0 | 2.6 | 25.3 | 1.2 | 100.0 |
| Narok | 4,805 | 0.0 | 0.0 | 0.0 | 34.5 | 15.4 | 0.0 | 36.3 | 0.0 | 4.6 | 0.0 | 0.0 | 0.0 | 9.3 | 0.0 | 100.0 |
| Bomet | 7,922 | 0.0 | 12.5 | 0.0 | 9.2 | 0.0 | 3.5 | 12.3 | 12.3 | 0.0 | 0.0 | 0.0 | 30.0 | 10.8 | 9.2 | 100.0 |
| Transmara | 3,203 | 0.0 | 42.9 | 0.0 | 0.0 | 31.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25.5 | 0.0 | 100.0 |
| Baringo | 8,542 | 4.3 | 14.2 | 0.0 | 13.8 | 31.5 | 7.2 | 10.8 | 5.9 | 0.0 | 0.0 | 0.0 | 7.5 | 2.6 | 2.2 | 100.0 |
| Elgeyo-Marakwet | 3,886 | 0.0 | 11.9 | 0.0 | 13.7 | 10.0 | 5.4 | 24.8 | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 | 14.1 | 10.0 | 100.0 |
| Trans Nzoia | 9,799 | 0.0 | 0.0 | 3.2 | 51.4 | 4.6 | 0.0 | 5.7 | 6.2 | 2.6 | 2.9 | 0.0 | 8.6 | 13.3 | 1.5 | 100.0 |
| Uasin Gishu | 11,019 | 6.7 | 2.8 | 0.0 | 19.0 | 1.8 | 2.2 | 0.0 | 18.8 | 0.0 | 1.8 | 0.0 | 8.2 | 38.6 | 0.0 | 100.0 |
| West Pokot | 4,641 | 0.0 | 0.0 | 0.0 | 35.5 | 13.0 | 0.0 | 36.3 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 9.4 | 0.0 | 100.0 |
| Western Rural | 40,183 | 2.9 | 5.2 | 0.5 | 35.2 | 1.3 | 1.4 | 0.0 | 2.8 | 0.0 | 6.3 | 0.0 | 0.0 | 42.3 | 2.0 | 100.0 |
| Bungoma | 13,402 | 2.5 | 8.6 | 1.6 | 27.3 | 0.0 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 48.6 | 6.0 | 100.0 |
| Busia | 4,202 | 19.7 | 5.7 | 0.0 | 38.7 | 12.5 | 13.7 | 0.0 | 9.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kakamega | 19,792 | 0.0 | 0.0 | 0.0 | 41.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.9 | 0.0 | 0.0 | 45.9 | 0.0 | 100.0 |
| Vihiga | 2,787 | 0.0 | 24.4 | 0.0 | 24.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51.3 | 0.0 | 100.0 |
| Total Rural | 473,151 | 4.3 | 4.7 | 0.5 | 24.5 | 6.6 | 2.2 | 2.7 | 14.8 | 0.8 | 1.7 | 0.0 | 9.4 | 24.5 | 3.4 | 100.0 |
| Total Urban | 145,469 | 5.4 | 0.5 | 0.3 | 31.2 | 14.1 | 4.2 | 0.1 | 1.8 | 0.0 | 0.1 | 0.0 | 8.3 | 20.1 | 14.0 | 100.0 |
| Nairobi | 79,022 | 2.8 | 0.0 | 0.0 | 29.7 | 13.1 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.6 | 19.2 | 18.8 | 100.0 |
| Mombasa | 24,422 | 7.1 | 1.3 | 0.0 | 27.4 | 7.5 | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 2.7 | 37.5 | 14.0 | 100.0 |
| Kisumu | 5,536 | 22.1 | 0.0 | 0.0 | 45.6 | 15.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.4 | 7.7 | 0.0 | 100.0 |
| Nakuru | 7,990 | 21.2 | 0.0 | 5.2 | 22.5 | 35.7 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 5.2 | 2.2 | 100.0 |
| Other urban | 28,499 | 3.5 | 1.4 | 0.0 | 38.5 | 16.1 | 4.5 | 0.7 | 7.3 | 0.0 | 0.3 | 0.0 | 7.1 | 13.9 | 6.8 | 100.0 |
| Nation | 618,620 | 4.6 | 3.7 | 0.4 | 26.1 | 8.3 | 2.6 | 2.1 | 11.8 | 0.6 | 1.3 | 0.0 | 9.1 | 23.4 | 5.9 | 100.0 |

Annex 3.7 Gross and Net Enrolment rates by Level of education and poverty

| Region | Gross Enrolment | | | | | | Net Enrolment | | | | | |
|--------------------------|-----------------|-------------|------------|--------------|-------------|------------|---------------|-------------|------------|-------------|-------------|------------|
| | Poor | | | Non-Poor | | | Poor | | | Non-Poor | | |
| | primary | secondary | higher | primary | secondary | higher | primary | secondary | higher | primary | secondary | higher |
| Central Rural | 102.6 | 15.8 | 0.5 | 100.0 | 33.7 | 2.8 | 81.8 | 12.5 | 0.5 | 87.0 | 29.0 | 1.8 |
| Kiambu | 95.8 | 20.0 | 0.0 | 97.6 | 48.3 | 4.2 | 73.5 | 15.5 | 0.0 | 86.3 | 39.8 | 3.4 |
| Kirinyaga | 107.8 | 6.3 | 0.0 | 106.9 | 18.6 | 6.1 | 84.6 | 3.9 | 0.0 | 85.6 | 17.8 | 3.0 |
| Muranga | 105.6 | 19.9 | 1.6 | 101.4 | 30.8 | 3.4 | 85.8 | 15.6 | 1.6 | 88.9 | 26.8 | 1.5 |
| Nyandarua | 100.5 | 4.9 | 0.0 | 101.4 | 21.3 | 0.0 | 80.3 | 3.8 | 0.0 | 85.5 | 18.6 | 0.0 |
| Nyeri | 103.8 | 15.4 | 0.0 | 97.3 | 29.4 | 0.0 | 84.5 | 13.3 | 0.0 | 87.2 | 27.0 | 0.0 |
| Coast Rural | 67.0 | 8.4 | 1.2 | 87.6 | 14.2 | 0.7 | 53.5 | 6.9 | 1.0 | 74.3 | 11.8 | 0.0 |
| Kilifi | 61.7 | 6.6 | 0.0 | 88.3 | 13.2 | 2.3 | 47.7 | 6.0 | 0.0 | 76.1 | 11.0 | 0.0 |
| Kwale | 60.6 | 4.7 | 2.9 | 90.3 | 1.9 | 0.0 | 50.3 | 4.7 | 2.9 | 73.7 | 1.9 | 0.0 |
| Lamu | 67.6 | 4.7 | 4.1 | 95.6 | 18.2 | 0.0 | 57.1 | 3.2 | 0.0 | 88.5 | 12.7 | 0.0 |
| Taita Taveta | 101.2 | 18.7 | 0.0 | 99.6 | 39.3 | 0.0 | 81.3 | 11.7 | 0.0 | 86.6 | 37.5 | 0.0 |
| Tana River | 59.9 | 19.5 | 0.0 | 45.6 | 18.6 | 0.0 | 40.3 | 19.5 | 0.0 | 34.6 | 4.7 | 0.0 |
| Eastern Rural | 97.9 | 12.6 | 0.9 | 93.7 | 20.4 | 3.7 | 72.8 | 10.6 | 0.6 | 76.6 | 18.4 | 2.6 |
| Mbeere | 119.7 | 15.6 | 0.0 | 99.1 | 22.0 | 0.0 | 89.0 | 15.6 | 0.0 | 79.6 | 19.6 | 0.0 |
| Embu | 107.9 | 7.1 | 2.5 | 99.9 | 44.3 | 9.1 | 90.4 | 7.1 | 2.5 | 88.4 | 33.7 | 5.6 |
| Kitui | 89.6 | 9.1 | 4.3 | 91.7 | 18.5 | 3.1 | 65.1 | 6.6 | 2.7 | 73.5 | 17.3 | 0.0 |
| Machakos | 97.0 | 17.8 | 0.0 | 97.8 | 22.2 | 11.1 | 74.2 | 15.1 | 0.0 | 77.8 | 21.1 | 7.1 |
| Meru | 104.2 | 35.8 | 0.0 | 108.6 | 47.0 | 8.4 | 81.4 | 27.9 | 0.0 | 86.6 | 41.2 | 8.4 |
| Makueni | 108.2 | 6.7 | 0.0 | 95.9 | 8.5 | 0.0 | 78.9 | 6.7 | 0.0 | 84.7 | 8.5 | 0.0 |
| Tharaka Nithi | 98.9 | 18.7 | 0.0 | 88.8 | 24.8 | 0.0 | 79.9 | 15.1 | 0.0 | 77.3 | 20.4 | 0.0 |
| Nyambene | 88.3 | 5.5 | 0.0 | 84.2 | 6.3 | 0.0 | 59.1 | 4.4 | 0.0 | 67.6 | 6.3 | 0.0 |
| Nyanza Rural | 94.9 | 22.4 | 2.1 | 90.9 | 38.7 | 0.5 | 73.7 | 19.7 | 0.0 | 75.4 | 30.2 | 0.1 |
| Kisii | 97.5 | 37.9 | 0.0 | 106.2 | 59.4 | 0.6 | 74.6 | 26.2 | 0.0 | 86.4 | 43.3 | 0.6 |
| Kisumu | 104.4 | 13.5 | 0.6 | 106.9 | 26.1 | 3.9 | 81.8 | 13.5 | 0.0 | 90.0 | 18.2 | 0.0 |
| Siaya | 97.8 | 16.1 | 2.5 | 92.0 | 19.4 | 0.0 | 79.0 | 15.3 | 0.0 | 77.7 | 14.3 | 0.0 |
| Homa Bay | 105.4 | 3.7 | 0.0 | 95.0 | 35.6 | 0.0 | 82.1 | 3.7 | 0.0 | 73.4 | 23.7 | 0.0 |
| Migori | 94.4 | 7.9 | 0.0 | 97.0 | 12.4 | 0.0 | 71.9 | 6.7 | 0.0 | 85.0 | 10.3 | 0.0 |
| Nyamira | 82.9 | 36.5 | 9.4 | 54.0 | 56.1 | 0.0 | 63.9 | 34.9 | 0.0 | 40.7 | 49.4 | 0.0 |
| Rift Valley Rural | 93.9 | 11.3 | 0.8 | 93.4 | 29.6 | 2.3 | 73.8 | 9.3 | 0.8 | 78.5 | 24.2 | 0.9 |
| Kajiado | 79.0 | 12.6 | 0.0 | 64.7 | 21.0 | 0.0 | 62.5 | 12.6 | 0.0 | 56.2 | 17.7 | 0.0 |
| Kericho | 100.5 | 7.0 | 0.0 | 99.8 | 35.2 | 4.5 | 84.6 | 5.6 | 0.0 | 86.8 | 30.2 | 0.0 |
| Laikipia | 105.3 | 11.9 | 0.0 | 102.6 | 31.4 | 1.0 | 80.5 | 11.9 | 0.0 | 92.3 | 29.6 | 1.0 |
| Nakuru | 93.2 | 10.5 | 0.0 | 95.7 | 19.2 | 0.0 | 77.0 | 8.9 | 0.0 | 80.3 | 17.8 | 0.0 |
| Nandi | 89.8 | 17.5 | 0.0 | 107.0 | 29.8 | 2.4 | 72.0 | 15.0 | 0.0 | 87.5 | 23.4 | 0.6 |
| Narok | 81.9 | 6.3 | 0.0 | 70.5 | 14.0 | 0.0 | 69.5 | 4.6 | 0.0 | 62.5 | 5.1 | 0.0 |
| Bomet | 104.0 | 14.6 | 3.4 | 104.5 | 60.7 | 5.1 | 81.4 | 12.5 | 3.4 | 87.2 | 41.8 | 0.0 |
| Transmara | 81.4 | 6.7 | 0.0 | 74.0 | 18.5 | 0.0 | 62.2 | 6.7 | 0.0 | 63.5 | 18.5 | 0.0 |
| Baringo | 103.4 | 6.7 | 0.0 | 95.2 | 22.9 | 0.0 | 75.9 | 6.7 | 0.0 | 72.7 | 19.8 | 0.0 |
| Elgeyo-Marakwet | 118.4 | 10.6 | 0.0 | 99.8 | 28.0 | 7.2 | 77.8 | 8.0 | 0.0 | 81.1 | 24.3 | 5.2 |
| Trans Nzoia | 81.5 | 8.0 | 0.0 | 101.1 | 28.8 | 3.6 | 67.7 | 8.0 | 0.0 | 83.0 | 23.0 | 3.6 |
| Uasin Gishu | 98.1 | 14.8 | 1.0 | 100.8 | 34.1 | 3.3 | 70.1 | 9.7 | 0.0 | 84.7 | 28.4 | 1.3 |
| West Pokot | 72.6 | 13.5 | 4.0 | 57.7 | 14.2 | 4.4 | 49.4 | 5.5 | 4.0 | 48.5 | 14.2 | 4.4 |
| Western Rural | 97.0 | 17.8 | 0.0 | 108.5 | 22.1 | 5.7 | 76.0 | 14.1 | 0.0 | 81.7 | 18.2 | 4.2 |
| Bungoma | 103.4 | 23.9 | 0.0 | 114.4 | 31.4 | 1.1 | 75.8 | 14.6 | 0.0 | 84.6 | 21.1 | 1.1 |
| Busia | 87.2 | 4.7 | 0.0 | 107.0 | 14.3 | 3.1 | 63.8 | 1.6 | 0.0 | 79.3 | 14.3 | 0.0 |
| Kakamega | 98.9 | 12.8 | 0.0 | 103.0 | 15.8 | 12.1 | 79.2 | 11.0 | 0.0 | 77.5 | 14.6 | 9.4 |
| Vihiga | 93.3 | 28.3 | 0.0 | 109.5 | 24.6 | 0.0 | 79.2 | 27.2 | 0.0 | 85.7 | 22.8 | 0.0 |
| Total Rural | 94.1 | 15.4 | 1.0 | 96.0 | 28.6 | 2.7 | 73.1 | 12.9 | 0.4 | 79.8 | 23.9 | 1.7 |
| Total Urban | 91.2 | 18.8 | 3.7 | 87.5 | 42.5 | 9.5 | 76.9 | 17.0 | 2.7 | 79.1 | 37.5 | 3.3 |
| Nairobi | 100.9 | 15.8 | 3.5 | 85.3 | 52.5 | 14.7 | 82.9 | 14.0 | 2.3 | 76.6 | 45.5 | 5.6 |
| Mombasa | 71.7 | 18.5 | 0.0 | 92.9 | 42.4 | 1.3 | 62.9 | 17.3 | 0.0 | 81.9 | 35.5 | 0.0 |
| Kisumu | 74.5 | 16.3 | 2.7 | 92.4 | 26.5 | 4.4 | 66.9 | 14.3 | 0.9 | 88.6 | 24.7 | 2.7 |
| Nakuru | 81.7 | 25.8 | 10.7 | 74.6 | 42.9 | 6.7 | 69.1 | 21.3 | 10.7 | 69.7 | 40.5 | 3.4 |
| Other urban | 90.0 | 23.8 | 4.0 | 91.0 | 23.4 | 5.5 | 77.3 | 22.4 | 3.2 | 82.6 | 22.2 | 0.5 |
| Nation | 93.8 | 15.9 | 1.8 | 95.2 | 30.8 | 4.5 | 73.5 | 13.5 | 1.1 | 79.8 | 26.0 | 2.1 |

Annex 3.8a Gross and Net Enrollment rates of poor households by sex and Level of education

| Region | Male Poor | | | | Female Poor | | | |
|--------------------------|-----------------|-------------|---------------|-------------|-----------------|-------------|---------------|-------------|
| | Gross Enrolment | | Net Enrolment | | Gross Enrolment | | Net Enrolment | |
| | primary | secondary | primary | secondary | primary | secondary | primary | secondary |
| Central Rural | 104.8 | 14.7 | 83.1 | 11.8 | 100.5 | 17.1 | 80.6 | 13.2 |
| Kiambu | 101.6 | 19.4 | 78.4 | 15.1 | 90.5 | 20.6 | 69.1 | 15.8 |
| Kirinyaga | 108.6 | 7.8 | 83.3 | 4.0 | 106.9 | 3.7 | 85.9 | 3.7 |
| Muranga | 107.0 | 21.3 | 87.9 | 19.0 | 104.1 | 18.3 | 83.8 | 11.9 |
| Nyandarua | 97.1 | 0.0 | 77.8 | 0.0 | 103.7 | 9.3 | 82.7 | 7.2 |
| Nyeri | 106.7 | 8.1 | 83.6 | 5.7 | 100.9 | 21.3 | 85.6 | 19.4 |
| Coast Rural | 68.5 | 11.1 | 52.9 | 8.8 | 65.4 | 6.0 | 54.0 | 5.1 |
| Kilifi | 68.9 | 8.4 | 49.5 | 7.2 | 54.4 | 4.9 | 45.9 | 4.9 |
| Kwale | 55.9 | 10.5 | 47.2 | 10.5 | 65.8 | 0.0 | 53.8 | 0.0 |
| Lamu | 66.9 | 9.9 | 54.8 | 6.8 | 68.6 | 0.0 | 60.5 | 0.0 |
| Taita Taveta | 104.6 | 17.8 | 82.2 | 9.3 | 97.8 | 19.5 | 80.4 | 14.1 |
| Tana River | 37.5 | 46.4 | 33.2 | 46.4 | 110.5 | 10.0 | 56.3 | 10.0 |
| Eastern Rural | 97.6 | 12.9 | 70.7 | 11.0 | 98.2 | 12.3 | 75.1 | 10.1 |
| Mbeere | 114.1 | 18.8 | 88.8 | 18.8 | 128.0 | 12.4 | 89.3 | 12.4 |
| Embu | 115.2 | 8.9 | 89.8 | 8.9 | 100.8 | 4.7 | 90.9 | 4.7 |
| Kitui | 87.9 | 11.1 | 62.8 | 9.4 | 91.4 | 7.0 | 67.7 | 3.8 |
| Machakos | 101.8 | 18.9 | 70.8 | 18.9 | 92.6 | 16.6 | 77.1 | 10.6 |
| Meru | 96.0 | 39.1 | 82.0 | 21.8 | 117.1 | 33.1 | 80.5 | 33.1 |
| Makueni | 106.0 | 8.2 | 76.1 | 8.2 | 111.3 | 4.8 | 82.9 | 4.8 |
| Tharaka Nithi | 89.6 | 28.3 | 81.9 | 16.2 | 109.0 | 14.6 | 77.6 | 14.6 |
| Nyambene | 88.9 | 0.0 | 55.5 | 0.0 | 87.6 | 12.3 | 63.1 | 9.9 |
| Nyanza Rural | 96.7 | 20.1 | 70.4 | 17.6 | 93.2 | 25.1 | 76.9 | 22.1 |
| Kisii | 99.4 | 28.0 | 72.1 | 15.9 | 95.4 | 47.3 | 77.4 | 36.1 |
| Kisumu | 111.1 | 9.3 | 85.2 | 9.3 | 98.3 | 19.1 | 78.9 | 19.1 |
| Siaya | 92.6 | 19.7 | 73.8 | 18.2 | 102.7 | 11.8 | 83.8 | 11.8 |
| Homa Bay | 112.8 | 5.2 | 83.1 | 5.2 | 96.7 | 2.2 | 81.0 | 2.2 |
| Migori | 100.5 | 10.3 | 67.4 | 10.3 | 89.5 | 3.4 | 75.5 | 0.0 |
| Nyamira | 80.6 | 34.3 | 57.1 | 32.9 | 85.4 | 38.8 | 71.2 | 37.2 |
| Rift Valley Rural | 97.3 | 11.0 | 73.4 | 8.8 | 90.8 | 11.7 | 74.3 | 9.8 |
| Kajiado | 89.8 | 6.2 | 63.6 | 6.2 | 68.1 | 25.8 | 61.4 | 25.8 |
| Kericho | 113.2 | 6.3 | 81.1 | 6.3 | 91.5 | 8.5 | 87.0 | 4.1 |
| Laikipia | 108.5 | 6.3 | 84.4 | 6.3 | 102.1 | 15.5 | 76.5 | 15.5 |
| Nakuru | 93.6 | 4.7 | 75.4 | 4.7 | 92.7 | 17.6 | 78.4 | 14.0 |
| Nandi | 92.2 | 17.1 | 70.7 | 16.4 | 87.4 | 17.8 | 73.3 | 13.5 |
| Narok | 77.4 | 10.2 | 75.5 | 4.3 | 86.4 | 4.7 | 63.6 | 4.7 |
| Bomet | 106.1 | 12.7 | 79.5 | 10.6 | 101.8 | 16.7 | 83.5 | 14.5 |
| Transmara | 91.7 | 7.8 | 64.5 | 7.8 | 73.2 | 5.5 | 60.3 | 5.5 |
| Baringo | 103.3 | 6.2 | 71.0 | 6.2 | 103.6 | 7.6 | 81.3 | 7.6 |
| Elgeyo-Marakwet | 116.6 | 15.3 | 76.1 | 10.6 | 120.3 | 4.7 | 79.6 | 4.7 |
| Trans Nzoia | 80.1 | 9.0 | 65.6 | 9.0 | 82.6 | 7.5 | 69.3 | 7.5 |
| Uasin Gishu | 94.3 | 25.1 | 69.2 | 14.3 | 102.1 | 5.5 | 71.0 | 5.5 |
| West Pokot | 94.3 | 16.2 | 59.5 | 5.5 | 57.2 | 10.1 | 42.2 | 5.4 |
| Western Rural | 95.8 | 24.5 | 75.0 | 18.9 | 98.3 | 10.6 | 77.1 | 9.0 |
| Bungoma | 106.8 | 29.0 | 75.5 | 15.6 | 99.7 | 18.0 | 76.2 | 13.3 |
| Busia | 91.7 | 8.8 | 63.3 | 1.9 | 82.6 | 1.3 | 64.2 | 1.3 |
| Kakamega | 97.7 | 18.3 | 78.1 | 15.2 | 100.2 | 5.5 | 80.5 | 5.5 |
| Vihiga | 83.9 | 42.7 | 76.7 | 42.7 | 104.6 | 16.7 | 82.2 | 14.6 |
| Total Rural | 95.4 | 16.0 | 71.7 | 13.2 | 92.8 | 14.8 | 74.5 | 12.5 |
| Total Urban | 90.0 | 31.1 | 78.9 | 30.0 | 91.8 | 11.6 | 75.1 | 9.5 |
| Nairobi | 94.9 | 28.2 | 85.2 | 28.2 | 107.0 | 10.1 | 80.6 | 7.6 |
| Mombasa | 75.2 | 36.6 | 63.9 | 33.9 | 68.9 | 5.2 | 62.0 | 5.2 |
| Kisumu | 78.0 | 24.0 | 73.0 | 22.4 | 70.9 | 11.2 | 60.7 | 8.9 |
| Nakuru | 91.8 | 17.6 | 78.3 | 12.1 | 63.9 | 34.3 | 60.9 | 31.1 |
| Other urban | 90.2 | 37.3 | 75.9 | 36.6 | 89.9 | 14.1 | 78.5 | 12.2 |
| Nation | 94.8 | 17.6 | 72.4 | 15.0 | 92.7 | 14.2 | 74.6 | 11.9 |

Annex 3.8b Gross and Net Enrolment rates of Non-poor by sex and level of education

| Region | Male Non-Poor | | | | Female Non-Poor | | | |
|--------------------------|-----------------|-----------|---------------|-----------|-----------------|-----------|---------------|-----------|
| | Gross Enrolment | | Net Enrolment | | Gross Enrolment | | Net Enrolment | |
| | primary | secondary | primary | secondary | primary | secondary | primary | secondary |
| Central Rural | 99.2 | 38.7 | 86.6 | 32.8 | 100.8 | 29.2 | 87.4 | 25.6 |
| Kiambu | 99.8 | 56.5 | 88.1 | 43.7 | 95.7 | 41.6 | 84.7 | 36.6 |
| Kirinyaga | 104.5 | 21.7 | 81.1 | 21.7 | 109.3 | 15.7 | 90.0 | 14.1 |
| Muranga | 100.5 | 31.9 | 87.7 | 29.8 | 102.1 | 29.8 | 90.1 | 24.2 |
| Nyandarua | 96.1 | 28.6 | 83.7 | 23.1 | 108.1 | 14.1 | 87.9 | 14.1 |
| Nyeri | 94.9 | 37.3 | 87.5 | 33.5 | 99.8 | 22.0 | 86.8 | 20.8 |
| Coast Rural | 93.7 | 14.0 | 75.6 | 11.6 | 80.8 | 14.4 | 72.9 | 12.1 |
| Kilifi | 94.5 | 10.8 | 79.2 | 7.6 | 78.0 | 14.8 | 71.0 | 13.2 |
| Kwale | 100.4 | 3.1 | 75.5 | 3.1 | 80.9 | 0.0 | 72.0 | 0.0 |
| Lamu | 97.0 | 28.7 | 88.6 | 23.7 | 94.5 | 9.9 | 88.3 | 3.9 |
| Taita Taveta | 102.8 | 36.5 | 84.3 | 36.5 | 97.1 | 42.3 | 88.4 | 38.7 |
| Tana River | 49.4 | 25.4 | 35.1 | 8.5 | 41.2 | 10.4 | 34.1 | 0.0 |
| Eastern Rural | 93.3 | 22.5 | 75.9 | 20.3 | 94.1 | 18.6 | 77.4 | 16.7 |
| Mbeere | 99.2 | 14.1 | 78.5 | 7.1 | 99.0 | 26.0 | 81.4 | 26.0 |
| Embu | 101.3 | 29.1 | 91.6 | 22.2 | 97.9 | 58.5 | 83.8 | 44.4 |
| Kitui | 95.9 | 23.1 | 79.1 | 21.5 | 86.8 | 14.5 | 67.1 | 13.6 |
| Machakos | 95.8 | 34.2 | 76.1 | 34.2 | 100.0 | 10.0 | 79.5 | 7.8 |
| Meru | 106.2 | 51.6 | 90.3 | 44.0 | 111.2 | 44.1 | 82.8 | 39.4 |
| Makueni | 93.6 | 5.4 | 84.2 | 5.4 | 100.0 | 11.6 | 85.7 | 11.6 |
| Tharaka Nithi | 81.5 | 35.6 | 68.3 | 26.4 | 94.6 | 15.0 | 84.6 | 15.0 |
| Nyambene | 84.4 | 7.3 | 61.6 | 7.3 | 84.1 | 5.1 | 73.3 | 5.1 |
| Nyanza Rural | 95.8 | 42.5 | 73.9 | 29.3 | 86.6 | 35.0 | 76.7 | 31.0 |
| Kisii | 110.7 | 57.9 | 84.6 | 37.1 | 101.1 | 61.1 | 88.5 | 50.7 |
| Kisumu | 112.3 | 26.3 | 92.1 | 9.4 | 100.8 | 26.0 | 87.5 | 26.0 |
| Siaya | 94.6 | 29.1 | 74.6 | 20.3 | 89.7 | 6.3 | 80.6 | 6.3 |
| Homa Bay | 112.0 | 26.7 | 85.1 | 0.0 | 80.1 | 42.6 | 63.0 | 42.6 |
| Migori | 109.6 | 19.0 | 82.2 | 15.0 | 89.2 | 4.7 | 86.8 | 4.7 |
| Nyamira | 47.9 | 71.8 | 36.2 | 63.4 | 59.9 | 45.9 | 44.9 | 40.3 |
| Rift Valley Rural | 93.1 | 34.5 | 77.0 | 27.7 | 93.7 | 24.7 | 80.0 | 20.9 |
| Kajiado | 71.5 | 14.9 | 62.0 | 8.5 | 54.7 | 27.5 | 47.9 | 27.5 |
| Kericho | 106.6 | 40.5 | 87.3 | 40.5 | 94.7 | 29.3 | 86.4 | 18.5 |
| Laikipia | 105.8 | 35.6 | 93.7 | 35.6 | 98.4 | 27.5 | 90.5 | 23.9 |
| Nakuru | 86.9 | 23.0 | 73.6 | 20.3 | 103.7 | 14.9 | 86.4 | 14.9 |
| Nandi | 104.2 | 29.6 | 87.0 | 24.0 | 110.5 | 29.9 | 88.2 | 22.8 |
| Narok | 69.8 | 32.8 | 62.6 | 12.0 | 71.6 | 0.0 | 62.4 | 0.0 |
| Bomet | 111.5 | 67.8 | 93.5 | 43.7 | 98.3 | 53.9 | 81.5 | 40.0 |
| Transmara | 68.5 | 43.9 | 55.7 | 43.9 | 77.3 | 9.0 | 68.2 | 9.0 |
| Baringo | 93.5 | 36.3 | 72.3 | 32.7 | 97.1 | 9.5 | 73.0 | 6.7 |
| Elgeyo-Marakwet | 98.6 | 31.4 | 79.1 | 24.0 | 101.1 | 24.6 | 83.3 | 24.6 |
| Trans Nzoia | 96.5 | 29.5 | 80.4 | 22.7 | 105.4 | 28.2 | 85.4 | 23.3 |
| Uasin Gishu | 104.6 | 36.9 | 80.5 | 27.0 | 97.2 | 30.4 | 88.6 | 30.4 |
| West Pokot | 58.8 | 13.6 | 43.3 | 13.6 | 56.5 | 14.8 | 54.1 | 14.8 |
| Western Rural | 108.1 | 26.6 | 82.1 | 21.2 | 109.0 | 18.3 | 81.3 | 15.7 |
| Bungoma | 121.4 | 36.0 | 82.6 | 22.9 | 107.7 | 26.1 | 86.5 | 19.1 |
| Busia | 103.9 | 27.0 | 80.0 | 27.0 | 109.8 | 4.4 | 78.6 | 4.4 |
| Kakamega | 98.0 | 18.5 | 76.9 | 18.5 | 109.4 | 13.1 | 78.4 | 10.8 |
| Vihiga | 109.2 | 28.5 | 90.9 | 21.3 | 110.0 | 23.3 | 78.2 | 23.3 |
| Total Rural | 96.7 | 32.7 | 79.1 | 26.3 | 95.3 | 24.9 | 80.6 | 21.6 |
| Total Urban | 88.5 | 51.0 | 76.1 | 43.2 | 86.6 | 36.3 | 82.1 | 33.2 |
| Nairobi | 86.0 | 57.7 | 67.8 | 47.5 | 84.7 | 47.7 | 84.7 | 43.7 |
| Mombasa | 88.8 | 47.6 | 73.0 | 38.5 | 96.3 | 37.2 | 89.4 | 32.4 |
| Kisumu | 90.3 | 24.8 | 88.5 | 19.5 | 94.9 | 27.4 | 88.7 | 27.4 |
| Nakuru | 82.4 | 72.3 | 81.1 | 72.3 | 64.7 | 27.1 | 55.0 | 23.5 |
| Other urban | 94.3 | 28.3 | 85.9 | 27.0 | 87.7 | 21.3 | 79.4 | 20.2 |
| Nation | 95.9 | 35.3 | 78.8 | 28.7 | 94.4 | 26.8 | 80.7 | 23.6 |

Annex 3.9 Literacy rates by sex and poverty

| Region | ALL | | Male | | Female | |
|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Poor | Non-Poor | Poor | Non-Poor | Poor | Non-Poor |
| Central Rural | 81.9 | 87.2 | 86.8 | 93.8 | 77.3 | 81.3 |
| Kiambu | 86.5 | 88.9 | 92.1 | 93.3 | 81.3 | 84.7 |
| Kirinyaga | 76.1 | 84.9 | 86.2 | 96.1 | 64.9 | 74.4 |
| Muranga | 79.7 | 82.6 | 83.8 | 91.7 | 76.3 | 75.5 |
| Nyandarua | 87.3 | 91.0 | 95.3 | 95.2 | 81.1 | 87.2 |
| Nyeri | 81.3 | 89.3 | 81.8 | 95.1 | 80.9 | 84.1 |
| Coast Rural | 50.5 | 69.5 | 67.4 | 79.9 | 37.7 | 58.0 |
| Kilifi | 44.6 | 70.0 | 68.5 | 82.3 | 26.8 | 56.1 |
| Kwale | 45.6 | 64.7 | 56.9 | 76.9 | 36.5 | 50.3 |
| Lamu | 56.8 | 73.2 | 57.1 | 80.6 | 56.6 | 65.9 |
| Taita Taveta | 75.1 | 88.5 | 85.5 | 92.3 | 67.7 | 84.9 |
| Tana River | 57.2 | 40.4 | 73.6 | 47.8 | 45.4 | 33.7 |
| Eastern Rural | 70.0 | 79.0 | 76.4 | 87.4 | 64.4 | 71.6 |
| Mbeere | 74.8 | 90.0 | 83.2 | 93.8 | 67.3 | 86.4 |
| Embu | 75.0 | 88.1 | 85.5 | 91.8 | 64.7 | 84.3 |
| Kitui | 62.1 | 72.6 | 69.7 | 84.6 | 55.8 | 62.2 |
| Machakos | 74.0 | 83.4 | 84.3 | 90.8 | 66.1 | 76.9 |
| Meru | 76.2 | 86.7 | 83.3 | 91.8 | 70.5 | 82.0 |
| Makueni | 74.7 | 78.8 | 80.0 | 88.1 | 69.4 | 71.5 |
| Tharaka Nithi | 79.4 | 81.2 | 84.1 | 89.5 | 75.7 | 72.8 |
| Nyambene | 57.5 | 69.1 | 58.6 | 79.6 | 56.4 | 59.8 |
| Nyanza Rural | 70.9 | 75.5 | 81.5 | 86.9 | 61.8 | 66.9 |
| Kisii | 78.1 | 83.6 | 82.7 | 91.7 | 74.0 | 76.2 |
| Kisumu | 69.1 | 74.3 | 82.4 | 87.1 | 58.5 | 64.5 |
| Siaya | 63.4 | 62.3 | 79.3 | 83.4 | 50.3 | 49.7 |
| Homa Bay | 64.4 | 77.7 | 78.6 | 86.3 | 52.5 | 72.0 |
| Migori | 73.1 | 77.3 | 82.3 | 84.7 | 64.5 | 71.2 |
| Nyamira | 75.3 | 79.2 | 83.2 | 87.4 | 68.7 | 72.8 |
| Rift Valley Rural | 65.8 | 77.0 | 74.9 | 84.3 | 56.9 | 69.6 |
| Kajiado | 44.6 | 57.5 | 54.3 | 67.9 | 34.0 | 46.7 |
| Kericho | 65.4 | 77.6 | 76.0 | 84.1 | 52.5 | 70.9* |
| Laikipia | 77.8 | 85.1 | 86.5 | 90.2 | 71.4 | 80.7 |
| Nakuru | 69.5 | 84.8 | 76.4 | 91.7 | 62.9 | 76.9 |
| Nandi | 70.8 | 75.8 | 79.2 | 83.0 | 62.0 | 68.3 |
| Narok | 56.8 | 60.0 | 59.8 | 72.7 | 54.6 | 46.1 |
| Bomet | 72.4 | 86.8 | 83.9 | 92.2 | 59.7 | 81.5 |
| Transmara | 47.2 | 51.5 | 57.0 | 67.4 | 38.3 | 42.5 |
| Baringo | 70.0 | 74.0 | 75.6 | 79.0 | 64.3 | 69.0 |
| Elgeyo-Marakwet | 70.7 | 76.5 | 80.8 | 82.5 | 61.2 | 70.9 |
| Trans Nzoia | 67.0 | 77.3 | 81.6 | 85.4 | 54.9 | 69.5 |
| Uasin Gishu | 74.9 | 90.1 | 81.6 | 92.7 | 69.0 | 87.0 |
| West Pokot | 39.2 | 52.9 | 47.3 | 61.7 | 30.2 | 44.7 |
| Western Rural | 73.8 | 81.7 | 83.9 | 87.8 | 64.8 | 76.8 |
| Bungoma | 75.4 | 83.9 | 86.6 | 91.5 | 64.3 | 76.3 |
| Busia | 56.6 | 72.6 | 68.1 | 84.7 | 47.3 | 63.2 |
| Kakamega | 77.4 | 81.4 | 84.7 | 83.3 | 70.6 | 79.8 |
| Vihiga | 79.1 | 84.5 | 91.6 | 93.8 | 69.7 | 79.4 |
| Total Rural | 69.6 | 79.9 | 78.8 | 87.8 | 61.5 | 72.9 |
| Total Urban | 90.1 | 94.3 | 93.5 | 97.7 | 86.6 | 90.3 |
| Nairobi | 92.9 | 96.5 | 94.2 | 98.2 | 91.6 | 94.3 |
| Mombasa | 78.5 | 91.6 | 88.8 | 98.5 | 68.5 | 82.6 |
| Kisumu | 95.0 | 96.5 | 98.3 | 100.0 | 92.1 | 93.4 |
| Nakuru | 93.8 | 96.0 | 99.1 | 97.7 | 88.4 | 94.4 |
| Other urban | 87.5 | 90.8 | 91.9 | 95.5 | 83.4 | 86.4 |
| Nation | 73.1 | 82.7 | 81.4 | 89.9 | 65.5 | 75.9 |

Annex 3.10a Mean Annual Expenditure on Education by the Poor households

| Region | Primary fees | Secondary fees | Boarding | Uniform | Primary books | Secondary books | Transport | Harambee | Insurance |
|--------------------------|--------------|----------------|--------------|--------------|---------------|-----------------|--------------|--------------|-------------|
| Central Rural | 394.3 | 1188.4 | 63.6 | 259.6 | 377.7 | 81.7 | 15.7 | 326.9 | 13.1 |
| Kiambu | 514.5 | 1417.3 | 0.5 | 498.0 | 551.0 | 231.3 | 24.6 | 466.5 | 0.0 |
| Kirinyaga | 181.9 | 341.0 | 110.6 | 265.6 | 417.1 | 24.4 | 8.0 | 395.9 | 83.9 |
| Muranga | 373.3 | 2165.8 | 23.1 | 141.9 | 301.3 | 26.5 | 4.3 | 258.6 | 1.7 |
| Nyandarua | 150.3 | 190.8 | 0.0 | 185.4 | 213.7 | 29.3 | 33.9 | 66.9 | 0.0 |
| Nyeri | 565.7 | 339.1 | 197.8 | 222.3 | 358.1 | 74.5 | 22.9 | 352.9 | 0.0 |
| Coast Rural | 94.2 | 535.1 | 122.6 | 250.6 | 151.4 | 79.7 | 18.5 | 189.0 | 30.0 |
| Kilifi | 97.2 | 305.9 | 0.0 | 238.2 | 178.0 | 38.6 | 23.1 | 195.1 | 8.4 |
| Kwale | 34.6 | 220.7 | 367.2 | 217.8 | 95.2 | 169.0 | 5.8 | 173.9 | 0.0 |
| Lamu | 240.0 | 198.8 | 159.1 | 141.0 | 220.8 | 0.0 | 83.5 | 141.6 | 0.0 |
| Taita Taveta | 158.9 | 1601.9 | 2.2 | 323.0 | 166.3 | 43.1 | 3.2 | 215.2 | 0.0 |
| Tana River | 178.1 | 787.6 | 7.1 | 551.5 | 244.9 | 0.0 | 218.1 | 89.6 | 1629.1 |
| Eastern Rural | 256.5 | 876.6 | 144.5 | 288.9 | 220.0 | 41.2 | 22.9 | 181.6 | 75.3 |
| Mbeere | 248.7 | 1003.9 | 137.4 | 349.8 | 84.3 | 3.1 | 14.6 | 397.9 | 2.2 |
| Embu | 517.6 | 423.1 | 113.9 | 183.1 | 304.2 | 40.6 | 8.6 | 44.1 | 23.5 |
| Kitui | 131.8 | 686.5 | 95.9 | 208.3 | 178.3 | 47.5 | 12.3 | 178.4 | 5.9 |
| Machakos | 139.2 | 924.0 | 224.1 | 250.9 | 251.8 | 63.0 | 23.1 | 221.4 | 0.0 |
| Meru | 1305.2 | 1384.3 | 0.0 | 607.5 | 359.5 | 58.9 | 116.6 | 124.9 | 0.0 |
| Makueni | 108.1 | 1185.3 | 336.5 | 329.2 | 216.5 | 57.8 | 24.0 | 244.0 | 15.2 |
| Tharaka Nithi | 365.0 | 1091.4 | 0.0 | 114.6 | 170.3 | 0.0 | 14.0 | 197.0 | 839.3 |
| Nyambene | 139.3 | 416.2 | 0.0 | 380.6 | 202.9 | 2.6 | 3.6 | 46.0 | 0.0 |
| Nyanza Rural | 148.3 | 524.6 | 128.0 | 317.5 | 155.8 | 94.3 | 24.9 | 110.0 | 2.1 |
| Kisii | 134.4 | 699.5 | 0.0 | 426.1 | 121.7 | 66.3 | 8.4 | 57.0 | 3.5 |
| Kisumu | 89.1 | 195.1 | 0.0 | 84.0 | 72.9 | 7.0 | 14.8 | 37.5 | 11.2 |
| Siaya | 90.4 | 466.3 | 35.2 | 160.2 | 119.3 | 20.9 | 13.4 | 84.1 | 0.0 |
| Homa Bay | 139.3 | 224.7 | 0.0 | 139.0 | 62.8 | 19.6 | 4.2 | 75.7 | 0.0 |
| Migori | 156.9 | 0.0 | 73.3 | 594.8 | 245.1 | 243.3 | 67.0 | 275.2 | 0.0 |
| Nyamira | 241.5 | 1242.6 | 485.4 | 472.4 | 264.3 | 179.3 | 36.6 | 121.8 | 0.0 |
| Rift Valley Rural | 246.0 | 588.0 | 82.4 | 340.1 | 246.3 | 45.1 | 22.1 | 246.1 | 26.4 |
| Kajiado | 259.7 | 365.2 | 25.4 | 461.1 | 161.2 | 3.1 | 0.0 | 72.2 | 0.0 |
| Kericho | 106.6 | 684.4 | 76.6 | 293.8 | 135.8 | 23.7 | 8.1 | 166.8 | 0.0 |
| Laikipia | 334.8 | 816.0 | 0.0 | 479.8 | 491.2 | 122.9 | 186.6 | 81.2 | 0.0 |
| Nakuru | 163.3 | 297.7 | 0.0 | 211.3 | 207.3 | 28.7 | 0.0 | 354.2 | 4.2 |
| Nandi | 167.9 | 593.2 | 246.1 | 332.3 | 255.9 | 51.4 | 7.9 | 236.8 | 33.4 |
| Narok | 86.5 | 442.3 | 0.0 | 181.3 | 337.4 | 19.1 | 0.0 | 457.7 | 0.0 |
| Bomet | 351.0 | 535.9 | 67.5 | 326.7 | 290.9 | 42.9 | 18.8 | 89.5 | 5.6 |
| Transmara | 197.9 | 1244.7 | 15.4 | 386.7 | 91.5 | 108.7 | 54.5 | 382.0 | 0.0 |
| Baringo | 191.5 | 574.3 | 67.8 | 450.7 | 374.6 | 26.8 | 6.6 | 249.0 | 28.6 |
| Elgeyo-Marakwet | 231.9 | 428.6 | 313.5 | 427.3 | 331.3 | 86.8 | 91.5 | 387.7 | 11.0 |
| Trans Nzoia | 461.5 | 477.3 | 26.5 | 360.5 | 163.1 | 5.8 | 11.6 | 184.6 | 0.0 |
| Uasin Gishu | 661.0 | 1022.4 | 27.4 | 730.7 | 604.7 | 56.9 | 44.4 | 494.7 | 172.6 |
| West Pokot | 176.2 | 724.3 | 173.2 | 240.6 | 86.4 | 106.4 | 24.0 | 85.7 | 147.7 |
| Western Rural | 241.4 | 945.7 | 75.9 | 277.2 | 161.4 | 59.1 | 13.6 | 255.5 | 48.6 |
| Bungoma | 266.4 | 1500.0 | 150.2 | 371.7 | 205.6 | 92.4 | 28.2 | 318.4 | 10.1 |
| Busia | 196.0 | 417.4 | 66.8 | 260.5 | 141.4 | 61.2 | 27.0 | 147.9 | 0.0 |
| Kakamega | 196.6 | 421.7 | 64.2 | 213.2 | 188.2 | 26.9 | 6.4 | 311.5 | 129.2 |
| Vihiga | 318.7 | 1610.7 | 32.8 | 299.2 | 96.8 | 75.4 | 0.9 | 195.3 | 0.0 |
| Total Rural | 228.7 | 741.4 | 105.1 | 300.7 | 213.6 | 64.9 | 20.7 | 206.5 | 31.8 |
| Total Urban | 884.5 | 1161.4 | 165.7 | 435.8 | 267.7 | 61.6 | 165.9 | 216.6 | 35.5 |
| Nairobi | 1058.9 | 1142.8 | 145.5 | 538.4 | 299.1 | 64.1 | 267.2 | 272.6 | 0.0 |
| Mombasa | 429.4 | 561.6 | 0.0 | 308.1 | 203.0 | 22.9 | 66.9 | 83.3 | 128.6 |
| Kisumu | 1702.6 | 613.5 | 0.0 | 239.2 | 212.8 | 53.9 | 86.6 | 95.2 | 0.0 |
| Nakuru | 528.6 | 2609.2 | 401.9 | 736.0 | 108.5 | 101.6 | 48.2 | 595.8 | 20.1 |
| Other urban | 650.1 | 1264.3 | 253.8 | 298.9 | 282.3 | 66.2 | 73.9 | 128.2 | 70.5 |
| Nation | 354.8 | 822.2 | 116.7 | 326.7 | 224.0 | 64.3 | 48.6 | 208.4 | 32.5 |

Annex 3.10b Mean Annual Expenditure on Education by Non-poor households

| Region | Secondary | | | | Secondary | | | | Insurance |
|--------------------------|---------------|---------------|--------------|---------------|---------------|--------------|--------------|---------------|--------------|
| | Primary fees | fees | Boarding | Uniform | Primary books | books | Transport | Harambee | |
| Central Rural | 1029.6 | 3263.8 | 548.7 | 584.0 | 570.8 | 211.3 | 160.4 | 486.9 | 101.8 |
| Kiambu | 1458.0 | 3019.8 | 410.7 | 668.5 | 618.0 | 138.4 | 100.6 | 477.7 | 3.1 |
| Kirinyaga | 432.8 | 3169.6 | 845.9 | 228.3 | 402.1 | 162.4 | 89.7 | 566.5 | 102.0 |
| Muranga | 834.6 | 3940.4 | 935.6 | 742.6 | 884.7 | 395.4 | 304.5 | 641.7 | 0.8 |
| Nyandarua | 440.5 | 2609.1 | 86.7 | 440.2 | 404.5 | 178.9 | 150.2 | 317.8 | 0.0 |
| Nyeri | 1241.1 | 3225.0 | 374.3 | 543.9 | 315.1 | 150.9 | 127.7 | 362.6 | 415.2 |
| Coast Rural | 188.4 | 2967.3 | 129.1 | 452.0 | 177.8 | 47.6 | 302.1 | 188.8 | 51.5 |
| Kilifi | 269.3 | 3946.0 | 193.9 | 506.8 | 205.2 | 56.4 | 518.0 | 147.1 | 0.0 |
| Kwale | 27.0 | 1832.5 | 0.0 | 261.4 | 184.6 | 17.9 | 3.0 | 150.7 | 4.2 |
| Lamu | 381.7 | 1300.9 | 0.0 | 649.2 | 162.9 | 69.2 | 12.8 | 220.4 | 0.0 |
| Taita Taveta | 279.5 | 4239.7 | 342.1 | 690.8 | 134.3 | 92.2 | 587.6 | 398.3 | 17.7 |
| Tana River | 24.2 | 689.4 | 0.0 | 272.7 | 27.0 | 7.3 | 29.1 | 147.3 | 1110.7 |
| Eastern Rural | 599.9 | 2217.1 | 548.2 | 572.0 | 390.9 | 129.2 | 116.4 | 365.5 | 230.3 |
| Mbeere | 558.8 | 3077.6 | 975.5 | 296.9 | 234.0 | 441.9 | 297.1 | 284.1 | 0.0 |
| Embu | 1764.2 | 4058.3 | 762.6 | 1316.8 | 482.2 | 150.9 | 216.2 | 187.8 | 170.7 |
| Kitui | 137.8 | 2306.2 | 144.2 | 447.2 | 233.0 | 153.5 | 76.9 | 387.7 | 67.0 |
| Machakos | 236.2 | 2691.5 | 1564.3 | 285.4 | 461.0 | 46.4 | 156.9 | 454.2 | 0.0 |
| Meru | 1715.3 | 3316.5 | 0.0 | 1053.6 | 914.2 | 293.6 | 166.5 | 279.1 | 269.9 |
| Makueni | 370.2 | 2765.7 | 1216.3 | 480.1 | 262.5 | 74.0 | 168.0 | 857.3 | 1232.1 |
| Tharaka Nithi | 780.0 | 711.6 | 76.2 | 220.7 | 171.6 | 9.2 | 8.7 | 163.4 | 237.7 |
| Nyambene | 217.0 | 666.8 | 0.0 | 714.3 | 301.9 | 63.7 | 18.7 | 217.5 | 5.5 |
| Nyanza Rural | 321.5 | 1944.5 | 153.4 | 435.2 | 299.6 | 237.4 | 87.6 | 192.6 | 56.3 |
| Kisii | 437.8 | 2677.8 | 67.4 | 659.0 | 350.4 | 173.5 | 34.0 | 216.2 | 15.1 |
| Kisumu | 240.2 | 1653.3 | 315.3 | 279.8 | 168.4 | 101.0 | 77.1 | 214.8 | 122.4 |
| Siaya | 107.4 | 1035.3 | 262.1 | 245.7 | 145.0 | 100.1 | 34.1 | 160.4 | 25.2 |
| Homa Bay | 83.7 | 1740.4 | 58.7 | 392.3 | 85.0 | 27.0 | 13.9 | 83.1 | 25.2 |
| Migori | 151.8 | 1085.3 | 0.0 | 287.6 | 153.0 | 96.3 | 148.0 | 212.2 | 147.5 |
| Nyamira | 830.4 | 3690.9 | 192.9 | 767.9 | 783.0 | 786.1 | 168.6 | 225.4 | 0.0 |
| Rift Valley Rural | 428.1 | 2297.8 | 384.6 | 522.0 | 345.6 | 198.5 | 158.4 | 418.7 | 92.0 |
| Kajiado | 790.7 | 1258.2 | 296.9 | 482.9 | 582.7 | 57.4 | 254.5 | 225.2 | 130.3 |
| Kericho | 138.3 | 1538.2 | 697.0 | 293.9 | 202.3 | 112.0 | 29.6 | 272.1 | 23.7 |
| Laikipia | 170.6 | 1759.2 | 193.6 | 500.3 | 468.6 | 87.9 | 98.7 | 148.4 | 4.7 |
| Nakuru | 359.9 | 1454.7 | 217.2 | 408.5 | 278.2 | 155.2 | 83.9 | 330.3 | 67.7 |
| Nandi | 357.3 | 2547.3 | 549.9 | 591.8 | 341.8 | 163.0 | 71.8 | 393.5 | 54.4 |
| Narok | 128.2 | 1114.2 | 297.1 | 841.5 | 400.7 | 222.4 | 89.3 | 920.1 | 0.0 |
| Bomet | 1194.0 | 9286.7 | 146.9 | 365.7 | 199.5 | 383.5 | 412.7 | 360.8 | 0.0 |
| Transmara | 329.3 | 964.5 | 48.3 | 392.8 | 173.3 | 103.4 | 51.0 | 406.9 | 235.8 |
| Baringo | 214.5 | 1818.6 | 114.0 | 419.8 | 438.1 | 234.3 | 116.7 | 549.3 | 202.3 |
| Elgeyo-Marakwet | 254.6 | 2224.5 | 1298.5 | 573.1 | 326.3 | 84.9 | 123.4 | 564.1 | 74.0 |
| Trans Nzoia | 560.9 | 3064.8 | 597.5 | 779.1 | 344.3 | 478.7 | 714.4 | 384.2 | 0.0 |
| Uasin Gishu | 794.5 | 2698.6 | 374.9 | 1037.8 | 507.3 | 335.4 | 104.7 | 1004.1 | 420.8 |
| West Pokot | 534.9 | 1715.7 | 648.3 | 587.2 | 325.1 | 360.6 | 84.3 | 205.4 | 11.3 |
| Western Rural | 406.7 | 2448.2 | 294.3 | 317.4 | 168.6 | 118.7 | 94.5 | 227.3 | 170.0 |
| Bungoma | 747.2 | 2946.8 | 778.0 | 529.4 | 190.4 | 265.0 | 188.2 | 349.4 | 135.5 |
| Busia | 376.9 | 1684.2 | 409.5 | 378.1 | 142.8 | 236.2 | 179.9 | 94.3 | 17.0 |
| Kakamega | 220.2 | 2584.7 | 82.9 | 206.1 | 208.0 | 13.4 | 39.5 | 220.5 | 252.7 |
| Vihiga | 364.2 | 1995.2 | 10.0 | 226.4 | 71.1 | 65.4 | 26.4 | 166.1 | 143.6 |
| Total Rural | 578.4 | 2536.8 | 389.0 | 503.8 | 374.4 | 181.1 | 141.7 | 357.5 | 115.2 |
| Total Urban | 2791.9 | 7424.8 | 895.7 | 1039.4 | 749.4 | 343.2 | 328.9 | 1126.3 | 894.0 |
| Nairobi | 4686.8 | 12499.7 | 1566.7 | 1577.1 | 1168.9 | 532.7 | 457.2 | 1333.8 | 1773.3 |
| Mombasa | 1515.4 | 3187.9 | 101.3 | 965.8 | 566.9 | 88.6 | 327.3 | 99.7 | 80.2 |
| Kisumu | 1350.4 | 5415.7 | 1621.1 | 750.5 | 582.3 | 516.7 | 132.0 | 324.5 | 61.1 |
| Nakuru | 1197.7 | 2573.0 | 29.4 | 699.4 | 144.3 | 149.8 | 186.4 | 1736.4 | 308.9 |
| Other urban | 1348.6 | 3973.0 | 516.2 | 413.5 | 426.0 | 242.6 | 204.4 | 1338.3 | 329.3 |
| Nation | 1047.7 | 3573.0 | 496.4 | 617.3 | 453.9 | 215.5 | 181.4 | 520.5 | 280.3 |

Annex 4.1 Distribution of household members sick by poverty and days sick

| Region | Sick (%) | | Poor | | | | Non-Poor | | | |
|--------------------------|----------|----------|---------------|-----------|-----------|-----------|---------------|-----------|-----------|-----------|
| | poor | Non-poor | Days sick (%) | | | | Days sick (%) | | | |
| | | | Mean days | <=2 weeks | 2-4 weeks | > 4 weeks | Mean days | <=2 weeks | 2-4 weeks | > 4 weeks |
| Central Rural | 7.4 | 11.8 | 11.0 | 79.1 | 20.2 | 0.7 | 10.5 | 84.6 | 12.0 | 3.3 |
| Kiambu | 5.9 | 10.4 | 14.3 | 68.9 | 28.4 | 2.7 | 8.5 | 88.4 | 8.9 | 2.6 |
| Kirinyaga | 16.4 | 19.0 | 12.9 | 72.4 | 27.2 | 0.4 | 10.1 | 85.4 | 13.0 | 1.6 |
| Muranga | 5.9 | 11.0 | 8.8 | 85.7 | 14.3 | 0.0 | 13.2 | 77.7 | 15.9 | 6.5 |
| Nyandarua | 6.8 | 12.3 | 7.1 | 93.8 | 6.2 | 0.0 | 10.6 | 83.5 | 15.2 | 1.3 |
| Nyeri | 5.7 | 10.8 | 8.5 | 86.8 | 13.2 | 0.0 | 10.9 | 87.3 | 9.2 | 3.5 |
| Coast Rural | 14.5 | 17.5 | 10.9 | 86.1 | 9.2 | 4.7 | 9.6 | 88.2 | 9.2 | 2.6 |
| Kilifi | 12.2 | 20.1 | 10.4 | 82.8 | 14.6 | 2.5 | 9.9 | 88.2 | 9.6 | 2.3 |
| Kwale | 15.1 | 15.4 | 5.5 | 95.3 | 2.6 | 2.1 | 6.1 | 92.9 | 6.1 | 1.0 |
| Lamu | 27.5 | 17.0 | 8.2 | 89.0 | 11.0 | 0.0 | 9.6 | 82.6 | 15.6 | 1.8 |
| Taita Taveta | 18.7 | 18.5 | 20.7 | 77.1 | 8.9 | 14.0 | 16.0 | 80.4 | 12.0 | 7.6 |
| Tana River | 13.0 | 8.4 | 14.6 | 87.7 | 0.0 | 12.3 | 7.5 | 95.4 | 4.6 | 0.0 |
| Eastern Rural | 16.8 | 23.0 | 10.1 | 85.0 | 12.1 | 2.9 | 10.9 | 83.6 | 12.6 | 3.8 |
| Mbeere | 10.6 | 22.7 | 7.4 | 89.4 | 10.6 | 0.0 | 10.6 | 75.7 | 20.3 | 3.9 |
| Embu | 13.9 | 19.4 | 12.6 | 80.8 | 14.9 | 4.3 | 14.4 | 78.4 | 15.7 | 5.9 |
| Kitui | 19.8 | 24.7 | 10.2 | 87.5 | 9.5 | 3.0 | 17.6 | 74.1 | 14.8 | 11.2 |
| Machakos | 19.6 | 28.3 | 9.1 | 88.2 | 10.5 | 1.3 | 11.3 | 83.7 | 11.5 | 4.7 |
| Meru | 12.4 | 21.3 | 9.0 | 82.3 | 14.8 | 2.9 | 7.8 | 89.4 | 10.6 | 0.0 |
| Makueni | 14.3 | 21.4 | 12.4 | 79.3 | 12.9 | 7.9 | 12.5 | 76.3 | 19.5 | 4.2 |
| Tharaka Nithi | 16.8 | 21.3 | 12.3 | 67.6 | 30.0 | 2.4 | 9.7 | 83.3 | 16.7 | 0.0 |
| Nyambene | 15.9 | 20.8 | 7.7 | 92.2 | 7.8 | 0.0 | 6.3 | 93.4 | 6.6 | 0.0 |
| Nyanza Rural | 15.8 | 22.5 | 10.6 | 81.2 | 15.5 | 3.3 | 11.5 | 81.3 | 14.8 | 3.9 |
| Kisii | 9.6 | 18.2 | 10.0 | 83.1 | 15.8 | 1.2 | 9.9 | 79.9 | 18.6 | 1.5 |
| Kisumu | 23.8 | 25.3 | 11.7 | 80.5 | 14.6 | 5.0 | 12.8 | 77.2 | 19.9 | 3.0 |
| Siaya | 20.1 | 24.0 | 10.2 | 80.9 | 16.6 | 2.6 | 11.9 | 79.0 | 15.1 | 5.8 |
| Homa Bay | 17.8 | 15.3 | 9.7 | 78.2 | 21.8 | 0.0 | 14.2 | 63.6 | 36.4 | 0.0 |
| Migori | 18.8 | 32.3 | 10.5 | 82.9 | 13.1 | 3.9 | 10.4 | 88.5 | 7.6 | 3.9 |
| Nyamira | 9.0 | 14.5 | 11.5 | 82.1 | 11.6 | 6.3 | 13.5 | 78.4 | 15.0 | 6.6 |
| Rift Valley Rural | 9.6 | 14.1 | 9.6 | 85.4 | 12.9 | 1.6 | 11.2 | 83.0 | 14.1 | 2.9 |
| Kajiado | 11.1 | 14.7 | 12.7 | 65.6 | 34.4 | 0.0 | 20.8 | 76.3 | 9.7 | 14.0 |
| Kericho | 8.5 | 10.2 | 6.4 | 95.5 | 4.5 | 0.0 | 9.1 | 85.4 | 12.4 | 2.2 |
| Laikipia | 12.6 | 18.5 | 12.7 | 72.8 | 24.7 | 2.4 | 9.0 | 85.4 | 14.6 | 0.0 |
| Nakuru | 11.6 | 14.2 | 9.5 | 86.4 | 13.2 | 0.4 | 12.4 | 74.6 | 25.4 | 0.0 |
| Nandi | 9.6 | 14.3 | 7.8 | 87.6 | 10.7 | 1.6 | 9.7 | 88.4 | 9.7 | 1.9 |
| Narok | 6.6 | 14.6 | 5.0 | 94.0 | 6.0 | 0.0 | 11.1 | 91.2 | 3.8 | 5.0 |
| Bomet | 4.9 | 6.6 | 11.3 | 80.5 | 19.5 | 0.0 | 11.9 | 76.6 | 23.4 | 0.0 |
| Transmara | 14.5 | 15.9 | 11.3 | 79.9 | 18.6 | 1.5 | 7.8 | 88.6 | 11.4 | 0.0 |
| Baringo | 11.5 | 13.7 | 7.3 | 91.6 | 7.3 | 1.1 | 9.1 | 82.1 | 17.9 | 0.0 |
| Elgeyo-Marakwet | 9.5 | 10.6 | 10.3 | 84.0 | 13.0 | 3.0 | 15.6 | 80.2 | 10.5 | 9.3 |
| Trans Nzoia | 15.9 | 20.9 | 10.8 | 85.3 | 12.1 | 2.6 | 9.7 | 87.4 | 9.9 | 2.7 |
| Uasin Gishu | 6.5 | 17.7 | 11.2 | 89.0 | 4.7 | 6.2 | 8.5 | 90.1 | 7.0 | 2.9 |
| West Pokot | 5.5 | 9.3 | 11.4 | 77.6 | 15.8 | 6.6 | 18.5 | 71.6 | 18.1 | 10.3 |
| Western Rural | 14.7 | 20.7 | 9.9 | 81.9 | 16.1 | 2.0 | 9.4 | 83.3 | 14.9 | 1.8 |
| Bungoma | 14.1 | 21.6 | 9.6 | 82.7 | 16.3 | 0.9 | 9.7 | 83.0 | 16.7 | 0.3 |
| Busia | 12.5 | 23.5 | 12.4 | 79.7 | 16.1 | 4.2 | 8.8 | 81.3 | 18.7 | 0.0 |
| Kakamega | 17.1 | 17.1 | 9.8 | 80.9 | 16.1 | 3.0 | 8.0 | 86.2 | 12.6 | 1.2 |
| Vihiga | 13.3 | 24.6 | 8.9 | 84.4 | 15.6 | 0.0 | 11.0 | 81.2 | 13.1 | 5.6 |
| Total Rural | 13.4 | 17.3 | 10.2 | 83.3 | 14.0 | 2.7 | 10.7 | 83.4 | 13.4 | 3.2 |
| Total Urban | 14.9 | 19.9 | 9.3 | 85.7 | 12.3 | 1.9 | 11.3 | 84.0 | 10.5 | 5.4 |
| Nairobi | 14.1 | 18.8 | 8.7 | 86.2 | 13.0 | 0.8 | 13.5 | 84.8 | 5.2 | 10.0 |
| Mombasa | 12.2 | 18.9 | 10.4 | 77.3 | 21.4 | 1.3 | 11.6 | 75.2 | 22.1 | 2.7 |
| Kisumu | 20.1 | 23.4 | 8.0 | 85.8 | 13.1 | 1.1 | 5.5 | 98.2 | 1.8 | 0.0 |
| Nakuru | 13.0 | 17.5 | 12.2 | 83.9 | 13.3 | 2.8 | 11.0 | 77.1 | 20.1 | 2.7 |
| Other urban | 16.6 | 23.2 | 9.9 | 87.8 | 8.3 | 3.8 | 8.8 | 87.2 | 11.1 | 1.7 |
| Nation | 13.7 | 17.7 | 10.1 | 83.7 | 13.8 | 2.5 | 10.8 | 83.5 | 12.9 | 3.6 |

Annex 4.2a Distribution of poor population by Action taken while sick (%)

| | N | Private Doctor/Dispensary | Public Dispensary | Community H/Centre | Private Hospital | Provincial/District Hospital | Missionary Hospital/Dispensary | Pharmacy/Chemist | Traditional/Faith Healer | Total |
|--------------------------|------------------|---------------------------|-------------------|--------------------|------------------|------------------------------|--------------------------------|------------------|--------------------------|------------|
| Central Rural | 76,964 | 19.5 | 43.2 | 10.2 | 0.5 | 10.4 | 8.6 | 7.6 | 0.0 | 100 |
| Kiambu | 16,180 | 2.8 | 17.4 | 34.1 | 2.2 | 14.0 | 26.7 | 2.8 | 0.0 | 100 |
| Kirinyaga | 25,047 | 18.2 | 56.1 | 9.5 | 0.0 | 4.8 | 2.9 | 8.6 | 0.0 | 100 |
| Muranga | 18,990 | 25.4 | 49.3 | 0.0 | 0.0 | 9.5 | 3.7 | 12.1 | 0.0 | 100 |
| Nyandarua | 6,358 | 35.5 | 45.6 | 0.0 | 0.0 | 5.5 | 13.4 | 0.0 | 0.0 | 100 |
| Nyeri | 10,389 | 28.2 | 39.4 | 0.0 | 0.0 | 22.9 | 0.0 | 9.6 | 0.0 | 100 |
| Coast Rural | 101,610 | 21.9 | 33.3 | 5.4 | 0.0 | 13.2 | 2.3 | 23.8 | 0.0 | 100 |
| Kilifi | 46,266 | 37.5 | 18.6 | 3.1 | 0.0 | 5.1 | 1.0 | 34.8 | 0.0 | 100 |
| Kwale | 29,610 | 7.3 | 39.4 | 11.3 | 0.0 | 25.1 | 6.4 | 10.6 | 0.0 | 100 |
| Lamu | 6,863 | 2.2 | 84.3 | 6.1 | 0.0 | 0.0 | 0.0 | 7.5 | 0.0 | 100 |
| Taita Taveta | 16,851 | 13.3 | 41.3 | 1.8 | 0.0 | 17.9 | 0.0 | 25.8 | 0.0 | 100 |
| Tana River | 2,020 | 18.5 | 44.5 | 0.0 | 0.0 | 30.7 | 0.0 | 6.3 | 0.0 | 100 |
| Eastern Rural | 332,907 | 15.7 | 28.8 | 6.5 | 3.5 | 9.0 | 13.2 | 23.2 | 0.0 | 100 |
| Mbeere | 6,570 | 10.0 | 44.6 | 6.3 | 0.0 | 7.8 | 15.6 | 15.7 | 0.0 | 100 |
| Embu | 13,633 | 19.7 | 19.0 | 8.4 | 0.0 | 9.9 | 6.4 | 36.6 | 0.0 | 100 |
| Kitui | 85,688 | 3.8 | 29.9 | 3.7 | 1.1 | 4.2 | 24.9 | 32.5 | 0.0 | 100 |
| Machakos | 89,990 | 17.7 | 36.8 | 12.7 | 5.8 | 4.5 | 0.0 | 22.4 | 0.0 | 100 |
| Meru | 13,495 | 44.8 | 1.1 | 0.0 | 0.0 | 7.1 | 18.0 | 28.9 | 0.0 | 100 |
| Makueni | 56,210 | 7.8 | 21.4 | 5.0 | 7.4 | 23.1 | 17.6 | 17.7 | 0.0 | 100 |
| Tharaka Nithi | 23,851 | 29.9 | 21.6 | 3.6 | 0.0 | 14.7 | 26.4 | 3.8 | 0.0 | 100 |
| Nyambene | 43,470 | 27.8 | 33.0 | 4.3 | 2.9 | 7.0 | 5.2 | 19.7 | 0.0 | 100 |
| Nyanza Rural | 325,113 | 16.9 | 27.0 | 12.4 | 3.5 | 8.6 | 6.2 | 25.4 | 0.0 | 100 |
| Kisii | 33,845 | 21.3 | 36.2 | 3.0 | 3.7 | 9.3 | 2.5 | 24.0 | 0.0 | 100 |
| Kisumu | 67,134 | 14.3 | 39.3 | 10.2 | 2.3 | 3.3 | 1.2 | 29.4 | 0.0 | 100 |
| Siaya | 51,526 | 26.5 | 26.3 | 5.0 | 2.5 | 8.9 | 5.4 | 25.4 | 0.0 | 100 |
| Homa Bay | 49,590 | 17.9 | 39.7 | 8.8 | 3.4 | 2.2 | 1.6 | 26.5 | 0.0 | 100 |
| Migori | 71,662 | 1.2 | 8.9 | 30.0 | 1.0 | 9.0 | 19.9 | 30.1 | 0.0 | 100 |
| Nyamira | 51,356 | 28.4 | 18.4 | 8.0 | 9.8 | 20.3 | 1.4 | 13.7 | 0.0 | 100 |
| Rift Valley Rural | 219,269 | 30.5 | 22.3 | 10.4 | 3.6 | 8.5 | 7.6 | 17.1 | 0.0 | 100 |
| Kajiado | 7,172 | 11.9 | 14.7 | 0.0 | 5.7 | 30.1 | 0.0 | 37.6 | 0.0 | 100 |
| Kericho | 19,960 | 9.3 | 37.6 | 5.4 | 13.0 | 10.0 | 2.8 | 21.8 | 0.0 | 100 |
| Laikipia | 10,496 | 32.6 | 16.6 | 4.6 | 1.5 | 9.0 | 28.7 | 7.1 | 0.0 | 100 |
| Nakuru | 38,809 | 35.5 | 13.6 | 3.3 | 4.3 | 6.8 | 4.4 | 32.2 | 0.0 | 100 |
| Nandi | 29,716 | 36.5 | 22.4 | 8.0 | 1.6 | 9.4 | 2.3 | 19.9 | 0.0 | 100 |
| Narok | 8,119 | 10.5 | 7.4 | 39.7 | 3.7 | 21.9 | 2.7 | 14.1 | 0.0 | 100 |
| Bomet | 16,606 | 30.1 | 42.9 | 8.5 | 8.7 | 3.5 | 6.2 | 0.0 | 0.0 | 100 |
| Transmara | 15,968 | 64.9 | 6.4 | 3.5 | 0.0 | 6.6 | 18.6 | 0.0 | 0.0 | 100 |
| Baringo | 13,635 | 11.9 | 42.9 | 17.8 | 0.0 | 3.6 | 6.6 | 17.4 | 0.0 | 100 |
| Elgeyo-Marakwet | 9,534 | 5.7 | 47.4 | 14.8 | 0.0 | 7.6 | 20.7 | 3.8 | 0.0 | 100 |
| Trans Nzoia | 30,487 | 45.6 | 19.0 | 14.3 | 0.0 | 4.1 | 5.3 | 11.7 | 0.0 | 100 |
| Uasin Gishu | 10,915 | 28.6 | 4.1 | 33.4 | 1.2 | 14.5 | 2.5 | 15.7 | 0.0 | 100 |
| West Pokot | 7,851 | 9.7 | 17.1 | 7.3 | 8.3 | 9.6 | 21.5 | 26.5 | 0.0 | 100 |
| Western Rural | 208,097 | 21.6 | 18.1 | 11.2 | 1.5 | 6.6 | 3.9 | 37.1 | 0.0 | 100 |
| Bungoma | 56,215 | 14.5 | 14.9 | 12.7 | 1.8 | 7.8 | 7.8 | 40.5 | 0.0 | 100 |
| Busia | 28,119 | 10.6 | 22.8 | 18.8 | 1.3 | 4.0 | 4.5 | 38.0 | 0.0 | 100 |
| Kakamega | 84,305 | 30.3 | 10.0 | 11.1 | 2.2 | 4.2 | 2.9 | 39.1 | 0.0 | 100 |
| Vihiga | 39,458 | 20.8 | 36.2 | 4.0 | 0.0 | 11.9 | 0.0 | 27.1 | 0.0 | 100 |
| Total Rural | 1,263,960 | 20.3 | 26.7 | 9.6 | 2.7 | 8.9 | 7.8 | 24.1 | 0.0 | 100 |
| Total Urban | 248,440 | 23.7 | 23.0 | 0.5 | 8.7 | 19.5 | 4.0 | 18.4 | 2.2 | 100 |
| Nairobi | 113,002 | 26.3 | 30.2 | 0.0 | 12.5 | 5.3 | 5.0 | 20.6 | 0.0 | 100 |
| Mombasa | 19,569 | 19.5 | 39.4 | 1.6 | 5.4 | 19.5 | 5.2 | 6.1 | 3.2 | 100 |
| Kisumu | 22,867 | 21.8 | 11.6 | 4.3 | 8.2 | 27.2 | 1.7 | 10.9 | 14.3 | 100 |
| Nakuru | 12,377 | 2.6 | 31.6 | 0.0 | 0.0 | 39.7 | 0.0 | 26.1 | 0.0 | 100 |
| Other urban | 80,625 | 24.8 | 10.7 | 0.0 | 5.4 | 34.2 | 3.7 | 19.3 | 1.9 | 100 |
| Nation | 1,512,400 | 20.8 | 26.1 | 8.1 | 3.7 | 10.6 | 7.1 | 23.2 | 0.4 | 100 |

Annex 4.2b Distribution of Non-poor population by Action taken while sick (%)

| | N | Private doctor/dispensary | Public dispensary | community h/centre | private hospital | provincial/district hospstl | missionary hospital/dispensary | pharmacy/chemist | traditional/faith healer | Total |
|--------------------------|------------------|---------------------------|-------------------|--------------------|------------------|-----------------------------|--------------------------------|------------------|--------------------------|------------|
| Central Rural | 259,259 | 31.6 | 17.7 | 8.0 | 8.2 | 15.9 | 7.8 | 10.6 | 0.2 | 100 |
| Kiambu | 76,484 | 38.6 | 13.6 | 11.2 | 13.3 | 7.9 | 10.2 | 5.3 | 0.0 | 100 |
| Kirinyaga | 45,971 | 34.8 | 21.2 | 7.8 | 4.4 | 18.2 | 7.5 | 6.1 | 0.0 | 100 |
| Muranga | 62,151 | 22.4 | 20.0 | 4.0 | 1.9 | 14.1 | 6.9 | 30.0 | 0.8 | 100 |
| Nyandarua | 28,124 | 25.7 | 19.2 | 8.3 | 9.6 | 24.0 | 11.4 | 1.8 | 0.0 | 100 |
| Nyeri | 46,528 | 32.5 | 17.1 | 8.3 | 11.2 | 24.5 | 3.4 | 3.0 | 0.0 | 100 |
| Coast Rural | 84,767 | 32.9 | 22.0 | 7.1 | 5.8 | 12.9 | 0.8 | 18.1 | 0.5 | 100 |
| Kilifi | 42,705 | 37.9 | 7.9 | 8.4 | 3.6 | 12.6 | 1.5 | 27.4 | 0.7 | 100 |
| Kwale | 20,543 | 32.8 | 29.4 | 1.8 | 8.6 | 25.4 | 0.0 | 1.9 | 0.0 | 100 |
| Lamu | 6,316 | 14.2 | 63.7 | 9.8 | 0.0 | 5.3 | 0.0 | 4.6 | 2.4 | 100 |
| Taita Taveta | 12,500 | 28.5 | 24.8 | 10.2 | 12.9 | 0.0 | 0.0 | 23.6 | 0.0 | 100 |
| Tana River | 2,704 | 17.9 | 77.5 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100 |
| Eastern Rural | 334,345 | 31.1 | 20.1 | 4.3 | 5.0 | 5.9 | 14.8 | 17.4 | 1.3 | 100 |
| Mbeere | 17,999 | 5.5 | 25.8 | 0.0 | 0.0 | 14.8 | 30.2 | 22.4 | 1.3 | 100 |
| Embu | 15,087 | 10.2 | 27.1 | 5.0 | 0.0 | 12.7 | 8.3 | 34.9 | 1.8 | 100 |
| Kitui | 61,212 | 14.6 | 30.6 | 3.3 | 2.0 | 3.5 | 23.4 | 22.6 | 0.0 | 100 |
| Machakos | 83,349 | 36.1 | 17.2 | 8.4 | 7.0 | 4.9 | 4.5 | 18.7 | 3.2 | 100 |
| Meru | 28,904 | 11.7 | 24.0 | 3.1 | 5.2 | 9.7 | 39.0 | 7.3 | 0.0 | 100 |
| Makueni | 32,043 | 20.3 | 9.9 | 0.0 | 12.3 | 17.2 | 5.8 | 32.3 | 2.2 | 100 |
| Tharaka Nithi | 22,201 | 39.9 | 5.4 | 0.0 | 0.0 | 2.9 | 44.9 | 4.9 | 2.0 | 100 |
| Nyambene | 73,550 | 59.6 | 19.2 | 4.9 | 5.9 | 0.0 | 2.3 | 8.0 | 0.0 | 100 |
| Nyanza Rural | 294,892 | 16.8 | 21.8 | 9.8 | 7.4 | 6.5 | 6.3 | 24.6 | 6.9 | 100 |
| Kisii | 49,986 | 30.7 | 25.1 | 4.2 | 0.4 | 7.1 | 10.1 | 13.2 | 9.4 | 100 |
| Kisumu | 38,952 | 15.8 | 37.6 | 4.5 | 6.5 | 6.3 | 1.0 | 25.5 | 2.8 | 100 |
| Siaya | 41,667 | 20.0 | 18.7 | 1.7 | 6.6 | 11.8 | 7.4 | 27.4 | 6.4 | 100 |
| Homa Bay | 15,770 | 22.6 | 20.3 | 5.8 | 5.8 | 0.0 | 16.1 | 19.7 | 9.8 | 100 |
| Migori | 109,622 | 8.1 | 17.4 | 16.7 | 11.4 | 1.4 | 4.6 | 31.0 | 9.4 | 100 |
| Nyamira | 38,895 | 18.3 | 17.9 | 13.0 | 7.8 | 17.3 | 6.5 | 19.1 | 0.0 | 100 |
| Rift Valley Rural | 326,532 | 23.6 | 22.8 | 9.0 | 6.8 | 12.9 | 12.6 | 10.3 | 1.9 | 100 |
| Kajiado | 25,499 | 25.7 | 18.3 | 9.8 | 1.7 | 20.2 | 0.0 | 23.0 | 1.3 | 100 |
| Kericho | 23,627 | 4.8 | 24.0 | 5.1 | 24.5 | 21.0 | 13.4 | 7.2 | 0.0 | 100 |
| Laikipia | 27,749 | 16.6 | 28.0 | 0.8 | 3.1 | 24.3 | 17.5 | 8.1 | 1.6 | 100 |
| Nakuru | 58,257 | 13.2 | 40.1 | 7.0 | 7.0 | 12.1 | 6.7 | 13.1 | 0.8 | 100 |
| Nandi | 24,183 | 40.5 | 12.3 | 13.3 | 7.7 | 4.5 | 2.4 | 14.7 | 4.6 | 100 |
| Narok | 16,747 | 51.5 | 11.5 | 10.4 | 0.0 | 3.6 | 18.1 | 0.0 | 4.9 | 100 |
| Bomet | 13,051 | 3.1 | 35.7 | 0.0 | 6.5 | 0.0 | 51.5 | 0.0 | 3.2 | 100 |
| Transmara | 14,828 | 38.5 | 0.0 | 3.8 | 3.7 | 17.3 | 36.7 | 0.0 | 0.0 | 100 |
| Baringo | 30,781 | 18.8 | 24.7 | 17.8 | 4.8 | 17.5 | 3.1 | 9.2 | 4.3 | 100 |
| Elgeyo-Marakwet | 14,244 | 7.5 | 45.4 | 0.9 | 6.2 | 4.9 | 33.9 | 0.0 | 1.2 | 100 |
| Trans Nzoia | 31,833 | 50.0 | 5.9 | 4.3 | 12.2 | 12.9 | 0.7 | 12.2 | 1.8 | 100 |
| Uasin Gishu | 38,728 | 23.2 | 15.5 | 20.1 | 3.3 | 7.1 | 16.0 | 14.9 | 0.0 | 100 |
| West Pokot | 7,005 | 10.3 | 23.0 | 17.0 | 4.3 | 13.5 | 19.4 | 3.9 | 8.7 | 100 |
| Western Rural | 210,581 | 14.7 | 14.2 | 10.3 | 1.8 | 10.8 | 6.0 | 41.8 | 0.5 | 100 |
| Bungoma | 72,544 | 16.3 | 19.1 | 11.6 | 3.6 | 8.1 | 5.1 | 35.0 | 1.2 | 100 |
| Busia | 30,927 | 8.3 | 7.8 | 15.2 | 0.9 | 6.4 | 4.2 | 56.5 | 0.8 | 100 |
| Kakamega | 69,568 | 18.0 | 14.4 | 5.4 | 1.3 | 9.1 | 7.4 | 44.5 | 0.0 | 100 |
| Vihiga | 37,541 | 10.9 | 9.2 | 12.7 | 0.0 | 22.7 | 6.8 | 37.8 | 0.0 | 100 |
| Total Rural | 1,510,376 | 24.6 | 19.9 | 8.0 | 6.0 | 10.3 | 9.5 | 19.5 | 2.2 | 100 |
| Total Urban | 345,381 | 19.6 | 14.6 | 1.9 | 24.4 | 21.0 | 2.0 | 15.1 | 1.4 | 100 |
| Nairobi | 145,066 | 22.1 | 23.3 | 0.8 | 27.0 | 4.9 | 2.5 | 18.8 | 0.7 | 100 |
| Mombasa | 57,900 | 24.6 | 5.1 | 6.9 | 46.4 | 13.2 | 1.3 | 1.1 | 1.5 | 100 |
| Kisumu | 14,277 | 27.4 | 3.7 | 2.4 | 20.0 | 33.6 | 0.0 | 11.0 | 1.9 | 100 |
| Nakuru | 24,924 | 14.5 | 17.6 | 0.0 | 6.8 | 39.3 | 0.9 | 20.9 | 0.0 | 100 |
| Other urban | 103,214 | 13.5 | 8.6 | 0.9 | 13.4 | 41.8 | 2.4 | 16.9 | 2.5 | 100 |
| Nation | 1,855,757 | 23.6 | 18.9 | 6.9 | 9.4 | 12.3 | 8.1 | 18.7 | 2.0 | 100 |

Annex 4.3 Distribution of sick population by Days missed work and Whether received treatment

| | Poor | | | | Non-poor | | | |
|--------------------------|------------------------------|-------------|----------------|--------------|------------------------------|-------------|----------------|--------------|
| | Average No. days missed work | received % | not received % | Total % | Average No. days missed work | received % | not received % | Total % |
| Central Rural | 9.04 | 92.3 | 7.7 | 100.0 | 8.21 | 91.9 | 8.1 | 100.0 |
| Kiambu | 12.1 | 97.3 | 2.7 | 100.0 | 7.02 | 91.2 | 8.8 | 100.0 |
| Kirinyaga | 7.9 | 97.6 | 2.4 | 100.0 | 7.43 | 89.5 | 10.5 | 100.0 |
| Muranga | 7.9 | 84.4 | 15.6 | 100.0 | 10.47 | 93.2 | 6.8 | 100.0 |
| Nyandarua | 10.4 | 92.7 | 7.3 | 100.0 | 8.39 | 90.3 | 9.7 | 100.0 |
| Nyeri | 9.0 | 88.8 | 11.2 | 100.0 | 7.80 | 95.3 | 4.7 | 100.0 |
| Coast Rural | 7.50 | 82.5 | 17.5 | 100.0 | 5.45 | 92.1 | 7.9 | 100.0 |
| Kilifi | 7.7 | 91.1 | 8.9 | 100.0 | 6.39 | 99.0 | 1.0 | 100.0 |
| Kwale | 2.6 | 76.6 | 23.4 | 100.0 | 3.06 | 76.9 | 23.1 | 100.0 |
| Lamu | 5.5 | 100.0 | 0.0 | 100.0 | 4.83 | 93.3 | 6.7 | 100.0 |
| Taita Taveta | 13.2 | 67.9 | 32.1 | 100.0 | 6.90 | 97.7 | 2.3 | 100.0 |
| Tana River | 14.1 | 100.0 | 0.0 | 100.0 | 5.31 | 100.0 | 0.0 | 100.0 |
| Eastern Rural | 7.36 | 88.7 | 11.3 | 100.0 | 7.50 | 96.3 | 3.7 | 100.0 |
| Mbeere | 7.8 | 87.9 | 12.1 | 100.0 | 9.07 | 100.0 | 0.0 | 100.0 |
| Embu | 8.3 | 92.7 | 7.3 | 100.0 | 9.60 | 96.3 | 3.7 | 100.0 |
| Kitui | 6.6 | 95.4 | 4.6 | 100.0 | 7.96 | 97.4 | 2.6 | 100.0 |
| Machakos | 8.1 | 89.5 | 10.5 | 100.0 | 7.62 | 99.3 | 0.7 | 100.0 |
| Meru | 5.1 | 81.1 | 18.9 | 100.0 | 5.59 | 97.2 | 2.8 | 100.0 |
| Makueni | 8.2 | 88.0 | 12.0 | 100.0 | 8.93 | 92.7 | 7.3 | 100.0 |
| Tharaka Nithi | 11.8 | 84.4 | 15.6 | 100.0 | 12.44 | 95.7 | 4.3 | 100.0 |
| Nyambene | 4.9 | 80.1 | 19.9 | 100.0 | 5.13 | 92.8 | 7.2 | 100.0 |
| Nyanza Rural | 7.69 | 86.0 | 14.0 | 100.0 | 9.00 | 88.0 | 12.0 | 100.0 |
| Kisii | 8.3 | 93.5 | 6.5 | 100.0 | 7.60 | 90.1 | 9.9 | 100.0 |
| Kisumu | 9.8 | 87.5 | 12.5 | 100.0 | 8.95 | 86.4 | 13.6 | 100.0 |
| Siaya | 7.2 | 70.5 | 29.5 | 100.0 | 9.39 | 68.5 | 31.5 | 100.0 |
| Homa Bay | 6.0 | 94.7 | 5.3 | 100.0 | 9.06 | 89.7 | 10.3 | 100.0 |
| Migori | 5.0 | 84.8 | 15.2 | 100.0 | 8.91 | 97.6 | 2.4 | 100.0 |
| Nyamira | 10.8 | 91.9 | 8.1 | 100.0 | 10.57 | 90.9 | 9.1 | 100.0 |
| Rift Valley Rural | 8.43 | 89.7 | 10.3 | 100.0 | 9.45 | 92.3 | 7.7 | 100.0 |
| Kajiado | 10.4 | 83.4 | 16.6 | 100.0 | 18.79 | 90.0 | 10.0 | 100.0 |
| Kericho | 7.4 | 84.9 | 15.1 | 100.0 | 8.10 | 87.3 | 12.7 | 100.0 |
| Laikipia | 14.0 | 93.7 | 6.3 | 100.0 | 7.94 | 84.1 | 15.9 | 100.0 |
| Nakuru | 5.7 | 86.0 | 14.0 | 100.0 | 8.12 | 91.2 | 8.8 | 100.0 |
| Nandi | 5.0 | 93.2 | 6.8 | 100.0 | 6.96 | 93.6 | 6.4 | 100.0 |
| Narok | 5.4 | 100.0 | 0.0 | 100.0 | 4.96 | 95.7 | 4.3 | 100.0 |
| Bomet | 7.4 | 99.2 | 0.8 | 100.0 | 14.63 | 100.0 | 0.0 | 100.0 |
| Transmara | 8.9 | 90.0 | 10.0 | 100.0 | 8.71 | 91.2 | 8.8 | 100.0 |
| Baringo | 5.3 | 94.4 | 5.6 | 100.0 | 9.06 | 96.7 | 3.3 | 100.0 |
| Elgeyo-Marakwet | 11.8 | 89.5 | 10.5 | 100.0 | 12.86 | 94.6 | 5.4 | 100.0 |
| Trans Nzoia | 10.2 | 84.3 | 15.7 | 100.0 | 8.75 | 93.0 | 7.0 | 100.0 |
| Uasin Gishu | 12.8 | 93.4 | 6.6 | 100.0 | 8.30 | 95.2 | 4.8 | 100.0 |
| West Pokot | 21.5 | 91.2 | 8.8 | 100.0 | 8.86 | 100.0 | 0.0 | 100.0 |
| Western Rural | 5.90 | 87.3 | 12.7 | 100.0 | 6.75 | 92.3 | 7.7 | 100.0 |
| Bungoma | 6.8 | 91.1 | 8.9 | 100.0 | 7.35 | 91.0 | 9.0 | 100.0 |
| Busia | 8.2 | 82.8 | 17.2 | 100.0 | 7.74 | 94.4 | 5.6 | 100.0 |
| Kakamega | 4.2 | 89.6 | 10.4 | 100.0 | 3.85 | 94.5 | 5.5 | 100.0 |
| Vihiga | 6.8 | 81.3 | 18.7 | 100.0 | 8.70 | 89.8 | 10.2 | 100.0 |
| Total Rural | 7.50 | 87.6 | 12.4 | 100.0 | 8.14 | 92.2 | 7.8 | 100.0 |
| Total Urban | 5.67 | 91.6 | 8.4 | 100.0 | 5.60 | 92.7 | 7.3 | 100.0 |
| Nairobi | 4.9 | 90.5 | 9.5 | 100.0 | 6.32 | 89.2 | 10.8 | 100.0 |
| Mombasa | 7.8 | 75.4 | 24.6 | 100.0 | 5.80 | 94.1 | 5.9 | 100.0 |
| Kisumu | 4.6 | 97.2 | 2.8 | 100.0 | 3.98 | 87.5 | 12.5 | 100.0 |
| Nakuru | 8.4 | 98.8 | 1.2 | 100.0 | 5.05 | 97.2 | 2.8 | 100.0 |
| Other urban | 6.2 | 95.1 | 4.9 | 100.0 | 4.99 | 97.1 | 2.9 | 100.0 |
| Nation | 7.23 | 88.2 | 11.8 | 100.0 | 7.70 | 92.3 | 7.7 | 100.0 |

Annex 4.4a Poor: Reason for not having used medical care while sick in the past 4 weeks (%)

| Region | N | Minor illness | Self treatment | Too expensive | Too far | Head refused | Religious beliefs | Other | Total |
|--------------------------|----------------|---------------|----------------|---------------|------------|--------------|-------------------|-------------|--------------|
| Central Rural | 6,377 | 58.3 | 14.4 | 11.4 | 0.0 | 0.0 | 0.0 | 16.0 | 100.0 |
| Kiambu | 448 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kirinyaga | 615 | 55.1 | 44.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Muranga | 3,509 | 86.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.2 | 100.0 |
| Nyandarua | 500 | 0.0 | 44.3 | 55.7 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyeri | 1,304 | 25.4 | 32.2 | 0.0 | 0.0 | 0.0 | 0.0 | 42.4 | 100.0 |
| Coast Rural | 21,871 | 27.3 | 40.9 | 10.7 | 2.8 | 4.6 | 9.6 | 4.2 | 100.0 |
| Kilifi | 4,582 | 43.3 | 0.0 | 0.0 | 0.0 | 13.6 | 37.8 | 5.4 | 100.0 |
| Kwale | 9,312 | 0.0 | 81.4 | 4.0 | 6.5 | 4.0 | 0.0 | 4.1 | 100.0 |
| Lamu | 0 | . | . | . | . | . | . | . | . |
| Taita Taveta | 7,977 | 50.0 | 17.2 | 24.5 | 0.0 | 0.0 | 4.6 | 3.7 | 100.0 |
| Tana River | 0 | . | . | . | . | . | . | . | . |
| Eastern Rural | 43,133 | 17.7 | 14.0 | 51.5 | 1.3 | 0.0 | 1.8 | 13.8 | 100.0 |
| Mbeere | 974 | 65.5 | 34.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Embu | 1,068 | 26.0 | 0.0 | 74.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kitui | 4,235 | 14.8 | 23.8 | 37.4 | 0.0 | 0.0 | 18.3 | 5.7 | 100.0 |
| Machakos | 10,810 | 18.7 | 13.6 | 67.7 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Meru | 3,144 | 19.5 | 0.0 | 80.5 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Makueni | 7,738 | 14.9 | 20.1 | 37.2 | 7.5 | 0.0 | 0.0 | 20.3 | 100.0 |
| Tharaka Nithi | 4,397 | 20.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 79.8 | 100.0 |
| Nyambene | 10,766 | 13.0 | 15.4 | 65.9 | 0.0 | 0.0 | 0.0 | 5.7 | 100.0 |
| Nyanza Rural | 58,191 | 40.0 | 23.1 | 27.8 | 4.5 | 0.0 | 1.6 | 3.0 | 100.0 |
| Kisii | 2,502 | 19.2 | 36.2 | 40.8 | 0.0 | 0.0 | 3.7 | 0.0 | 100.0 |
| Kisumu | 10,141 | 31.7 | 18.1 | 33.9 | 7.4 | 0.0 | 4.8 | 4.2 | 100.0 |
| Siaya | 23,207 | 18.9 | 34.9 | 30.9 | 8.0 | 0.0 | 1.5 | 5.8 | 100.0 |
| Homa Bay | 3,611 | 19.4 | 39.6 | 41.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Migori | 14,211 | 77.2 | 5.0 | 17.8 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyamira | 4,519 | 77.9 | 10.0 | 12.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Rift Valley Rural | 26,275 | 22.9 | 25.1 | 45.6 | 2.7 | 0.0 | 0.6 | 3.2 | 100.0 |
| Kajiado | 1,428 | 0.0 | 0.0 | 64.1 | 0.0 | 0.0 | 10.7 | 25.2 | 100.0 |
| Kericho | 4,004 | 33.4 | 11.4 | 55.2 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Laikipia | 720 | 61.8 | 0.0 | 38.2 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nakuru | 6,309 | 11.6 | 59.8 | 28.6 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nandi | 2,238 | 12.7 | 50.5 | 17.6 | 6.5 | 0.0 | 0.0 | 12.7 | 100.0 |
| Narok | 0 | . | . | . | . | . | . | . | . |
| Bomet | 142 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Transmara | 1,970 | 0.0 | 27.5 | 72.5 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Baringo | 867 | 0.0 | 0.0 | 36.5 | 63.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Elgeyo-Marakwet | 1,246 | 66.2 | 33.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Trans Nzoia | 5,813 | 20.3 | 0.0 | 79.7 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 782 | 66.5 | 33.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| West Pokot | 755 | 74.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25.3 | 100.0 |
| Western Rural | 31,534 | 18.0 | 6.3 | 65.1 | 2.7 | 1.2 | 0.0 | 6.7 | 100.0 |
| Bungoma | 5,652 | 17.4 | 7.6 | 38.2 | 15.0 | 6.5 | 0.0 | 15.3 | 100.0 |
| Busia | 6,044 | 9.0 | 0.0 | 70.2 | 0.0 | 0.0 | 0.0 | 20.8 | 100.0 |
| Kakamega | 10,433 | 28.6 | 9.6 | 61.8 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Vihiga | 9,405 | 12.5 | 5.8 | 81.7 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Total Rural | 187,380 | 27.9 | 20.2 | 39.5 | 2.9 | 0.7 | 2.1 | 6.7 | 100.0 |
| Total Urban | 24,576 | 16.9 | 37.0 | 43.8 | 0.0 | 0.0 | 0.2 | 2.1 | 100.0 |
| Nairobi | 12,656 | 11.5 | 16.7 | 71.8 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Mombasa | 6,496 | 0.0 | 90.3 | 9.7 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kisumu | 748 | 64.2 | 0.0 | 35.8 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nakuru | 174 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Other urban | 4,503 | 49.0 | 20.9 | 17.6 | 0.0 | 0.0 | 0.9 | 11.5 | 100.0 |
| Nation | 211,956 | 26.6 | 22.2 | 40.0 | 2.5 | 0.6 | 1.9 | 6.2 | 100.0 |

Annex 4.4b Non-Poor: Reason for not having used medical care while sick in the past 4 weeks (%)

| Region | | Minor illness | Self treatment | Too expensive | Too far | Head refused | Religious beliefs | Other | Total |
|--------------------------|--|----------------|----------------|---------------|-------------|--------------|-------------------|-------------|--------------|
| Central Rural | | 23,516 | 54.9 | 19.5 | 7.1 | 3.2 | 0.0 | 5.1 | 100.0 |
| Kiambu | | 7,683 | 80.9 | 7.6 | 0.0 | 0.0 | 11.5 | 0.0 | 100.0 |
| Kirinyaga | | 5,713 | 48.8 | 18.4 | 20.0 | 0.0 | 5.4 | 7.5 | 100.0 |
| Muranga | | 4,550 | 57.3 | 0.0 | 0.0 | 16.6 | 0.0 | 26.1 | 100.0 |
| Nyandarua | | 3,241 | 26.8 | 32.8 | 16.1 | 0.0 | 0.0 | 24.2 | 100.0 |
| Nyeri | | 2,329 | 18.5 | 81.5 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Coast Rural | | 7,396 | 54.8 | 19.8 | 5.7 | 0.0 | 4.3 | 15.4 | 100.0 |
| Kilifi | | 460 | 50.0 | 0.0 | 0.0 | 0.0 | 50.0 | 0.0 | 100.0 |
| Kwale | | 6,182 | 52.8 | 21.9 | 6.8 | 0.0 | 0.0 | 18.4 | 100.0 |
| Lamu | | 450 | - | - | - | - | - | - | - |
| Taita Taveta | | 304 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Tana River | | 0 | - | - | - | - | - | - | - |
| Eastern Rural | | 14,038 | 64.2 | 0.0 | 28.2 | 0.0 | 0.0 | 7.6 | 100.0 |
| Mbeere | | 0 | - | - | - | - | - | - | - |
| Embu | | 596 | 46.5 | 0.0 | 53.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kitui | | 1,655 | 53.3 | 0.0 | 46.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Machakos | | 598 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 |
| Meru | | 1,231 | 38.9 | 0.0 | 61.1 | 0.0 | 0.0 | 0.0 | 100.0 |
| Makueni | | 2,539 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Tharaka Nithi | | 1,269 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyambene | | 6,150 | 57.9 | 0.0 | 34.3 | 0.0 | 0.0 | 7.7 | 100.0 |
| Nyanza Rural | | 42,657 | 25.3 | 32.8 | 28.0 | 12.0 | 0.0 | 1.8 | 100.0 |
| Kisii | | 5,601 | 72.3 | 18.9 | 8.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kisumu | | 6,447 | 4.9 | 48.8 | 14.9 | 31.4 | 0.0 | 0.0 | 100.0 |
| Siaya | | 21,873 | 14.8 | 40.8 | 26.7 | 14.2 | 0.0 | 3.6 | 100.0 |
| Homa Bay | | 1,818 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Migori | | 2,853 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyamira | | 4,064 | 78.9 | 21.1 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Rift Valley Rural | | 28,787 | 48.1 | 26.5 | 12.2 | 5.3 | 0.0 | 7.4 | 100.0 |
| Kajiado | | 2,980 | 59.3 | 0.9 | 34.7 | 0.0 | 5.1 | 0.0 | 100.0 |
| Kericho | | 3,724 | 60.4 | 0.0 | 0.0 | 19.8 | 0.0 | 19.8 | 100.0 |
| Laikipia | | 5,334 | 77.7 | 17.2 | 0.0 | 0.0 | 0.0 | 5.0 | 100.0 |
| Nakuru | | 5,974 | 39.9 | 57.1 | 0.0 | 0.0 | 0.0 | 3.0 | 100.0 |
| Nandi | | 1,699 | 35.0 | 14.5 | 25.2 | 0.0 | 0.0 | 25.2 | 100.0 |
| Narok | | 798 | - | - | - | - | - | - | - |
| Bomet | | - | - | - | - | - | - | - | - |
| Transmara | | 1,428 | 24.2 | 37.9 | 37.9 | 0.0 | 0.0 | 0.0 | 100.0 |
| Baringo | | 1,064 | 70.6 | 0.0 | 0.0 | 29.4 | 0.0 | 0.0 | 100.0 |
| Elgeyo-Marakwet | | 828 | 25.1 | 49.8 | 0.0 | 0.0 | 0.0 | 25.1 | 100.0 |
| Trans Nzoia | | 2,811 | 16.2 | 44.5 | 27.1 | 12.2 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | | 2,146 | 34.5 | 24.7 | 34.5 | 6.3 | 0.0 | 0.0 | 100.0 |
| West Pokot | | 0 | - | - | - | - | - | - | - |
| Western Rural | | 19,147 | 53.0 | 9.4 | 25.5 | 0.0 | 0.0 | 12.1 | 100.0 |
| Bungoma | | 7,318 | 46.8 | 19.0 | 19.3 | 0.0 | 0.0 | 15.0 | 100.0 |
| Busia | | 1,880 | 42.2 | 22.1 | 0.0 | 0.0 | 0.0 | 35.8 | 100.0 |
| Kakamega | | 4,183 | 52.7 | 0.0 | 47.3 | 0.0 | 0.0 | 0.0 | 100.0 |
| Vihiga | | 5,766 | 64.5 | 0.0 | 26.1 | 0.0 | 0.0 | 9.4 | 100.0 |
| Total Rural | | 135,540 | 44.8 | 21.8 | 19.5 | 5.5 | 1.2 | 7.3 | 100.0 |
| Total Urban | | 28,687 | 78.6 | 18.1 | 1.8 | 0.0 | 0.0 | 1.6 | 100.0 |
| Nairobi | | 18,536 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Mombasa | | 3,700 | 7.9 | 83.9 | 8.1 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kisumu | | 2,317 | 49.6 | 50.4 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nakuru | | 792 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Other urban | | 3,342 | 52.9 | 27.3 | 6.5 | 0.0 | 0.0 | 13.3 | 100.0 |
| Nation | | 164,227 | 50.7 | 21.1 | 16.4 | 4.5 | 1.0 | 6.3 | 100.0 |

Annex 4.5a Distribution of Time taken to reach nearest qualified doctor's office (%)

| Region | Poor | | | | Non-Poor | | | |
|--------------------|-----------------|------------------|------------------|----------------|-----------------|------------------|------------------|----------------|
| | < 10 minutes | 10-30 minutes | 30-60 minutes | 60+ minutes | < 10 minutes | 10-30 minutes | 30-60 minutes | 60+ minutes |
| Central Rural | 0.1 | 25.5 | 19.1 | 55.2 | 0.5 | 24.4 | 24.0 | 51.1 |
| Kiambu | 0.0 | 41.1 | 30.1 | 28.9 | 0.8 | 32.1 | 27.9 | 39.3 |
| Kirinyaga | 1.0 | 30.7 | 32.2 | 36.1 | 0.0 | 42.5 | 31.0 | 26.6 |
| Muranga | 0.0 | 14.3 | 10.5 | 75.1 | 0.0 | 12.2 | 29.5 | 58.3 |
| Nyandarua | 0.0 | 8.2 | 19.5 | 72.3 | 2.8 | 21.5 | 12.5 | 63.2 |
| Nyeri | 0.0 | 31.3 | 11.6 | 57.1 | 0.0 | 18.5 | 13.6 | 67.9 |
| Coast Rural | 0.5 | 14.2 | 19.4 | 65.9 | 2.1 | 23.4 | 16.5 | 58.0 |
| Kilifi | 0.0 | 9.8 | 20.5 | 69.6 | 1.2 | 17.5 | 21.4 | 60.0 |
| Kwale | 1.1 | 25.4 | 19.4 | 54.1 | 4.9 | 45.8 | 13.2 | 36.1 |
| Lamu | 0.0 | 1.9 | 0.0 | 98.1 | 0.0 | 7.8 | 2.8 | 89.4 |
| Taita Taveta | 0.7 | 8.3 | 19.8 | 71.3 | 0.0 | 3.5 | 13.1 | 83.4 |
| Tana River | 0.0 | 0.0 | 18.4 | 81.6 | 0.0 | 0.0 | 28.4 | 71.6 |
| Eastern Rural | 0.0 | 9.8 | 9.4 | 80.8 | 0.0 | 20.2 | 10.3 | 69.5 |
| Mbeere | 0.0 | 14.2 | 12.8 | 73.0 | 0.0 | 40.0 | 4.1 | 55.9 |
| Embu | 0.0 | 9.4 | 21.5 | 69.1 | 0.0 | 12.4 | 31.7 | 55.9 |
| Kitui | 0.0 | 3.5 | 5.5 | 91.0 | 0.0 | 12.8 | 5.2 | 82.0 |
| Machakos | 0.0 | 5.6 | 8.1 | 86.2 | 0.0 | 16.4 | 7.9 | 75.6 |
| Meru | 0.0 | 32.1 | 22.1 | 45.8 | 0.0 | 20.0 | 22.6 | 57.3 |
| Makueni | 0.0 | 12.6 | 0.9 | 86.6 | 0.0 | 48.4 | 2.1 | 49.5 |
| Tharaka Nithi | 0.0 | 9.2 | 29.5 | 61.3 | 0.0 | 16.9 | 21.9 | 61.2 |
| Nyambene | 0.0 | 10.2 | 4.7 | 85.1 | 0.0 | 9.8 | 1.9 | 88.2 |
| Nyasa Rural | 0.1 | 14.2 | 16.5 | 69.1 | 0.0 | 12.2 | 18.3 | 69.6 |
| Kisii | 0.0 | 4.8 | 24.6 | 70.6 | 0.0 | 4.5 | 20.7 | 74.8 |
| Kisumu | 0.5 | 20.6 | 14.1 | 64.8 | 0.0 | 22.7 | 11.5 | 65.8 |
| Siaya | 0.3 | 10.5 | 10.7 | 78.6 | 0.0 | 6.6 | 11.3 | 82.1 |
| Homa Bay | 0.0 | 5.8 | 7.1 | 87.1 | 0.0 | 6.7 | 23.3 | 70.0 |
| Migori | 0.0 | 15.2 | 10.7 | 74.1 | 0.0 | 19.2 | 8.4 | 72.4 |
| Nyamira | 0.0 | 24.1 | 28.5 | 47.4 | 0.0 | 13.1 | 37.7 | 49.2 |
| Rift Valley Rural | 0.3 | 19.7 | 18.5 | 61.4 | 1.5 | 21.7 | 17.2 | 59.5 |
| Kajiado | 0.0 | 5.8 | 30.3 | 63.9 | 0.6 | 9.1 | 16.7 | 73.6 |
| Kericho | 0.0 | 14.5 | 42.2 | 43.2 | 0.0 | 15.6 | 37.6 | 46.9 |
| Lakipia | 0.0 | 5.2 | 9.9 | 84.9 | 0.0 | 9.2 | 7.7 | 83.1 |
| Nakuru | 1.1 | 43.7 | 21.9 | 33.2 | 5.3 | 42.6 | 16.8 | 35.2 |
| Nandi | 0.0 | 23.9 | 18.5 | 57.6 | 0.0 | 22.4 | 13.6 | 64.0 |
| Narok | 0.0 | 13.8 | 9.9 | 76.3 | 1.9 | 6.0 | 8.1 | 84.0 |
| Bomet | 0.0 | 33.3 | 12.9 | 53.8 | 2.5 | 34.5 | 6.3 | 56.8 |
| Transmara | 0.0 | 0.0 | 10.8 | 89.2 | 0.0 | 2.4 | 17.4 | 80.2 |
| Baringo | 0.0 | 5.0 | 8.2 | 86.8 | 0.0 | 6.2 | 15.7 | 78.0 |
| Elgeyo-Marakwet | 0.0 | 5.9 | 10.2 | 83.9 | 0.0 | 9.1 | 12.9 | 78.0 |
| Trans Nzoia | 0.0 | 18.3 | 18.8 | 62.9 | 0.0 | 31.6 | 23.1 | 45.3 |
| Uasin Gishu | 0.0 | 1.2 | 14.5 | 84.3 | 0.0 | 16.5 | 22.4 | 61.1 |
| West Pokot | 2.2 | 6.6 | 0.0 | 91.2 | 0.0 | 17.0 | 1.5 | 81.5 |
| Western Rural | 0.1 | 20.3 | 16.5 | 63.1 | 0.7 | 26.1 | 18.8 | 54.4 |
| Bungoma | 0.7 | 18.2 | 22.2 | 58.9 | 0.6 | 19.7 | 26.8 | 52.9 |
| Busia | 0.0 | 11.9 | 23.7 | 64.4 | 0.0 | 22.2 | 20.1 | 57.7 |
| Kakamega | 0.0 | 10.8 | 11.9 | 77.3 | 1.3 | 15.9 | 16.4 | 66.4 |
| Vihiga | 0.0 | 42.4 | 12.8 | 44.8 | 0.0 | 59.5 | 12.1 | 28.4 |
| Total Rural | 0.2 | 16.8 | 16.1 | 66.8 | 0.7 | 21.2 | 18.3 | 59.7 |
| Total Urban | 5.7 | 81.1 | 9.8 | 3.5 | 9.0 | 78.5 | 11.4 | 1.1 |
| Nairobi | 6.8 | 82.4 | 5.7 | 5.1 | 11.5 | 74.9 | 12.7 | 0.9 |
| Mombasa | 4.3 | 83.1 | 11.4 | 1.2 | 3.0 | 80.0 | 17.0 | 0.0 |
| Kisumu | 2.7 | 90.9 | 5.1 | 1.3 | 3.5 | 92.6 | 3.9 | 0.0 |
| Nakuru | 10.4 | 86.8 | 1.4 | 1.4 | 10.2 | 85.9 | 2.5 | 1.4 |
| Other urban | 4.1 | 74.9 | 18.6 | 2.4 | 9.2 | 79.1 | 9.8 | 1.9 |
| Nation | 1.2 | 29.2 | 14.9 | 54.7 | 2.5 | 33.4 | 16.9 | 47.3 |

Annex 4.5b: Distribution of Time taken to reach nearest Dispensary (%)

| Region | Poor | | | | Non-Poor | | | |
|-------------------|-----------------|------------------|------------------|----------------|-----------------|------------------|------------------|----------------|
| | < 10 minutes | 10-30 minutes | 30-60 minutes | 60+ minutes | < 10 minutes | 10-30 minutes | 30-60 minutes | 60+ minutes |
| Central Rural | 2.9 | 43.7 | 27.2 | 26.1 | 2.2 | 48.7 | 28.7 | 20.4 |
| Kiambu | 1.9 | 48.6 | 36.4 | 13.1 | 2.4 | 48.9 | 31.8 | 16.9 |
| Kirinyaga | 7.8 | 39.2 | 38.7 | 14.3 | 1.5 | 52.9 | 32.6 | 13.0 |
| Muranga | 1.0 | 47.7 | 19.1 | 32.2 | 3.0 | 48.3 | 29.8 | 18.9 |
| Nyandarua | 8.3 | 27.4 | 13.2 | 51.1 | 5.2 | 28.4 | 19.9 | 46.5 |
| Nyeri | 1.5 | 42.2 | 28.5 | 27.9 | 0.0 | 56.6 | 24.9 | 18.5 |
| Coast Rural | 1.8 | 36.8 | 18.6 | 42.9 | 3.5 | 53.8 | 16.1 | 24.7 |
| Kilifi | 2.0 | 34.0 | 17.1 | 46.9 | 3.4 | 61.5 | 10.5 | 24.5 |
| Kwale | 1.1 | 31.1 | 19.7 | 48.0 | 3.5 | 59.6 | 19.9 | 17.0 |
| Lamu | 7.3 | 85.4 | 3.0 | 4.2 | 4.0 | 60.0 | 6.6 | 29.4 |
| Taita Taveta | 0.7 | 43.4 | 22.4 | 33.5 | 2.8 | 41.1 | 25.5 | 30.5 |
| Tana River | 11.6 | 63.3 | 18.4 | 6.7 | 4.6 | 11.9 | 25.7 | 57.7 |
| Eastern Rural | 1.3 | 32.7 | 17.7 | 48.4 | 0.7 | 40.5 | 19.0 | 39.0 |
| Mbeere | 0.0 | 41.3 | 9.0 | 49.8 | 2.5 | 65.9 | 9.9 | 21.8 |
| Embu | 0.0 | 65.2 | 25.9 | 8.9 | 0.0 | 72.9 | 17.4 | 9.7 |
| Kitui | 2.1 | 22.2 | 12.0 | 63.7 | 2.9 | 31.2 | 4.2 | 61.7 |
| Machakos | 1.6 | 31.9 | 21.7 | 44.8 | 0.8 | 40.9 | 27.4 | 30.9 |
| Meru | 0.0 | 62.2 | 22.4 | 15.3 | 0.0 | 42.9 | 34.3 | 22.9 |
| Makueni | 2.6 | 23.9 | 12.1 | 61.4 | 0.0 | 48.4 | 12.5 | 39.1 |
| Tharaka Nithi | 0.0 | 43.0 | 14.2 | 42.7 | 0.0 | 42.1 | 17.7 | 40.1 |
| Nyambene | 0.0 | 24.9 | 26.2 | 48.9 | 0.0 | 22.8 | 23.8 | 53.4 |
| Nyanza Rural | 0.2 | 37.7 | 28.7 | 33.4 | 1.8 | 35.1 | 29.0 | 34.0 |
| Kisii | 0.0 | 54.6 | 26.2 | 19.2 | 4.0 | 41.3 | 19.7 | 35.1 |
| Kisumu | 0.0 | 44.4 | 26.3 | 29.3 | 3.2 | 48.4 | 26.4 | 22.0 |
| Siaya | 0.4 | 40.6 | 34.9 | 24.1 | 2.2 | 29.8 | 44.1 | 24.0 |
| Homa Bay | 0.0 | 20.2 | 19.9 | 59.9 | 0.0 | 43.2 | 23.0 | 33.9 |
| Migori | 0.0 | 21.6 | 20.5 | 57.9 | 0.8 | 15.7 | 20.2 | 63.3 |
| Nyamira | 0.5 | 44.6 | 38.3 | 16.6 | 0.7 | 46.4 | 31.6 | 21.3 |
| Rift Valley Rural | 0.6 | 29.7 | 24.2 | 45.5 | 2.3 | 34.9 | 25.7 | 37.1 |
| Kajiado | 0.0 | 16.5 | 25.9 | 57.6 | 4.2 | 35.1 | 22.4 | 38.3 |
| Kericho | 0.0 | 44.6 | 39.5 | 15.9 | 1.0 | 41.7 | 39.7 | 17.6 |
| Laikipia | 0.0 | 15.9 | 20.9 | 63.2 | 0.0 | 27.3 | 26.9 | 45.8 |
| Nakuru | 0.1 | 43.4 | 31.3 | 25.2 | 5.2 | 46.9 | 19.0 | 28.8 |
| Nandi | 3.4 | 48.1 | 21.4 | 27.2 | 2.8 | 59.7 | 20.0 | 17.5 |
| Narok | 0.0 | 24.3 | 9.4 | 66.4 | 5.2 | 12.1 | 24.5 | 58.2 |
| Bomet | 0.5 | 24.9 | 14.1 | 60.5 | 2.5 | 26.7 | 22.5 | 48.3 |
| Transmara | 0.0 | 13.3 | 15.4 | 71.3 | 0.0 | 10.2 | 23.2 | 66.6 |
| Baringo | 0.0 | 25.0 | 20.1 | 54.9 | 0.3 | 37.5 | 31.8 | 30.4 |
| Elgeyo-Marakwet | 1.7 | 24.4 | 34.2 | 39.7 | 1.6 | 38.5 | 32.2 | 27.8 |
| Trans Nzoia | 0.0 | 11.0 | 19.4 | 69.6 | 0.0 | 16.8 | 37.0 | 46.3 |
| Uasin Gishu | 0.0 | 17.3 | 32.0 | 50.8 | 0.0 | 17.7 | 22.1 | 60.1 |
| West Pokot | 0.0 | 11.1 | 13.3 | 75.6 | 0.0 | 24.4 | 12.4 | 63.1 |
| Western Rural | 0.9 | 32.6 | 28.4 | 38.2 | 1.6 | 42.4 | 21.3 | 34.8 |
| Bungoma | 0.0 | 32.2 | 24.0 | 43.8 | 1.2 | 41.1 | 25.4 | 32.3 |
| Busia | 0.0 | 15.5 | 34.3 | 50.3 | 0.0 | 22.7 | 32.7 | 44.6 |
| Kakamega | 1.3 | 31.1 | 25.0 | 42.5 | 2.0 | 38.4 | 15.0 | 44.6 |
| Vihiga | 1.5 | 48.0 | 32.9 | 17.7 | 2.2 | 66.0 | 21.6 | 10.2 |
| Total Rural | 1.0 | 34.7 | 24.7 | 39.7 | 2.0 | 41.3 | 25.2 | 31.5 |
| Total Urban | 4.7 | 83.7 | 9.6 | 1.9 | 5.8 | 82.5 | 10.2 | 1.6 |
| Nairobi | 8.0 | 82.7 | 8.7 | 0.6 | 9.2 | 74.1 | 16.2 | 0.4 |
| Mombasa | 0.0 | 90.6 | 7.6 | 1.8 | 3.2 | 94.4 | 2.5 | 0.0 |
| Kisumu | 2.2 | 95.1 | 1.8 | 0.9 | 4.2 | 95.8 | 0.0 | 0.0 |
| Nakuru | 1.6 | 90.6 | 7.2 | 0.7 | 0.0 | 92.2 | 5.6 | 2.1 |
| Other urban | 2.2 | 78.9 | 14.2 | 4.7 | 4.0 | 83.4 | 8.2 | 4.3 |
| Nation | 1.7 | 44.1 | 21.8 | 32.4 | 2.8 | 50.1 | 22.0 | 25.2 |

Annex 4.5c: Distribution of Time taken to reach nearest hospital (%)

| Region | Poor | | | | Non-Poor | | | |
|-------------------|-----------------|------------------|------------------|----------------|-----------------|------------------|------------------|----------------|
| | < 10 minutes | 10-30 minutes | 30-60 minutes | 60+ minutes | < 10 minutes | 10-30 minutes | 30-60 minutes | 60+ minutes |
| Central Rural | 0.0 | 10.2 | 17.0 | 72.8 | 0.3 | 13.8 | 15.7 | 70.2 |
| Kiambu | 0.0 | 20.3 | 30.3 | 49.4 | 0.0 | 21.3 | 19.4 | 59.3 |
| Kirinyaga | 0.0 | 7.7 | 8.6 | 83.7 | 0.0 | 10.2 | 12.3 | 77.4 |
| Muranga | 0.0 | 5.7 | 8.5 | 85.8 | 0.0 | 6.1 | 13.8 | 80.1 |
| Nyandarua | 0.0 | 6.8 | 15.0 | 78.2 | 2.8 | 18.0 | 12.5 | 66.7 |
| Nyeri | 0.0 | 10.2 | 23.8 | 66.0 | 0.0 | 11.7 | 15.8 | 72.5 |
| Coast Rural | 0.5 | 8.0 | 17.3 | 74.2 | 1.2 | 10.2 | 14.6 | 74.0 |
| Kilifi | 0.0 | 7.8 | 19.7 | 72.6 | 0.0 | 5.3 | 8.8 | 85.9 |
| Kwale | 1.1 | 11.0 | 17.4 | 70.4 | 3.5 | 21.5 | 27.9 | 47.1 |
| Lamu | 0.0 | 1.9 | 0.0 | 98.1 | 0.0 | 7.8 | 0.0 | 92.2 |
| Taita Taveta | 0.7 | 5.2 | 15.3 | 78.8 | 0.0 | 2.8 | 12.6 | 84.6 |
| Tana River | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 0.0 | 5.6 | 4.1 | 90.3 | 0.0 | 13.2 | 8.7 | 78.0 |
| Mbeere | 0.0 | 20.6 | 6.4 | 73.0 | 0.0 | 42.5 | 1.6 | 55.9 |
| Embu | 0.0 | 0.9 | 0.0 | 99.1 | 0.0 | 3.9 | 5.1 | 91.0 |
| Kitui | 0.0 | 3.5 | 2.0 | 94.5 | 0.0 | 14.9 | 2.9 | 82.3 |
| Machakos | 0.0 | 1.1 | 7.3 | 91.6 | 0.0 | 7.2 | 10.1 | 82.7 |
| Meru | 0.0 | 10.1 | 17.8 | 72.1 | 0.0 | 16.0 | 29.9 | 54.0 |
| Makueni | 0.0 | 10.0 | 0.9 | 89.1 | 0.0 | 34.7 | 4.2 | 61.1 |
| Tharaka Nithi | 0.0 | 13.4 | 1.3 | 85.3 | 0.0 | 5.4 | 7.8 | 86.8 |
| Nyambene | 0.0 | 0.0 | 2.4 | 97.6 | 0.0 | 0.0 | 3.4 | 96.6 |
| Nyanza Rural | 0.0 | 6.3 | 12.2 | 81.5 | 0.0 | 6.5 | 14.0 | 79.5 |
| Kisii | 0.0 | 0.8 | 24.2 | 75.0 | 0.0 | 4.0 | 20.6 | 75.4 |
| Kisumu | 0.0 | 9.5 | 15.4 | 75.2 | 0.0 | 10.6 | 12.7 | 76.6 |
| Siaya | 0.0 | 2.1 | 13.2 | 84.7 | 0.0 | 3.2 | 12.2 | 84.6 |
| Homa Bay | 0.0 | 0.0 | 6.1 | 93.9 | 0.0 | 0.0 | 20.9 | 79.1 |
| Migori | 0.0 | 10.0 | 9.0 | 81.0 | 0.0 | 4.1 | 7.0 | 88.9 |
| Nyamira | 0.0 | 12.7 | 8.8 | 78.5 | 0.0 | 15.4 | 16.3 | 68.3 |
| Rift Valley Rural | 0.1 | 7.8 | 12.7 | 79.4 | 0.0 | 8.2 | 13.3 | 78.5 |
| Kajiado | 0.0 | 4.7 | 20.4 | 74.9 | 0.0 | 5.0 | 9.5 | 85.5 |
| Kericho | 0.0 | 10.1 | 34.5 | 55.4 | 0.0 | 6.0 | 34.4 | 59.6 |
| Laikipia | 0.0 | 2.3 | 14.0 | 83.7 | 0.0 | 0.3 | 16.5 | 83.2 |
| Nakuru | 0.0 | 20.3 | 17.0 | 62.8 | 0.0 | 18.0 | 14.5 | 67.5 |
| Nandi | 0.3 | 8.5 | 14.1 | 77.1 | 0.0 | 17.9 | 11.7 | 70.4 |
| Narok | 0.0 | 11.4 | 2.0 | 86.6 | 0.0 | 6.3 | 6.5 | 87.3 |
| Bomet | 0.5 | 6.0 | 5.3 | 88.3 | 0.0 | 4.6 | 4.1 | 91.3 |
| Transmara | 0.0 | 0.0 | 10.8 | 89.2 | 0.0 | 2.4 | 14.9 | 82.6 |
| Baringo | 0.0 | 0.0 | 8.5 | 91.5 | 0.4 | 1.9 | 8.7 | 89.0 |
| Elgeyo-Marakwet | 0.0 | 2.0 | 8.5 | 89.5 | 0.0 | 6.0 | 7.4 | 86.6 |
| Trans Nzoia | 0.0 | 0.0 | 3.9 | 96.1 | 0.0 | 0.0 | 11.4 | 88.6 |
| Uasin Gishu | 0.0 | 1.0 | 0.0 | 99.0 | 0.0 | 3.1 | 8.4 | 88.4 |
| West Pokot | 0.0 | 7.5 | 4.1 | 88.4 | 0.0 | 13.2 | 1.5 | 85.2 |
| Western Rural | 0.3 | 6.9 | 10.5 | 82.4 | 0.0 | 7.9 | 15.9 | 76.2 |
| Bungoma | 0.0 | 5.7 | 11.3 | 83.0 | 0.0 | 10.8 | 17.3 | 71.8 |
| Busia | 0.0 | 1.4 | 8.2 | 90.3 | 0.0 | 2.2 | 10.2 | 87.6 |
| Kakamega | 0.7 | 5.9 | 2.9 | 90.5 | 0.0 | 4.2 | 7.9 | 87.9 |
| Vihiga | 0.0 | 13.4 | 22.5 | 64.1 | 0.0 | 15.9 | 34.9 | 49.2 |
| Total Rural | 0.1 | 7.1 | 11.4 | 81.4 | 0.2 | 10.2 | 13.8 | 75.9 |
| Total Urban | 0.5 | 47.5 | 28.3 | 23.7 | 1.4 | 50.7 | 28.6 | 19.3 |
| Nairobi | 0.0 | 36.9 | 28.0 | 35.1 | 0.0 | 36.2 | 33.7 | 30.1 |
| Mombasa | 0.0 | 48.0 | 35.8 | 16.3 | 0.0 | 57.2 | 32.0 | 10.8 |
| Kisumu | 0.0 | 73.0 | 24.9 | 2.1 | 0.0 | 73.8 | 21.1 | 5.1 |
| Nakuru | 0.0 | 48.1 | 30.8 | 21.1 | 0.0 | 55.5 | 27.0 | 17.5 |
| Other urban | 1.9 | 59.2 | 26.2 | 12.7 | 5.0 | 64.1 | 20.6 | 10.3 |
| Nation | 0.2 | 14.9 | 14.6 | 70.3 | 0.4 | 18.8 | 16.9 | 63.9 |

Annex 4.6: Mean expenditures on health by Poverty (KShs)

| Region | Doctor's fees | | Medicine | | Hospital | | Other medical | | Medical insurance | |
|--------------------------|---------------|-------------|-------------|--------------|------------|-------------|---------------|-------------|-------------------|-------------|
| | poor | non-poor | poor | non-poor | poor | non-poor | poor | non-poor | poor | non-poor |
| Central Rural | 0.8 | 6.4 | 11.7 | 125.3 | 1.0 | 21.3 | 0.5 | 16.3 | 0.6 | 2.7 |
| Kiambu | 1.1 | 11.2 | 12.1 | 325.1 | 0.8 | 44.1 | 0.5 | 41.7 | 0.0 | 1.2 |
| Kirinyaga | 0.4 | 7.5 | 30.9 | 88.6 | 1.0 | 0.1 | 1.1 | 13.2 | 2.5 | 6.5 |
| Muranga | 0.6 | 2.0 | 11.1 | 13.3 | 1.8 | 10.7 | 0.2 | 3.9 | 0.7 | 4.5 |
| Nyandarua | 0.7 | 9.6 | 3.5 | 46.6 | 0.0 | 13.2 | 0.3 | 1.1 | 0.0 | 0.4 |
| Nyeri | 1.1 | 2.0 | 1.7 | 17.1 | 0.5 | 15.4 | 0.4 | 2.2 | 0.0 | 1.7 |
| Coast Rural | 0.3 | 6.3 | 8.6 | 25.9 | 0.4 | 3.9 | 0.5 | 1.4 | 0.0 | 1.3 |
| Kilifi | 0.6 | 1.3 | 14.8 | 43.1 | 0.6 | 2.7 | 0.0 | 0.8 | 0.0 | 2.2 |
| Kwale | 0.0 | 2.0 | 3.7 | 3.6 | 0.0 | 1.6 | 1.2 | 1.7 | 0.0 | 0.0 |
| Lamu | 0.0 | 0.0 | 3.0 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 |
| Taita Taveta | 0.0 | 36.2 | 2.8 | 44.6 | 0.4 | 16.1 | 0.4 | 3.9 | 0.0 | 1.2 |
| Tana River | 0.0 | 0.0 | 17.8 | 2.3 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 |
| Eastern Rural | 0.8 | 3.6 | 11.9 | 46.7 | 4.6 | 32.6 | 0.9 | 3.8 | 0.2 | 2.3 |
| Mbeere | 0.0 | 0.0 | 5.9 | 32.3 | 0.0 | 4.2 | 0.4 | 1.3 | 0.1 | 2.9 |
| Embu | 1.1 | 1.3 | 21.2 | 45.4 | 2.6 | 6.9 | 0.1 | 57.7 | 0.1 | 3.9 |
| Kitui | 1.0 | 0.2 | 12.1 | 47.6 | 0.1 | 13.3 | 0.5 | 0.9 | 0.0 | 7.5 |
| Machakos | 0.5 | 18.5 | 12.3 | 93.4 | 6.7 | 43.7 | 0.7 | 0.9 | 0.1 | 0.0 |
| Meru | 0.0 | 0.5 | 14.1 | 39.8 | 5.6 | 45.6 | 1.5 | 1.0 | 0.0 | 1.8 |
| Makueni | 0.0 | 1.7 | 5.6 | 30.6 | 10.2 | 11.1 | 1.7 | 0.1 | 0.1 | 0.0 |
| Tharaka Nithi | 4.6 | 0.0 | 27.9 | 59.1 | 3.5 | 38.5 | 0.5 | 0.0 | 1.6 | 4.6 |
| Nyambene | 0.0 | 0.0 | 7.1 | 17.0 | 2.4 | 53.9 | 0.9 | 0.8 | 0.0 | 0.0 |
| Nyanza Rural | 0.5 | 5.2 | 9.7 | 28.6 | 2.4 | 22.7 | 1.7 | 4.8 | 0.5 | 2.3 |
| Kisii | 0.1 | 2.7 | 6.5 | 29.9 | 1.8 | 3.3 | 0.3 | 0.5 | 0.0 | 0.1 |
| Kisumu | 3.2 | 14.3 | 8.2 | 23.0 | 3.1 | 18.1 | 0.8 | 3.7 | 0.1 | 2.4 |
| Siaya | 0.1 | 5.1 | 16.1 | 32.7 | 2.6 | 11.9 | 2.3 | 5.8 | 0.0 | 1.4 |
| Homa Bay | 0.0 | 0.0 | 6.2 | 17.8 | 1.1 | 73.3 | 0.5 | 0.5 | 0.1 | 3.3 |
| Migori | 0.2 | 6.1 | 11.6 | 30.1 | 4.9 | 29.3 | 1.6 | 8.9 | 2.5 | 0.8 |
| Nyamira | 0.0 | 3.0 | 8.5 | 28.9 | 1.2 | 25.8 | 3.3 | 5.0 | 0.4 | 6.3 |
| Rift Valley Rural | 1.4 | 10.5 | 10.2 | 84.6 | 2.1 | 25.0 | 0.4 | 4.4 | 0.8 | 3.9 |
| Kajiado | 0.0 | 8.2 | 6.0 | 81.8 | 2.4 | 29.3 | 0.0 | 4.5 | 0.0 | 1.0 |
| Kericho | 0.0 | 2.3 | 6.4 | 93.4 | 1.9 | 8.3 | 0.0 | 0.0 | 0.1 | 1.6 |
| Laikipia | 0.0 | 4.6 | 9.4 | 23.9 | 0.7 | 3.3 | 1.4 | 1.5 | 0.0 | 0.0 |
| Nakuru | 0.2 | 13.0 | 12.5 | 129.1 | 1.5 | 1.8 | 0.2 | 3.6 | 0.4 | 7.8 |
| Nandi | 1.8 | 2.7 | 7.5 | 42.4 | 0.2 | 7.1 | 0.2 | 1.9 | 4.3 | 12.1 |
| Narok | 2.1 | 9.1 | 2.3 | 30.2 | 1.7 | 23.1 | 1.0 | 23.1 | 0.0 | 1.1 |
| Bomet | 0.6 | 0.0 | 6.8 | 2.6 | 0.8 | 123.0 | 0.4 | 0.0 | 0.3 | 0.8 |
| Transmara | 6.2 | 67.7 | 33.0 | 275.9 | 2.3 | 193.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| Baringo | 0.0 | 16.4 | 2.9 | 11.0 | 0.4 | 19.0 | 0.7 | 2.6 | 0.9 | 5.5 |
| Elgeyo-Marakwet | 0.7 | 5.8 | 11.7 | 105.4 | 1.8 | 10.9 | 0.7 | 5.8 | 0.3 | 0.8 |
| Trans Nzoia | 5.0 | 11.2 | 21.0 | 102.0 | 1.5 | 25.7 | 0.5 | 13.8 | 0.2 | 0.4 |
| Uasin Gishu | 2.6 | 13.5 | 5.9 | 56.1 | 2.1 | 15.4 | 1.0 | 6.0 | 0.0 | 4.4 |
| West Pokot | 0.0 | 0.0 | 6.5 | 217.3 | 13.4 | 12.6 | 0.1 | 3.6 | 0.4 | 1.3 |
| Western Rural | 0.5 | 4.7 | 14.2 | 46.5 | 3.0 | 13.4 | 2.5 | 3.0 | 0.3 | 1.9 |
| Bungoma | 1.5 | 7.2 | 20.7 | 82.7 | 2.8 | 12.2 | 2.4 | 8.7 | 0.1 | 2.8 |
| Busia | 0.0 | 3.3 | 9.0 | 38.3 | 2.2 | 21.1 | 0.5 | 1.1 | 0.1 | 0.0 |
| Kakamega | 0.6 | 1.4 | 17.8 | 31.8 | 1.3 | 3.0 | 3.2 | 1.3 | 0.6 | 2.9 |
| Vihiga | 0.0 | 9.3 | 7.0 | 34.1 | 6.5 | 32.3 | 2.8 | 0.0 | 0.0 | 0.0 |
| Total Rural | 0.8 | 6.7 | 11.1 | 73.2 | 2.5 | 22.3 | 1.1 | 7.2 | 0.4 | 2.7 |
| Total Urban | 2.9 | 31.0 | 18.4 | 132.0 | 6.4 | 89.1 | 2.2 | 12.8 | 1.7 | 18.8 |
| Nairobi | 1.1 | 30.0 | 12.4 | 162.3 | 8.3 | 167.8 | 0.0 | 9.9 | 0.6 | 25.8 |
| Mombasa | 0.6 | 36.2 | 16.3 | 44.0 | 6.4 | 15.6 | 0.0 | 8.9 | 0.3 | 5.0 |
| Kisumu | 17.2 | 44.6 | 39.1 | 87.4 | 3.1 | 16.3 | 0.8 | 42.3 | 6.0 | 28.4 |
| Nakuru | 2.5 | 44.7 | 45.4 | 205.0 | 0.6 | 28.2 | 3.3 | 22.3 | 9.5 | 36.4 |
| Other urban | 3.6 | 23.8 | 19.6 | 122.5 | 5.1 | 41.3 | 6.7 | 12.8 | 1.5 | 10.1 |
| Nation | 1.2 | 11.8 | 12.5 | 85.7 | 3.3 | 36.4 | 1.3 | 8.4 | 0.7 | 6.1 |

Annex 4.7: Distribution of Place of Delivery by Poverty (%)

| Region | Poor | | | Non Poor | | |
|------------------------|------------------------------|-------------|------------|------------------------------|-------------|------------|
| | Hospital/ Health Facility | At home | Other | Hospital/ Health Facility | At home | Other |
| Central Rural | 68.2 | 31.8 | 0.0 | 73.6 | 25.9 | 0.4 |
| Kiambu | 62.1 | 37.9 | 0.0 | 73.3 | 26.7 | 0.0 |
| Kirinyaga | 63.0 | 37.0 | 0.0 | 74.1 | 22.4 | 3.4 |
| Murang'a | 64.5 | 35.5 | 0.0 | 70.6 | 29.4 | 0.0 |
| Nyandarua | 55.6 | 44.4 | 0.0 | 63.5 | 36.5 | 0.0 |
| Nyeri | 91.2 | 8.8 | 0.0 | 88.5 | 11.5 | 0.0 |
| Coast Rural | 15.7 | 84.3 | 0.0 | 27.0 | 72.4 | 0.5 |
| Kilifi | 10.0 | 90.0 | 0.0 | 23.0 | 77.0 | 0.0 |
| Kwale | 3.1 | 96.9 | 0.0 | 22.5 | 77.5 | 0.0 |
| Lamu | 13.6 | 86.4 | 0.0 | 35.3 | 61.8 | 2.9 |
| Taita Taveta | 40.0 | 60.0 | 0.0 | 41.9 | 58.1 | 0.0 |
| Tana River | 25.0 | 75.0 | 0.0 | 10.5 | 89.5 | 0.0 |
| Eastern Rural | 33.4 | 66.3 | 0.3 | 50.9 | 47.7 | 1.4 |
| Mbeere | 22.7 | 77.3 | 0.0 | 46.9 | 50.0 | 3.1 |
| Embu | 75.0 | 25.0 | 0.0 | 88.9 | 11.1 | 0.0 |
| Kitui | 24.8 | 75.2 | 0.0 | 25.0 | 73.6 | 1.4 |
| Machakos | 20.7 | 79.3 | 0.0 | 41.2 | 58.8 | 0.0 |
| Meru | 78.6 | 21.4 | 0.0 | 96.2 | 3.8 | 0.0 |
| Makueni | 19.7 | 80.3 | 0.0 | 30.3 | 66.7 | 3.0 |
| Tharaka Nithi | 100.0 | 0.0 | 0.0 | 61.1 | 33.3 | 5.6 |
| Nyambene | 50.0 | 46.2 | 3.8 | 69.2 | 30.8 | 0.0 |
| Nyanza Rural | 38.9 | 60.1 | 1.0 | 41.1 | 58.6 | 0.3 |
| Kisii | 49.4 | 50.6 | 0.0 | 47.6 | 52.4 | 0.0 |
| Kisumu | 37.8 | 61.2 | 1.0 | 41.4 | 58.6 | 0.0 |
| Siaya | 35.1 | 63.2 | 1.8 | 40.0 | 60.0 | 0.0 |
| Homa Bay | 14.0 | 84.0 | 2.0 | 14.3 | 85.7 | 0.0 |
| Migori | 38.5 | 59.6 | 1.9 | 26.3 | 71.9 | 1.8 |
| Nyamira | 55.1 | 44.9 | 0.0 | 56.7 | 43.3 | 0.0 |
| R. Valley Rural | 22.3 | 77.7 | 0.0 | 41.3 | 58.6 | 0.1 |
| Kajiado | 19.2 | 80.8 | 0.0 | 42.9 | 55.6 | 1.6 |
| Kericho | 30.9 | 69.1 | 0.0 | 54.8 | 45.2 | 0.0 |
| Laikipia | 25.8 | 74.2 | 0.0 | 47.6 | 52.4 | 0.0 |
| Nakuru | 21.6 | 78.4 | 0.0 | 48.4 | 51.6 | 0.0 |
| Nandi | 20.6 | 79.4 | 0.0 | 25.3 | 74.7 | 0.0 |
| Narok | 14.3 | 85.7 | 0.0 | 21.6 | 78.4 | 0.0 |
| Bomet | 25.4 | 74.6 | 0.0 | 42.5 | 57.5 | 0.0 |
| Transmara | 8.1 | 91.9 | 0.0 | 28.6 | 71.4 | 0.0 |
| Baringo | 32.6 | 67.4 | 0.0 | 42.0 | 58.0 | 0.0 |
| Elgeyo Marakwet | 35.7 | 64.3 | 0.0 | 62.3 | 37.7 | 0.0 |
| Trans Nzoia | 14.9 | 85.1 | 0.0 | 29.3 | 70.7 | 0.0 |
| Uasin Gishu | 23.9 | 76.1 | 0.0 | 46.0 | 54.0 | 0.0 |
| West Pokot | 21.6 | 78.4 | 0.0 | 40.0 | 60.0 | 0.0 |
| Western Rural | 24.2 | 75.5 | 0.3 | 30.6 | 69.4 | 0.0 |
| Bungoma | 21.9 | 77.5 | 0.6 | 28.2 | 71.8 | 0.0 |
| Busia | 14.6 | 85.4 | 0.0 | 17.1 | 82.9 | 0.0 |
| Kakamega | 44.6 | 55.4 | 0.0 | 48.7 | 51.3 | 0.0 |
| Vihiga | 28.2 | 71.8 | 0.0 | 36.8 | 63.2 | 0.0 |
| Total Rural | 30.1 | 69.6 | 0.3 | 46.6 | 53.0 | 0.4 |
| Total Urban | 68.9 | 31.1 | 0.0 | 87.3 | 12.2 | 0.5 |
| Nairobi | 68.8 | 31.3 | 0.0 | 88.9 | 11.1 | 0.0 |
| Mombasa | 52.5 | 47.5 | 0.0 | 77.5 | 20.0 | 2.5 |
| Kisumu | 68.4 | 31.6 | 0.0 | 95.6 | 4.4 | 0.0 |
| Nakuru | 79.5 | 20.5 | 0.0 | 88.0 | 12.0 | 0.0 |
| Other Towns | 70.5 | 29.5 | 0.0 | 86.8 | 12.6 | 0.5 |
| Nation | 35.4 | 64.4 | 0.2 | 52.3 | 47.3 | 0.4 |

Annex 4.8: Distribution of Assistance during Delivery (%)

| Region | Poor | | | | | Non-poor | | | | |
|-------------------|--------|-------|---------|------|------|----------|-------|---------|------|------|
| | Doctor | Nurse | Midwife | TBA | Self | Doctor | Nurse | Midwife | TBA | Self |
| Central | 6.5 | 35.9 | 29.4 | 14.7 | 13.5 | 11.9 | 35.2 | 28.2 | 13.7 | 11.0 |
| Kiambu | 3.4 | 6.9 | 51.7 | 34.5 | 3.4 | 19.0 | 20.0 | 31.4 | 13.3 | 16.2 |
| Kirinyaga | 3.7 | 40.7 | 29.6 | 14.8 | 11.1 | 8.6 | 53.4 | 19.0 | 13.8 | 5.2 |
| Muranga | 1.6 | 50.0 | 16.1 | 12.9 | 19.4 | 2.8 | 36.7 | 33.0 | 17.4 | 10.1 |
| Nyandarua | 16.7 | 5.6 | 33.3 | 5.6 | 38.9 | 10.5 | 20.0 | 33.7 | 20.0 | 15.8 |
| Nyeri | 14.7 | 47.1 | 32.4 | 5.9 | 0.0 | 18.4 | 56.3 | 18.4 | 2.3 | 4.6 |
| Coast | 2.0 | 10.0 | 11.2 | 54.2 | 22.5 | 4.3 | 16.3 | 13.0 | 56.0 | 10.3 |
| Kilifi | 0.0 | 8.0 | 2.0 | 74.0 | 16.0 | 1.6 | 14.8 | 8.2 | 57.4 | 18.0 |
| Kwale | 0.0 | 3.1 | 12.5 | 35.9 | 48.4 | 5.0 | 17.5 | 10.0 | 57.5 | 10.0 |
| Lamu | 0.0 | 18.2 | 0.0 | 81.8 | 0.0 | 12.1 | 12.1 | 12.1 | 60.6 | 3.0 |
| Taita Taveta | 9.1 | 20.0 | 27.3 | 27.3 | 16.4 | 3.2 | 29.0 | 25.8 | 32.3 | 9.7 |
| Tana River | 0.0 | 0.0 | 37.5 | 62.5 | 0.0 | 0.0 | 5.3 | 15.8 | 78.9 | 0.0 |
| Eastern | 3.6 | 13.9 | 23.1 | 48.8 | 10.5 | 5.6 | 18.6 | 28.8 | 36.1 | 10.9 |
| Mbeere | 0.0 | 13.6 | 9.1 | 72.7 | 4.5 | 6.3 | 6.3 | 34.4 | 43.8 | 9.4 |
| Embu | 6.3 | 25.0 | 43.8 | 18.8 | 6.3 | 11.1 | 44.4 | 33.3 | 5.6 | 5.6 |
| Kitui | 2.6 | 13.7 | 9.8 | 64.7 | 9.2 | 1.4 | 16.7 | 8.3 | 58.3 | 15.3 |
| Machakos | 8.6 | 3.4 | 29.3 | 43.1 | 15.5 | 17.6 | 17.6 | 5.9 | 44.1 | 14.7 |
| Meru | 7.1 | 7.1 | 64.3 | 0.0 | 21.4 | 0.0 | 7.7 | 88.5 | 3.8 | 0.0 |
| Makueni | 2.8 | 18.3 | 18.3 | 54.9 | 5.6 | 6.1 | 21.2 | 9.1 | 63.6 | 0.0 |
| Tharaka Nithi | 0.0 | 7.7 | 92.3 | 0.0 | 0.0 | 5.6 | 0.0 | 72.2 | 16.7 | 5.6 |
| Nyambene | 0.0 | 19.2 | 30.8 | 19.2 | 30.8 | 3.8 | 30.8 | 34.6 | 11.5 | 19.2 |
| Nyanza | 3.7 | 27.5 | 9.7 | 32.5 | 26.7 | 2.6 | 25.1 | 14.9 | 41.4 | 16.0 |
| Kisii | 2.6 | 35.5 | 11.8 | 11.8 | 38.2 | 0.0 | 30.6 | 16.9 | 37.1 | 15.3 |
| Kisumu | 9.2 | 24.5 | 6.1 | 51.0 | 9.2 | 5.7 | 12.9 | 24.3 | 42.9 | 14.3 |
| Siaya | 1.8 | 24.6 | 8.8 | 24.6 | 40.4 | 3.6 | 29.1 | 10.9 | 32.7 | 23.6 |
| Homa Bay | 2.0 | 12.0 | 4.0 | 48.0 | 34.0 | 7.1 | 7.1 | 0.0 | 85.7 | 0.0 |
| Migori | 1.9 | 34.6 | 7.7 | 30.8 | 25.0 | 3.5 | 21.1 | 5.3 | 47.4 | 22.8 |
| Nyamira | 0.0 | 32.7 | 22.4 | 22.4 | 22.4 | 0.0 | 40.0 | 16.7 | 40.0 | 3.3 |
| Rift Valley Rural | 2.4 | 11.5 | 14.1 | 55.9 | 16.0 | 3.4 | 22.0 | 18.9 | 45.6 | 10.2 |
| Kajiado | 0.0 | 11.5 | 7.7 | 80.8 | 0.0 | 1.6 | 25.8 | 17.7 | 54.8 | 0.0 |
| Kericho | 10.9 | 10.9 | 20.0 | 49.1 | 9.1 | 2.4 | 26.2 | 28.6 | 35.7 | 7.1 |
| Laikipia | 0.0 | 16.1 | 16.1 | 32.3 | 35.5 | 4.8 | 12.7 | 33.3 | 7.9 | 41.3 |
| Nakuru | 5.9 | 3.9 | 11.8 | 35.3 | 43.1 | 8.6 | 24.7 | 18.3 | 33.3 | 15.1 |
| Nandi | 1.6 | 14.3 | 6.3 | 73.8 | 4.0 | 2.4 | 20.5 | 6.0 | 67.5 | 3.6 |
| Narok | 2.4 | 14.3 | 14.3 | 28.6 | 40.5 | 0.0 | 19.6 | 5.9 | 56.9 | 17.6 |
| Bomet | 0.0 | 14.9 | 23.9 | 52.2 | 9.0 | 5.0 | 27.5 | 12.5 | 52.5 | 2.5 |
| Transmara | 2.7 | 0.0 | 8.1 | 48.6 | 40.5 | 0.0 | 4.8 | 23.8 | 57.1 | 14.3 |
| Baringo | 2.2 | 23.9 | 8.7 | 65.2 | 0.0 | 2.0 | 22.0 | 22.0 | 53.0 | 1.0 |
| Elgeyo Marakwet | 0.0 | 25.0 | 21.4 | 53.6 | 0.0 | 1.9 | 47.2 | 15.1 | 35.8 | 0.0 |
| Trans Nzoia | 3.0 | 9.0 | 6.0 | 41.8 | 40.3 | 8.6 | 22.4 | 3.4 | 36.2 | 29.3 |
| Uasin Gishu | 0.0 | 1.5 | 25.4 | 70.1 | 3.0 | 1.1 | 11.5 | 33.3 | 50.6 | 3.4 |
| West Pokot | 2.0 | 9.8 | 19.6 | 66.7 | 2.0 | 2.9 | 17.1 | 25.7 | 54.3 | 0.0 |
| Western | 4.0 | 9.4 | 13.7 | 37.0 | 35.9 | 3.0 | 10.3 | 21.4 | 43.2 | 22.2 |
| Bungoma | 5.0 | 8.8 | 12.5 | 36.9 | 36.9 | 4.3 | 9.2 | 19.1 | 49.6 | 17.7 |
| Busia | 0.0 | 6.3 | 9.4 | 39.6 | 44.8 | 0.0 | 8.6 | 8.6 | 40.0 | 42.9 |
| Kakamega | 3.6 | 21.4 | 19.6 | 33.9 | 21.4 | 0.0 | 15.4 | 33.3 | 23.1 | 28.2 |
| Vihiga | 10.3 | 2.6 | 20.5 | 35.9 | 30.8 | 5.3 | 10.5 | 36.8 | 42.1 | 5.3 |
| Total Rural | 3.4 | 16.0 | 15.7 | 44.4 | 20.5 | 5.3 | 23.0 | 21.1 | 38.0 | 12.5 |
| Total Urban | 7.4 | 36.2 | 29.9 | 15.1 | 11.4 | 19.7 | 37.3 | 31.1 | 8.4 | 3.5 |
| Nairobi | 12.5 | 12.5 | 46.9 | 15.6 | 12.5 | 28.9 | 15.6 | 44.4 | 4.4 | 6.7 |
| Mombasa | 12.5 | 37.5 | 10.0 | 25.0 | 15.0 | 45.0 | 32.5 | 2.5 | 15.0 | 5.0 |
| Kisumu | 8.8 | 33.3 | 29.8 | 24.6 | 3.5 | 15.6 | 55.6 | 24.4 | 2.2 | 2.2 |
| Nakuru | 5.1 | 33.3 | 43.6 | 2.6 | 15.4 | 28.0 | 32.0 | 28.0 | 6.0 | 6.0 |
| Other Towns | 5.5 | 41.5 | 28.4 | 12.6 | 12.0 | 11.1 | 40.5 | 36.3 | 10.0 | 2.1 |
| Nation | 3.9 | 18.8 | 17.6 | 40.4 | 19.3 | 7.3 | 25.0 | 22.5 | 33.9 | 11.3 |

Annex 4.9: Immunization Coverage of Under Fives by Antigen (%)

| Region | Poor | | Non Poor | | Poor | | Non Poor | | Poor | | Non Poor | | Poor | | Non Poor | | Poor | | Non Poor | |
|--------------------------|-------|-------|----------|-------|-------|-------|----------|-------|--------|--------|----------|--------|--------|--------|----------|--------|---------|---------|----------|--|
| | BCG | BCG | DPT1 | DPT1 | DPT2 | DPT2 | DPT3 | DPT3 | PolioB | PolioB | Polio1 | Polio1 | Polio2 | Polio2 | Polio3 | Polio3 | Measles | Measles | | |
| Central Rural | 96.4 | 98.9 | 94.0 | 98.9 | 94.6 | 98.6 | 91.0 | 97.3 | 91.0 | 95.9 | 94.0 | 98.6 | 94.6 | 98.4 | 91.0 | 96.6 | 87.5 | 90.0 | | |
| Kiambu | 100.0 | 99.0 | 96.6 | 99.0 | 96.6 | 98.0 | 93.1 | 94.0 | 93.1 | 96.0 | 96.6 | 99.0 | 96.6 | 97.0 | 93.1 | 92.0 | 79.3 | 87.1 | | |
| Kirinyaga | 88.9 | 100.0 | 88.9 | 100.0 | 88.9 | 100.0 | 81.5 | 98.3 | 88.9 | 100.0 | 88.9 | 100.0 | 88.9 | 100.0 | 81.5 | 98.3 | 77.8 | 94.8 | | |
| Murang'a | 96.7 | 100.0 | 93.2 | 100.0 | 96.6 | 100.0 | 91.5 | 99.1 | 89.7 | 93.5 | 93.2 | 99.1 | 96.6 | 100.0 | 91.5 | 99.1 | 95.0 | 89.8 | | |
| Nyandarua | 100.0 | 96.8 | 94.7 | 96.8 | 89.5 | 96.7 | 89.5 | 95.7 | 89.5 | 94.7 | 94.7 | 96.8 | 89.5 | 96.8 | 89.5 | 94.6 | 84.2 | 84.9 | | |
| Nyeri | 97.0 | 98.8 | 97.0 | 98.8 | 97.0 | 98.8 | 97.0 | 100.0 | 93.9 | 97.5 | 97.0 | 98.8 | 97.0 | 98.8 | 97.0 | 100.0 | 90.9 | 96.3 | | |
| Coast Rural | 96.3 | 96.8 | 96.4 | 97.3 | 94.7 | 96.8 | 93.2 | 94.7 | 63.1 | 87.6 | 96.4 | 97.3 | 94.7 | 96.3 | 93.2 | 94.7 | 84.7 | 88.5 | | |
| Kilifi | 91.4 | 96.7 | 91.4 | 96.7 | 88.2 | 95.1 | 84.9 | 90.2 | 47.8 | 72.1 | 91.4 | 96.7 | 88.2 | 93.4 | 84.9 | 90.2 | 72.0 | 80.6 | | |
| Kwale | 98.5 | 97.6 | 98.6 | 100.0 | 98.6 | 100.0 | 98.6 | 97.7 | 51.4 | 97.6 | 98.6 | 100.0 | 98.6 | 100.0 | 98.6 | 97.7 | 93.1 | 95.6 | | |
| Lamu | 100.0 | 94.4 | 100.0 | 94.7 | 95.2 | 94.7 | 95.2 | 94.7 | 89.5 | 92.1 | 100.0 | 94.7 | 95.2 | 94.7 | 95.2 | 94.7 | 85.7 | 92.1 | | |
| Taita Taveta | 100.0 | 96.4 | 100.0 | 96.3 | 100.0 | 96.0 | 98.2 | 96.2 | 96.4 | 92.3 | 100.0 | 96.3 | 100.0 | 96.0 | 98.2 | 96.2 | 94.4 | 85.2 | | |
| Tana River | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 50.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 87.5 | 94.7 | | |
| Eastern Rural | 97.9 | 99.6 | 96.1 | 98.2 | 94.0 | 96.9 | 88.6 | 92.3 | 82.2 | 93.4 | 96.1 | 98.6 | 94.0 | 97.2 | 88.6 | 92.7 | 82.4 | 83.6 | | |
| Mbeere | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 90.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 90.5 | 100.0 | 85.7 | 90.6 | | |
| Embu | 97.0 | 100.0 | 96.9 | 100.0 | 97.0 | 100.0 | 93.9 | 100.0 | 97.0 | 100.0 | 96.9 | 100.0 | 97.0 | 100.0 | 93.9 | 100.0 | 93.9 | 89.5 | | |
| Kitui | 95.5 | 100.0 | 93.5 | 98.6 | 89.9 | 94.4 | 87.2 | 87.3 | 69.5 | 83.1 | 93.5 | 98.6 | 89.9 | 94.4 | 87.2 | 87.3 | 80.1 | 83.1 | | |
| Machakos | 100.0 | 100.0 | 100.0 | 100.0 | 98.5 | 100.0 | 86.2 | 94.3 | 89.1 | 91.4 | 100.0 | 100.0 | 98.5 | 100.0 | 86.2 | 94.3 | 80.0 | 77.1 | | |
| Meru | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 92.3 | 96.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 92.3 | 96.2 | 100.0 | 84.6 | | |
| Makueni | 98.6 | 97.0 | 95.6 | 97.0 | 94.2 | 90.9 | 94.3 | 84.8 | 78.3 | 90.9 | 95.6 | 97.0 | 94.2 | 90.9 | 94.3 | 84.8 | 85.9 | 84.8 | | |
| Tharaka Nithi | 100.0 | 100.0 | 93.3 | 100.0 | 93.3 | 100.0 | 93.3 | 100.0 | 100.0 | 100.0 | 93.3 | 100.0 | 93.3 | 100.0 | 93.3 | 100.0 | 86.7 | 100.0 | | |
| Nyambene | 100.0 | 100.0 | 96.4 | 94.1 | 92.9 | 96.1 | 75.0 | 90.2 | 92.6 | 98.0 | 96.4 | 96.1 | 92.9 | 98.0 | 75.0 | 92.2 | 64.3 | 74.5 | | |
| Nyanza Rural | 82.6 | 90.5 | 78.2 | 88.5 | 74.6 | 87.0 | 70.8 | 83.0 | 69.8 | 79.6 | 78.1 | 88.2 | 75.1 | 86.7 | 70.7 | 83.0 | 63.3 | 77.1 | | |
| Kisii | 98.6 | 98.3 | 96.1 | 98.5 | 89.7 | 96.9 | 89.7 | 95.4 | 86.3 | 88.4 | 96.1 | 98.5 | 91.0 | 96.9 | 89.7 | 95.4 | 77.5 | 93.1 | | |
| Kisumu | 89.8 | 97.1 | 84.3 | 95.8 | 78.4 | 94.4 | 74.5 | 86.1 | 76.2 | 84.7 | 84.2 | 94.4 | 79.2 | 93.1 | 74.3 | 86.1 | 69.7 | 76.4 | | |
| Siaya | 81.8 | 77.8 | 67.9 | 75.4 | 69.8 | 73.2 | 63.0 | 69.6 | 55.6 | 72.7 | 67.9 | 75.4 | 69.8 | 73.2 | 63.0 | 69.6 | 51.9 | 56.1 | | |
| Homa Bay | 46.5 | 60.0 | 47.6 | 50.0 | 34.1 | 53.8 | 28.6 | 46.2 | 37.2 | 28.6 | 47.6 | 50.0 | 34.1 | 53.8 | 28.6 | 46.2 | 25.0 | 46.2 | | |
| Migori | 77.1 | 76.4 | 58.0 | 72.2 | 61.2 | 68.5 | 54.9 | 63.0 | 58.0 | 61.8 | 58.0 | 72.2 | 61.2 | 68.5 | 54.9 | 63.0 | 49.0 | 58.5 | | |
| Nyamira | 84.1 | 100.0 | 97.7 | 100.0 | 97.7 | 100.0 | 97.7 | 100.0 | 90.0 | 100.0 | 97.7 | 100.0 | 97.7 | 100.0 | 97.7 | 100.0 | 93.0 | 96.4 | | |
| Rift Valley Rural | 95.5 | 95.5 | 93.4 | 96.4 | 92.3 | 95.1 | 86.9 | 92.4 | 82.1 | 91.5 | 93.3 | 96.6 | 92.3 | 95.5 | 86.0 | 92.5 | 77.9 | 86.8 | | |
| Kajiado | 95.7 | 96.8 | 95.2 | 95.0 | 90.0 | 93.2 | 89.5 | 93.1 | 71.4 | 88.5 | 95.2 | 95.0 | 90.0 | 93.2 | 89.5 | 93.1 | 77.3 | 85.2 | | |
| Kericho | 100.0 | 100.0 | 100.0 | 97.8 | 96.1 | 100.0 | 94.1 | 100.0 | 94.1 | 100.0 | 100.0 | 97.8 | 98.0 | 100.0 | 92.2 | 100.0 | 88.5 | 91.1 | | |
| Laikipia | 100.0 | 100.0 | 97.1 | 100.0 | 100.0 | 100.0 | 97.1 | 98.5 | 76.5 | 93.9 | 97.1 | 100.0 | 100.0 | 100.0 | 97.1 | 97.0 | 91.2 | 92.4 | | |
| Nakuru | 98.1 | 98.9 | 96.4 | 99.0 | 96.4 | 99.0 | 94.5 | 97.9 | 87.3 | 94.7 | 96.4 | 99.0 | 96.4 | 99.0 | 94.5 | 97.9 | 72.7 | 91.7 | | |
| Nandi | 92.9 | 97.6 | 92.1 | 96.4 | 91.1 | 91.6 | 86.9 | 85.5 | 67.7 | 87.8 | 92.1 | 96.4 | 91.1 | 91.6 | 86.9 | 85.5 | 73.6 | 81.7 | | |
| Narok | 92.9 | 75.5 | 92.1 | 85.1 | 92.1 | 85.1 | 82.1 | 78.7 | 81.6 | 78.7 | 92.3 | 85.1 | 92.3 | 85.1 | 82.1 | 78.7 | 79.5 | 74.5 | | |
| Boinet | 98.5 | 94.6 | 97.0 | 94.6 | 95.5 | 94.6 | 87.7 | 89.2 | 84.6 | 86.5 | 95.5 | 94.6 | 93.9 | 94.6 | 86.2 | 89.2 | 78.8 | 81.1 | | |
| Transmara | 81.3 | 75.0 | 75.8 | 80.0 | 87.1 | 75.0 | 68.8 | 60.0 | 79.4 | 80.0 | 75.8 | 80.0 | 83.9 | 75.0 | 60.6 | 60.0 | 51.4 | 65.0 | | |
| Baringo | 100.0 | 99.0 | 100.0 | 100.0 | 100.0 | 99.0 | 95.7 | 95.9 | 97.9 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 95.7 | 95.9 | 89.1 | 92.2 | | |
| Elgeyo Marakwet | 97.1 | 95.1 | 94.4 | 94.9 | 94.4 | 93.3 | 86.5 | 93.3 | 81.1 | 85.2 | 94.4 | 96.7 | 97.2 | 96.7 | 86.5 | 95.0 | 76.3 | 82.0 | | |
| Trans Nzoia | 94.9 | 98.2 | 85.1 | 98.4 | 80.6 | 96.7 | 75.0 | 95.0 | 80.0 | 95.2 | 85.1 | 98.4 | 80.6 | 96.7 | 73.5 | 95.0 | 74.6 | 92.1 | | |
| Uasin Gishu | 92.1 | 92.1 | 98.4 | 97.3 | 93.5 | 93.2 | 86.9 | 93.2 | 85.2 | 87.1 | 98.4 | 97.3 | 93.5 | 94.6 | 86.9 | 94.6 | 79.0 | 85.1 | | |
| West Pokot | 100.0 | 97.0 | 89.4 | 97.1 | 87.2 | 100.0 | 85.1 | 94.1 | 93.6 | 100.0 | 89.4 | 97.1 | 87.2 | 100.0 | 85.1 | 94.1 | 85.1 | 94.1 | | |
| Western Rural | 93.0 | 94.2 | 90.1 | 92.4 | 87.6 | 89.9 | 82.8 | 84.6 | 67.9 | 73.7 | 89.8 | 92.4 | 87.3 | 89.9 | 82.6 | 84.6 | 69.6 | 72.8 | | |
| Bungoma | 86.1 | 93.4 | 87.1 | 91.0 | 85.2 | 89.0 | 78.7 | 81.4 | 54.7 | 65.9 | 87.1 | 91.0 | 85.2 | 89.0 | 78.7 | 81.4 | 66.7 | 67.6 | | |
| Busia | 100.0 | 96.6 | 91.2 | 94.3 | 90.1 | 88.2 | 87.4 | 91.7 | 78.0 | 82.9 | 90.1 | 94.3 | 89.0 | 88.2 | 87.4 | 91.7 | 69.1 | 72.2 | | |
| Kakamega | 98.2 | 97.4 | 92.2 | 94.7 | 87.3 | 92.1 | 86.2 | 84.6 | 78.4 | 84.6 | 92.2 | 94.7 | 87.3 | 92.1 | 84.5 | 84.6 | 72.1 | 81.4 | | |
| Vihiga | 97.2 | 89.5 | 97.3 | 95.0 | 92.1 | 95.0 | 83.3 | 95.0 | 78.4 | 90.0 | 97.3 | 95.0 | 92.1 | 95.0 | 83.3 | 95.0 | 78.9 | 94.7 | | |
| Total Rural | 93.6 | 95.9 | 91.2 | 95.5 | 89.3 | 94.4 | 84.9 | 91.2 | 76.5 | 88.6 | 91.1 | 95.5 | 89.4 | 94.4 | 84.5 | 91.2 | 76.4 | 84.2 | | |
| Total Urban | 98.8 | 98.8 | 96.9 | 98.6 | 96.9 | 98.4 | 95.2 | 96.8 | 92.4 | 95.5 | 96.9 | 98.4 | 96.9 | 98.4 | 95.2 | 96.8 | 88.1 | 88.4 | | |
| Nairobi | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 94.4 | 98.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 88.6 | 87.8 | | |
| Mombasa | 97.4 | 95.0 | 92.5 | 95.0 | 95.0 | 95.0 | 90.0 | 95.0 | 84.6 | 90.0 | 92.5 | 95.0 | 95.0 | 95.0 | 90.0 | 95.0 | 92.5 | 90.0 | | |
| Kisumu | 100.0 | 100.0 | 100.0 | 95.7 | 100.0 | 97.9 | 98.3 | 93.6 | 93.1 | 93.6 | 100.0 | 97.9 | 100.0 | 97.9 | 98.3 | 93.6 | 84.5 | 83.0 | | |
| Nakuru | 97.4 | 100.0 | 95.1 | 100.0 | 95.1 | 100.0 | 95.1 | 96.2 | 95.1 | 98.1 | 95.1 | 100.0 | 95.1 | 100.0 | 95.1 | 96.2 | 87.5 | 92.5 | | |
| Other Towns | 98.8 | 98.9 | 96.6 | 99.4 | 96.0 | 98.4 | 94.4 | 97.3 | 92.7 | 95.7 | 96.6 | 98.4 | 96.0 | 98.4 | 94.4 | 97.3 | 88.3 | 88.5 | | |
| Nation | 94.3 | 96.3 | 92.0 | 96.0 | 90.4 | 94.9 | 86.3 | 92.0 | 78.7 | 89.6 | 91.9 | 95.9 | 90.4 | 95.0 | 86.0 | 92.0 | 78.0 | 84.8 | | |

Annex 5.1a Distribution of Poor households by Land holding and Cattle ownership (%)

| | N | Land Holding (Acres) | | | | | | Cattle Ownership (Number) | | | | |
|--------------------------|------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|---------------------------------|-------------|-------------|-------------|------------|
| | | No Land | < 1 | 1-1.99 | 2-3.99 | 4-9.99 | 10+ | No Cattle | 1 | 2-5 | 6-15 | 16+ |
| Central Rural | 213,415 | 15.8 | 22.0 | 27.7 | 24.7 | 8.8 | 1.1 | 44.4 | 24.0 | 30.0 | 1.7 | 0.0 |
| Kiambu | 47,638 | 21.3 | 27.8 | 32.5 | 15.5 | 3.0 | 0.0 | 40.2 | 21.1 | 35.6 | 3.0 | 0.0 |
| Kirinyaga | 31,824 | 20.1 | 13.5 | 21.7 | 25.3 | 16.2 | 3.2 | 50.4 | 20.8 | 27.8 | 1.0 | 0.0 |
| Muranga | 72,627 | 7.5 | 24.8 | 31.9 | 27.5 | 8.2 | 0.0 | 37.5 | 27.0 | 35.5 | 0.0 | 0.0 |
| Nyandarua | 19,158 | 14.7 | 6.6 | 21.6 | 36.7 | 13.1 | 7.3 | 46.9 | 20.4 | 27.2 | 5.5 | 0.0 |
| Nyeri | 42,169 | 21.1 | 23.9 | 22.2 | 24.2 | 8.6 | 0.0 | 55.0 | 26.0 | 17.1 | 1.9 | 0.0 |
| Coast Rural | 134,769 | 13.3 | 3.3 | 16.0 | 33.2 | 29.2 | 4.9 | 79.3 | 3.7 | 9.6 | 4.2 | 3.2 |
| Kilifi | 59,592 | 11.3 | 3.7 | 22.4 | 31.1 | 26.3 | 5.3 | 81.9 | 2.2 | 9.0 | 3.3 | 3.6 |
| Kwale | 43,218 | 12.8 | 0.6 | 7.5 | 36.5 | 39.4 | 3.2 | 90.7 | 2.1 | 0.0 | 3.1 | 4.1 |
| Lamu | 3,615 | 45.2 | 0.0 | 12.6 | 21.1 | 18.2 | 3.0 | 84.1 | 13.6 | 2.3 | 0.0 | 0.0 |
| Taita Taveta | 26,169 | 14.3 | 7.6 | 17.6 | 33.5 | 20.4 | 6.6 | 53.7 | 8.8 | 27.8 | 8.7 | 0.9 |
| Tana River | 2,175 | 12.5 | 0.0 | 0.0 | 43.5 | 32.4 | 11.6 | 77.2 | 0.0 | 11.4 | 5.7 | 5.7 |
| Eastern Rural | 378,345 | 11.4 | 7.2 | 19.1 | 28.5 | 22.6 | 11.3 | 46.1 | 12.9 | 33.2 | 6.8 | 0.9 |
| Mbore | 15,846 | 4.6 | 8.5 | 10.4 | 41.4 | 21.4 | 13.8 | 50.4 | 4.2 | 39.2 | 6.1 | 0.0 |
| Embu | 20,709 | 2.2 | 25.0 | 30.4 | 21.3 | 20.1 | 1.0 | 44.1 | 14.0 | 40.6 | 0.0 | 1.3 |
| Kitui | 76,346 | 3.9 | 1.2 | 3.9 | 18.9 | 46.0 | 26.2 | 55.2 | 5.8 | 25.3 | 10.9 | 2.8 |
| Machakos | 83,626 | 14.5 | 7.2 | 26.0 | 26.6 | 16.1 | 9.7 | 48.5 | 14.5 | 34.8 | 2.2 | 0.0 |
| Meru | 26,134 | 12.9 | 2.9 | 27.5 | 24.6 | 20.3 | 11.9 | 37.6 | 23.2 | 37.9 | 1.2 | 0.0 |
| Makueni | 71,554 | 30.3 | 5.3 | 17.9 | 18.5 | 16.1 | 11.9 | 47.3 | 7.7 | 35.2 | 9.1 | 0.6 |
| Tharaka Nithi | 31,516 | 1.6 | 10.9 | 28.3 | 49.5 | 9.8 | 0.0 | 37.8 | 34.1 | 25.9 | 0.0 | 2.2 |
| Nyambene | 52,615 | 2.3 | 10.9 | 20.1 | 47.8 | 17.7 | 1.2 | 36.4 | 12.1 | 36.9 | 14.6 | 0.0 |
| Nyanza Rural | 497,006 | 9.9 | 8.8 | 23.6 | 35.9 | 17.8 | 4.0 | 41.2 | 10.8 | 34.2 | 10.1 | 3.7 |
| Kisii | 65,271 | 9.0 | 11.9 | 40.1 | 31.5 | 7.1 | 0.3 | 33.3 | 21.9 | 43.6 | 1.1 | 0.2 |
| Kisumu | 71,967 | 9.6 | 20.4 | 24.8 | 32.8 | 9.6 | 2.8 | 57.0 | 3.9 | 24.3 | 11.8 | 3.1 |
| Siaya | 91,266 | 6.4 | 8.0 | 31.2 | 39.2 | 14.0 | 1.2 | 63.3 | 7.6 | 21.9 | 6.8 | 0.5 |
| Homa Bay | 80,198 | 27.6 | 4.5 | 16.4 | 30.5 | 18.6 | 2.5 | 38.4 | 5.9 | 26.5 | 16.4 | 12.8 |
| Migori | 75,268 | 4.9 | 8.4 | 9.4 | 27.2 | 35.1 | 15.0 | 34.1 | 8.8 | 29.7 | 26.7 | 0.8 |
| Nyamira | 113,035 | 4.1 | 3.7 | 21.5 | 47.5 | 20.2 | 2.9 | 24.7 | 16.2 | 53.5 | 1.5 | 4.0 |
| Rift Valley Rural | 479,823 | 14.3 | 10.3 | 17.9 | 26.3 | 20.6 | 10.6 | 40.6 | 6.9 | 34.6 | 12.8 | 5.1 |
| Kajiado | 13,788 | 49.9 | 2.6 | 15.8 | 20.6 | 4.1 | 7.0 | 30.9 | 3.0 | 18.3 | 17.4 | 30.4 |
| Kericho | 61,268 | 10.8 | 10.0 | 12.7 | 36.4 | 18.8 | 11.2 | 31.0 | 6.6 | 52.5 | 7.0 | 2.9 |
| Laikipia | 14,567 | 5.9 | 3.5 | 22.8 | 26.0 | 36.4 | 5.4 | 67.8 | 4.1 | 21.6 | 6.5 | 0.0 |
| Nakuru | 80,657 | 20.8 | 18.4 | 19.0 | 28.0 | 10.0 | 3.7 | 75.9 | 6.8 | 13.1 | 2.3 | 2.0 |
| Nandi | 60,715 | 6.1 | 7.8 | 15.6 | 27.8 | 28.3 | 14.3 | 36.3 | 10.5 | 36.6 | 15.2 | 1.4 |
| Narok | 21,876 | 24.7 | 0.0 | 0.0 | 15.3 | 39.8 | 20.2 | 12.2 | 11.4 | 43.2 | 23.0 | 10.2 |
| Bomet | 55,982 | 6.5 | 12.0 | 21.7 | 23.3 | 24.7 | 11.8 | 22.7 | 10.9 | 49.7 | 12.2 | 4.4 |
| Transmara | 24,135 | 24.9 | 3.4 | 9.1 | 16.2 | 23.5 | 22.9 | 17.3 | 0.0 | 41.9 | 23.1 | 17.8 |
| Baringo | 23,878 | 3.6 | 9.2 | 15.4 | 37.9 | 14.1 | 19.8 | 29.8 | 3.4 | 33.4 | 23.3 | 10.1 |
| Elgeyo-Marakwet | 21,499 | 7.8 | 3.4 | 20.9 | 24.7 | 20.8 | 22.5 | 18.0 | 8.7 | 48.5 | 22.6 | 2.2 |
| Trans Nzoia | 44,555 | 20.1 | 12.4 | 26.2 | 28.7 | 12.6 | 0.0 | 74.7 | 8.7 | 14.4 | 2.2 | 0.0 |
| Uasin Gishu | 27,228 | 15.8 | 5.6 | 14.6 | 16.4 | 32.5 | 15.1 | 21.0 | 4.6 | 46.1 | 26.1 | 2.2 |
| West Pokot | 29,676 | 9.5 | 17.4 | 32.5 | 19.1 | 19.6 | 1.9 | 29.5 | 0.0 | 35.4 | 23.2 | 11.9 |
| Western Rural | 307,028 | 6.0 | 17.2 | 28.0 | 26.2 | 19.2 | 3.5 | 49.0 | 9.6 | 35.2 | 5.3 | 0.9 |
| Bungoma | 67,223 | 12.3 | 7.7 | 24.0 | 29.0 | 23.3 | 3.6 | 47.0 | 8.4 | 38.8 | 4.3 | 1.5 |
| Busia | 55,085 | 9.3 | 3.1 | 15.6 | 37.6 | 28.8 | 5.6 | 73.9 | 8.3 | 11.8 | 5.9 | 0.0 |
| Kakamega | 110,185 | 4.5 | 10.8 | 25.5 | 29.6 | 24.9 | 4.7 | 42.0 | 8.6 | 38.7 | 9.1 | 1.6 |
| Vihiga | 74,535 | 0.0 | 45.4 | 44.5 | 10.1 | 0.0 | 0.0 | 42.6 | 13.2 | 44.2 | 0.0 | 0.0 |
| Total Rural | 2,010,386 | 11.5 | 11.2 | 22.0 | 29.4 | 19.4 | 6.6 | 46.1 | 11.0 | 32.2 | 8.1 | 2.7 |
| Total Urban | 478,552 | 70.6 | 3.6 | 7.0 | 10.4 | 6.9 | 1.5 | 83.8 | 1.2 | 11.6 | 2.1 | 1.3 |
| Nairobi | 231,043 | 73.0 | 3.4 | 5.4 | 10.7 | 5.4 | 2.1 | 81.2 | 1.2 | 13.8 | 2.1 | 1.7 |
| Mombasa | 52,127 | 54.2 | 3.4 | 11.4 | 9.4 | 20.9 | 0.7 | 82.7 | 1.6 | 12.7 | 1.4 | 1.7 |
| Kisumu | 30,796 | 61.2 | 4.8 | 3.5 | 26.5 | 4.1 | 0.0 | 83.3 | 1.6 | 8.6 | 6.5 | 0.0 |
| Nakuru | 26,378 | 88.9 | 2.0 | 6.4 | 2.2 | 0.5 | 0.0 | 96.4 | 0.0 | 2.1 | 1.5 | 0.0 |
| Other urban | 138,208 | 71.4 | 4.2 | 8.8 | 8.4 | 5.8 | 1.4 | 86.1 | 1.3 | 10.0 | 1.4 | 1.2 |
| Nation | 2,488,938 | 22.8 | 9.7 | 19.1 | 25.7 | 17.0 | 5.6 | 53.3 | 9.1 | 28.2 | 6.9 | 2.4 |

Annex 5.1b: Distribution of Non-Poor households by Land holding and Cattle ownership (%)

| | N | Land Holding (Acres) | | | | | | Cattle Ownership (Number) | | | | |
|--------------------------|------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|---------------------------------|-------------|-------------|-------------|------------|
| | | No Land | < 1 | 1-1.99 | 2-3.99 | 4-9.99 | 10+ | No Cattle | 1 | 2-5 | 6-15 | 16+ |
| Central Rural | 623,638 | 17.5 | 21.3 | 26.5 | 21.1 | 10.4 | 3.3 | 42.9 | 22.3 | 31.3 | 2.8 | 0.8 |
| Kiambu | 197,563 | 27.9 | 22.0 | 21.5 | 17.5 | 9.4 | 1.8 | 45.2 | 19.2 | 31.4 | 3.1 | 1.1 |
| Kirinyaga | 73,429 | 16.7 | 23.5 | 20.8 | 22.9 | 13.6 | 2.5 | 47.0 | 22.5 | 27.5 | 2.4 | 0.6 |
| Muranga | 153,243 | 5.9 | 25.7 | 36.4 | 20.3 | 8.0 | 3.6 | 34.7 | 31.7 | 32.6 | 1.1 | 0.0 |
| Nyandarua | 66,341 | 11.4 | 9.3 | 23.3 | 28.5 | 15.4 | 12.1 | 37.3 | 15.5 | 37.4 | 7.1 | 2.7 |
| Nyeri | 133,062 | 18.9 | 19.8 | 27.2 | 22.6 | 10.3 | 1.3 | 49.3 | 19.4 | 28.7 | 2.3 | 0.3 |
| Coast Rural | 126,826 | 41.1 | 1.6 | 7.5 | 24.5 | 16.7 | 8.6 | 80.7 | 2.9 | 10.0 | 2.9 | 3.5 |
| Kilifi | 52,939 | 38.2 | 1.1 | 6.0 | 28.9 | 15.4 | 10.4 | 86.4 | 0.0 | 8.7 | 4.1 | 0.9 |
| Kwale | 41,687 | 49.6 | 0.0 | 9.7 | 20.6 | 14.9 | 5.1 | 93.8 | 0.0 | 4.1 | 2.0 | 0.0 |
| Lamu | 8,899 | 44.4 | 0.0 | 4.2 | 10.4 | 20.3 | 20.7 | 91.0 | 2.5 | 0.9 | 5.5 | 0.0 |
| Taita Taveta | 17,859 | 18.0 | 8.2 | 10.5 | 28.8 | 26.5 | 8.0 | 41.5 | 19.2 | 35.0 | 1.0 | 3.2 |
| Tana River | 5,442 | 73.3 | 0.0 | 0.0 | 20.7 | 6.0 | 0.0 | 37.3 | 0.0 | 0.0 | 0.0 | 62.7 |
| Eastern Rural | 334,615 | 10.2 | 7.2 | 19.4 | 29.8 | 20.9 | 12.6 | 35.4 | 13.7 | 40.7 | 8.1 | 2.2 |
| Mbeere | 20,600 | 22.1 | 6.5 | 9.3 | 37.0 | 16.7 | 8.4 | 61.1 | 8.0 | 28.6 | 1.2 | 1.2 |
| Embu | 17,988 | 5.9 | 17.6 | 24.8 | 37.8 | 13.9 | 0.0 | 31.3 | 19.4 | 49.4 | 0.0 | 0.0 |
| Kitui | 49,894 | 8.6 | 4.0 | 6.9 | 13.4 | 37.5 | 29.6 | 37.5 | 7.9 | 36.0 | 13.5 | 5.0 |
| Machakos | 58,285 | 17.9 | 8.4 | 11.1 | 24.5 | 22.5 | 15.6 | 31.9 | 8.7 | 47.6 | 11.8 | 0.0 |
| Meru | 46,402 | 6.5 | 9.0 | 23.6 | 33.3 | 18.8 | 8.8 | 23.0 | 25.6 | 48.1 | 2.3 | 1.0 |
| Makueni | 39,869 | 19.5 | 0.0 | 8.3 | 17.5 | 27.3 | 27.4 | 43.3 | 4.4 | 38.0 | 13.2 | 1.1 |
| Tharaka Nithi | 36,357 | 6.6 | 14.4 | 25.5 | 37.7 | 15.8 | 0.0 | 38.8 | 15.1 | 32.9 | 11.9 | 1.4 |
| Nyambene | 65,219 | 0.7 | 4.8 | 38.6 | 43.0 | 10.4 | 2.5 | 32.2 | 19.2 | 40.1 | 3.8 | 4.7 |
| Nyanza Rural | 388,033 | 12.6 | 8.5 | 22.2 | 35.7 | 19.1 | 1.9 | 40.7 | 8.9 | 39.2 | 8.2 | 3.0 |
| Kisii | 59,503 | 13.2 | 4.1 | 28.7 | 30.6 | 21.6 | 1.8 | 19.5 | 18.8 | 53.3 | 4.8 | 3.6 |
| Kisumu | 46,959 | 6.4 | 16.6 | 27.5 | 33.8 | 14.8 | 1.0 | 40.8 | 5.5 | 37.8 | 11.5 | 4.4 |
| Siaya | 92,867 | 16.2 | 9.6 | 28.2 | 35.0 | 6.8 | 4.1 | 55.4 | 4.7 | 30.9 | 8.5 | 0.5 |
| Homa Bay | 31,936 | 9.7 | 4.9 | 21.2 | 41.7 | 22.5 | 0.0 | 36.2 | 10.5 | 25.0 | 11.7 | 16.7 |
| Migori | 81,664 | 7.1 | 8.9 | 13.6 | 44.4 | 23.7 | 2.4 | 49.1 | 5.2 | 32.3 | 11.4 | 1.9 |
| Nyamira | 75,103 | 18.8 | 6.5 | 16.1 | 30.0 | 28.6 | 0.0 | 32.0 | 11.7 | 53.0 | 3.3 | 0.0 |
| Rift Valley Rural | 615,300 | 21.6 | 6.2 | 14.1 | 24.1 | 21.4 | 12.6 | 41.2 | 5.8 | 30.9 | 13.7 | 8.3 |
| Kajiado | 44,261 | 62.3 | 4.8 | 10.1 | 11.2 | 5.2 | 6.4 | 34.3 | 1.5 | 15.9 | 14.3 | 34.0 |
| Kericho | 66,722 | 19.9 | 4.3 | 12.2 | 31.7 | 21.9 | 9.9 | 26.9 | 4.2 | 53.6 | 11.6 | 3.6 |
| Laikipia | 44,960 | 9.2 | 9.2 | 14.1 | 28.1 | 33.4 | 5.9 | 56.8 | 10.2 | 22.1 | 10.3 | 0.6 |
| Nakuru | 141,996 | 35.2 | 5.1 | 15.9 | 24.8 | 16.1 | 2.9 | 71.5 | 8.1 | 17.1 | 1.6 | 1.6 |
| Nandi | 42,638 | 11.0 | 6.7 | 11.4 | 31.0 | 22.2 | 17.7 | 40.0 | 6.1 | 37.1 | 10.0 | 6.8 |
| Narok | 27,452 | 36.0 | 1.3 | 2.7 | 18.6 | 12.9 | 28.5 | 32.8 | 5.8 | 17.6 | 21.2 | 22.7 |
| Bomet | 39,883 | 11.7 | 5.9 | 9.4 | 16.3 | 40.7 | 16.0 | 18.5 | 5.9 | 56.6 | 11.1 | 7.8 |
| Transmara | 20,832 | 10.4 | 0.0 | 13.2 | 9.3 | 23.5 | 43.6 | 9.3 | 0.0 | 32.5 | 35.6 | 22.6 |
| Baringo | 52,117 | 6.3 | 14.9 | 28.2 | 27.0 | 16.4 | 7.2 | 29.1 | 4.4 | 34.1 | 22.2 | 10.2 |
| Elgeyo-Marakwet | 31,333 | 10.8 | 1.9 | 12.4 | 22.0 | 30.1 | 22.8 | 22.9 | 2.7 | 42.0 | 27.3 | 5.1 |
| Trans Nzoia | 40,056 | 8.7 | 14.4 | 19.6 | 29.5 | 20.6 | 7.2 | 54.0 | 11.3 | 25.5 | 6.2 | 3.0 |
| Uasin Gishu | 45,556 | 8.9 | 2.3 | 8.0 | 26.0 | 27.1 | 27.7 | 21.1 | 3.3 | 45.0 | 24.5 | 6.1 |
| West Pokot | 17,493 | 12.4 | 6.9 | 18.5 | 14.9 | 22.7 | 24.6 | 26.1 | 1.7 | 9.2 | 43.5 | 19.6 |
| Western Rural | 273,161 | 11.8 | 12.0 | 23.3 | 26.6 | 19.1 | 7.2 | 49.2 | 9.2 | 33.0 | 6.6 | 2.1 |
| Bungoma | 71,658 | 10.1 | 11.8 | 18.9 | 27.0 | 24.0 | 8.2 | 49.2 | 7.3 | 34.7 | 7.9 | 0.9 |
| Busia | 35,952 | 13.3 | 0.9 | 24.5 | 33.4 | 21.9 | 6.0 | 63.1 | 15.4 | 18.4 | 3.1 | 0.0 |
| Kakamega | 113,193 | 14.7 | 8.0 | 21.1 | 28.2 | 18.9 | 9.1 | 50.9 | 8.1 | 29.0 | 7.4 | 4.6 |
| Vihiga | 52,359 | 6.9 | 28.7 | 32.9 | 18.1 | 10.8 | 2.5 | 35.7 | 9.7 | 49.1 | 5.4 | 0.0 |
| Total Rural | 2,361,573 | 17.3 | 11.1 | 20.2 | 26.3 | 17.5 | 7.5 | 43.8 | 12.0 | 32.9 | 7.7 | 3.6 |
| Total Urban | 635,328 | 70.5 | 4.9 | 4.7 | 8.4 | 7.1 | 4.4 | 77.8 | 4.9 | 11.5 | 3.1 | 2.7 |
| Nairobi | 271,771 | 72.2 | 6.9 | 3.5 | 5.4 | 5.3 | 6.7 | 75.0 | 8.6 | 11.4 | 1.3 | 3.7 |
| Mombasa | 106,004 | 61.3 | 3.7 | 6.5 | 12.0 | 14.4 | 2.1 | 68.0 | 1.6 | 18.6 | 8.0 | 3.8 |
| Kisumu | 22,947 | 67.6 | 3.8 | 3.2 | 16.8 | 7.7 | 1.0 | 85.5 | 2.5 | 6.4 | 4.6 | 1.0 |
| Nakuru | 52,963 | 86.5 | 1.6 | 3.9 | 3.4 | 3.1 | 1.4 | 90.7 | 1.9 | 4.8 | 0.0 | 2.5 |
| Other urban | 181,643 | 69.1 | 3.8 | 5.7 | 11.3 | 6.5 | 3.6 | 83.0 | 2.5 | 9.9 | 3.6 | 1.0 |
| Nation | 2,996,900 | 28.6 | 9.8 | 16.9 | 22.5 | 15.3 | 6.9 | 51.0 | 10.5 | 28.3 | 6.7 | 3.4 |

Annex 5.2: Mean Land Holding (Acres)

| | Poor | | Non-poor | |
|--------------------------|---|--|---|--|
| | Land for crops/ grazing managed in the district | Land for crops/ grazing managed outside the district | Land for crops/ grazing managed in the district | Land for crops/ grazing managed outside the district |
| Central Rural | 1.7 | 0.2 | 1.9 | 0.4 |
| Kiambu | 1.0 | 0.0 | 1.6 | 0.2 |
| Kirinyaga | 2.6 | 0.0 | 1.8 | 0.0 |
| Muranga | 1.6 | 0.1 | 1.8 | 0.2 |
| Nyandarua | 3.6 | 0.0 | 4.1 | 0.8 |
| Nyeri | 1.4 | 0.6 | 1.6 | 0.8 |
| Coast Rural | 4.0 | 0.3 | 4.2 | 0.5 |
| Kilifi | 4.2 | 0.5 | 4.9 | 0.9 |
| Kwale | 3.2 | 0.1 | 2.7 | 0.3 |
| Lamu | 3.9 | 0.1 | 5.0 | 0.3 |
| Taita Taveta | 4.6 | 0.2 | 5.4 | 0.1 |
| Tana River | 5.8 | 0.1 | 2.5 | 0.0 |
| Eastern Rural | 5.8 | 0.1 | 4.3 | 0.2 |
| Mbeere | 4.0 | 0.3 | 2.5 | 0.9 |
| Embu | 3.7 | 0.1 | 2.2 | 0.1 |
| Kitui | 8.0 | 0.3 | 8.5 | 0.2 |
| Machakos | 6.1 | 0.0 | 4.2 | 0.1 |
| Meru | 4.9 | 0.1 | 3.1 | 0.1 |
| Makueni | 8.4 | 0.2 | 7.0 | 0.6 |
| Tharaka Nithi | 3.0 | 0.2 | 2.7 | 0.4 |
| Nyambene | 2.3 | 0.0 | 2.5 | 0.0 |
| Nyanza Rural | 3.5 | 0.2 | 2.8 | 0.2 |
| Kisii | 3.1 | 0.7 | 2.8 | 0.1 |
| Kisumu | 2.8 | 0.2 | 2.3 | 0.1 |
| Siaya | 2.9 | 0.1 | 2.3 | 0.3 |
| Homa Bay | 3.3 | 0.0 | 3.0 | 0.4 |
| Migori | 5.6 | 0.1 | 3.7 | 0.2 |
| Nyamira | 3.5 | 0.2 | 2.3 | 0.2 |
| Rift Valley Rural | 4.8 | 0.5 | 5.6 | 0.9 |
| Kajiado | 3.1 | 0.6 | 3.7 | 0.8 |
| Kericho | 4.5 | 0.3 | 6.0 | 0.6 |
| Laikipia | 3.5 | 0.2 | 4.3 | 0.2 |
| Nakuru | 2.2 | 0.4 | 5.4 | 0.8 |
| Nandi | 4.7 | 0.7 | 6.4 | 1.7 |
| Narok | 8.0 | 1.3 | 10.1 | 1.5 |
| Bomet | 4.5 | 0.5 | 5.9 | 0.4 |
| Transmara | 7.1 | 0.0 | 9.2 | 0.9 |
| Baringo | 10.8 | 0.3 | 3.3 | 0.3 |
| Elgeyo-Marakwet | 8.1 | 1.5 | 5.8 | 2.1 |
| Trans Nzoia | 1.7 | 0.4 | 3.1 | 0.7 |
| Uasin Gishu | 6.9 | 0.3 | 7.4 | 1.5 |
| West Pokot | 6.4 | 0.0 | 8.6 | 2.0 |
| Western Rural | 2.9 | 0.3 | 3.9 | 0.5 |
| Bungoma | 3.5 | 0.0 | 3.9 | 0.3 |
| Busia | 4.2 | 0.7 | 3.9 | 2.0 |
| Kakamega | 3.1 | 0.3 | 5.1 | 0.2 |
| Vihiga | 1.0 | 0.0 | 1.5 | 0.3 |
| Total Rural | 4.0 | 0.3 | 3.7 | 0.5 |
| Total Urban | 0.3 | 1.2 | 0.3 | 3.6 |
| Nairobi | 0.1 | 1.6 | 0.0 | 5.7 |
| Mombasa | 0.0 | 2.0 | 0.0 | 2.2 |
| Kisumu | 0.6 | 0.8 | 0.5 | 1.2 |
| Nakuru | 0.2 | 0.5 | 0.3 | 1.2 |
| Other urban | 0.8 | 0.6 | 0.7 | 2.2 |
| Nation | 3.3 | 0.5 | 3.0 | 1.1 |

Annex 5.3 Distribution of mean Livestock holding by Poverty

| Region | Poor | | | Non-Poor | | |
|--------------------------|--------------|---------------|-----------------------------|--------------|---------------|-----------------------------|
| | Cattle owned | Donkeys owned | Sheep, goats and pigs owned | Cattle owned | Donkeys owned | Sheep, goats and pigs owned |
| Central Rural | 1.1 | 0.0 | 1.2 | 1.5 | 0.0 | 1.3 |
| Kiambu | 1.3 | 0.2 | 0.6 | 1.5 | 0.0 | 1.2 |
| Kirinyaga | 0.9 | 0.0 | 0.9 | 1.3 | 0.0 | 0.7 |
| Muranga | 1.1 | 0.0 | 1.0 | 1.2 | 0.0 | 1.2 |
| Nyandarua | 1.6 | 0.1 | 2.8 | 2.7 | 0.2 | 3.3 |
| Nyeri | 1.0 | 0.0 | 1.5 | 1.2 | 0.0 | 1.1 |
| Coast Rural | 1.8 | 0.0 | 4.3 | 2.3 | 0.3 | 4.0 |
| Kilifi | 2.2 | 0.0 | 4.4 | 0.8 | 0.0 | 2.2 |
| Kwale | 1.1 | 0.0 | 4.8 | 0.2 | 0.6 | 2.2 |
| Lamu | 0.2 | 0.2 | 1.5 | 0.4 | 0.1 | 4.7 |
| Taita Taveta | 1.9 | 0.0 | 3.6 | 2.0 | 0.0 | 3.2 |
| Tana River | 2.6 | 0.0 | 1.5 | 36.7 | 1.5 | 36.0 |
| Eastern Rural | 1.8 | 0.2 | 2.8 | 2.5 | 0.2 | 3.5 |
| Mbeere | 1.8 | 0.0 | 2.6 | 1.5 | 0.0 | 2.4 |
| Embu | 1.4 | 0.0 | 1.0 | 1.5 | 0.0 | 1.4 |
| Kitui | 2.2 | 0.7 | 4.8 | 3.5 | 1.0 | 8.4 |
| Machakos | 1.3 | 0.1 | 2.6 | 2.4 | 0.1 | 3.6 |
| Meru | 1.3 | 0.0 | 1.2 | 2.1 | 0.0 | 1.5 |
| Makueni | 2.0 | 0.2 | 3.3 | 2.4 | 0.2 | 3.1 |
| Tharaka Nithi | 1.6 | 0.0 | 2.5 | 2.4 | 0.0 | 3.6 |
| Nyambene | 2.7 | 0.0 | 1.5 | 3.0 | 0.1 | 1.9 |
| Nyanza Rural | 4.2 | 0.1 | 3.2 | 3.7 | 0.1 | 2.9 |
| Kisii | 1.5 | 0.1 | 0.4 | 2.8 | 0.1 | 0.8 |
| Kisumu | 3.1 | 0.0 | 2.7 | 3.7 | 0.0 | 2.7 |
| Siaya | 1.4 | 0.1 | 1.2 | 1.8 | 0.1 | 1.1 |
| Homa Bay | 13.1 | 0.1 | 12.5 | 18.9 | 0.0 | 18.7 |
| Migori | 3.7 | 0.2 | 2.5 | 2.7 | 0.1 | 2.6 |
| Nyamira | 2.6 | 0.0 | 0.7 | 1.7 | 0.0 | 0.6 |
| Rift Valley Rural | 3.9 | 0.2 | 4.1 | 6.7 | 0.4 | 10.2 |
| Kajiado | 12.7 | 1.1 | 28.1 | 35.4 | 2.1 | 67.6 |
| Kericho | 3.4 | 0.1 | 2.0 | 3.2 | 0.2 | 1.5 |
| Laikipia | 1.3 | 0.1 | 3.4 | 1.7 | 0.1 | 3.4 |
| Nakuru | 1.1 | 0.1 | 1.1 | 1.6 | 0.1 | 2.8 |
| Nandi | 3.0 | 0.0 | 1.6 | 3.8 | 0.0 | 2.9 |
| Narok | 7.3 | 0.7 | 6.2 | 15.7 | 0.7 | 26.1 |
| Bomet | 4.5 | 0.3 | 0.6 | 4.4 | 0.2 | 2.9 |
| Transmara | 9.2 | 0.5 | 4.0 | 10.9 | 0.6 | 4.4 |
| Baringo | 5.4 | 0.2 | 9.9 | 7.4 | 0.3 | 15.5 |
| Elgeyo-Marakwet | 4.4 | 0.1 | 7.8 | 5.4 | 0.2 | 5.9 |
| Trans Nzoia | 0.7 | 0.0 | 0.6 | 2.5 | 0.2 | 1.3 |
| Uasin Gishu | 4.3 | 0.1 | 3.4 | 5.4 | 0.0 | 3.0 |
| West Pokot | 6.9 | 0.2 | 15.0 | 9.9 | 1.2 | 23.1 |
| Western Rural | 1.7 | 0.0 | 0.5 | 2.6 | 0.0 | 1.1 |
| Bungoma | 1.7 | 0.1 | 0.5 | 2.0 | 0.0 | 1.2 |
| Busia | 0.8 | 0.0 | 0.7 | 0.9 | 0.0 | 0.5 |
| Kakamega | 2.6 | 0.0 | 0.8 | 4.0 | 0.0 | 1.6 |
| Vihiga | 1.2 | 0.0 | 0.1 | 1.9 | 0.0 | 0.4 |
| Total Rural | 2.8 | 0.1 | 2.8 | 3.5 | 0.2 | 4.3 |
| Total Urban | 1.1 | 0.0 | 0.7 | 2.0 | 0.0 | 1.5 |
| Nairobi | 1.1 | 0.0 | 0.6 | 2.2 | 0.0 | 1.8 |
| Mombasa | 1.0 | 0.1 | 1.4 | 2.2 | 0.1 | 2.4 |
| Kisumu | 0.7 | 0.1 | 0.4 | 0.8 | 0.0 | 0.8 |
| Nakuru | 0.2 | 0.0 | 0.1 | 0.7 | 0.0 | 0.4 |
| Other urban | 1.3 | 0.0 | 0.7 | 2.0 | 0.0 | 1.1 |
| Nation | 2.5 | 0.1 | 2.4 | 3.2 | 0.1 | 3.7 |

Annex 5.4a Mean annual expenditure of poor on Agricultural inputs

| | equipmen ts | land | Other | Maize | Bean | Other | Fertilizer | Farm | Livestock | Land | Equipme nts | Raw | Other | Total |
|--------------------------|----------------|--------------|------------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|----------------|-------------|------------------|----------------|
| | last | last | agricultur al | seeds | seeds | seeds | | labour | labour | rent | rent | materials | agricultur al | Agriculture |
| | one year | one year | investme nts | | | | | | | | | | costs | |
| Central Rural | 13.9 | 0.0 | 18.2 | 290.8 | 340.1 | 117.8 | 1,128.6 | 163.7 | 45.5 | 65.3 | 3.3 | 90.0 | 15.3 | 2,283.9 |
| Kiambu | 0.0 | 0.0 | 0.0 | 267.5 | 228.5 | 166.0 | 584.3 | 0.0 | 5.1 | 86.3 | 0.0 | 0.0 | 0.0 | 1,337.7 |
| Kirinyaga | 57.9 | 0.0 | 0.0 | 364.5 | 775.7 | 56.5 | 566.5 | 213.9 | 113.1 | 7.9 | 0.0 | 0.0 | 58.4 | 2,166.3 |
| Muranga | 0.0 | 0.0 | 39.5 | 214.4 | 309.7 | 118.1 | 2,133.3 | 310.2 | 0.0 | 22.4 | 0.0 | 210.7 | 15.8 | 3,376.3 |
| Nyandarua | 0.0 | 0.0 | 24.0 | 456.9 | 273.6 | 103.1 | 548.7 | 188.7 | 10.6 | 153.5 | 36.8 | 7.8 | 13.3 | 1,817.1 |
| Nyeri | 26.7 | 0.0 | 12.9 | 317.4 | 219.9 | 115.8 | 700.9 | 47.2 | 134.1 | 118.8 | 0.0 | 89.1 | 0.0 | 1,772.0 |
| Coast Rural | 6.1 | 0.0 | 44.3 | 177.4 | 55.9 | 29.5 | 25.8 | 178.6 | 43.8 | 15.2 | 7.2 | 1.3 | 21.2 | 615.6 |
| Kilifi | 0.0 | 0.0 | 0.0 | 136.3 | 3.9 | 4.0 | 0.0 | 312.5 | 0.0 | 22.4 | 3.2 | 0.0 | 0.0 | 494.5 |
| Kwale | 16.1 | 0.0 | 0.0 | 198.7 | 5.6 | 13.0 | 7.2 | 46.1 | 64.0 | 0.0 | 0.0 | 0.0 | 0.0 | 357.1 |
| Lamu | 0.0 | 0.0 | 0.0 | 79.9 | 0.0 | 80.1 | 50.6 | 211.5 | 0.0 | 0.0 | 0.0 | 0.0 | 35.2 | 485.7 |
| Taita Taveta | 4.9 | 0.0 | 228.3 | 253.4 | 270.1 | 103.6 | 114.0 | 89.6 | 119.8 | 27.4 | 0.0 | 6.5 | 79.5 | 1,302.1 |
| Tana River | 0.0 | 0.0 | 0.0 | 128.5 | 0.0 | 79.1 | 0.0 | 156.6 | 0.0 | 0.0 | 356.5 | 0.0 | 297.1 | 1,026.7 |
| Eastern Rural | 0.3 | 17.2 | 21.4 | 223.5 | 407.7 | 62.9 | 257.4 | 293.2 | 27.0 | 54.0 | 0.0 | 2.7 | 16.6 | 1,402.0 |
| Mbeere | 0.0 | 0.0 | 0.0 | 164.3 | 198.2 | 37.0 | 149.2 | 92.0 | 20.0 | 31.2 | 0.0 | 0.0 | 0.9 | 702.7 |
| Embu | 0.0 | 0.0 | 98.3 | 298.8 | 430.8 | 38.5 | 665.6 | 193.6 | 0.0 | 225.9 | 0.0 | 27.0 | 21.8 | 2,015.1 |
| Kitui | 0.0 | 85.3 | 0.0 | 208.5 | 271.1 | 96.0 | 0.0 | 31.4 | 35.5 | 5.9 | 0.0 | 0.0 | 21.6 | 812.4 |
| Machakos | 0.0 | 0.0 | 0.0 | 209.6 | 340.7 | 42.0 | 71.2 | 118.4 | 4.8 | 26.9 | 0.0 | 3.2 | 38.0 | 864.6 |
| Meru | 0.0 | 0.0 | 0.0 | 358.0 | 195.9 | 259.3 | 851.6 | 3,019.2 | 0.0 | 263.3 | 0.0 | 0.0 | 0.0 | 4,947.4 |
| Makueni | 0.0 | 0.0 | 84.9 | 170.7 | 189.7 | 31.6 | 131.3 | 116.7 | 27.1 | 0.0 | 0.0 | 3.0 | 3.0 | 766.0 |
| Tharaka Nithi | 4.1 | 0.0 | 0.0 | 323.7 | 969.3 | 20.5 | 791.5 | 148.7 | 0.0 | 153.1 | 0.0 | 0.0 | 0.0 | 2,429.5 |
| Nyambene | 0.0 | 0.0 | 0.0 | 200.4 | 832.0 | 35.9 | 354.8 | 23.2 | 92.3 | 16.2 | 0.0 | 0.0 | 14.8 | 1,569.5 |
| Nyanza Rural | 0.3 | 10.7 | 7.4 | 206.6 | 58.7 | 13.3 | 160.1 | 73.5 | 60.5 | 71.9 | 5.5 | 5.2 | 11.2 | 697.2 |
| Kisii | 0.0 | 0.0 | 0.0 | 359.5 | 67.7 | 8.7 | 430.4 | 16.9 | 37.5 | 145.1 | 10.4 | 0.0 | 0.0 | 1,076.1 |
| Kisumu | 1.9 | 0.0 | 0.0 | 80.0 | 35.3 | 7.7 | 4.0 | 93.3 | 64.6 | 65.0 | 0.0 | 0.0 | 5.5 | 371.3 |
| Siaya | 0.0 | 48.6 | 28.4 | 66.5 | 60.4 | 10.1 | 17.9 | 98.8 | 11.3 | 24.4 | 0.0 | 0.0 | 6.0 | 402.2 |
| Homa Bay | 0.0 | 0.0 | 0.0 | 49.6 | 30.3 | 25.0 | 5.5 | 20.8 | 57.4 | 8.9 | 6.3 | 0.0 | 13.1 | 219.8 |
| Migori | 0.0 | 11.7 | 14.6 | 55.1 | 15.3 | 10.9 | 68.6 | 130.7 | 188.3 | 80.0 | 20.4 | 34.3 | 43.7 | 698.9 |
| Nyamira | 0.0 | 0.0 | 0.0 | 524.3 | 116.1 | 15.6 | 389.0 | 72.3 | 28.2 | 111.5 | 0.0 | 0.0 | 2.7 | 1,261.8 |
| Rift Valley Rural | 0.9 | 490.9 | 7.0 | 733.7 | 144.6 | 31.8 | 812.1 | 592.6 | 215.7 | 163.9 | 69.9 | 19.1 | 165.6 | 3,482.9 |
| Kajiado | 0.0 | 0.0 | 0.0 | 230.0 | 228.7 | 30.7 | 0.0 | 116.8 | 1,115.0 | 257.7 | 0.0 | 22.8 | 34.3 | 2,055.3 |
| Kericho | 0.0 | 0.0 | 0.0 | 718.3 | 62.4 | 3.4 | 967.5 | 270.7 | 2.0 | 228.5 | 0.0 | 0.0 | 1.4 | 2,258.7 |
| Laikipia | 0.0 | 0.0 | 0.0 | 542.0 | 797.2 | 130.2 | 899.0 | 1,312.1 | 81.1 | 196.9 | 180.6 | 14.4 | 3.0 | 4,164.5 |
| Nakuru | 0.0 | 1,058.6 | 0.0 | 533.9 | 131.0 | 57.5 | 716.5 | 229.2 | 22.9 | 340.7 | 62.8 | 6.7 | 13.1 | 3,185.8 |
| Nandi | 0.9 | 524.0 | 0.0 | 847.5 | 147.6 | 23.5 | 997.5 | 929.3 | 343.2 | 138.7 | 10.7 | 107.8 | 3.7 | 4,115.1 |
| Narok | 0.0 | 5,067.6 | 0.0 | 93.7 | 12.1 | 0.0 | 118.1 | 58.4 | 168.5 | 77.3 | 0.0 | 0.0 | 0.0 | 5,595.7 |
| Bomet | 0.0 | 0.0 | 0.0 | 796.6 | 47.3 | 27.8 | 841.0 | 404.6 | 3.9 | 78.8 | 0.0 | 0.0 | 1,314.4 | 3,514.4 |
| Transmara | 0.0 | 0.0 | 0.0 | 925.0 | 57.8 | 1.1 | 324.1 | 54.4 | 22.6 | 127.1 | 0.0 | 0.0 | 0.0 | 1,512.1 |
| Baringo | 7.1 | 0.0 | 139.5 | 844.3 | 167.5 | 48.3 | 531.7 | 1,232.5 | 737.6 | 28.6 | 6.8 | 0.0 | 13.8 | 3,773.2 |
| Elgeyo-Marakwet | 5.6 | 0.0 | 0.0 | 985.2 | 258.3 | 18.6 | 894.8 | 507.7 | 190.6 | 268.3 | 0.0 | 23.6 | 18.3 | 3,706.1 |
| Trans Nzoia | 2.3 | 0.0 | 0.0 | 794.4 | 206.7 | 23.7 | 1,013.4 | 827.2 | 211.1 | 95.0 | 206.9 | 3.4 | 37.1 | 3,425.3 |
| Uasin Gishu | 0.0 | 0.0 | 0.5 | 1,210.4 | 244.2 | 0.0 | 2,150.0 | 2,295.0 | 927.1 | 42.3 | 547.3 | 0.0 | 54.2 | 7,471.0 |
| West Pokot | 0.0 | 252.1 | 0.0 | 802.5 | 52.0 | 84.0 | 196.3 | 241.8 | 111.2 | 45.2 | 30.3 | 30.2 | 5.4 | 1,870.8 |
| Western Rural | 3.2 | 7.9 | 52.4 | 355.5 | 102.1 | 15.1 | 411.2 | 153.1 | 46.5 | 82.4 | 0.0 | 21.6 | 10.4 | 1,285.4 |
| Bungoma | 14.8 | 35.9 | 0.0 | 592.0 | 141.7 | 34.7 | 832.6 | 80.5 | 165.2 | 97.8 | 0.0 | 10.4 | 0.0 | 2,019.4 |
| Busia | 0.0 | 0.0 | 183.7 | 119.2 | 37.2 | 11.8 | 9.6 | 94.5 | 5.9 | 149.5 | 0.0 | 108.0 | 57.9 | 819.5 |
| Kakamega | 0.0 | 0.0 | 0.0 | 518.5 | 149.2 | 10.9 | 571.7 | 285.7 | 26.0 | 45.2 | 0.0 | 0.0 | 0.0 | 1,616.1 |
| Vihiga | 0.0 | 0.0 | 79.9 | 76.0 | 44.7 | 6.2 | 90.8 | 65.7 | 0.0 | 74.1 | 0.0 | 0.0 | 0.0 | 479.1 |
| Total Rural | 2.7 | 124.2 | 20.4 | 365.3 | 181.2 | 39.5 | 466.2 | 267.5 | 86.4 | 87.6 | 18.9 | 19.3 | 50.1 | 1,747.5 |
| Total Urban | 0.3 | 149.0 | 161.3 | 107.4 | 50.6 | 14.2 | 119.3 | 291.4 | 92.1 | 30.4 | 2.9 | 1.9 | 2.9 | 1,038.9 |
| Nairobi | 0.6 | 0.0 | 0.0 | 101.6 | 53.7 | 20.8 | 160.2 | 452.2 | 165.9 | 30.9 | 0.0 | 3.9 | 3.0 | 1,023.6 |
| Mombasa | 0.0 | 0.0 | 1,480.8 | 30.0 | 22.5 | 10.1 | 15.5 | 57.1 | 43.3 | 0.0 | 0.0 | 0.0 | 0.0 | 1,659.2 |
| Kisumu | 0.0 | 0.0 | 0.0 | 42.2 | 3.7 | 4.1 | 38.1 | 234.5 | 43.9 | 32.7 | 0.0 | 0.0 | 0.0 | 399.9 |
| Nakuru | 0.0 | 0.0 | 0.0 | 74.4 | 24.8 | 0.0 | 46.9 | 27.0 | 0.0 | 22.5 | 22.5 | 0.0 | 22.5 | 240.6 |
| Other urban | 0.1 | 515.8 | 0.0 | 167.2 | 71.3 | 9.5 | 122.0 | 174.0 | 15.5 | 42.2 | 5.8 | 0.2 | 0.7 | 1,125.3 |
| Nation | 2.3 | 129.0 | 47.5 | 315.7 | 156.1 | 34.7 | 399.5 | 272.1 | 87.5 | 76.6 | 15.8 | 16.0 | 41.0 | 1,611.3 |

Annex 5.4b Mean annual expenditure of Non-poor on Agricultural inputs

| | equipment last one year | land last one year | Other agricultural investments | Maize seeds | Bean seeds | Other seeds | Fertilizer | Farm labour | Livestock labour | Land rent | Equipme nts rent | Raw materials | Other agricultural costs | Total Agriculture |
|--------------------------|-------------------------------|--------------------------|--------------------------------------|----------------|---------------|----------------|------------|----------------|---------------------|--------------|------------------------|------------------|--------------------------------|----------------------|
| Central Rural | 33.5 | 171.7 | 70.7 | 379.2 | 438.5 | 279.2 | 1,699.2 | 902.6 | 505.5 | 181.3 | 8.6 | 170.4 | 89.4 | 4,935.8 |
| Kiambu | 50.2 | 0.0 | 2.2 | 326.2 | 308.9 | 268.6 | 850.9 | 577.3 | 624.3 | 71.9 | 3.2 | 232.3 | 130.5 | 3,442.5 |
| Kirinyaga | 2.1 | 0.0 | 280.1 | 552.6 | 1,082.7 | 176.5 | 1,513.2 | 1,762.8 | 307.2 | 131.1 | 18.2 | 11.2 | 61.7 | 5,963.8 |
| Muranga | 6.3 | 0.0 | 82.5 | 302.5 | 468.0 | 216.2 | 3,189.6 | 885.0 | 586.4 | 133.0 | 17.8 | 247.1 | 37.7 | 6,174.2 |
| Nyandarua | 0.0 | 0.0 | 50.8 | 552.2 | 235.6 | 568.0 | 2,200.1 | 1,218.3 | 105.9 | 437.2 | 0.9 | 48.3 | 62.7 | 5,566.4 |
| Nyeri | 73.8 | 804.6 | 53.2 | 364.3 | 342.4 | 280.4 | 1,095.4 | 773.7 | 544.5 | 299.5 | 4.4 | 139.2 | 116.5 | 4,844.8 |
| Coast Rural | 17.2 | 0.0 | 3.4 | 157.4 | 38.3 | 55.4 | 71.1 | 632.5 | 92.4 | 33.0 | 16.5 | 4.3 | 38.0 | 1,162.4 |
| Kilifi | 0.0 | 0.0 | 0.0 | 101.8 | 0.9 | 4.8 | 0.0 | 825.7 | 46.7 | 49.9 | 36.6 | 0.0 | 0.0 | 1,087.4 |
| Kwale | 50.0 | 0.0 | 0.0 | 154.4 | 0.5 | 36.4 | 25.6 | 151.5 | 39.7 | 0.0 | 3.7 | 0.0 | 32.0 | 446.9 |
| Lamu | 0.0 | 0.0 | 0.0 | 146.6 | 13.6 | 184.7 | 465.6 | 2,885.6 | 527.3 | 67.9 | 0.0 | 60.9 | 268.5 | 4,707.4 |
| Taita Taveta | 5.4 | 0.0 | 23.8 | 382.5 | 261.3 | 200.6 | 212.8 | 222.8 | 149.3 | 52.8 | 0.0 | 0.0 | 43.4 | 1,576.9 |
| Tana River | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 5.0 | 0.0 | 96.9 | 41.6 | 0.0 | 0.0 | 0.0 | 59.7 | 215.9 |
| Eastern Rural | 2.6 | 457.5 | 40.9 | 362.6 | 646.9 | 113.6 | 569.0 | 1,636.2 | 167.2 | 130.4 | 0.0 | 535.2 | 28.6 | 4,708.2 |
| Mbeere | 0.0 | 0.0 | 0.0 | 476.6 | 466.7 | 31.8 | 1,001.8 | 876.5 | 190.5 | 24.0 | 0.0 | 0.0 | 0.0 | 3,080.0 |
| Embu | 0.0 | 0.0 | 237.6 | 513.2 | 809.2 | 148.1 | 1,481.6 | 1,517.3 | 112.1 | 147.5 | 0.0 | 227.4 | 0.0 | 5,250.8 |
| Kitui | 5.0 | 487.5 | 29.9 | 158.5 | 316.2 | 73.3 | 0.0 | 630.4 | 210.1 | 24.8 | 0.0 | 11.7 | 126.7 | 2,123.9 |
| Machakos | 10.4 | 0.0 | 135.7 | 240.4 | 593.7 | 75.0 | 462.4 | 272.3 | 42.4 | 38.2 | 0.0 | 2,992.6 | 47.4 | 4,936.2 |
| Meru | 0.0 | 0.0 | 0.0 | 667.8 | 194.5 | 350.3 | 1,294.9 | 8,501.2 | 239.5 | 449.9 | 0.0 | 0.0 | 10.4 | 11,715.0 |
| Makueni | 0.0 | 2,839.8 | 0.0 | 153.0 | 234.9 | 18.5 | 488.4 | 1,095.1 | 504.8 | 4.6 | 0.0 | 0.0 | 0.0 | 5,345.7 |
| Tharaka Nithi | 0.0 | 427.7 | 0.0 | 344.1 | 1,017.4 | 44.0 | 554.9 | 169.4 | 0.0 | 416.1 | 0.0 | 0.0 | 0.0 | 2,973.6 |
| Nyambene | 0.0 | 0.0 | 0.0 | 471.6 | 1,326.6 | 123.6 | 251.7 | 161.5 | 89.1 | 12.6 | 0.0 | 0.0 | 0.0 | 2,438.3 |
| Nyanza Rural | 13.2 | 32.9 | 31.0 | 230.9 | 84.8 | 19.3 | 230.3 | 236.3 | 137.2 | 163.8 | 1.8 | 5.4 | 12.5 | 1,196.6 |
| Kisii | 23.7 | 0.0 | 0.0 | 467.7 | 75.0 | 15.6 | 489.3 | 167.5 | 137.5 | 195.8 | 0.0 | 0.0 | 4.3 | 1,557.1 |
| Kisumu | 0.0 | 0.0 | 20.7 | 145.3 | 53.9 | 38.7 | 82.6 | 239.3 | 232.5 | 11.5 | 0.0 | 6.2 | 1.2 | 848.4 |
| Siaya | 2.3 | 133.7 | 46.0 | 80.2 | 56.1 | 15.2 | 30.1 | 258.2 | 170.4 | 54.9 | 7.4 | 0.0 | 10.7 | 889.5 |
| Homa Bay | 0.0 | 0.0 | 0.0 | 58.0 | 6.5 | 61.5 | 37.4 | 91.3 | 118.5 | 32.4 | 0.0 | 0.0 | 0.0 | 405.6 |
| Migori | 43.1 | 0.0 | 75.8 | 62.2 | 41.4 | 2.3 | 114.9 | 266.0 | 120.3 | 368.6 | 0.0 | 22.2 | 33.5 | 1,114.0 |
| Nyamira | 0.0 | 4.5 | 7.9 | 540.4 | 228.0 | 15.9 | 572.2 | 291.4 | 62.5 | 201.4 | 0.0 | 0.0 | 10.6 | 1,934.8 |
| Rift Valley Rural | 72.1 | 2,107.8 | 98.9 | 1,045.7 | 240.4 | 79.5 | 1,663.1 | 1,271.8 | 429.8 | 330.4 | 361.9 | 122.3 | 129.7 | 7,905.7 |
| Kajiado | 321.5 | 0.0 | 0.0 | 318.5 | 325.2 | 36.5 | 24.5 | 405.2 | 1,346.2 | 218.7 | 0.0 | 561.8 | 23.1 | 3,268.3 |
| Kericho | 0.0 | 13,180.4 | 0.0 | 1,023.4 | 91.1 | 18.2 | 1,176.5 | 674.3 | 28.1 | 332.5 | 0.0 | 0.0 | 43.7 | 16,588.5 |
| Laikipia | 1.0 | 77.4 | 0.0 | 780.7 | 524.6 | 216.1 | 1,375.8 | 1,043.6 | 132.2 | 350.6 | 620.1 | 679.2 | 150.1 | 5,965.7 |
| Nakuru | 0.0 | 127.7 | 1.1 | 654.8 | 181.7 | 97.8 | 771.2 | 636.2 | 116.3 | 376.6 | 419.0 | 19.5 | 88.4 | 3,501.6 |
| Nandi | 687.0 | 0.0 | 1,276.0 | 1,358.6 | 235.6 | 123.3 | 1,974.2 | 3,545.2 | 686.2 | 463.6 | 41.9 | 30.3 | 51.2 | 9,808.4 |
| Narok | 2.9 | 0.0 | 0.0 | 733.8 | 83.7 | 52.1 | 262.6 | 1,001.7 | 806.6 | 223.4 | 0.0 | 0.0 | 163.3 | 3,327.1 |
| Bomet | 0.0 | 0.0 | 0.0 | 1,175.1 | 248.4 | 70.2 | 2,327.2 | 630.8 | 8.4 | 212.5 | 54.4 | 0.0 | 185.6 | 4,912.6 |
| Transmara | 0.0 | 7,858.9 | 0.0 | 1,345.4 | 357.8 | 0.0 | 860.0 | 836.2 | 0.0 | 727.9 | 0.0 | 0.0 | 0.0 | 11,986.2 |
| Baringo | 6.0 | 503.8 | 17.9 | 852.0 | 217.4 | 66.3 | 953.5 | 1,612.8 | 939.2 | 139.9 | 24.0 | 0.0 | 235.2 | 5,618.8 |
| Elgeyo-Marakwet | 8.8 | 21.6 | 0.0 | 1,052.1 | 207.4 | 133.9 | 1,515.3 | 912.1 | 371.0 | 122.0 | 0.0 | 9.8 | 43.9 | 4,508.2 |
| Trans Nzoia | 0.0 | 4,461.0 | 34.8 | 1,857.7 | 431.2 | 28.3 | 6,393.7 | 2,675.4 | 436.9 | 737.0 | 694.3 | 24.3 | 124.1 | 17,925.6 |
| Uasin Gishu | 2.9 | 582.1 | 87.3 | 2,244.7 | 263.7 | 48.0 | 4,516.0 | 2,507.9 | 861.4 | 212.4 | 2,245.3 | 300.8 | 524.7 | 14,396.7 |
| West Pokot | 0.0 | 0.0 | 0.0 | 1,482.0 | 70.5 | 117.4 | 641.1 | 1,547.8 | 657.1 | 135.0 | 0.0 | 44.8 | 0.0 | 4,819.4 |
| Western Rural | 20.9 | 311.3 | 9.2 | 813.8 | 160.5 | 27.5 | 1,281.6 | 590.7 | 120.8 | 296.1 | 21.2 | 4.9 | 33.0 | 3,704.1 |
| Bungoma | 2.5 | 1,186.6 | 0.0 | 1,025.0 | 225.0 | 37.9 | 1,356.8 | 235.5 | 257.0 | 586.1 | 80.7 | 0.0 | 74.3 | 5,129.2 |
| Busia | 21.7 | 0.0 | 69.7 | 155.3 | 80.6 | 35.8 | 42.2 | 267.8 | 24.0 | 208.7 | 0.0 | 0.0 | 20.0 | 957.9 |
| Kakamega | 12.7 | 0.0 | 0.0 | 1,202.9 | 163.0 | 0.5 | 2,034.6 | 771.0 | 121.2 | 169.8 | 0.0 | 0.0 | 19.3 | 4,490.6 |
| Vihiga | 63.2 | 0.0 | 0.0 | 135.4 | 121.7 | 65.9 | 401.6 | 909.0 | 0.0 | 232.3 | 0.0 | 25.3 | 15.1 | 1,939.3 |
| Total Rural | 33.5 | 700.7 | 56.6 | 564.5 | 304.6 | 119.9 | 1,152.5 | 942.7 | 310.6 | 215.4 | 100.2 | 154.4 | 69.4 | 4,717.8 |
| Total Urban | 99.0 | 538.2 | 2,604.5 | 143.2 | 83.8 | 44.2 | 169.8 | 939.0 | 145.9 | 49.0 | 41.0 | 13.4 | 16.5 | 5,079.9 |
| Nairobi | 4.6 | 190.4 | 647.8 | 82.9 | 79.9 | 46.5 | 126.6 | 1,412.3 | 38.8 | 27.3 | 0.0 | 4.0 | 5.5 | 3,329.5 |
| Mombasa | 0.0 | 328.0 | 0.0 | 78.8 | 35.5 | 7.3 | 57.9 | 119.7 | 56.2 | 9.5 | 28.8 | 0.0 | 0.2 | 721.9 |
| Kisumu | 27.0 | 0.0 | 52,487.5 | 198.6 | 5.0 | 0.3 | 77.6 | 169.0 | 28.7 | 13.0 | 0.0 | 0.0 | 6.6 | 53,017.7 |
| Nakuru | 25.3 | 1,113.5 | 17.7 | 77.2 | 33.0 | 93.0 | 140.3 | 288.4 | 97.2 | 14.0 | 332.3 | 112.0 | 40.2 | 2,358.7 |
| Other urban | 328.7 | 1,081.5 | 1,504.7 | 283.3 | 142.5 | 53.8 | 319.9 | 995.9 | 387.6 | 119.4 | 29.6 | 8.4 | 36.9 | 4,979.7 |
| Nation | 47.4 | 666.3 | 596.7 | 475.2 | 257.8 | 103.9 | 944.2 | 941.9 | 275.7 | 180.1 | 87.6 | 124.5 | 58.2 | 4,794.6 |

Annex 5.5 Monthly average expenditures on Informal non-farm enterprises (Kshs)

| Region | Poor | | | | | Non-poor | | | | |
|--------------------------|-----------------|----------------------------|---------------------------|-----------------------------|----------------|-----------------|---------------------------|---------------------------|-----------------------------|----------------|
| | Non-farm labour | Raw materials/ input costs | Premises/ equipments rent | Other informal sector costs | Total informal | Non-farm labour | Raw material/ input costs | Premises/ equipments rent | Other informal sector costs | Total informal |
| Central Rural | 16.1 | 2.5 | 1.7 | 0.8 | 21.2 | 114.4 | 264.5 | 18.7 | 10.5 | 408.2 |
| Kiambu | 0.0 | 1.1 | 0.0 | 0.0 | 1.1 | 52.9 | 241.4 | 28.4 | 0.0 | 322.7 |
| Kirinyaga | 0.0 | 0.0 | 2.1 | 0.0 | 2.1 | 122.0 | 74.2 | 14.8 | 7.4 | 218.5 |
| Muranga | 5.0 | 1.6 | 0.0 | 2.4 | 8.9 | 224.2 | 365.0 | 13.0 | 0.0 | 602.2 |
| Nyandarua | 0.0 | 0.0 | 7.4 | 0.0 | 7.4 | 52.0 | 215.1 | 14.1 | 2.2 | 283.4 |
| Nyeri | 73.0 | 8.7 | 3.8 | 0.0 | 85.5 | 106.1 | 312.9 | 15.5 | 44.0 | 478.5 |
| Coast Rural | 8.8 | 49.9 | 0.5 | 0.0 | 59.2 | 191.4 | 429.6 | 14.1 | 2.5 | 637.5 |
| Kilifi | 18.1 | 101.6 | 0.0 | 0.0 | 119.8 | 314.3 | 236.3 | 1.2 | 5.9 | 557.7 |
| Kwale | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 547.3 | 7.6 | 0.0 | 554.9 |
| Lamu | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.5 | 95.7 | 26.8 | 0.0 | 175.0 |
| Taita Taveta | 0.2 | 25.6 | 0.0 | 0.0 | 25.8 | 401.1 | 1,025.2 | 65.3 | 0.0 | 1,491.6 |
| Tana River | 47.5 | 0.0 | 29.7 | 0.0 | 77.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Eastern Rural | 19.5 | 138.6 | 10.5 | 2.1 | 170.7 | 56.9 | 143.7 | 86.7 | 2.3 | 289.5 |
| Mbeere | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.2 | 0.0 | 20.3 | 0.0 | 29.5 |
| Embu | 36.3 | 19.9 | 0.0 | 0.0 | 56.2 | 59.8 | 68.9 | 0.0 | 0.0 | 128.8 |
| Kitui | 28.7 | 306.7 | 12.8 | 2.7 | 351.0 | 45.2 | 223.2 | 114.8 | 0.4 | 383.6 |
| Machakos | 5.0 | 342.0 | 26.6 | 0.0 | 373.6 | 161.4 | 535.5 | 253.5 | 12.2 | 962.6 |
| Meru | 63.1 | 0.0 | 0.0 | 0.0 | 63.1 | 36.3 | 0.0 | 0.0 | 0.0 | 36.3 |
| Makueni | 12.7 | 0.0 | 10.9 | 8.4 | 32.0 | 42.1 | 3.1 | 179.1 | 0.0 | 224.3 |
| Tharaka Nithi | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 29.6 | 0.0 | 20.1 | 0.0 | 49.7 |
| Nyambene | 27.5 | 0.0 | 0.0 | 0.0 | 27.5 | 25.4 | 67.1 | 3.3 | 0.5 | 96.4 |
| Nyanza Rural | 3.4 | 1.6 | 1.7 | 0.2 | 6.9 | 43.7 | 105.0 | 22.1 | 6.3 | 177.1 |
| Kisii | 0.3 | 0.0 | 0.0 | 0.0 | 0.3 | 10.7 | 411.8 | 49.0 | 25.9 | 497.5 |
| Kisumu | 8.5 | 2.4 | 0.0 | 0.0 | 10.9 | 27.6 | 62.1 | 5.1 | 14.5 | 109.3 |
| Siaya | 0.0 | 6.9 | 2.5 | 0.9 | 10.2 | 10.3 | 30.8 | 18.9 | 0.0 | 60.1 |
| Homa Bay | 8.0 | 0.0 | 0.0 | 0.0 | 8.0 | 99.9 | 2.2 | 0.0 | 0.0 | 102.1 |
| Migori | 5.8 | 0.0 | 0.0 | 0.0 | 5.8 | 96.1 | 127.2 | 31.8 | 2.6 | 257.6 |
| Nyamira | 0.0 | 0.0 | 5.5 | 0.0 | 5.5 | 40.5 | 0.0 | 14.1 | 0.0 | 54.5 |
| Rift Valley Rural | 5.2 | 71.2 | 4.7 | 2.5 | 83.8 | 67.6 | 119.0 | 33.8 | 17.5 | 237.9 |
| Kajiado | 0.0 | 35.7 | 0.0 | 0.0 | 35.7 | 156.4 | 10.3 | 9.7 | 0.0 | 176.5 |
| Kericho | 5.6 | 0.0 | 0.1 | 0.0 | 5.7 | 72.5 | 4.0 | 13.2 | 0.0 | 89.7 |
| Laikipia | 1.8 | 269.7 | 0.0 | 0.0 | 271.5 | 16.2 | 68.0 | 17.8 | 18.6 | 120.6 |
| Nakuru | 0.0 | 270.1 | 2.0 | 4.7 | 276.8 | 34.2 | 68.8 | 12.0 | 67.4 | 182.4 |
| Nandi | 0.0 | 1.9 | 1.7 | 0.0 | 3.6 | 0.0 | 36.2 | 36.1 | 8.4 | 80.7 |
| Narok | 56.0 | 0.0 | 84.5 | 0.0 | 140.4 | 353.1 | 0.0 | 10.4 | 0.0 | 363.5 |
| Bomet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 285.7 | 0.0 | 0.0 | 285.7 |
| Transmara | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.2 | 0.0 | 0.0 | 0.0 | 26.2 |
| Baringo | 7.9 | 0.0 | 6.5 | 25.2 | 39.6 | 91.2 | 206.5 | 33.2 | 0.0 | 330.9 |
| Elgeyo-Marakwet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 0.0 | 0.0 | 0.0 | 5.0 |
| Trans Nzoia | 9.8 | 130.4 | 0.0 | 5.0 | 145.2 | 64.4 | 101.5 | 10.6 | 0.0 | 176.4 |
| Uasin Gishu | 9.4 | 72.1 | 0.0 | 0.0 | 81.5 | 111.8 | 654.9 | 281.8 | 0.0 | 1,048.5 |
| West Pokot | 0.0 | 2.6 | 0.0 | 0.0 | 2.6 | 81.6 | 119.8 | 9.1 | 0.0 | 210.6 |
| Western Rural | 6.5 | 23.0 | 2.6 | 1.0 | 33.1 | 27.0 | 40.8 | 9.1 | 8.7 | 85.5 |
| Bungoma | 8.2 | 67.5 | 5.6 | 4.7 | 86.0 | 24.6 | 8.6 | 23.2 | 22.8 | 79.2 |
| Busia | 0.0 | 0.0 | 7.5 | 0.0 | 7.5 | 41.6 | 59.3 | 5.4 | 20.5 | 126.8 |
| Kakamega | 0.0 | 18.6 | 0.0 | 0.0 | 18.6 | 16.2 | 7.6 | 5.5 | 0.0 | 29.3 |
| Vihiga | 19.4 | 6.5 | 0.0 | 0.0 | 25.9 | 43.6 | 143.7 | 0.0 | 0.0 | 187.3 |
| Total Rural | 9.0 | 50.6 | 4.1 | 1.3 | 65.1 | 76.5 | 166.3 | 31.5 | 9.8 | 284.0 |
| Total Urban | 9.3 | 29.9 | 410.3 | 37.3 | 486.9 | 231.4 | 323.5 | 253.9 | 37.6 | 846.4 |
| Nairobi | 3.2 | 0.0 | 698.6 | 1.3 | 703.2 | 370.4 | 351.7 | 339.1 | 0.0 | 1,061.3 |
| Mombasa | 2.2 | 0.0 | 23.1 | 195.9 | 221.2 | 159.7 | 208.6 | 222.2 | 19.7 | 610.2 |
| Kisumu | 0.0 | 33.6 | 15.7 | 1.6 | 50.8 | 119.5 | 174.9 | 38.3 | 0.0 | 332.7 |
| Nakuru | 55.0 | 157.0 | 34.0 | 276.3 | 522.3 | 160.2 | 771.9 | 213.5 | 379.2 | 1,524.9 |
| Other urban | 15.6 | 66.1 | 234.2 | 0.1 | 315.9 | 100.3 | 236.4 | 183.7 | 9.4 | 529.8 |
| Nation | 9.1 | 46.6 | 82.3 | 8.2 | 146.2 | 109.3 | 199.6 | 78.6 | 15.7 | 403.2 |

Annex 6.2 Distribution of Economically active population by employment status (%)

| Region | Gainfully Employed? | | | | Looking for Work last 7 days? | | | |
|--------------------------|---------------------|-------------|-------------|-------------|-------------------------------|-------------|-------------|-------------|
| | Poor | | Non-Poor | | Poor | | Non-Poor | |
| | Yes | No | Yes | No | Yes | No | Yes | No |
| Central Rural | 52.2 | 47.8 | 60.1 | 39.9 | 14.2 | 85.8 | 12.6 | 87.4 |
| Kiambu | 45 | 55 | 59.7 | 40.3 | 20.7 | 79.3 | 13 | 87 |
| Kirinyaga | 48.2 | 51.8 | 63.8 | 36.2 | 13.2 | 86.8 | 14.5 | 85.5 |
| Muranga | 51.4 | 48.6 | 46.9 | 53.1 | 9.5 | 90.5 | 13.4 | 86.6 |
| Nyandarua | 76.2 | 23.8 | 72.4 | 27.6 | 14.1 | 85.9 | 13.6 | 86.4 |
| Nyeri | 56.6 | 43.4 | 68 | 32 | 14.7 | 85.3 | 9.1 | 90.9 |
| Coast Rural | 53.4 | 46.6 | 60 | 40 | 7.7 | 92.3 | 5.5 | 94.5 |
| Kilifi | 60.4 | 39.6 | 68.7 | 31.3 | 5 | 95 | 4.5 | 95.5 |
| Kwale | 49.1 | 50.9 | 59.2 | 40.8 | 9.8 | 90.2 | 5.1 | 94.9 |
| Lamu | 37.5 | 62.5 | 65.7 | 34.3 | 10.9 | 89.1 | 10.4 | 89.6 |
| Taita Taveta | 45.3 | 54.7 | 49.4 | 50.6 | 11.7 | 88.3 | 8.3 | 91.7 |
| Tana River | 31.5 | 68.5 | 16.5 | 83.5 | 5.5 | 94.5 | 1.3 | 98.7 |
| Eastern Rural | 45 | 55 | 56.2 | 43.8 | 12 | 88 | 9.7 | 90.3 |
| Mbeere | 62.2 | 37.8 | 67.1 | 32.9 | 18.7 | 81.3 | 12.4 | 87.6 |
| Embu | 45.8 | 54.2 | 43.1 | 56.9 | 24.9 | 75.1 | 16.6 | 83.4 |
| Kitui | 37.1 | 62.9 | 38.7 | 61.3 | 13.8 | 86.2 | 8 | 92 |
| Machakos | 22 | 78 | 32.9 | 67.1 | 13.7 | 86.3 | 9.2 | 90.8 |
| Meru | 84.9 | 15.1 | 83.4 | 16.6 | 2 | 98 | 9 | 91 |
| Makueni | 30 | 70 | 37.9 | 62.1 | 6.5 | 93.5 | 9.6 | 90.4 |
| Tharaka Nithi | 51.8 | 48.2 | 56.2 | 43.8 | 8.7 | 91.3 | 12.1 | 87.9 |
| Nyambene | 80.1 | 19.9 | 78.5 | 21.5 | 14.8 | 85.2 | 8.5 | 91.5 |
| Nyanza Rural | 39.4 | 60.6 | 51 | 49 | 9.5 | 90.5 | 9.3 | 90.7 |
| Kisii | 53.4 | 46.6 | 53.6 | 46.4 | 5.2 | 94.8 | 2.7 | 97.3 |
| Kisumu | 53.4 | 46.6 | 58.8 | 41.2 | 7.8 | 92.2 | 13.1 | 86.9 |
| Siaya | 58.2 | 41.8 | 60.8 | 39.2 | 15.4 | 84.6 | 17.5 | 82.5 |
| Homa Bay | 31.8 | 68.2 | 45.2 | 54.8 | 6 | 94 | 2.3 | 97.7 |
| Migori | 47.4 | 52.6 | 68.4 | 31.6 | 4.8 | 95.2 | 7.4 | 92.6 |
| Nyamira | 8.1 | 91.9 | 18.8 | 81.2 | 15.1 | 84.9 | 9.8 | 90.2 |
| Rift Valley Rural | 52.1 | 47.9 | 59.5 | 40.5 | 8.1 | 91.9 | 6.6 | 93.4 |
| Kajiado | 50.1 | 49.9 | 45.3 | 54.7 | 13 | 87 | 5.1 | 94.9 |
| Kericho | 56.4 | 43.6 | 68.5 | 31.5 | 4.5 | 95.5 | 6.2 | 93.8 |
| Laikipia | 61.1 | 38.9 | 76.5 | 23.5 | 14.6 | 85.4 | 3.3 | 96.7 |
| Nakuru | 80.7 | 19.3 | 83.7 | 16.3 | 14.3 | 85.7 | 8 | 92 |
| Nandi | 44.6 | 55.4 | 50.3 | 49.7 | 5.9 | 94.1 | 6.9 | 93.1 |
| Narok | 79.1 | 20.9 | 72.8 | 27.2 | 14.2 | 85.8 | 7.2 | 92.8 |
| Bomet | 26.6 | 73.4 | 24.1 | 75.9 | 1.9 | 98.1 | 2 | 98 |
| Transmara | 40.2 | 59.8 | 31.1 | 68.9 | 9.6 | 90.4 | 1.7 | 98.3 |
| Baringo | 74.7 | 25.3 | 72.3 | 27.7 | 1.5 | 98.5 | 7.8 | 92.2 |
| Elgeyo-Marakwet | 70.4 | 29.6 | 63.6 | 36.4 | 6 | 94 | 9.2 | 90.8 |
| Trans Nzoia | 29 | 71 | 23.8 | 76.2 | 16 | 84 | 10 | 90 |
| Uasin Gishu | 39.6 | 60.4 | 49.3 | 50.7 | 5.2 | 94.8 | 8.1 | 91.9 |
| West Pokot | 45 | 55 | 82.5 | 17.5 | 4.4 | 95.6 | 5.5 | 94.5 |
| Western Rural | 31.6 | 68.4 | 39.5 | 60.5 | 13.1 | 86.9 | 10.2 | 89.8 |
| Bungoma | 37.5 | 62.5 | 48.3 | 51.7 | 15.1 | 84.9 | 13.8 | 86.2 |
| Busia | 55.5 | 44.5 | 61.3 | 38.7 | 10.7 | 89.3 | 11.2 | 88.8 |
| Kakamega | 26.4 | 73.6 | 33.6 | 66.4 | 7.2 | 92.8 | 6.2 | 93.8 |
| Vihiga | 15.1 | 84.9 | 25.3 | 74.7 | 21.8 | 78.2 | 12 | 88 |
| Total Rural | 44.7 | 55.3 | 55.4 | 44.6 | 10.6 | 89.4 | 9.5 | 90.5 |
| Total Urban | 56.6 | 43.4 | 61.7 | 38.3 | 20.4 | 79.6 | 11.9 | 88.1 |
| Nairobi | 57.7 | 42.3 | 59.6 | 40.4 | 28 | 72 | 13.2 | 86.8 |
| Mombasa | 52.3 | 47.7 | 55.7 | 44.3 | 12.3 | 87.7 | 9.8 | 90.2 |
| Kisumu | 61.3 | 38.7 | 68.2 | 31.8 | 7.6 | 92.4 | 10.5 | 89.5 |
| Nakuru | 61.9 | 38.1 | 72.3 | 27.7 | 17.8 | 82.2 | 12.3 | 87.7 |
| Other urban | 54.1 | 45.9 | 65.9 | 34.1 | 12.9 | 87.1 | 10.8 | 89.2 |
| Nation | 46.7 | 53.3 | 56.6 | 43.4 | 12.2 | 87.8 | 9.9 | 90.1 |

Annex 6.3a: Distribution of economically active poor population by Industry during the Past 12 months (%)

| | N | None | Agriculture | Forestry | Fishing | Sales | Manu facturing | Mining | Transport | Cons truction | All |
|--------------------------|------------------|-------------|-------------|------------|------------|-------------|-------------------|------------|------------|------------------|--------------|
| Central Rural | 640,711 | 35.6 | 57.0 | 0.1 | 0.0 | 4.0 | 0.5 | 0.5 | 0.7 | 1.5 | 100.0 |
| Kiambu | 165,751 | 30.1 | 61.5 | 0.0 | 0.0 | 3.4 | 0.7 | 0.0 | 2.0 | 2.3 | 100.0 |
| Kirinyaga | 92,215 | 38.9 | 55.4 | 0.0 | 0.0 | 2.1 | 0.7 | 1.2 | 0.7 | 1.0 | 100.0 |
| Muranga | 213,145 | 45.0 | 49.6 | 0.0 | 0.0 | 3.2 | 0.0 | 0.8 | 0.2 | 1.2 | 100.0 |
| Nyandarua | 51,087 | 17.8 | 75.5 | 1.7 | 0.0 | 2.5 | 1.5 | 0.0 | 0.0 | 1.0 | 100.0 |
| Nyeri | 118,513 | 31.4 | 57.6 | 0.0 | 0.0 | 8.3 | 0.7 | 0.0 | 0.3 | 1.7 | 100.0 |
| Coast Rural | 443,929 | 40.2 | 35.3 | 0.5 | 0.8 | 17.7 | 3.0 | 0.0 | 0.8 | 0.0 | 100.0 |
| Kilifi | 219,688 | 31.5 | 39.4 | 0.1 | 1.0 | 21.5 | 5.0 | 0.0 | 0.4 | 1.2 | 100.0 |
| Kwale | 129,500 | 47.5 | 30.5 | 0.9 | 0.0 | 15.8 | 1.3 | 0.0 | 1.5 | 2.6 | 100.0 |
| Lamu | 13,560 | 51.1 | 26.0 | 2.3 | 7.3 | 8.4 | 3.2 | 0.0 | 0.0 | 1.8 | 100.0 |
| Taita Taveta | 72,072 | 51.8 | 33.8 | 0.5 | 0.0 | 11.4 | 0.0 | 0.0 | 0.9 | 1.6 | 100.0 |
| Tana River | 9,109 | 39.5 | 30.6 | 0.0 | 4.1 | 15.3 | 2.2 | 0.0 | 0.0 | 8.3 | 100.0 |
| Eastern Rural | 1,202,667 | 57.6 | 29.9 | 0.0 | 0.0 | 10.5 | 0.4 | 0.0 | 0.2 | 0.0 | 100.0 |
| Mbeere | 45,740 | 22.6 | 60.0 | 0.0 | 0.0 | 13.3 | 0.8 | 0.0 | 1.1 | 2.2 | 100.0 |
| Embu | 60,387 | 23.5 | 67.2 | 0.0 | 0.0 | 8.7 | 0.0 | 0.0 | 0.0 | 0.5 | 100.0 |
| Kitui | 231,806 | 55.1 | 29.8 | 0.0 | 0.0 | 11.5 | 1.0 | 0.0 | 0.6 | 2.1 | 100.0 |
| Machakos | 260,540 | 74.8 | 12.9 | 0.0 | 0.0 | 8.9 | 0.8 | 0.0 | 0.0 | 2.5 | 100.0 |
| Meru | 86,306 | 23.9 | 64.5 | 0.0 | 0.0 | 9.9 | 0.4 | 0.0 | 0.6 | 0.7 | 100.0 |
| Makueni | 239,705 | 65.2 | 16.2 | 0.0 | 0.0 | 17.5 | 0.0 | 0.0 | 0.0 | 1.1 | 100.0 |
| Tharaka Nithi | 93,883 | 48.3 | 46.4 | 0.0 | 0.0 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyambene | 184,301 | 66.8 | 27.6 | 0.0 | 0.0 | 5.1 | 0.0 | 0.0 | 0.0 | 0.4 | 100.0 |
| Nyanza Rural | 1,390,680 | 41.4 | 52.1 | 0.1 | 0.9 | 4.5 | 0.2 | 0.2 | 0.4 | 0.0 | 100.0 |
| Kisii | 209,222 | 30.3 | 66.0 | 0.0 | 0.0 | 2.5 | 0.7 | 0.0 | 0.2 | 0.3 | 100.0 |
| Kisumu | 178,975 | 38.8 | 48.8 | 0.2 | 1.1 | 8.5 | 1.0 | 0.0 | 1.1 | 0.4 | 100.0 |
| Siaya | 224,573 | 20.3 | 67.8 | 0.2 | 4.0 | 5.1 | 0.0 | 0.8 | 0.4 | 1.3 | 100.0 |
| Homa Bay | 220,693 | 60.5 | 32.7 | 0.0 | 0.5 | 6.1 | 0.0 | 0.0 | 0.2 | 0.0 | 100.0 |
| Migori | 240,546 | 35.6 | 58.1 | 0.0 | 0.0 | 5.7 | 0.0 | 0.3 | 0.3 | 0.0 | 100.0 |
| Nyamira | 316,670 | 56.3 | 42.5 | 0.2 | 0.0 | 0.9 | 0.0 | 0.0 | 0.2 | 0.0 | 100.0 |
| Rift Valley Rural | 1,323,984 | 41.0 | 50.4 | 0.8 | 0.0 | 5.8 | 0.4 | 0.0 | 0.8 | 0.0 | 100.0 |
| Kajiado | 36,977 | 39.7 | 42.8 | 0.0 | 0.0 | 9.2 | 2.2 | 0.0 | 2.2 | 3.9 | 100.0 |
| Kericho | 154,029 | 57.3 | 36.1 | 1.0 | 0.0 | 4.6 | 0.0 | 0.0 | 0.3 | 0.7 | 100.0 |
| Laikipia | 46,650 | 26.8 | 64.3 | 0.6 | 0.0 | 7.2 | 0.0 | 0.0 | 0.0 | 1.1 | 100.0 |
| Nakuru | 196,180 | 21.1 | 67.1 | 2.3 | 0.0 | 6.2 | 1.1 | 0.0 | 0.6 | 1.5 | 100.0 |
| Nandi | 174,215 | 54.2 | 35.5 | 0.4 | 0.0 | 7.4 | 0.5 | 0.0 | 1.1 | 1.0 | 100.0 |
| Narok | 57,020 | 12.4 | 84.7 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Bomet | 168,051 | 54.0 | 40.0 | 0.2 | 0.0 | 5.1 | 0.0 | 0.0 | 0.1 | 0.6 | 100.0 |
| Transmara | 62,928 | 61.1 | 35.4 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.8 | 0.0 | 100.0 |
| Baringo | 63,151 | 16.9 | 72.7 | 1.4 | 0.0 | 8.7 | 0.0 | 0.0 | 0.4 | 0.0 | 100.0 |
| Elgeyo-Marakwet | 69,029 | 30.9 | 62.7 | 0.0 | 0.0 | 2.9 | 1.4 | 0.0 | 1.8 | 0.4 | 100.0 |
| Trans Nzoia | 119,112 | 49.8 | 40.4 | 1.3 | 0.0 | 4.3 | 0.0 | 0.0 | 2.9 | 1.2 | 100.0 |
| Uasin Gishu | 90,352 | 54.4 | 40.8 | 0.4 | 0.0 | 3.2 | 0.4 | 0.0 | 0.4 | 0.4 | 100.0 |
| West Pokot | 86,291 | 17.3 | 70.2 | 0.0 | 0.0 | 11.3 | 0.8 | 0.0 | 0.0 | 0.5 | 100.0 |
| Western Rural | 861,525 | 60.0 | 30.5 | 0.2 | 0.2 | 7.8 | 0.4 | 0.0 | 0.3 | 0.0 | 100.0 |
| Bungoma | 221,855 | 51.3 | 39.9 | 0.2 | 0.0 | 6.7 | 0.7 | 0.0 | 0.4 | 0.8 | 100.0 |
| Busia | 144,359 | 47.4 | 45.1 | 0.0 | 1.1 | 5.8 | 0.3 | 0.0 | 0.0 | 0.3 | 100.0 |
| Kakamega | 304,220 | 64.1 | 29.5 | 0.0 | 0.0 | 5.5 | 0.4 | 0.0 | 0.5 | 0.0 | 100.0 |
| Vihiga | 191,090 | 73.1 | 10.2 | 0.8 | 0.0 | 14.0 | 0.0 | 0.0 | 0.0 | 1.9 | 100.0 |
| Total Rural | 5,863,497 | 46.6 | 43.3 | 0.3 | 0.3 | 7.4 | 0.6 | 0.1 | 0.5 | 0.6 | 100.0 |
| Total Urban | 1,190,888 | 36.5 | 11.6 | 0.2 | 0.4 | 38.3 | 4.3 | 0.1 | 2.2 | 6.3 | 100.0 |
| Nairobi | 602,848 | 32.5 | 14.4 | 0.0 | 0.0 | 37.5 | 4.6 | 0.0 | 1.7 | 9.3 | 100.0 |
| Mombasa | 129,969 | 42.0 | 9.2 | 0.0 | 1.7 | 36.5 | 1.2 | 0.0 | 4.6 | 4.8 | 100.0 |
| Kisumu | 73,726 | 37.1 | 5.6 | 0.0 | 2.8 | 44.7 | 5.4 | 0.0 | 1.9 | 2.6 | 100.0 |
| Nakuru | 65,754 | 41.4 | 4.4 | 1.7 | 0.0 | 47.1 | 1.3 | 0.6 | 2.5 | 1.0 | 100.0 |
| Other urban | 318,591 | 40.7 | 10.1 | 0.3 | 0.4 | 37.1 | 5.5 | 0.3 | 2.2 | 3.3 | 100.0 |
| Nation | 7,054,385 | 44.9 | 37.9 | 0.3 | 0.3 | 12.6 | 1.2 | 0.1 | 0.8 | 1.5 | 100.0 |

Annex 6.3b: Distribution of economically active non-poor population by Industry during the Past 12 months (%)

| | N | None | Agriculture | Forestry | Fishing | Sales | Manu facturing | Mining | Transport | Cons truction | All |
|--------------------------|------------------|-------------|-------------|------------|------------|-------------|-------------------|------------|------------|------------------|--------------|
| Central Rural | 1,462,757 | 31.1 | 49.7 | 0.5 | 0.0 | 14.5 | 1.2 | 0.2 | 1.6 | 1.3 | 100.0 |
| Kiambu | 508,199 | 23.0 | 52.4 | 0.4 | 0.0 | 18.3 | 2.0 | 0.1 | 2.8 | 1.1 | 100.0 |
| Kirinyaga | 173,899 | 40.2 | 43.1 | 0.3 | 0.0 | 11.2 | 0.9 | 0.9 | 0.3 | 3.1 | 100.0 |
| Muranga | 348,543 | 46.0 | 45.2 | 0.0 | 0.0 | 7.6 | 0.4 | 0.1 | 0.1 | 0.5 | 100.0 |
| Nyandarua | 157,510 | 21.3 | 62.2 | 1.5 | 0.1 | 11.0 | 1.5 | 0.0 | 1.1 | 1.4 | 100.0 |
| Nyeri | 274,606 | 27.0 | 47.4 | 0.6 | 0.0 | 20.2 | 0.8 | 0.0 | 2.5 | 1.4 | 100.0 |
| Coast Rural | 302,163 | 33.7 | 31.2 | 0.3 | 0.9 | 26.4 | 1.7 | 0.1 | 3.2 | 0.0 | 100.0 |
| Kilifi | 122,477 | 21.5 | 37.3 | 0.0 | 1.4 | 32.8 | 2.0 | 0.4 | 2.4 | 2.2 | 100.0 |
| Kwale | 100,639 | 38.4 | 24.9 | 0.4 | 0.0 | 25.2 | 2.7 | 0.0 | 5.3 | 3.1 | 100.0 |
| Lamu | 22,198 | 30.9 | 38.2 | 1.9 | 3.6 | 22.3 | 0.0 | 0.0 | 1.2 | 1.8 | 100.0 |
| Taita Taveta | 41,196 | 49.7 | 23.6 | 0.0 | 0.0 | 21.4 | 0.0 | 0.0 | 2.4 | 2.8 | 100.0 |
| Tana River | 15,652 | 61.2 | 33.7 | 0.8 | 1.1 | 1.6 | 0.8 | 0.0 | 0.0 | 0.8 | 100.0 |
| Eastern Rural | 864,453 | 47.1 | 34.8 | 0.1 | 0.0 | 15.4 | 0.7 | 0.1 | 0.4 | 0.0 | 100.0 |
| Mbeere | 43,949 | 15.9 | 53.2 | 0.0 | 0.0 | 26.9 | 1.4 | 1.5 | 1.1 | 0.0 | 100.0 |
| Embu | 50,563 | 20.3 | 59.7 | 0.0 | 0.0 | 17.9 | 0.4 | 0.0 | 0.0 | 1.7 | 100.0 |
| Kitui | 126,993 | 50.5 | 31.3 | 0.1 | 0.0 | 16.2 | 1.0 | 0.0 | 0.0 | 0.9 | 100.0 |
| Machakos | 159,566 | 60.1 | 16.7 | 0.4 | 0.0 | 18.0 | 1.3 | 0.0 | 1.5 | 2.0 | 100.0 |
| Meru | 125,659 | 26.5 | 60.4 | 0.0 | 0.0 | 12.4 | 0.1 | 0.0 | 0.3 | 0.3 | 100.0 |
| Makueni | 87,052 | 47.2 | 26.9 | 0.0 | 0.0 | 20.5 | 1.8 | 0.0 | 0.0 | 3.6 | 100.0 |
| Tharaka Nithi | 77,957 | 40.6 | 42.8 | 0.0 | 0.0 | 12.9 | 0.0 | 0.0 | 0.0 | 3.8 | 100.0 |
| Nyambene | 192,713 | 64.1 | 25.1 | 0.0 | 0.0 | 10.0 | 0.0 | 0.0 | 0.0 | 0.7 | 100.0 |
| Nyanza Rural | 864,042 | 34.0 | 49.5 | 0.5 | 1.6 | 11.2 | 1.5 | 0.1 | 1.1 | 0.0 | 100.0 |
| Kisii | 160,264 | 36.7 | 49.9 | 2.0 | 0.0 | 7.3 | 0.2 | 0.0 | 3.0 | 1.0 | 100.0 |
| Kisumu | 98,025 | 36.9 | 33.8 | 0.0 | 0.0 | 19.8 | 5.5 | 0.7 | 3.2 | 0.0 | 100.0 |
| Siaya | 176,479 | 21.4 | 51.1 | 0.3 | 7.0 | 18.0 | 0.7 | 0.2 | 0.7 | 0.6 | 100.0 |
| Homa Bay | 65,760 | 57.2 | 27.5 | 0.0 | 2.2 | 13.2 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Migori | 184,254 | 18.2 | 71.8 | 0.0 | 0.0 | 8.5 | 1.0 | 0.0 | 0.1 | 0.4 | 100.0 |
| Nyamira | 179,260 | 49.9 | 41.3 | 0.6 | 0.0 | 5.3 | 2.3 | 0.0 | 0.0 | 0.6 | 100.0 |
| Rift Valley Rural | 1,404,819 | 38.1 | 43.4 | 0.6 | 0.0 | 14.4 | 0.9 | 0.1 | 1.4 | 0.0 | 100.0 |
| Kajiado | 106,535 | 41.6 | 37.1 | 0.0 | 0.0 | 16.0 | 0.0 | 0.7 | 1.5 | 3.2 | 100.0 |
| Kericho | 146,311 | 55.4 | 35.0 | 0.4 | 0.0 | 8.7 | 0.0 | 0.0 | 0.0 | 0.4 | 100.0 |
| Laikipia | 93,664 | 15.6 | 70.8 | 0.3 | 0.0 | 9.4 | 0.5 | 0.0 | 1.4 | 1.9 | 100.0 |
| Nakuru | 266,761 | 20.6 | 48.1 | 2.1 | 0.0 | 21.9 | 3.4 | 0.0 | 2.9 | 1.2 | 100.0 |
| Nandi | 111,335 | 49.5 | 35.0 | 0.4 | 0.0 | 13.3 | 0.4 | 0.0 | 1.3 | 0.2 | 100.0 |
| Narok | 58,879 | 8.1 | 74.3 | 0.0 | 0.0 | 13.9 | 0.0 | 0.0 | 0.6 | 3.2 | 100.0 |
| Bomet | 111,191 | 70.7 | 18.9 | 0.0 | 0.0 | 8.2 | 0.5 | 0.0 | 1.3 | 0.4 | 100.0 |
| Transmara | 48,350 | 58.4 | 25.3 | 0.0 | 0.0 | 10.4 | 2.8 | 0.0 | 1.0 | 2.1 | 100.0 |
| Baringo | 118,361 | 19.0 | 55.6 | 0.0 | 0.0 | 24.8 | 0.0 | 0.0 | 0.4 | 0.2 | 100.0 |
| Elgeyo-Marakwet | 72,888 | 23.2 | 66.5 | 0.0 | 0.0 | 7.5 | 0.9 | 0.0 | 1.4 | 0.5 | 100.0 |
| Trans Nzoia | 103,186 | 64.5 | 24.8 | 1.2 | 0.4 | 6.8 | 0.0 | 0.0 | 2.0 | 0.3 | 100.0 |
| Uasin Gishu | 128,867 | 48.2 | 35.7 | 0.1 | 0.0 | 12.4 | 0.0 | 0.0 | 1.9 | 1.7 | 100.0 |
| West Pokot | 38,491 | 13.6 | 59.3 | 0.0 | 0.0 | 26.3 | 0.0 | 0.2 | 0.0 | 0.6 | 100.0 |
| Western Rural | 682,817 | 51.4 | 29.2 | 0.0 | 0.2 | 16.7 | 1.1 | 0.0 | 0.7 | 0.0 | 100.0 |
| Bungoma | 198,064 | 38.0 | 45.6 | 0.0 | 0.0 | 12.8 | 0.8 | 0.0 | 0.6 | 2.2 | 100.0 |
| Busia | 80,061 | 32.8 | 47.9 | 0.0 | 1.7 | 15.3 | 0.0 | 0.0 | 2.0 | 0.4 | 100.0 |
| Kakamega | 268,825 | 57.8 | 20.1 | 0.0 | 0.0 | 19.5 | 1.7 | 0.0 | 0.9 | 0.0 | 100.0 |
| Vihiga | 135,867 | 69.0 | 12.3 | 0.0 | 0.0 | 17.8 | 0.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Total Rural | 5,581,050 | 38.4 | 42.3 | 0.4 | 0.3 | 15.0 | 1.1 | 0.1 | 1.3 | 0.7 | 100.0 |
| Total Urban | 1,354,070 | 29.1 | 10.3 | 0.2 | 0.1 | 51.4 | 3.5 | 0.3 | 3.1 | 2.0 | 100.0 |
| Nairobi | 655,131 | 26.7 | 13.7 | 0.2 | 0.0 | 52.5 | 2.6 | 0.0 | 2.0 | 2.2 | 100.0 |
| Mombasa | 226,397 | 37.6 | 7.5 | 0.0 | 0.3 | 43.9 | 1.3 | 0.9 | 6.7 | 1.9 | 100.0 |
| Kisumu | 46,204 | 29.4 | 2.2 | 0.5 | 1.1 | 57.6 | 6.8 | 0.0 | 0.8 | 1.6 | 100.0 |
| Nakuru | 101,804 | 32.1 | 4.5 | 0.4 | 0.3 | 52.9 | 3.9 | 0.6 | 4.0 | 1.3 | 100.0 |
| Other urban | 324,533 | 27.0 | 8.3 | 0.4 | 0.1 | 53.2 | 6.1 | 0.4 | 2.6 | 1.9 | 100.0 |
| Nation | 6,935,120 | 36.6 | 36.0 | 0.4 | 0.3 | 22.1 | 1.6 | 0.1 | 1.6 | 1.0 | 100.0 |

Annex 6.5 Distribution of Economically active population by Type of employer

| Region | Public Sector | | Semi-Public | | Private Formal | | Private Informal | |
|--------------------------|---------------|-------------|-------------|------------|----------------|-------------|------------------|-------------|
| | Poor | Non-Poor | Poor | Non-Poor | Poor | Non-Poor | Poor | Non-Poor |
| Central Rural | 1.6 | 8.8 | 1 | 1.9 | 22.3 | 28.8 | 75.1 | 60.6 |
| Kiambu | 0.3 | 10.5 | 0 | 2 | 26.2 | 29.5 | 73.5 | 58 |
| Kirinyaga | 2.7 | 7.5 | 0.8 | 4.3 | 41.7 | 39.2 | 54.8 | 49 |
| Muranga | 1.2 | 4.8 | 1.5 | 1.4 | 20.4 | 37.6 | 76.9 | 56.2 |
| Nyandarua | 0 | 7 | 0 | 0 | 10.9 | 20 | 89.1 | 73 |
| Nyeri | 4 | 12.2 | 1.5 | 2.1 | 13.4 | 17.9 | 81.1 | 67.8 |
| Coast Rural | 4.9 | 10.4 | 0.4 | 1.8 | 10.5 | 19 | 84.2 | 68.8 |
| Kilifi | 5.2 | 9.2 | 0 | 1.2 | 9.6 | 24.2 | 85.1 | 65.3 |
| Kwale | 2.5 | 9.9 | 0 | 2.6 | 14.5 | 16.3 | 82.9 | 71.2 |
| Lamu | 4.7 | 9.2 | 2.3 | 0 | 5.7 | 5.9 | 87.2 | 84.9 |
| Taita Taveta | 6.5 | 17.9 | 3.5 | 4.1 | 6 | 16.5 | 84 | 61.5 |
| Tana River | 25.4 | 12.2 | 0 | 0 | 18.3 | 8.8 | 56.3 | 79 |
| Eastern Rural | 4.5 | 16.9 | 2.1 | 0.9 | 14.7 | 13.7 | 78.6 | 68.5 |
| Mbeere | 8.8 | 9.7 | 8.3 | 2.6 | 24.6 | 31.8 | 58.3 | 55.9 |
| Embu | 4.3 | 23.1 | 2.5 | 2.1 | 23.7 | 20.8 | 69.5 | 54 |
| Kitui | 4 | 21 | 1.1 | 0 | 17.2 | 12.7 | 77.6 | 66.3 |
| Machakos | 3.7 | 15.7 | 2.5 | 0 | 13.7 | 12 | 80.1 | 72.3 |
| Meru | 1.9 | 18.7 | 0 | 1 | 35.8 | 26.7 | 62.3 | 53.6 |
| Makueni | 7.4 | 31.3 | 3.3 | 2.6 | 5.4 | 6.3 | 83.8 | 59.7 |
| Tharaka Nithi | 5.7 | 19.5 | 0 | 0 | 5.5 | 11.2 | 88.8 | 69.3 |
| Nyambene | 0 | 5.1 | 0 | 1 | 3.9 | 0.9 | 96.1 | 93 |
| Nyanza Rural | 4 | 11.6 | 1.3 | 2 | 6.3 | 14.5 | 88.4 | 71.9 |
| Kisii | 9.3 | 18.8 | 0 | 0.5 | 11.8 | 14.5 | 78.8 | 66.2 |
| Kisumu | 3.7 | 11.8 | 1.4 | 7.9 | 9.3 | 20.4 | 85.6 | 59.9 |
| Siaya | 0.7 | 5.5 | 1.2 | 0.2 | 2.2 | 2.9 | 95.9 | 91.4 |
| Homa Bay | 5.1 | 24.2 | 0.9 | 5 | 6.2 | 7.3 | 87.8 | 63.5 |
| Migori | 2.8 | 9 | 0 | 0 | 4.3 | 18.3 | 92.9 | 72.7 |
| Nyamira | 24.5 | 25.6 | 12.6 | 6.4 | 26.5 | 37.1 | 36.4 | 30.9 |
| Rift Valley Rural | 4.9 | 14.6 | 2.1 | 2.3 | 14.9 | 17.6 | 78.1 | 65.5 |
| Kajiado | 0 | 10.4 | 0 | 0.5 | 5.6 | 10.4 | 94.4 | 78.8 |
| Kericho | 3.5 | 13 | 2 | 1.1 | 23.9 | 22.4 | 70.6 | 63.5 |
| Laikipia | 1.4 | 8.4 | 0 | 0.6 | 8.1 | 9.8 | 90.4 | 81.2 |
| Nakuru | 1.8 | 11.4 | 1 | 0.8 | 11.2 | 27.6 | 86 | 60.1 |
| Nandi | 4.1 | 10.9 | 5.9 | 1.7 | 20.2 | 28.3 | 69.8 | 59 |
| Narok | 4.6 | 17.1 | 1.8 | 13.8 | 1.9 | 2.8 | 91.6 | 66.3 |
| Bomet | 9 | 33.1 | 1.8 | 4.2 | 35.2 | 9.6 | 54 | 53.1 |
| Transmara | 2.5 | 36.3 | 0 | 6.5 | 19.3 | 12.2 | 78.2 | 45.1 |
| Baringo | 11.1 | 20.9 | 1 | 4.2 | 2.6 | 9.4 | 85.3 | 65.5 |
| Elgeyo-Marakwet | 14.5 | 16.4 | 0 | 1.2 | 8.5 | 9.7 | 77 | 72.6 |
| Trans Nzoia | 4.4 | 16.1 | 2.5 | 1.1 | 6.6 | 10.6 | 86.5 | 72.2 |
| Uasin Gishu | 7.9 | 8.1 | 4.1 | 3.4 | 7.8 | 25.3 | 80.1 | 63.2 |
| West Pokot | 3.7 | 21.2 | 1.4 | 0 | 12.8 | 1.5 | 82.1 | 77.3 |
| Western Rural | 5.8 | 18.8 | 1.4 | 2.4 | 9.8 | 11.4 | 83 | 67.4 |
| Bungoma | 4.2 | 18.8 | 1.9 | 1.8 | 4.3 | 8.5 | 89.6 | 70.9 |
| Busia | 1.7 | 20.5 | 1.1 | 1.4 | 17.3 | 23.5 | 79.9 | 54.6 |
| Kakamega | 9.4 | 23.8 | 2.1 | 2.9 | 12.2 | 15.3 | 76.3 | 58 |
| Vihiga | 5.1 | 5.7 | 0 | 3.2 | 6.1 | 0 | 88.8 | 91.1 |
| Total Rural | 4.2 | 12.8 | 1.5 | 1.9 | 13.1 | 19.6 | 81.1 | 65.7 |
| Total Urban | 9.5 | 15.8 | 2.9 | 6.2 | 21.7 | 30.9 | 65.9 | 47.1 |
| Nairobi | 3.7 | 11 | 1.6 | 6.1 | 21.2 | 35.8 | 73.5 | 47.1 |
| Mombasa | 11.9 | 19.2 | 0 | 2.3 | 29.3 | 32.2 | 58.8 | 46.3 |
| Kisumu | 12.9 | 15.5 | 5.6 | 11.4 | 29.3 | 20.3 | 52.2 | 52.8 |
| Nakuru | 14.4 | 13.4 | 5 | 11.3 | 14.2 | 22.7 | 66.3 | 52.6 |
| Other urban | 18.5 | 24 | 5.3 | 6.3 | 19.3 | 24.8 | 56.9 | 44.9 |
| Nation | 5.6 | 13.6 | 1.9 | 3 | 15.2 | 22.5 | 77.3 | 60.9 |

Annex 6.8a Employment status of poor male heads of households (%)

| | N | Un employed | Employer | Regular Employee Skilled | Regular Employee Unskilled | Casual Employee Skilled | Casual Employee Unskilled | Own Account Worker | Unpaid Family Worker | Student/ Apprentic e | Pensioner/ Investor | Sick/ Handicapp ed | Total |
|--------------------------|------------------|----------------|------------|--------------------------------|----------------------------------|-------------------------------|---------------------------------|--------------------------|----------------------------|----------------------------|------------------------|--------------------------|--------------|
| Central Rural | 136,688 | 1.4 | 0.0 | 7.9 | 0.0 | 4.4 | 14.9 | 54.8 | 14.2 | 0.0 | 0.3 | 2.1 | 100.0 |
| Kiambu | 27,964 | 0.0 | 0.0 | 6.6 | 0.0 | 5.0 | 27.1 | 32.5 | 25.5 | 0.0 | 1.7 | 1.6 | 100.0 |
| Kirinyaga | 23,110 | 0.0 | 0.0 | 6.4 | 0.0 | 4.5 | 5.0 | 55.0 | 24.7 | 0.0 | 0.0 | 4.2 | 100.0 |
| Muranga | 45,686 | 0.0 | 0.0 | 10.7 | 0.0 | 4.9 | 11.2 | 63.8 | 7.1 | 0.0 | 0.0 | 2.3 | 100.0 |
| Nyandarua | 9,690 | 0.0 | 0.0 | 13.2 | 0.0 | 1.8 | 9.8 | 69.4 | 5.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyeri | 30,238 | 6.4 | 0.0 | 4.1 | 0.0 | 3.7 | 18.4 | 56.9 | 9.0 | 0.0 | 0.0 | 1.5 | 100.0 |
| Coast Rural | 94,498 | 5.8 | 0.4 | 8.9 | 0.4 | 4.1 | 19.2 | 47.7 | 11.5 | 0.0 | 0.6 | 1.2 | 100.0 |
| Kilifi | 43,687 | 5.8 | 0.0 | 10.4 | 0.0 | 3.8 | 21.2 | 52.5 | 5.1 | 0.0 | 0.0 | 1.3 | 100.0 |
| Kwale | 34,050 | 6.1 | 1.2 | 8.2 | 1.2 | 4.5 | 17.9 | 50.9 | 7.5 | 0.0 | 1.3 | 1.3 | 100.0 |
| Lamu | 2,723 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 31.6 | 56.2 | 3.1 | 0.0 | 6.0 | 3.1 | 100.0 |
| Taita Taveta | 12,617 | 7.1 | 0.0 | 5.3 | 0.0 | 5.8 | 14.2 | 23.9 | 42.9 | 0.0 | 0.0 | 0.8 | 100.0 |
| Tana River | 1,421 | 0.0 | 0.0 | 31.9 | 0.0 | 0.0 | 10.2 | 14.1 | 43.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 235,042 | 5.7 | 0.8 | 4.7 | 0.8 | 7.0 | 11.6 | 31.1 | 35.3 | 0.2 | 1.1 | 1.8 | 100.0 |
| Mbeere | 9,362 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | 10.4 | 44.9 | 39.3 | 0.0 | 0.0 | 0.0 | 100.0 |
| Embu | 13,578 | 2.9 | 0.0 | 3.2 | 0.0 | 0.0 | 21.7 | 18.6 | 46.9 | 0.0 | 3.9 | 2.9 | 100.0 |
| Kitui | 44,772 | 7.2 | 1.0 | 3.8 | 1.0 | 3.5 | 14.5 | 44.7 | 23.8 | 0.0 | 0.4 | 0.0 | 100.0 |
| Machakos | 36,701 | 13.5 | 0.0 | 5.9 | 0.0 | 12.9 | 22.4 | 30.5 | 13.3 | 0.0 | 1.4 | 0.0 | 100.0 |
| Meru | 20,562 | 0.0 | 0.0 | 3.4 | 0.0 | 12.5 | 2.9 | 30.0 | 48.6 | 0.0 | 0.0 | 2.6 | 100.0 |
| Makueni | 47,954 | 0.9 | 2.8 | 8.1 | 2.8 | 13.1 | 10.2 | 15.5 | 42.8 | 0.9 | 3.0 | 0.0 | 100.0 |
| Tharaka Nithi | 25,139 | 17.0 | 0.0 | 4.7 | 0.0 | 4.7 | 5.9 | 52.5 | 15.3 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyamene | 36,973 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 4.9 | 22.7 | 62.0 | 0.0 | 0.0 | 8.8 | 100.0 |
| Nyanza Rural | 313,356 | 5.5 | 0.0 | 3.0 | 0.0 | 1.7 | 4.2 | 45.9 | 37.2 | 0.0 | 0.4 | 2.1 | 100.0 |
| Kisii | 46,286 | 0.0 | 0.0 | 1.3 | 0.0 | 0.9 | 2.2 | 31.9 | 63.3 | 0.0 | 0.0 | 0.4 | 100.0 |
| Kisumu | 37,919 | 4.6 | 0.0 | 9.7 | 0.0 | 1.0 | 13.7 | 48.6 | 18.4 | 0.0 | 1.5 | 2.5 | 100.0 |
| Siaya | 51,338 | 1.3 | 0.0 | 1.6 | 0.0 | 8.8 | 6.8 | 68.4 | 10.5 | 0.0 | 0.0 | 2.6 | 100.0 |
| Homa Bay | 50,473 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 1.1 | 56.2 | 36.7 | 0.0 | 1.5 | 3.3 | 100.0 |
| Migori | 61,491 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 71.3 | 22.5 | 0.0 | 0.0 | 3.5 | 100.0 |
| Nyamira | 65,848 | 22.4 | 0.0 | 5.6 | 0.0 | 0.0 | 1.5 | 5.2 | 64.6 | 0.0 | 0.0 | 0.7 | 100.0 |
| Rift Valley Rural | 338,990 | 2.3 | 0.8 | 7.3 | 0.8 | 1.6 | 13.0 | 49.2 | 23.6 | 0.2 | 0.1 | 1.1 | 100.0 |
| Kajiado | 9,691 | 2.1 | 0.0 | 8.4 | 0.0 | 0.0 | 9.7 | 55.7 | 20.5 | 0.0 | 3.7 | 0.0 | 100.0 |
| Kericho | 41,759 | 1.0 | 0.0 | 1.0 | 0.0 | 1.3 | 14.7 | 43.3 | 35.3 | 1.8 | 0.0 | 1.7 | 100.0 |
| Laikipia | 10,787 | 0.0 | 0.0 | 12.7 | 0.0 | 2.6 | 5.9 | 60.2 | 12.7 | 0.0 | 0.0 | 5.8 | 100.0 |
| Nakuru | 48,476 | 0.0 | 0.0 | 8.4 | 0.0 | 1.5 | 20.2 | 50.7 | 18.7 | 0.0 | 0.0 | 0.4 | 100.0 |
| Nandi | 38,751 | 0.0 | 0.0 | 11.2 | 0.0 | 2.7 | 12.3 | 66.0 | 6.7 | 0.0 | 0.0 | 1.1 | 100.0 |
| Narok | 18,358 | 0.0 | 9.5 | 6.5 | 9.5 | 0.0 | 8.1 | 65.1 | 1.4 | 0.0 | 0.0 | 0.0 | 100.0 |
| Bomet | 42,701 | 12.2 | 0.0 | 6.3 | 0.0 | 2.3 | 12.4 | 25.9 | 41.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Transmara | 17,558 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.6 | 49.9 | 39.4 | 0.0 | 0.0 | 0.0 | 100.0 |
| Baringo | 19,266 | 0.0 | 2.6 | 9.7 | 2.6 | 1.6 | 11.1 | 65.0 | 7.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Elgeyo- Marakwet | 14,604 | 0.8 | 0.8 | 10.5 | 0.8 | 2.1 | 2.5 | 54.8 | 22.1 | 0.0 | 0.0 | 5.5 | 100.0 |
| Trans Nzoia | 30,492 | 4.8 | 0.0 | 10.8 | 0.0 | 1.5 | 27.9 | 14.3 | 40.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 20,034 | 1.5 | 0.0 | 9.1 | 0.0 | 2.0 | 7.6 | 40.8 | 37.3 | 0.0 | 0.0 | 1.8 | 100.0 |
| West Pokot | 26,513 | 0.0 | 1.1 | 5.6 | 1.1 | 1.6 | 2.5 | 81.8 | 3.7 | 0.0 | 0.0 | 2.5 | 100.0 |
| Western Rural | 180,341 | 17.1 | 0.5 | 3.9 | 0.5 | 2.5 | 9.9 | 47.0 | 15.8 | 0.0 | 1.1 | 1.8 | 100.0 |
| Bungoma | 48,987 | 16.0 | 0.0 | 4.4 | 0.0 | 1.6 | 5.8 | 59.9 | 7.4 | 0.0 | 3.0 | 1.8 | 100.0 |
| Busia | 37,694 | 11.2 | 2.5 | 4.4 | 2.5 | 1.6 | 9.4 | 49.8 | 15.5 | 0.0 | 1.5 | 1.5 | 100.0 |
| Kakamega | 57,425 | 27.0 | 0.0 | 4.0 | 0.0 | 0.0 | 10.9 | 43.1 | 13.3 | 0.0 | 0.0 | 1.7 | 100.0 |
| Vihiga | 36,236 | 8.9 | 0.0 | 2.3 | 0.0 | 8.5 | 14.1 | 32.7 | 31.2 | 0.0 | 0.0 | 2.3 | 100.0 |
| Total Rural | 1,298,915 | 5.9 | 0.4 | 5.5 | 0.4 | 3.2 | 10.8 | 45.3 | 26.0 | 0.1 | 0.6 | 1.7 | 100.0 |
| Total Urban | 287,106 | 2.4 | 1.6 | 42.7 | 1.6 | 13.3 | 14.4 | 21.7 | 1.8 | 0.0 | 0.5 | 0.1 | 100.0 |
| Nairobi | 138,369 | 1.9 | 2.9 | 44.8 | 2.9 | 18.4 | 13.4 | 15.7 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Mombasa | 30,575 | 0.0 | 0.0 | 43.5 | 0.0 | 3.8 | 20.6 | 26.0 | 2.2 | 0.0 | 3.9 | 0.0 | 100.0 |
| Kisumu | 20,298 | 3.0 | 0.0 | 38.3 | 0.0 | 6.0 | 19.6 | 33.1 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nakuru | 17,035 | 2.4 | 0.0 | 28.7 | 0.0 | 8.0 | 22.3 | 37.8 | 0.0 | 0.0 | 0.7 | 0.0 | 100.0 |
| Other urban | 80,830 | 4.1 | 0.6 | 42.7 | 0.6 | 11.2 | 10.6 | 24.0 | 5.7 | 0.0 | 0.1 | 0.4 | 100.0 |
| Nation | 1,586,021 | 5.3 | 0.7 | 12.2 | 0.7 | 5.0 | 11.5 | 41.0 | 21.6 | 0.1 | 0.6 | 1.4 | 100.0 |

Annex 6.8b: Employment status of poor Female heads of households (%)

| Region | N | Unemploy ed | Employer | Regular Employee Skilled | Regular Employee Unskilled | Casual Employee Skilled | Casual Employee Unskilled | Own Account Worker | Unpaid Family Worker | Student/ Apprentic e | Pensioner/ Investor | Sick/ Handicapp ed | Total |
|--------------------------|----------------|----------------|------------|--------------------------------|----------------------------------|-------------------------------|---------------------------------|--------------------------|----------------------------|----------------------------|------------------------|--------------------------|--------------|
| Central Rural | 66,431 | 1.2 | 0.0 | 2.5 | 0.0 | 1.8 | 15.3 | 50.5 | 25.5 | 0.0 | 0.0 | 3.3 | 100.0 |
| Kiambu | 14,745 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 19.1 | 13.2 | 61.0 | 0.0 | 0.0 | 3.8 | 100.0 |
| Kirinyaga | 7,969 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 15.6 | 54.0 | 25.2 | 0.0 | 0.0 | 1.3 | 100.0 |
| Muranga | 23,298 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 22.0 | 59.3 | 13.8 | 0.0 | 0.0 | 3.0 | 100.0 |
| Nyandarua | 8,789 | 0.0 | 0.0 | 8.8 | 0.0 | 0.0 | 3.0 | 80.3 | 8.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyeri | 11,629 | 4.0 | 0.0 | 0.0 | 0.0 | 10.2 | 6.3 | 54.9 | 17.4 | 0.0 | 0.0 | 7.2 | 100.0 |
| Coast Rural | 36,803 | 5.1 | 0.8 | 0.0 | 0.8 | 0.9 | 7.8 | 40.1 | 42.5 | 0.0 | 0.0 | 1.9 | 100.0 |
| Kilifi | 14,139 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 18.0 | 60.3 | 20.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kwale | 8,154 | 12.8 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 33.0 | 43.2 | 0.0 | 0.0 | 7.4 | 100.0 |
| Lamu | 892 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 58.0 | 42.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Taita Taveta | 12,990 | 4.6 | 2.3 | 0.0 | 2.3 | 2.6 | 0.4 | 23.4 | 63.7 | 0.0 | 0.0 | 0.8 | 100.0 |
| Tana River | 628 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 127,087 | 6.9 | 0.0 | 0.8 | 0.0 | 0.0 | 3.0 | 25.5 | 62.7 | 0.0 | 0.0 | 1.1 | 100.0 |
| Mbeere | 5,109 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 69.0 | 24.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Embu | 5,239 | 7.5 | 0.0 | 4.1 | 0.0 | 0.0 | 0.0 | 27.3 | 56.6 | 0.0 | 0.0 | 4.6 | 100.0 |
| Kitui | 30,880 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 61.9 | 35.9 | 0.0 | 0.0 | 0.0 | 100.0 |
| Machakos | 43,288 | 16.9 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 13.0 | 65.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Meru | 4,249 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Makueni | 18,097 | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 | 8.6 | 6.0 | 81.1 | 0.0 | 0.0 | 0.0 | 100.0 |
| Tharaka Nithi | 5,197 | 8.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.8 | 59.0 | 0.0 | 0.0 | 22.5 | 100.0 |
| Nyambene | 15,029 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.3 | 92.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyanza Rural | 169,461 | 1.0 | 0.0 | 0.8 | 0.0 | 0.0 | 3.9 | 43.1 | 49.0 | 0.0 | 0.0 | 2.1 | 100.0 |
| Kisii | 17,671 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 38.4 | 61.6 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kisumu | 31,645 | 0.6 | 0.0 | 0.3 | 0.0 | 0.0 | 9.5 | 48.1 | 39.2 | 0.0 | 0.0 | 2.3 | 100.0 |
| Siaya | 38,525 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 74.4 | 17.7 | 0.0 | 0.0 | 5.6 | 100.0 |
| Homa Bay | 26,908 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 44.5 | 47.9 | 0.0 | 0.0 | 2.5 | 100.0 |
| Migori | 11,259 | 0.0 | 0.0 | 6.3 | 0.0 | 0.0 | 0.0 | 91.9 | 1.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyamira | 43,454 | 3.5 | 0.0 | 1.4 | 0.0 | 0.0 | 3.3 | 0.0 | 91.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Rift Valley Rural | 104,279 | 2.3 | 0.0 | 0.7 | 0.0 | 0.7 | 9.2 | 46.6 | 37.8 | 2.5 | 0.0 | 0.3 | 100.0 |
| Kajiado | 3,656 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.9 | 35.4 | 54.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kericho | 9,519 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 | 43.7 | 50.2 | 0.0 | 0.0 | 0.0 | 100.0 |
| Laikipia | 3,780 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.6 | 44.2 | 27.8 | 0.0 | 0.0 | 7.3 | 100.0 |
| Nakuru | 26,632 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 21.8 | 27.4 | 38.4 | 9.7 | 0.0 | 0.0 | 100.0 |
| Nandi | 12,091 | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 | 4.2 | 79.9 | 10.1 | 0.0 | 0.0 | 0.0 | 100.0 |
| Narok | 5,257 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 86.7 | 4.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Bomet | 7,604 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25.1 | 68.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Transmara | 6,070 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 54.8 | 45.2 | 0.0 | 0.0 | 0.0 | 100.0 |
| Baringo | 4,414 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 75.4 | 19.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Elgeyo- Marakwet | 5,772 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 44.2 | 52.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Trans Nzoia | 9,815 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 24.4 | 61.6 | 0.0 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 6,202 | 19.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.4 | 33.1 | 0.0 | 0.0 | 0.0 | 100.0 |
| West Pokot | 3,468 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Western Rural | 112,399 | 23.3 | 0.0 | 0.3 | 0.0 | 0.0 | 1.4 | 32.3 | 40.5 | 0.0 | 0.0 | 2.1 | 100.0 |
| Bungoma | 14,876 | 9.9 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 50.4 | 22.1 | 0.0 | 0.0 | 15.7 | 100.0 |
| Busia | 17,745 | 6.6 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 50.3 | 39.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kakamega | 43,684 | 46.9 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 25.5 | 25.3 | 0.0 | 0.0 | 0.0 | 100.0 |
| Vihiga | 36,094 | 8.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.4 | 67.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Total Rural | 616,461 | 6.8 | 0.0 | 0.8 | 0.0 | 0.4 | 5.6 | 38.7 | 45.5 | 0.4 | 0.0 | 1.7 | 100.0 |
| Total Urban | 109,276 | 9.0 | 1.9 | 10.4 | 1.9 | 1.0 | 21.7 | 40.6 | 9.2 | 1.4 | 0.1 | 2.7 | 100.0 |
| Nairobi | 57,919 | 2.0 | 2.9 | 4.9 | 2.9 | 0.0 | 28.7 | 44.3 | 7.6 | 2.7 | 0.0 | 4.0 | 100.0 |
| Mombasa | 10,373 | 46.8 | 0.0 | 7.1 | 0.0 | 0.0 | 2.9 | 30.0 | 13.3 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kisumu | 6,405 | 4.3 | 0.0 | 17.3 | 0.0 | 0.0 | 3.0 | 66.8 | 8.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nakuru | 6,067 | 0.0 | 0.0 | 26.0 | 0.0 | 0.0 | 17.5 | 56.6 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Other urban | 28,511 | 12.4 | 1.5 | 17.7 | 1.5 | 4.0 | 19.5 | 27.7 | 13.0 | 0.0 | 0.5 | 2.1 | 100.0 |
| Nation | 725,737 | 7.1 | 0.3 | 2.3 | 0.3 | 0.5 | 8.1 | 39.0 | 40.0 | 0.6 | 0.0 | 1.9 | 100.0 |

Annex 6.8c: Employment status of Non-Poor male heads of households (%)

| | N | Unemploy ed | Employer | Regular Employee skilled | Regular Employee unskilled | Casual Employee skilled | Casual Employee unskilled | Own account worker | Unpaid family worker | Student/ apprentice | Pensioner/ investor | Sick/ handicapp ed | Total |
|-------------------|-----------|----------------|----------|--------------------------------|----------------------------------|-------------------------------|---------------------------------|--------------------------|----------------------------|------------------------|------------------------|--------------------------|-------|
| Central Rural | 395,992 | 1.6 | 1.0 | 20.6 | 1.0 | 4.8 | 10.6 | 43.4 | 14.8 | 0.2 | 1.5 | 0.6 | 100.0 |
| Kiambu | 138,703 | 0.8 | 2.2 | 25.8 | 2.2 | 4.0 | 13.0 | 31.9 | 16.5 | 0.6 | 2.5 | 0.3 | 100.0 |
| Kirinyaga | 47,855 | 2.3 | 0.0 | 13.7 | 0.0 | 11.2 | 8.8 | 43.5 | 19.0 | 0.0 | 0.9 | 0.6 | 100.0 |
| Muranga | 83,132 | 2.3 | 0.0 | 14.0 | 0.0 | 5.6 | 6.1 | 49.3 | 20.4 | 0.0 | 1.8 | 0.5 | 100.0 |
| Nyandarua | 45,712 | 0.0 | 1.6 | 13.9 | 1.6 | 2.0 | 9.6 | 66.6 | 3.5 | 0.0 | 0.0 | 1.2 | 100.0 |
| Nyeri | 80,589 | 2.8 | 0.0 | 26.4 | 0.0 | 2.9 | 12.7 | 43.6 | 10.1 | 0.0 | 0.4 | 0.9 | 100.0 |
| Coast Rural | 85,332 | 3.8 | 0.2 | 26.1 | 0.2 | 2.8 | 15.8 | 42.4 | 6.0 | 0.0 | 1.9 | 0.8 | 100.0 |
| Kilifi | 38,637 | 0.6 | 0.0 | 32.0 | 0.0 | 3.3 | 18.1 | 37.7 | 4.2 | 0.0 | 2.5 | 1.6 | 100.0 |
| Kwale | 26,475 | 10.5 | 0.0 | 21.1 | 0.0 | 2.4 | 13.4 | 47.3 | 4.7 | 0.0 | 0.6 | 0.0 | 100.0 |
| Lamu | 7,114 | 3.5 | 0.0 | 23.7 | 0.0 | 0.0 | 15.7 | 55.8 | 0.0 | 0.0 | 0.0 | 1.3 | 100.0 |
| Taita Taveta | 9,174 | 0.0 | 1.7 | 26.5 | 1.7 | 5.4 | 11.4 | 29.2 | 18.7 | 0.0 | 5.5 | 0.0 | 100.0 |
| Tana River | 3,934 | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 | 19.4 | 62.1 | 14.2 | 0.0 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 239,861 | 3.6 | 0.7 | 17.3 | 0.7 | 4.6 | 8.9 | 35.1 | 26.8 | 0.0 | 1.3 | 1.1 | 100.0 |
| Mbeere | 13,874 | 0.0 | 0.0 | 16.2 | 0.0 | 3.6 | 11.0 | 57.5 | 8.1 | 0.0 | 3.6 | 0.0 | 100.0 |
| Embu | 14,205 | 0.0 | 1.5 | 18.1 | 1.5 | 2.3 | 8.8 | 28.7 | 35.4 | 0.0 | 0.0 | 3.7 | 100.0 |
| Kitui | 30,504 | 5.2 | 1.2 | 18.7 | 1.2 | 0.9 | 4.9 | 49.4 | 10.7 | 0.0 | 4.6 | 3.4 | 100.0 |
| Machakos | 40,072 | 2.0 | 0.0 | 30.5 | 0.0 | 0.0 | 8.0 | 42.3 | 17.2 | 0.0 | 0.0 | 0.0 | 100.0 |
| Meru | 39,176 | 0.0 | 0.0 | 19.1 | 0.0 | 6.4 | 6.4 | 28.2 | 38.9 | 0.0 | 0.0 | 0.9 | 100.0 |
| Makueni | 24,176 | 1.8 | 4.8 | 25.9 | 4.8 | 6.4 | 11.2 | 15.2 | 27.8 | 0.0 | 2.0 | 0.0 | 100.0 |
| Tharaka Nithi | 28,540 | 20.3 | 0.0 | 9.2 | 0.0 | 15.6 | 14.6 | 20.7 | 19.6 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyambene | 49,315 | 0.0 | 0.0 | 4.7 | 0.0 | 2.8 | 9.1 | 39.4 | 41.3 | 0.0 | 1.3 | 1.5 | 100.0 |
| Nyanza Rural | 216,098 | 3.9 | 0.6 | 17.1 | 0.6 | 2.9 | 4.5 | 43.6 | 23.0 | 0.2 | 1.3 | 2.4 | 100.0 |
| Kisii | 36,920 | 0.0 | 0.0 | 19.8 | 0.0 | 2.6 | 1.2 | 36.0 | 32.5 | 0.6 | 3.8 | 3.5 | 100.0 |
| Kisumu | 26,635 | 0.9 | 1.2 | 26.6 | 1.2 | 1.2 | 12.5 | 27.0 | 27.0 | 1.0 | 0.0 | 1.3 | 100.0 |
| Siaya | 39,340 | 0.0 | 0.0 | 9.6 | 0.0 | 7.3 | 4.1 | 70.1 | 2.4 | 0.0 | 3.4 | 3.1 | 100.0 |
| Homa Bay | 15,073 | 0.0 | 0.0 | 25.8 | 0.0 | 9.8 | 8.9 | 25.6 | 29.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Migori | 53,827 | 0.0 | 1.6 | 10.6 | 1.6 | 0.0 | 0.4 | 71.8 | 9.6 | 0.0 | 0.0 | 4.3 | 100.0 |
| Nyamira | 44,303 | 18.3 | 0.0 | 20.5 | 0.0 | 1.3 | 6.2 | 8.4 | 45.3 | 0.0 | 0.0 | 0.0 | 100.0 |
| Rift Valley Rural | 428,469 | 1.6 | 0.0 | 25.4 | 0.0 | 3.8 | 9.9 | 40.3 | 17.0 | 0.1 | 1.0 | 0.8 | 100.0 |
| Kajiado | 36,726 | 1.5 | 0.0 | 18.0 | 0.0 | 6.3 | 9.8 | 52.5 | 10.7 | 0.0 | 0.0 | 1.2 | 100.0 |
| Kericho | 45,003 | 0.0 | 0.0 | 23.6 | 0.0 | 1.2 | 10.6 | 34.7 | 29.1 | 0.0 | 0.9 | 0.0 | 100.0 |
| Laikipia | 32,036 | 0.0 | 0.0 | 11.8 | 0.0 | 3.2 | 4.3 | 72.5 | 4.9 | 0.0 | 2.5 | 0.9 | 100.0 |
| Nakuru | 88,929 | 0.2 | 0.0 | 39.1 | 0.0 | 5.2 | 15.6 | 29.6 | 9.4 | 0.0 | 0.0 | 0.9 | 100.0 |
| Nandi | 23,654 | 0.0 | 0.0 | 21.7 | 0.0 | 2.8 | 10.1 | 61.0 | 2.8 | 0.0 | 0.0 | 1.6 | 100.0 |
| Narok | 21,444 | 0.0 | 0.0 | 26.7 | 0.0 | 0.0 | 13.7 | 57.4 | 2.2 | 0.0 | 0.0 | 0.0 | 100.0 |
| Bomet | 27,569 | 7.4 | 0.0 | 38.8 | 0.0 | 6.6 | 0.0 | 17.7 | 29.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Transmara | 12,607 | 4.5 | 0.0 | 23.2 | 0.0 | 4.0 | 10.9 | 24.9 | 24.4 | 0.0 | 8.1 | 0.0 | 100.0 |
| Baringo | 40,922 | 0.0 | 0.0 | 27.5 | 0.0 | 2.2 | 4.7 | 40.8 | 23.3 | 0.0 | 0.0 | 1.5 | 100.0 |
| Elgeyo-Marakwet | 23,411 | 0.0 | 0.8 | 19.3 | 0.8 | 0.7 | 3.8 | 50.6 | 19.0 | 2.3 | 1.0 | 1.8 | 100.0 |
| Trans Nzoia | 29,403 | 5.1 | 0.0 | 20.3 | 0.0 | 1.6 | 10.2 | 14.4 | 45.8 | 0.0 | 1.5 | 1.1 | 100.0 |
| Uasin Gishu | 35,717 | 5.3 | 0.0 | 10.9 | 0.0 | 9.5 | 16.1 | 41.4 | 16.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| West Pokot | 11,049 | 0.0 | 0.0 | 28.2 | 0.0 | 0.0 | 5.9 | 52.3 | 2.8 | 0.0 | 10.8 | 0.0 | 100.0 |
| Western Rural | 161,413 | 11.4 | 1.1 | 20.5 | 1.1 | 4.0 | 10.7 | 31.5 | 14.2 | 0.0 | 3.5 | 2.1 | 100.0 |
| Bungoma | 51,464 | 4.6 | 1.4 | 18.5 | 1.4 | 4.5 | 10.3 | 50.9 | 6.1 | 0.0 | 1.4 | 0.8 | 100.0 |
| Busia | 23,848 | 11.2 | 4.3 | 19.5 | 4.3 | 1.4 | 5.1 | 26.0 | 25.5 | 0.0 | 0.0 | 2.5 | 100.0 |
| Kakamega | 60,370 | 14.5 | 0.0 | 28.4 | 0.0 | 0.0 | 17.7 | 25.9 | 11.5 | 0.0 | 0.7 | 1.4 | 100.0 |
| Vihiga | 25,731 | 18.1 | 0.0 | 6.6 | 0.0 | 14.7 | 0.0 | 10.6 | 26.3 | 0.0 | 17.5 | 6.2 | 100.0 |
| Total Rural | 1,527,165 | 3.4 | 0.6 | 21.2 | 0.6 | 4.0 | 9.6 | 39.9 | 17.9 | 0.1 | 1.5 | 1.2 | 100.0 |
| Total Urban | 464,260 | 1.5 | 2.6 | 51.5 | 2.6 | 5.5 | 8.4 | 24.9 | 1.0 | 0.5 | 1.4 | 0.0 | 100.0 |
| Nairobi | 218,317 | 0.9 | 4.0 | 52.5 | 4.0 | 4.6 | 7.8 | 23.8 | 0.6 | 0.4 | 1.5 | 0.0 | 100.0 |
| Mombasa | 80,458 | 0.7 | 1.4 | 49.6 | 1.4 | 5.5 | 12.7 | 25.9 | 0.0 | 0.0 | 2.7 | 0.0 | 100.0 |
| Kisumu | 15,108 | 0.0 | 0.0 | 51.2 | 0.0 | 12.4 | 7.4 | 28.9 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nakuru | 33,199 | 3.0 | 0.0 | 48.2 | 0.0 | 8.7 | 7.7 | 30.7 | 0.0 | 1.7 | 0.0 | 0.0 | 100.0 |
| Other urban | 117,178 | 2.8 | 2.0 | 52.1 | 2.0 | 5.4 | 7.1 | 23.9 | 2.8 | 0.9 | 0.9 | 0.0 | 100.0 |
| Nation | 1,991,426 | 2.9 | 1.1 | 28.3 | 1.1 | 4.4 | 9.3 | 36.4 | 14.0 | 0.2 | 1.5 | 0.9 | 100.0 |

Annex 6.8d Employment status of Non-poor Female heads of households (%)

| | N | Unemploy ed | Employer | Regular Employee skilled | Regular Employee unskilled | Casual Employee skilled | Casual Employee unskilled | Own account worker | Unpaid family worker | Student/ apprentice | Pensioner/ investor | Sick/ handicapped | Total |
|-------------------|---------|----------------|----------|--------------------------------|----------------------------------|-------------------------------|---------------------------------|--------------------------|----------------------------|------------------------|------------------------|----------------------|-------|
| Central Rural | 184,418 | 0.6 | 1.0 | 4.9 | 1.0 | 1.0 | 5.7 | 58.0 | 26.7 | 0.2 | 0.2 | 0.8 | 100.0 |
| Kiambu | 37,384 | 0.6 | 3.1 | 5.6 | 3.1 | 5.0 | 13.8 | 17.6 | 50.3 | 1.0 | 0.0 | 0.0 | 100.0 |
| Kirinyaga | 24,012 | 0.0 | 1.6 | 2.9 | 1.6 | 0.0 | 7.6 | 62.9 | 22.0 | 0.0 | 1.3 | 0.0 | 100.0 |
| Muranga | 58,332 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 2.1 | 69.4 | 26.1 | 0.0 | 0.0 | 0.7 | 100.0 |
| Nyandarua | 18,913 | 0.0 | 0.0 | 8.4 | 0.0 | 0.0 | 0.0 | 84.0 | 7.6 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyeri | 45,777 | 2.2 | 0.6 | 7.8 | 0.6 | 0.0 | 4.9 | 63.1 | 18.5 | 0.0 | 0.0 | 2.4 | 100.0 |
| Coast Rural | 25,899 | 2.5 | 0.0 | 11.4 | 0.0 | 1.1 | 4.1 | 40.8 | 36.9 | 0.0 | 0.0 | 3.2 | 100.0 |
| Kilifi | 4,362 | 0.0 | 0.0 | 37.2 | 0.0 | 0.0 | 6.9 | 37.4 | 18.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kwale | 10,099 | 4.9 | 0.0 | 4.9 | 0.0 | 0.0 | 3.6 | 55.4 | 26.4 | 0.0 | 0.0 | 4.9 | 100.0 |
| Lamu | 1,332 | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 | 18.9 | 59.2 | 5.2 | 0.0 | 0.0 | 11.5 | 100.0 |
| Taita Taveta | 8,599 | 0.0 | 0.0 | 6.1 | 0.0 | 3.5 | 0.0 | 21.4 | 66.9 | 0.0 | 0.0 | 2.1 | 100.0 |
| Tana River | 1,508 | 9.6 | 0.0 | 16.8 | 0.0 | 0.0 | 9.6 | 47.4 | 16.6 | 0.0 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 84,729 | 11.5 | 0.0 | 8.1 | 0.0 | 0.5 | 2.1 | 20.1 | 55.5 | 0.0 | 0.0 | 2.2 | 100.0 |
| Mbeere | 5,791 | 0.0 | 0.0 | 8.7 | 0.0 | 0.0 | 0.0 | 72.2 | 19.2 | 0.0 | 0.0 | 0.0 | 100.0 |
| Embu | 3,151 | 7.6 | 0.0 | 27.4 | 0.0 | 0.0 | 0.0 | 37.6 | 27.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kitui | 15,195 | 7.5 | 0.0 | 10.0 | 0.0 | 2.9 | 1.5 | 35.7 | 42.3 | 0.0 | 0.0 | 0.0 | 100.0 |
| Machakos | 17,223 | 17.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 19.3 | 60.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Meru | 5,620 | 0.0 | 0.0 | 9.6 | 0.0 | 0.0 | 18.1 | 0.0 | 72.2 | 0.0 | 0.0 | 0.0 | 100.0 |
| Makueni | 15,595 | 0.0 | 0.0 | 22.3 | 0.0 | 0.0 | 0.0 | 3.0 | 69.6 | 0.0 | 0.0 | 5.0 | 100.0 |
| Tharaka Nithi | 7,309 | 74.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.7 | 12.2 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyambene | 14,845 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.4 | 83.4 | 0.0 | 0.0 | 7.2 | 100.0 |
| Nyanza Rural | 159,890 | 4.7 | 0.0 | 2.8 | 0.0 | 0.2 | 4.0 | 50.4 | 35.7 | 0.0 | 0.2 | 2.0 | 100.0 |
| Kisii | 22,303 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 41.5 | 56.7 | 0.0 | 0.0 | 1.0 | 100.0 |
| Kisumu | 18,048 | 3.0 | 0.0 | 7.7 | 0.0 | 0.0 | 5.1 | 39.1 | 41.4 | 0.0 | 1.8 | 1.9 | 100.0 |
| Siaya | 51,503 | 0.0 | 0.0 | 0.9 | 0.0 | 0.7 | 2.3 | 77.3 | 16.3 | 0.0 | 0.0 | 2.5 | 100.0 |
| Homa Bay | 16,352 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | 2.6 | 36.5 | 52.1 | 0.0 | 0.0 | 4.0 | 100.0 |
| Migori | 28,722 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.8 | 64.4 | 22.4 | 0.0 | 0.0 | 2.5 | 100.0 |
| Nyamira | 22,961 | 27.9 | 0.0 | 8.0 | 0.0 | 0.0 | 4.9 | 0.0 | 59.1 | 0.0 | 0.0 | 0.0 | 100.0 |
| Rift Valley Rural | 129,155 | 3.8 | 0.4 | 6.5 | 0.4 | 0.0 | 4.9 | 45.3 | 36.4 | 0.0 | 0.0 | 2.3 | 100.0 |
| Kajiado | 4,582 | 0.0 | 0.0 | 9.0 | 0.0 | 0.0 | 4.5 | 34.0 | 48.0 | 0.0 | 0.0 | 4.5 | 100.0 |
| Kericho | 14,070 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 61.9 | 38.1 | 0.0 | 0.0 | 0.0 | 100.0 |
| Laikipia | 11,687 | 0.0 | 0.0 | 5.4 | 0.0 | 0.0 | 5.9 | 49.9 | 28.0 | 0.0 | 0.0 | 10.9 | 100.0 |
| Nakuru | 31,750 | 0.0 | 0.0 | 8.6 | 0.0 | 0.0 | 12.1 | 42.3 | 37.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nandi | 9,805 | 0.0 | 0.0 | 14.0 | 0.0 | 0.0 | 0.0 | 79.7 | 0.0 | 0.0 | 0.0 | 6.3 | 100.0 |
| Narok | 3,840 | 0.0 | 12.3 | 9.6 | 12.3 | 0.0 | 0.0 | 65.7 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Bomet | 8,391 | 31.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.3 | 36.3 | 0.0 | 0.0 | 0.0 | 100.0 |
| Transmara | 7,684 | 7.3 | 0.0 | 17.9 | 0.0 | 0.0 | 0.0 | 17.2 | 57.6 | 0.0 | 0.0 | 0.0 | 100.0 |
| Baringo | 10,054 | 3.8 | 0.0 | 2.6 | 0.0 | 0.0 | 5.0 | 52.4 | 36.3 | 0.0 | 0.0 | 0.0 | 100.0 |
| Elgeyo-Marakwet | 6,521 | 0.0 | 0.0 | 10.4 | 0.0 | 0.0 | 0.0 | 30.0 | 56.7 | 0.0 | 0.0 | 2.8 | 100.0 |
| Trans Nzoia | 7,921 | 0.0 | 0.0 | 4.1 | 0.0 | 0.0 | 2.9 | 9.8 | 83.2 | 0.0 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 6,404 | 19.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.3 | 26.9 | 0.0 | 0.0 | 11.0 | 100.0 |
| West Pokot | 6,444 | 0.0 | 0.0 | 4.6 | 0.0 | 0.0 | 14.3 | 61.5 | 19.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Western Rural | 104,266 | 16.2 | 0.2 | 10.1 | 0.2 | 0.0 | 7.7 | 30.5 | 32.8 | 0.0 | 0.0 | 2.2 | 100.0 |
| Bungoma | 19,675 | 2.2 | 0.0 | 16.2 | 0.0 | 0.0 | 2.9 | 50.1 | 28.6 | 0.0 | 0.0 | 0.0 | 100.0 |
| Busia | 12,856 | 3.1 | 1.9 | 11.7 | 1.9 | 0.0 | 4.5 | 42.0 | 34.9 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kakamega | 45,107 | 32.0 | 0.0 | 9.7 | 0.0 | 0.0 | 5.3 | 21.1 | 31.9 | 0.0 | 0.0 | 0.0 | 100.0 |
| Vihiga | 26,628 | 6.0 | 0.0 | 5.6 | 0.0 | 0.0 | 16.9 | 26.4 | 36.4 | 0.0 | 0.0 | 8.7 | 100.0 |
| Total Rural | 688,358 | 5.9 | 0.4 | 6.1 | 0.4 | 0.4 | 5.0 | 44.4 | 35.4 | 0.1 | 0.1 | 1.8 | 100.0 |
| Total Urban | 100,304 | 3.5 | 3.1 | 23.6 | 3.1 | 1.6 | 13.2 | 37.4 | 11.9 | 0.0 | 0.0 | 2.5 | 100.0 |
| Nairobi | 27,358 | 0.0 | 6.1 | 15.1 | 6.1 | 3.2 | 19.4 | 30.8 | 14.6 | 0.0 | 0.0 | 4.8 | 100.0 |
| Mombasa | 14,208 | 14.1 | 0.0 | 6.5 | 0.0 | 0.0 | 4.7 | 51.2 | 18.8 | 0.0 | 0.0 | 4.7 | 100.0 |
| Kisumu | 5,152 | 6.6 | 0.0 | 23.4 | 0.0 | 0.0 | 0.0 | 51.5 | 18.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nakuru | 9,241 | 0.0 | 0.0 | 31.1 | 0.0 | 2.9 | 11.5 | 48.9 | 0.0 | 0.0 | 0.0 | 5.6 | 100.0 |
| Other urban | 44,345 | 2.7 | 3.3 | 32.8 | 3.3 | 1.1 | 14.0 | 33.1 | 9.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nation | 788,662 | 5.6 | 0.7 | 8.4 | 0.7 | 0.6 | 6.0 | 43.5 | 32.4 | 0.0 | 0.1 | 1.9 | 100.0 |

Annexe Table 7.1 Food and Non-food share in total expenditure

| Region | Poor | | | | | | Non-Poor | | | | | |
|--------------------------|---------|----------|---------|---------------|--------------------|-------------|----------|----------|----------|---------------|--------------------|-------------|
| | Food | Non-food | Total | Food share(%) | Non-food share (%) | Mean Hhsize | Food | Non-food | Total | Food share(%) | Non-food share (%) | Mean Hhsize |
| Central Rural | 3,149.7 | 703.5 | 3,853.3 | 81.7 | 18.3 | 5.3 | 6,190.9 | 3,283.8 | 9,474.8 | 65.3 | 34.7 | 4.0 |
| Kiambu | 3,677.9 | 988.2 | 4,666.1 | 78.8 | 21.2 | 5.9 | 6,646.4 | 4,897.5 | 11,543.9 | 57.6 | 42.4 | 4.3 |
| Kirinyaga | 2,799.1 | 722.5 | 3,521.5 | 79.5 | 20.5 | 4.9 | 5,934.9 | 2,207.8 | 8,142.7 | 72.9 | 27.1 | 3.9 |
| Muranga | 3,161.3 | 647.6 | 3,808.8 | 83.0 | 17.0 | 5.3 | 6,173.9 | 2,321.5 | 8,495.3 | 72.7 | 27.3 | 4.0 |
| Nyandarua | 3,061.9 | 576.7 | 3,638.5 | 84.2 | 15.8 | 5.3 | 6,432.0 | 2,897.4 | 9,329.5 | 68.9 | 31.1 | 4.1 |
| Nyeri | 2,837.8 | 521.7 | 3,359.5 | 84.5 | 15.5 | 4.8 | 5,555.4 | 2,782.7 | 8,338.1 | 66.6 | 33.4 | 3.4 |
| Coast Rural | 3,263.5 | 663.9 | 3,927.4 | 83.1 | 16.9 | 6.4 | 5,654.0 | 2,568.0 | 8,222.0 | 68.8 | 31.2 | 4.2 |
| Kilifi | 3,651.2 | 723.9 | 4,375.1 | 83.5 | 16.5 | 7.1 | 5,331.2 | 3,076.4 | 8,407.7 | 63.4 | 36.6 | 4.2 |
| Kwale | 2,967.7 | 564.3 | 3,531.9 | 84.0 | 16.0 | 6.1 | 5,295.0 | 2,007.1 | 7,302.1 | 72.5 | 27.5 | 4.2 |
| Lamu | 4,309.1 | 967.4 | 5,276.5 | 81.7 | 18.3 | 7.1 | 6,638.5 | 2,222.6 | 8,861.1 | 74.9 | 25.1 | 4.5 |
| Taita Taveta | 2,658.4 | 579.2 | 3,237.5 | 82.1 | 17.9 | 5.1 | 5,255.2 | 2,732.6 | 7,987.8 | 65.8 | 34.2 | 3.9 |
| Tana River | 4,062.6 | 1,518.4 | 5,581.0 | 72.8 | 27.2 | 7.2 | 11,243.6 | 1,943.5 | 13,187.1 | 85.3 | 14.7 | 5.9 |
| Eastern Rural | 3,097.5 | 613.3 | 3,710.8 | 83.5 | 16.5 | 6.0 | 6,590.2 | 2,397.5 | 8,987.8 | 73.3 | 26.7 | 4.9 |
| Mbeere | 2,454.2 | 549.3 | 3,003.5 | 81.7 | 18.3 | 4.8 | 5,273.6 | 2,044.1 | 7,317.7 | 72.1 | 27.9 | 3.9 |
| Embu | 2,528.9 | 533.4 | 3,062.4 | 82.6 | 17.4 | 5.1 | 6,143.8 | 2,583.4 | 8,727.3 | 70.4 | 29.6 | 4.6 |
| Kitui | 2,944.2 | 591.9 | 3,536.1 | 83.3 | 16.7 | 6.1 | 5,875.8 | 2,321.8 | 8,197.6 | 71.7 | 28.3 | 5.1 |
| Machakos | 3,293.8 | 656.2 | 3,950.0 | 83.4 | 16.6 | 6.3 | 6,329.2 | 3,566.1 | 9,895.3 | 64.0 | 36.0 | 5.2 |
| Meru | 2,924.8 | 819.6 | 3,744.4 | 78.1 | 21.9 | 5.1 | 6,736.3 | 2,618.0 | 9,354.4 | 72.0 | 28.0 | 4.4 |
| Makueni | 2,883.5 | 626.1 | 3,509.6 | 82.2 | 17.8 | 6.3 | 5,977.3 | 2,356.7 | 8,334.0 | 71.7 | 28.3 | 4.1 |
| Tharaka Nithi | 2,861.5 | 727.7 | 3,589.2 | 79.7 | 20.3 | 5.3 | 6,697.2 | 1,529.6 | 8,226.8 | 81.4 | 18.6 | 3.8 |
| Nyambene | 3,943.6 | 438.4 | 4,382.0 | 90.0 | 10.0 | 6.5 | 8,120.2 | 1,823.4 | 9,943.6 | 81.7 | 18.3 | 6.3 |
| Nyanza Rural | 2,790.0 | 549.4 | 3,339.4 | 83.5 | 16.5 | 5.3 | 5,221.0 | 1,864.8 | 7,085.8 | 73.7 | 26.3 | 4.1 |
| Kisii | 3,249.8 | 513.3 | 3,763.1 | 86.4 | 13.6 | 6.2 | 6,684.9 | 1,643.2 | 8,328.2 | 80.3 | 19.7 | 5.2 |
| Kisumu | 2,363.1 | 429.9 | 2,793.0 | 84.6 | 15.4 | 4.7 | 5,135.3 | 1,810.7 | 6,946.1 | 73.9 | 26.1 | 4.0 |
| Siaya | 2,410.5 | 437.3 | 2,847.8 | 84.6 | 15.4 | 4.3 | 4,339.6 | 1,257.5 | 5,597.1 | 77.5 | 22.5 | 3.1 |
| Homa Bay | 2,607.8 | 451.6 | 3,059.4 | 85.2 | 14.8 | 4.7 | 4,385.6 | 1,908.4 | 6,294.0 | 69.7 | 30.3 | 3.6 |
| Migori | 3,683.4 | 794.6 | 4,478.0 | 82.3 | 17.7 | 6.6 | 5,643.1 | 2,259.5 | 7,902.6 | 71.4 | 28.6 | 4.6 |
| Nyamira | 2,637.1 | 642.9 | 3,280.0 | 80.4 | 19.6 | 5.5 | 5,100.9 | 2,377.2 | 7,478.1 | 68.2 | 31.8 | 4.1 |
| Rift Valley Rural | 2,921.6 | 646.9 | 3,568.5 | 81.9 | 18.1 | 5.5 | 5,969.9 | 2,576.5 | 8,546.4 | 69.9 | 30.1 | 4.3 |
| Kajiado | 2,839.5 | 612.0 | 3,451.5 | 82.3 | 17.7 | 5.6 | 8,499.7 | 3,022.2 | 11,522.0 | 73.8 | 26.2 | 4.6 |
| Kericho | 2,727.7 | 605.2 | 3,332.9 | 81.8 | 18.2 | 5.1 | 4,993.6 | 1,696.6 | 6,690.2 | 74.6 | 25.4 | 4.3 |
| Laikipia | 3,864.6 | 809.9 | 4,674.5 | 82.7 | 17.3 | 6.2 | 5,812.6 | 1,680.4 | 7,493.0 | 77.6 | 22.4 | 4.0 |
| Nakuru | 2,667.0 | 585.3 | 3,252.3 | 82.0 | 18.0 | 4.8 | 4,644.7 | 2,295.2 | 6,939.9 | 66.9 | 33.1 | 3.4 |
| Nandi | 2,958.2 | 684.1 | 3,642.3 | 81.2 | 18.8 | 5.6 | 5,573.6 | 2,326.1 | 7,899.6 | 70.6 | 29.4 | 4.4 |
| Narok | 3,207.5 | 665.5 | 3,873.0 | 82.8 | 17.2 | 6.3 | 5,972.1 | 2,864.4 | 8,836.6 | 67.6 | 32.4 | 4.6 |
| Bomet | 2,915.8 | 582.7 | 3,498.5 | 83.3 | 16.7 | 6.1 | 7,501.5 | 3,204.1 | 10,705.7 | 70.1 | 29.9 | 5.2 |
| Transmara | 2,842.7 | 590.4 | 3,433.1 | 82.8 | 17.2 | 5.6 | 6,687.4 | 3,813.4 | 10,500.8 | 63.7 | 36.3 | 4.9 |
| Baringo | 3,048.8 | 687.3 | 3,736.0 | 81.6 | 18.4 | 5.6 | 6,648.2 | 3,059.2 | 9,707.4 | 68.5 | 31.5 | 4.5 |
| Elgeyo-Marakwet | 3,498.8 | 850.0 | 4,348.8 | 80.5 | 19.5 | 5.8 | 5,818.2 | 2,554.7 | 8,372.9 | 69.5 | 30.5 | 4.6 |
| Trans Nzoia | 2,787.0 | 597.0 | 3,384.0 | 82.4 | 17.6 | 5.2 | 6,165.4 | 2,844.7 | 9,010.1 | 68.4 | 31.6 | 4.8 |
| Uasin Gishu | 3,731.7 | 1,007.3 | 4,739.0 | 78.7 | 21.3 | 6.7 | 7,433.1 | 3,277.3 | 10,710.5 | 69.4 | 30.6 | 5.6 |
| West Pokot | 2,317.0 | 478.3 | 2,795.3 | 82.9 | 17.1 | 5.3 | 5,062.0 | 2,809.0 | 7,871.0 | 64.3 | 35.7 | 4.4 |
| Western Rural | 2,758.9 | 590.1 | 3,349.0 | 82.4 | 17.6 | 5.5 | 5,403.9 | 2,037.9 | 7,441.8 | 72.6 | 27.4 | 4.4 |
| Bungoma | 3,400.5 | 793.0 | 4,193.6 | 81.1 | 18.9 | 6.7 | 6,083.4 | 2,598.4 | 8,681.8 | 70.1 | 29.9 | 5.2 |
| Busia | 2,417.3 | 448.1 | 2,865.5 | 84.4 | 15.6 | 5.1 | 5,030.0 | 1,954.4 | 6,984.4 | 72.0 | 28.0 | 4.0 |
| Kakamega | 2,575.1 | 579.7 | 3,154.8 | 81.6 | 18.4 | 5.3 | 4,901.4 | 1,911.5 | 6,812.9 | 71.9 | 28.1 | 3.9 |
| Vihiga | 2,704.4 | 527.5 | 3,231.9 | 83.7 | 16.3 | 5.1 | 5,816.9 | 1,601.8 | 7,418.6 | 78.4 | 21.6 | 4.4 |
| Total Rural | 2,944.5 | 615.0 | 3,559.4 | 82.7 | 17.3 | 5.6 | 5,910.7 | 2,558.2 | 8,468.9 | 69.8 | 30.2 | 4.3 |
| Total Urban | 4,026.0 | 2,216.0 | 6,242.0 | 64.5 | 35.5 | 4.1 | 7,352.5 | 10,099.7 | 17,452.2 | 42.1 | 57.9 | 3.1 |
| Nairobi | 4,098.7 | 2,573.0 | 6,671.7 | 61.4 | 38.6 | 4.1 | 8,046.1 | 14,692.7 | 22,738.8 | 35.4 | 64.6 | 3.4 |
| Mombasa | 4,065.9 | 1,661.7 | 5,727.7 | 71.0 | 29.0 | 4.1 | 7,901.3 | 7,867.2 | 15,768.5 | 50.1 | 49.9 | 3.1 |
| Kisumu | 3,820.9 | 2,397.3 | 6,218.2 | 61.4 | 38.6 | 4.4 | 6,186.0 | 6,631.1 | 12,817.1 | 48.3 | 51.7 | 3.4 |
| Nakuru | 4,408.2 | 2,563.1 | 6,971.3 | 63.2 | 36.8 | 4.3 | 6,188.6 | 6,492.5 | 12,681.1 | 48.8 | 51.2 | 3.1 |
| Other urban | 3,861.9 | 1,721.8 | 5,583.7 | 69.2 | 30.8 | 4.0 | 6,481.3 | 6,020.6 | 12,501.9 | 51.8 | 48.2 | 2.7 |
| Nation | 3,152.4 | 922.8 | 4,075.2 | 77.4 | 22.6 | 5.3 | 6,216.3 | 4,157.0 | 10,373.3 | 59.9 | 40.1 | 4.0 |

Annex 7.1A: Expenditure of the Poor on food items (Ksh)

| Region | Bread | Maize | cereals | meat | Fish | Milk | Eggs | Oils & fats | Fruits | Vegetable | Beans | Roots | Sugar | Tea & coffee | Beverages | Baby food | Other food | Total food |
|--------------------------|--------------|----------------|--------------|--------------|--------------|--------------|-------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|--------------|----------------|
| Central Rural | 103.6 | 837.8 | 170.1 | 180.5 | 4.2 | 295.2 | 24.5 | 178.5 | 52.9 | 423.3 | 304.3 | 160.9 | 219.0 | 87.2 | 38.3 | 0.9 | 68.7 | 3,149.7 |
| Kiambu | 157.6 | 1,001.4 | 183.1 | 223.2 | 3.7 | 395.8 | 40.5 | 244.3 | 93.8 | 526.5 | 166.6 | 153.0 | 270.9 | 112.7 | 49.8 | 0.0 | 54.7 | 3,677.9 |
| Kirinyaga | 59.1 | 711.0 | 281.5 | 132.9 | 17.2 | 155.2 | 13.1 | 129.2 | 16.2 | 435.2 | 339.4 | 72.3 | 129.5 | 52.0 | 125.4 | 0.0 | 129.9 | 2,799.1 |
| Muranga | 70.0 | 799.3 | 159.9 | 201.6 | 2.3 | 302.3 | 21.3 | 190.8 | 63.2 | 459.7 | 396.7 | 84.0 | 225.9 | 106.5 | 7.1 | 0.0 | 70.4 | 3,161.3 |
| Nyandarua | 258.2 | 742.2 | 86.8 | 215.1 | 0.0 | 305.9 | 53.4 | 154.3 | 46.1 | 275.1 | 83.7 | 385.8 | 295.9 | 75.3 | 16.3 | 0.0 | 67.7 | 3,061.9 |
| Nyeri | 63.5 | 858.5 | 126.8 | 116.0 | 0.0 | 269.8 | 7.2 | 131.3 | 19.5 | 302.3 | 374.5 | 267.1 | 180.8 | 57.0 | 23.1 | 4.6 | 35.9 | 2,837.8 |
| Coast Rural | 189.7 | 1,480.6 | 95.4 | 198.6 | 111.3 | 86.8 | 6.9 | 171.2 | 15.7 | 256.3 | 186.9 | 68.2 | 221.9 | 46.4 | 79.0 | 0.0 | 48.6 | 3,263.5 |
| Kilifi | 200.3 | 2,129.6 | 31.9 | 189.2 | 78.9 | 27.6 | 1.6 | 156.3 | 8.4 | 234.5 | 129.2 | 67.7 | 177.1 | 32.1 | 156.9 | 0.0 | 29.9 | 3,651.2 |
| Kwale | 254.8 | 1,121.1 | 160.4 | 252.1 | 172.2 | 46.8 | 7.6 | 178.2 | 11.8 | 185.3 | 211.1 | 46.3 | 225.5 | 48.1 | 13.4 | 0.0 | 33.0 | 2,967.7 |
| Lamu | 123.5 | 1,034.9 | 331.7 | 114.8 | 450.5 | 166.9 | 73.5 | 548.3 | 24.8 | 118.0 | 127.5 | 156.7 | 615.9 | 82.1 | 19.6 | 0.0 | 320.3 | 4,309.1 |
| Taita Taveta | 64.5 | 724.5 | 68.2 | 131.8 | 20.8 | 268.1 | 8.9 | 127.5 | 34.5 | 434.5 | 290.3 | 76.5 | 243.6 | 65.0 | 23.4 | 0.0 | 76.4 | 2,658.4 |
| Tana River | 222.2 | 682.3 | 481.9 | 334.6 | 314.7 | 188.2 | 3.6 | 338.4 | 50.5 | 350.1 | 139.3 | 271.5 | 461.1 | 122.3 | 16.6 | 0.0 | 85.1 | 4,062.6 |
| Eastern Rural | 71.2 | 1,039.8 | 143.1 | 146.7 | 1.6 | 188.3 | 17.3 | 123.1 | 78.1 | 328.9 | 522.0 | 128.8 | 154.1 | 59.7 | 37.3 | 0.1 | 57.4 | 3,097.5 |
| Mbeere | 23.8 | 826.8 | 188.0 | 171.3 | 2.2 | 93.2 | 7.8 | 93.3 | 2.0 | 203.9 | 464.4 | 59.1 | 194.3 | 51.6 | 46.2 | 0.0 | 26.2 | 2,454.2 |
| Embu | 80.4 | 427.4 | 132.2 | 116.1 | 0.0 | 224.2 | 11.9 | 81.4 | 36.4 | 527.6 | 388.5 | 111.3 | 198.3 | 61.7 | 105.3 | 0.0 | 26.3 | 2,528.9 |
| Kitui | 90.8 | 1,060.1 | 208.9 | 111.2 | 0.3 | 143.5 | 15.4 | 101.4 | 74.1 | 207.9 | 591.7 | 42.8 | 167.0 | 45.0 | 41.8 | 0.0 | 42.2 | 2,944.2 |
| Machakos | 76.3 | 1,499.2 | 71.5 | 126.0 | 6.0 | 174.8 | 8.3 | 154.4 | 118.1 | 354.4 | 321.2 | 55.5 | 153.8 | 56.7 | 46.8 | 0.0 | 70.8 | 3,293.8 |
| Meru | 49.5 | 539.6 | 196.8 | 220.8 | 0.0 | 248.3 | 21.9 | 146.5 | 60.1 | 354.8 | 387.3 | 469.7 | 111.5 | 61.5 | 3.8 | 0.0 | 52.8 | 2,924.8 |
| Makueni | 72.1 | 1,160.6 | 66.9 | 85.6 | 0.0 | 167.2 | 11.9 | 124.7 | 112.8 | 299.6 | 448.7 | 93.4 | 142.3 | 49.0 | 12.0 | 0.4 | 36.2 | 2,883.5 |
| Tharaka Nithi | 52.3 | 613.2 | 249.0 | 248.4 | 1.8 | 212.6 | 30.9 | 128.4 | 56.0 | 283.6 | 515.1 | 172.4 | 182.5 | 65.3 | 15.1 | 0.0 | 35.0 | 2,861.5 |
| Nyambene | 66.3 | 925.2 | 165.6 | 221.1 | 0.0 | 273.6 | 36.4 | 113.0 | 34.8 | 477.7 | 980.5 | 250.6 | 126.3 | 97.9 | 50.6 | 0.0 | 124.0 | 3,943.6 |
| Nyanza Rural | 53.4 | 524.4 | 278.8 | 284.6 | 181.6 | 172.8 | 26.9 | 176.0 | 45.9 | 448.0 | 146.5 | 169.7 | 179.2 | 37.7 | 26.5 | 0.0 | 38.1 | 2,790.0 |
| Kisii | 46.1 | 899.5 | 188.5 | 253.4 | 31.3 | 270.3 | 28.3 | 162.8 | 74.9 | 736.3 | 145.2 | 109.7 | 162.7 | 47.9 | 57.8 | 0.0 | 35.1 | 3,249.8 |
| Kisumu | 68.2 | 407.2 | 146.7 | 228.8 | 279.9 | 143.7 | 6.7 | 156.0 | 28.2 | 403.6 | 79.1 | 114.5 | 220.4 | 30.8 | 24.0 | 0.0 | 25.3 | 2,363.1 |
| Siaya | 73.3 | 426.3 | 270.4 | 243.2 | 173.5 | 79.3 | 18.7 | 119.2 | 25.4 | 342.5 | 178.3 | 147.2 | 198.2 | 37.0 | 22.4 | 0.0 | 55.7 | 2,410.5 |
| Homa Bay | 34.3 | 247.4 | 532.4 | 332.9 | 300.8 | 177.3 | 9.5 | 246.0 | 26.5 | 240.2 | 47.0 | 159.3 | 147.0 | 39.1 | 30.4 | 0.0 | 37.7 | 2,607.8 |
| Migori | 91.3 | 818.5 | 336.2 | 328.7 | 357.6 | 109.7 | 45.9 | 206.9 | 52.9 | 391.8 | 181.5 | 498.3 | 176.4 | 39.9 | 9.2 | 0.0 | 38.6 | 3,683.4 |
| Nyamira | 20.3 | 462.4 | 203.8 | 307.8 | 10.9 | 249.5 | 45.1 | 172.0 | 66.1 | 579.7 | 211.7 | 46.3 | 171.8 | 34.1 | 21.9 | 0.0 | 33.5 | 2,637.1 |
| Rift Valley Rural | 93.9 | 766.0 | 131.0 | 236.0 | 19.7 | 396.3 | 34.2 | 136.8 | 19.0 | 332.1 | 241.4 | 88.0 | 228.0 | 76.5 | 77.6 | 0.2 | 44.9 | 2,921.6 |
| Kajiado | 77.1 | 675.7 | 74.8 | 189.9 | 0.0 | 416.6 | 15.4 | 170.2 | 33.2 | 179.9 | 271.8 | 279.1 | 245.1 | 79.2 | 81.4 | 0.0 | 49.5 | 2,839.5 |
| Kericho | 78.6 | 503.7 | 146.3 | 301.7 | 10.0 | 551.9 | 61.6 | 111.0 | 22.1 | 269.4 | 197.9 | 15.2 | 254.3 | 79.3 | 79.2 | 0.0 | 45.4 | 2,727.7 |
| Laikipia | 186.4 | 1,202.5 | 129.3 | 98.1 | 0.0 | 210.6 | 37.2 | 218.3 | 54.7 | 543.5 | 518.4 | 177.0 | 253.3 | 125.5 | 50.9 | 0.0 | 58.8 | 3,864.6 |
| Nakuru | 92.8 | 874.6 | 99.6 | 178.2 | 4.2 | 225.5 | 21.9 | 130.6 | 18.0 | 302.3 | 246.2 | 166.9 | 167.5 | 65.9 | 39.0 | 0.0 | 34.0 | 2,667.0 |
| Nandi | 117.2 | 701.2 | 92.9 | 197.6 | 46.1 | 426.9 | 29.7 | 125.7 | 18.0 | 418.6 | 201.5 | 80.1 | 265.5 | 66.8 | 119.2 | 0.0 | 51.2 | 2,958.2 |
| Narok | 73.2 | 1,529.4 | 81.3 | 232.0 | 0.0 | 304.3 | 15.5 | 159.6 | 11.4 | 180.5 | 198.1 | 165.5 | 121.1 | 78.9 | 14.2 | 0.0 | 42.6 | 3,207.5 |
| Bomet | 103.9 | 332.1 | 281.4 | 310.5 | 53.8 | 556.7 | 24.5 | 155.1 | 2.8 | 355.2 | 206.7 | 76.0 | 318.1 | 108.5 | 2.9 | 1.5 | 26.1 | 2,915.8 |
| Transmara | 31.3 | 668.2 | 12.7 | 189.6 | 0.0 | 757.4 | 26.3 | 129.5 | 2.1 | 328.0 | 295.0 | 18.2 | 201.4 | 83.7 | 61.7 | 0.0 | 37.5 | 2,842.7 |
| Baringo | 28.0 | 985.4 | 186.9 | 392.9 | 1.7 | 292.1 | 41.0 | 164.2 | 37.5 | 183.1 | 268.7 | 41.2 | 177.6 | 40.9 | 123.5 | 0.0 | 83.9 | 3,048.8 |
| Elgeyo-Marakwet | 100.1 | 850.8 | 239.3 | 397.9 | 8.9 | 296.1 | 60.1 | 172.3 | 15.2 | 337.0 | 355.8 | 125.1 | 212.1 | 84.9 | 190.5 | 0.0 | 52.9 | 3,498.8 |
| Trans Nzoia | 118.7 | 834.7 | 59.7 | 174.7 | 41.1 | 271.7 | 21.0 | 124.8 | 24.3 | 460.9 | 172.4 | 63.8 | 215.2 | 62.2 | 110.6 | 0.0 | 31.1 | 2,787.0 |
| Uasin Gishu | 176.2 | 1,047.3 | 75.0 | 214.2 | 21.2 | 541.2 | 81.6 | 139.5 | 40.7 | 511.3 | 265.0 | 56.0 | 295.4 | 106.5 | 104.9 | 0.0 | 55.7 | 3,731.7 |
| West Pokot | 26.5 | 708.4 | 173.5 | 193.3 | 2.1 | 240.2 | 18.8 | 96.9 | 4.2 | 163.0 | 280.6 | 5.9 | 180.0 | 42.0 | 113.4 | 0.0 | 68.3 | 2,317.0 |
| Western Rural | 75.0 | 602.4 | 100.2 | 261.8 | 114.7 | 194.3 | 18.5 | 117.0 | 38.6 | 485.0 | 126.1 | 254.8 | 125.4 | 56.5 | 46.1 | 2.6 | 40.1 | 2,758.9 |
| Bungoma | 108.1 | 713.7 | 129.9 | 262.9 | 96.7 | 198.7 | 28.2 | 118.7 | 12.9 | 628.3 | 234.9 | 380.8 | 244.6 | 56.8 | 115.9 | 0.0 | 69.6 | 3,400.5 |
| Busia | 31.0 | 519.7 | 212.2 | 225.4 | 178.5 | 38.1 | 12.8 | 107.6 | 35.2 | 351.4 | 95.2 | 404.4 | 121.5 | 15.0 | 23.3 | 0.0 | 46.1 | 2,417.3 |
| Kakamega | 83.1 | 366.7 | 80.1 | 320.7 | 74.9 | 241.8 | 15.5 | 144.6 | 48.0 | 497.5 | 122.5 | 188.7 | 240.2 | 71.4 | 35.6 | 7.1 | 36.7 | 2,575.1 |
| Vihiga | 65.5 | 911.6 | 20.2 | 200.6 | 142.6 | 235.4 | 18.4 | 81.7 | 50.7 | 435.9 | 55.9 | 128.4 | 263.2 | 65.1 | 15.4 | 0.0 | 14.0 | 2,704.4 |
| Total Rural | 84.2 | 788.4 | 166.9 | 226.7 | 75.3 | 239.6 | 24.0 | 147.6 | 43.2 | 388.1 | 256.1 | 147.8 | 200.2 | 59.8 | 48.5 | 0.5 | 47.6 | 2,944.5 |
| Total Urban | 371.8 | 574.4 | 231.2 | 407.2 | 96.6 | 313.1 | 71.1 | 271.6 | 82.5 | 621.2 | 257.0 | 140.3 | 226.8 | 78.4 | 138.7 | 3.8 | 140.3 | 4,026.0 |
| Nairobi | 385.8 | 618.1 | 232.1 | 396.7 | 80.4 | 338.7 | 76.1 | 277.3 | 91.2 | 675.3 | 227.0 | 131.5 | 207.2 | 81.4 | 142.7 | 0.0 | 137.1 | 4,098.7 |
| Mombasa | 472.0 | 767.8 | 239.8 | 259.9 | 161.0 | 177.0 | 69.4 | 266.0 | 42.6 | 384.6 | 461.6 | 180.4 | 252.1 | 61.5 | 153.2 | 4.8 | 112.3 | 4,065.9 |
| Kisumu | 361.7 | 282.4 | 219.9 | 428.4 | 241.2 | 202.6 | 82.8 | 304.9 | 81.1 | 641.2 | 195.8 | 88.5 | 281.3 | 47.5 | 232.5 | 10.8 | 118.3 | 3,820.9 |
| Nakuru | 381.4 | 743.6 | 224.7 | 488.0 | 64.9 | 368.1 | 79.8 | 247.9 | 97.6 | 737.8 | 206.2 | 129.6 | 212.0 | 90.9 | 63.6 | 20.7 | 251.5 | 4,408.2 |
| Other urban | 310.8 | 461.2 | 230.1 | 460.3 | 73.2 | 335.7 | 59.1 | 261.5 | 80.4 | 593.2 | 253.4 | 153.6 | 240.7 | 84.2 | 120.0 | 4.9 | 139.7 | 3,861.9 |
| Nation | 139.5 | 747.2 | 179.2 | 261.4 | 79.4 | 253.7 | 33.0 | 171.5 | 50.7 | 432.9 | 256.3 | 146.3 | 205.3 | 63.4 | 65.8 | 1.2 | 65.4 | 3,152.4 |

Annex 7.2b: Expenditure shares of food items in Poor households (%)

| | Bread | Maize | cereals | meat | Fish | Milk | Eggs | Oils & fats | Fruits | Vegetable | Beans | Roots | Sugar | Tea & coffee | Beverages | Baby food | Other food | Total food |
|--------------------------|-------|-------|---------|------|------|------|------|-------------|--------|-----------|-------|-------|-------|--------------|-----------|-----------|------------|------------|
| Central Rural | 3.3 | 26.6 | 5.4 | 5.7 | 0.1 | 9.4 | 0.8 | 5.7 | 1.7 | 13.4 | 9.7 | 5.1 | 7.0 | 2.8 | 1.2 | 0.0 | 2.2 | 100.0 |
| Kiambu | 4.3 | 27.2 | 5.0 | 6.1 | 0.1 | 10.8 | 1.1 | 6.6 | 2.6 | 14.3 | 4.5 | 4.2 | 7.4 | 3.1 | 1.4 | 0.0 | 1.5 | 100.0 |
| Kirinyaga | 2.1 | 25.4 | 10.1 | 4.7 | 0.6 | 5.5 | 0.5 | 4.6 | 0.6 | 15.5 | 12.1 | 2.6 | 4.6 | 1.9 | 4.5 | 0.0 | 4.6 | 100.0 |
| Muranga | 2.2 | 25.3 | 5.1 | 6.4 | 0.1 | 9.6 | 0.7 | 6.0 | 2.0 | 14.5 | 12.5 | 2.7 | 7.1 | 3.4 | 0.2 | 0.0 | 2.2 | 100.0 |
| Nyandarua | 8.4 | 24.2 | 2.8 | 7.0 | 0.0 | 10.0 | 1.7 | 5.0 | 1.5 | 9.0 | 2.7 | 12.6 | 9.7 | 2.5 | 0.5 | 0.0 | 2.2 | 100.0 |
| Nyeri | 2.2 | 30.3 | 4.5 | 4.1 | 0.0 | 9.5 | 0.3 | 4.6 | 0.7 | 10.7 | 13.2 | 9.4 | 6.4 | 2.0 | 0.8 | 0.2 | 1.3 | 100.0 |
| Coast Rural | 5.8 | 45.4 | 2.9 | 6.1 | 3.4 | 2.7 | 0.2 | 5.2 | 0.5 | 7.9 | 5.7 | 2.1 | 6.8 | 1.4 | 2.4 | 0.0 | 1.5 | 100.0 |
| Kilifi | 5.5 | 58.3 | 0.9 | 5.2 | 2.2 | 0.8 | 0.0 | 4.3 | 0.2 | 6.4 | 3.5 | 1.9 | 4.9 | 0.9 | 4.3 | 0.0 | 0.8 | 100.0 |
| Kwale | 8.6 | 37.8 | 5.4 | 8.5 | 5.8 | 1.6 | 0.3 | 6.0 | 0.4 | 6.2 | 7.1 | 1.6 | 7.6 | 1.6 | 0.5 | 0.0 | 1.1 | 100.0 |
| Lamu | 2.9 | 24.0 | 7.7 | 2.7 | 10.5 | 3.9 | 1.7 | 12.7 | 0.6 | 2.7 | 3.0 | 3.6 | 14.3 | 1.9 | 0.5 | 0.0 | 7.4 | 100.0 |
| Taita Taveta | 2.4 | 27.3 | 2.6 | 5.0 | 0.8 | 10.1 | 0.3 | 4.8 | 1.3 | 16.3 | 10.9 | 2.9 | 9.2 | 2.4 | 0.9 | 0.0 | 2.9 | 100.0 |
| Tana River | 5.5 | 16.8 | 11.9 | 8.2 | 7.7 | 4.6 | 0.1 | 8.3 | 1.2 | 8.6 | 3.4 | 6.7 | 11.4 | 3.0 | 0.4 | 0.0 | 2.1 | 100.0 |
| Eastern Rural | 2.3 | 33.6 | 4.6 | 4.7 | 0.1 | 6.1 | 0.6 | 4.0 | 2.5 | 10.6 | 16.9 | 4.2 | 5.0 | 1.9 | 1.2 | 0.0 | 1.9 | 100.0 |
| Mbeere | 1.0 | 33.7 | 7.7 | 7.0 | 0.1 | 3.8 | 0.3 | 3.8 | 0.1 | 8.3 | 18.9 | 2.4 | 7.9 | 2.1 | 1.9 | 0.0 | 1.1 | 100.0 |
| Embu | 3.2 | 16.9 | 5.2 | 4.6 | 0.0 | 8.9 | 0.5 | 3.2 | 1.4 | 20.9 | 15.4 | 4.4 | 7.8 | 2.4 | 4.2 | 0.0 | 1.0 | 100.0 |
| Kitui | 3.1 | 36.0 | 7.1 | 3.8 | 0.0 | 4.9 | 0.5 | 3.4 | 2.5 | 7.1 | 20.1 | 1.5 | 5.7 | 1.5 | 1.4 | 0.0 | 1.4 | 100.0 |
| Machakos | 2.3 | 45.5 | 2.2 | 3.8 | 0.2 | 5.3 | 0.3 | 4.7 | 3.6 | 10.8 | 9.8 | 1.7 | 4.7 | 1.7 | 1.4 | 0.0 | 2.1 | 100.0 |
| Meru | 1.7 | 18.4 | 6.7 | 7.6 | 0.0 | 8.5 | 0.7 | 5.0 | 2.1 | 12.1 | 13.2 | 16.1 | 3.8 | 2.1 | 0.1 | 0.0 | 1.8 | 100.0 |
| Makueni | 2.5 | 40.3 | 2.3 | 3.0 | 0.0 | 5.8 | 0.4 | 4.3 | 3.9 | 10.4 | 15.6 | 3.2 | 4.9 | 1.7 | 0.4 | 0.0 | 1.3 | 100.0 |
| Tharaka Nithi | 1.8 | 21.4 | 8.7 | 8.7 | 0.1 | 7.4 | 1.1 | 4.5 | 2.9 | 9.9 | 18.0 | 6.0 | 6.4 | 2.3 | 0.5 | 0.0 | 1.2 | 100.0 |
| Nyambene | 1.7 | 23.5 | 4.2 | 5.6 | 0.0 | 6.9 | 0.9 | 2.9 | 0.9 | 12.1 | 24.9 | 6.4 | 3.2 | 2.5 | 1.3 | 0.0 | 3.1 | 100.0 |
| Nyanza Rural | 1.9 | 18.8 | 10.0 | 10.2 | 6.5 | 6.2 | 1.0 | 6.3 | 1.6 | 16.1 | 5.3 | 6.1 | 6.4 | 1.3 | 0.9 | 0.0 | 1.4 | 100.0 |
| Kisii | 1.4 | 27.7 | 5.8 | 7.8 | 1.0 | 8.3 | 0.9 | 5.0 | 2.3 | 22.7 | 4.5 | 3.4 | 5.0 | 1.5 | 1.8 | 0.0 | 1.1 | 100.0 |
| Kisumu | 2.9 | 17.2 | 6.2 | 9.7 | 11.8 | 6.1 | 0.3 | 6.6 | 1.2 | 17.1 | 3.3 | 4.8 | 9.3 | 1.3 | 1.0 | 0.0 | 1.1 | 100.0 |
| Siaya | 3.0 | 17.7 | 11.2 | 10.1 | 7.2 | 3.3 | 0.8 | 4.9 | 1.1 | 14.2 | 7.4 | 6.1 | 8.2 | 1.5 | 0.9 | 0.0 | 2.3 | 100.0 |
| Homa Bay | 1.3 | 9.5 | 20.4 | 12.8 | 11.5 | 6.8 | 0.4 | 9.4 | 1.0 | 9.2 | 1.8 | 6.1 | 5.6 | 1.5 | 1.2 | 0.0 | 1.4 | 100.0 |
| Migori | 2.5 | 22.2 | 9.1 | 8.9 | 9.7 | 3.0 | 1.2 | 5.6 | 1.4 | 10.6 | 4.9 | 13.5 | 4.8 | 1.1 | 0.2 | 0.0 | 1.0 | 100.0 |
| Nyamira | 0.8 | 17.5 | 7.7 | 11.7 | 0.4 | 9.5 | 1.7 | 6.5 | 2.5 | 22.0 | 8.0 | 1.8 | 6.5 | 1.3 | 0.8 | 0.0 | 1.3 | 100.0 |
| Rift Valley Rural | 3.2 | 26.2 | 4.5 | 8.1 | 0.7 | 13.6 | 1.2 | 4.7 | 0.7 | 11.4 | 8.3 | 3.0 | 7.8 | 2.6 | 2.7 | 0.0 | 1.5 | 100.0 |
| Kajiado | 2.7 | 23.8 | 2.6 | 6.7 | 0.0 | 14.7 | 0.5 | 6.0 | 1.2 | 6.3 | 9.6 | 9.8 | 8.7 | 2.8 | 2.9 | 0.0 | 1.7 | 100.0 |
| Kericho | 2.9 | 18.5 | 5.4 | 11.1 | 0.4 | 20.2 | 2.3 | 4.1 | 0.8 | 9.9 | 7.3 | 0.6 | 9.3 | 2.9 | 2.9 | 0.0 | 1.7 | 100.0 |
| Laikipia | 4.8 | 31.1 | 3.3 | 2.5 | 0.0 | 5.4 | 1.0 | 5.6 | 1.4 | 14.1 | 13.4 | 4.6 | 6.6 | 3.2 | 1.3 | 0.0 | 1.5 | 100.0 |
| Nakuru | 3.5 | 32.8 | 3.7 | 6.7 | 0.2 | 8.5 | 0.8 | 4.9 | 0.7 | 11.3 | 9.2 | 6.3 | 6.3 | 2.5 | 1.5 | 0.0 | 1.3 | 100.0 |
| Nandi | 4.0 | 23.7 | 3.1 | 6.7 | 1.6 | 14.4 | 1.0 | 4.2 | 0.6 | 14.2 | 6.8 | 2.7 | 9.0 | 2.3 | 4.0 | 0.0 | 1.7 | 100.0 |
| Narok | 2.3 | 47.7 | 2.5 | 7.2 | 0.0 | 9.5 | 0.5 | 5.0 | 0.4 | 5.6 | 6.2 | 5.2 | 3.8 | 2.5 | 0.4 | 0.0 | 1.3 | 100.0 |
| Bomet | 3.6 | 11.4 | 9.6 | 10.6 | 1.8 | 19.1 | 0.8 | 5.3 | 0.1 | 12.2 | 7.1 | 2.6 | 10.9 | 3.7 | 0.1 | 0.1 | 0.9 | 100.0 |
| Transmara | 1.1 | 23.5 | 0.4 | 6.7 | 0.0 | 26.6 | 0.9 | 4.6 | 0.1 | 11.5 | 10.4 | 0.6 | 7.1 | 2.9 | 2.2 | 0.0 | 1.3 | 100.0 |
| Baringo | 0.9 | 32.3 | 6.1 | 12.9 | 0.1 | 9.6 | 1.3 | 5.4 | 1.2 | 6.0 | 8.8 | 1.4 | 5.8 | 1.3 | 4.1 | 0.0 | 2.8 | 100.0 |
| Elgeyo-Marakwet | 2.9 | 24.3 | 6.8 | 11.4 | 0.3 | 8.5 | 1.7 | 4.9 | 0.4 | 9.6 | 10.2 | 3.6 | 6.1 | 2.4 | 5.4 | 0.0 | 1.5 | 100.0 |
| Trans Nzoia | 4.3 | 29.9 | 2.1 | 6.3 | 1.5 | 9.7 | 0.8 | 4.5 | 0.9 | 16.5 | 6.2 | 2.3 | 7.7 | 2.2 | 4.0 | 0.0 | 1.1 | 100.0 |
| Uasin Gishu | 4.7 | 28.1 | 2.0 | 5.7 | 0.6 | 14.5 | 2.2 | 3.7 | 1.1 | 13.7 | 7.1 | 1.5 | 7.9 | 2.9 | 2.8 | 0.0 | 1.5 | 100.0 |
| West Pokot | 1.1 | 30.6 | 7.5 | 8.3 | 0.1 | 10.4 | 0.8 | 4.2 | 0.2 | 7.0 | 12.1 | 0.3 | 7.8 | 1.8 | 4.9 | 0.0 | 2.9 | 100.0 |
| Western Rural | 2.7 | 21.8 | 3.6 | 9.5 | 4.2 | 7.0 | 0.7 | 4.2 | 1.4 | 17.6 | 4.6 | 9.2 | 8.2 | 2.0 | 1.7 | 0.1 | 1.5 | 100.0 |
| Bungoma | 3.2 | 21.0 | 3.8 | 7.7 | 2.8 | 5.8 | 0.8 | 3.5 | 0.4 | 18.5 | 6.9 | 11.2 | 7.2 | 1.7 | 3.4 | 0.0 | 2.0 | 100.0 |
| Busia | 1.3 | 21.5 | 8.8 | 9.3 | 7.4 | 1.6 | 0.5 | 4.5 | 1.5 | 14.5 | 3.9 | 16.7 | 5.0 | 0.6 | 1.0 | 0.0 | 1.9 | 100.0 |
| Kakamega | 3.2 | 14.2 | 3.1 | 12.5 | 2.9 | 9.4 | 0.6 | 5.6 | 1.9 | 19.3 | 4.8 | 7.3 | 9.3 | 2.8 | 1.4 | 0.3 | 1.4 | 100.0 |
| Vihiga | 2.4 | 33.7 | 0.7 | 7.4 | 5.3 | 8.7 | 0.7 | 3.0 | 1.9 | 16.1 | 2.1 | 4.7 | 9.7 | 2.4 | 0.6 | 0.0 | 0.5 | 100.0 |
| Total Rural | 2.9 | 26.8 | 5.7 | 7.7 | 2.6 | 8.1 | 0.8 | 5.0 | 1.5 | 13.2 | 8.7 | 5.0 | 6.8 | 2.0 | 1.6 | 0.0 | 1.6 | 100.0 |
| Total Urban | 9.2 | 14.3 | 5.7 | 10.1 | 2.4 | 7.8 | 1.8 | 6.7 | 2.0 | 15.4 | 6.4 | 3.5 | 5.6 | 1.9 | 3.4 | 0.1 | 3.5 | 100.0 |
| Nairobi | 9.4 | 15.1 | 5.7 | 9.7 | 2.0 | 8.3 | 1.9 | 6.8 | 2.2 | 16.5 | 5.5 | 3.2 | 5.1 | 2.0 | 3.5 | 0.0 | 3.3 | 100.0 |
| Mombasa | 11.6 | 18.9 | 5.9 | 6.4 | 4.0 | 4.4 | 1.7 | 6.5 | 1.0 | 9.5 | 11.4 | 4.4 | 6.2 | 1.5 | 3.8 | 0.1 | 2.8 | 100.0 |
| Kisumu | 9.5 | 7.4 | 5.8 | 11.2 | 6.3 | 5.3 | 2.2 | 8.0 | 2.1 | 16.8 | 5.1 | 2.3 | 7.4 | 1.2 | 6.1 | 0.3 | 3.1 | 100.0 |
| Nakuru | 8.7 | 16.9 | 5.1 | 11.1 | 1.5 | 8.3 | 1.8 | 5.6 | 2.2 | 16.7 | 4.7 | 2.9 | 4.8 | 2.1 | 1.4 | 0.5 | 5.7 | 100.0 |
| Other urban | 8.0 | 11.9 | 6.0 | 11.9 | 1.9 | 8.7 | 1.5 | 6.8 | 2.1 | 15.4 | 6.6 | 4.0 | 6.2 | 2.2 | 3.1 | 0.1 | 3.6 | 100.0 |
| Nation | 4.4 | 23.7 | 5.7 | 8.3 | 2.5 | 8.0 | 1.0 | 5.4 | 1.6 | 13.7 | 8.1 | 4.6 | 6.5 | 2.0 | 2.1 | 0.0 | 2.1 | 100.0 |

Annex 7.2c Expenditure of the Non-Poor on food items (Ksh)

| | Bread | Maize | cereals | meat | Fish | Milk | Eggs | Oils & fats | Fruits | Vegetable | Beans | Roots | Sugar | Tea & coffee | Beverages | Baby food | Other food | Total food |
|--------------------------|--------------|----------------|--------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|--------------|-------------|--------------|----------------|
| Central Rural | 325.7 | 1,095.4 | 317.3 | 551.1 | 7.4 | 520.1 | 90.5 | 307.7 | 133.9 | 716.7 | 754.4 | 634.9 | 294.0 | 167.2 | 126.1 | 2.8 | 145.7 | 6,190.9 |
| Kiambu | 464.2 | 1,160.4 | 322.4 | 763.8 | 11.5 | 540.2 | 113.3 | 388.2 | 186.1 | 775.4 | 489.3 | 565.0 | 332.2 | 226.7 | 126.2 | 4.9 | 176.7 | 6,646.4 |
| Kirinyaga | 209.6 | 1,074.5 | 404.6 | 411.0 | 12.5 | 409.1 | 53.5 | 273.7 | 108.9 | 848.8 | 1,077.4 | 317.3 | 242.4 | 86.2 | 246.6 | 0.0 | 158.7 | 5,934.9 |
| Muranga | 229.2 | 1,120.7 | 337.4 | 421.1 | 1.5 | 619.9 | 75.0 | 271.8 | 136.6 | 827.5 | 995.4 | 545.9 | 262.0 | 170.8 | 72.0 | 1.6 | 85.5 | 6,173.9 |
| Nyandarua | 381.7 | 1,174.5 | 230.6 | 642.3 | 8.4 | 596.5 | 106.2 | 293.2 | 90.0 | 459.4 | 546.9 | 1,210.9 | 314.2 | 160.7 | 72.1 | 0.0 | 144.6 | 6,432.0 |
| Nyeri | 267.5 | 942.0 | 281.7 | 416.7 | 4.8 | 398.2 | 87.2 | 255.7 | 89.1 | 557.3 | 795.5 | 729.2 | 292.4 | 122.8 | 148.9 | 3.9 | 162.6 | 5,555.4 |
| Coast Rural | 493.2 | 1,191.5 | 320.6 | 727.7 | 229.9 | 250.0 | 55.1 | 472.3 | 49.0 | 425.0 | 568.3 | 148.3 | 346.6 | 89.9 | 126.0 | 11.4 | 149.1 | 5,654.0 |
| Kilifi | 513.0 | 1,346.6 | 202.3 | 482.7 | 240.2 | 134.4 | 42.5 | 561.8 | 44.7 | 430.5 | 519.3 | 160.0 | 257.2 | 53.7 | 186.9 | 22.0 | 133.3 | 5,331.2 |
| Kwale | 586.9 | 1,037.9 | 340.3 | 726.7 | 301.7 | 176.8 | 69.7 | 376.6 | 30.6 | 385.8 | 512.2 | 128.6 | 325.4 | 120.6 | 68.0 | 0.0 | 107.1 | 5,295.0 |
| Lamu | 328.0 | 857.6 | 483.8 | 741.3 | 294.0 | 377.3 | 164.8 | 652.8 | 124.2 | 467.8 | 955.0 | 232.1 | 465.8 | 97.9 | 83.7 | 18.5 | 293.9 | 6,638.5 |
| Taita Taveta | 263.0 | 1,171.2 | 238.7 | 643.1 | 12.7 | 376.1 | 18.0 | 300.9 | 67.8 | 547.2 | 643.4 | 132.6 | 344.3 | 109.1 | 135.8 | 6.4 | 244.9 | 5,255.2 |
| Tana River | 608.8 | 1,470.9 | 1,322.6 | 3,375.6 | 188.0 | 1,314.4 | 8.1 | 668.5 | 47.9 | 201.3 | 595.7 | 99.8 | 1,190.8 | 130.6 | 15.5 | 0.0 | 72.9 | 11,243.6 |
| Eastern Rural | 215.0 | 1,485.6 | 403.5 | 618.2 | 8.1 | 363.5 | 49.1 | 214.2 | 120.9 | 562.1 | 1,161.0 | 568.6 | 250.8 | 110.2 | 304.3 | 1.3 | 153.7 | 6,590.2 |
| Mbeere | 167.1 | 1,401.8 | 253.1 | 516.3 | 33.1 | 243.0 | 15.7 | 260.5 | 39.0 | 402.9 | 1,227.8 | 142.1 | 263.6 | 64.3 | 236.9 | 0.0 | 66.3 | 5,273.6 |
| Embu | 165.1 | 1,006.0 | 332.3 | 531.2 | 1.0 | 631.1 | 47.8 | 210.8 | 135.1 | 715.7 | 1,140.1 | 579.3 | 376.7 | 124.0 | 66.2 | 0.0 | 81.4 | 6,143.8 |
| Kitui | 212.9 | 1,508.1 | 422.9 | 383.6 | 0.0 | 335.4 | 40.6 | 188.0 | 92.9 | 281.4 | 1,786.5 | 72.9 | 221.6 | 74.9 | 96.6 | 8.9 | 148.5 | 5,875.8 |
| Machakos | 253.6 | 1,594.9 | 170.8 | 492.5 | 3.4 | 292.5 | 28.7 | 212.9 | 204.2 | 671.8 | 1,032.2 | 138.0 | 235.0 | 79.1 | 678.3 | 0.0 | 241.3 | 6,329.2 |
| Meru | 227.5 | 926.3 | 357.6 | 688.5 | 0.0 | 498.6 | 53.6 | 296.1 | 133.6 | 629.5 | 782.7 | 1,524.5 | 248.3 | 148.3 | 89.9 | 0.0 | 131.3 | 6,736.3 |
| Makueni | 294.6 | 1,347.6 | 394.7 | 773.6 | 4.5 | 322.1 | 39.2 | 238.6 | 176.1 | 475.3 | 1,037.9 | 108.1 | 222.9 | 104.8 | 249.1 | 0.0 | 188.4 | 5,977.3 |
| Tharaka Nithi | 124.2 | 1,055.8 | 930.6 | 654.6 | 45.1 | 308.4 | 74.5 | 239.1 | 126.3 | 683.1 | 1,148.0 | 618.4 | 358.2 | 117.0 | 155.1 | 0.0 | 58.9 | 6,697.2 |
| Nyamene | 204.2 | 2,251.5 | 407.8 | 800.9 | 0.0 | 372.5 | 73.7 | 153.3 | 44.0 | 624.5 | 1,134.0 | 1,038.0 | 207.6 | 148.2 | 485.4 | 0.0 | 174.6 | 8,120.2 |
| Nyanza Rural | 171.0 | 894.2 | 423.7 | 636.0 | 276.6 | 294.8 | 74.1 | 367.3 | 121.8 | 736.4 | 404.5 | 284.7 | 277.4 | 72.9 | 100.4 | 2.4 | 82.9 | 5,221.0 |
| Kisii | 183.3 | 1,368.4 | 455.6 | 727.5 | 126.3 | 425.0 | 171.5 | 357.2 | 178.9 | 1,260.0 | 490.4 | 248.2 | 304.6 | 95.1 | 198.8 | 3.1 | 91.3 | 6,684.9 |
| Kisumu | 245.8 | 727.5 | 331.6 | 786.5 | 334.6 | 276.6 | 44.8 | 516.7 | 151.5 | 637.3 | 304.2 | 216.3 | 350.5 | 59.5 | 94.8 | 1.6 | 55.3 | 5,135.3 |
| Siaya | 202.9 | 623.3 | 456.5 | 552.0 | 321.7 | 130.4 | 43.4 | 317.4 | 50.3 | 512.1 | 310.5 | 261.6 | 257.2 | 66.9 | 113.9 | 1.0 | 118.6 | 4,339.6 |
| Homa Bay | 175.5 | 529.0 | 817.0 | 601.1 | 462.1 | 155.5 | 23.3 | 335.7 | 62.5 | 323.4 | 219.2 | 166.8 | 277.3 | 110.1 | 36.9 | 0.0 | 90.4 | 4,385.6 |
| Migori | 106.9 | 1,171.4 | 409.2 | 680.2 | 443.1 | 133.8 | 64.4 | 471.8 | 159.9 | 655.9 | 399.6 | 540.5 | 254.0 | 46.4 | 47.1 | 0.0 | 59.0 | 5,643.1 |
| Nyamira | 142.7 | 811.4 | 263.9 | 539.9 | 43.8 | 640.4 | 85.4 | 243.2 | 130.4 | 924.1 | 599.3 | 157.0 | 260.8 | 84.1 | 94.0 | 8.4 | 72.2 | 5,100.9 |
| Rift Valley Rural | 271.8 | 1,132.3 | 313.7 | 859.2 | 26.6 | 701.7 | 93.9 | 263.1 | 71.1 | 582.0 | 594.4 | 263.0 | 344.0 | 126.1 | 179.1 | 3.0 | 144.7 | 5,969.9 |
| Kajiado | 339.5 | 1,426.7 | 283.0 | 1,455.4 | 0.0 | 1,495.9 | 46.2 | 394.4 | 65.3 | 414.1 | 875.3 | 224.5 | 471.9 | 173.1 | 519.5 | 2.6 | 312.6 | 8,499.7 |
| Kericho | 220.1 | 1,004.0 | 369.8 | 737.5 | 32.0 | 670.9 | 96.6 | 149.3 | 59.2 | 637.8 | 391.5 | 55.4 | 345.6 | 105.0 | 64.0 | 0.0 | 54.8 | 4,993.6 |
| Laikipia | 233.7 | 1,348.7 | 204.8 | 299.4 | 0.0 | 494.0 | 87.9 | 304.8 | 101.6 | 532.2 | 980.2 | 625.8 | 252.6 | 151.9 | 59.2 | 6.1 | 129.7 | 5,812.6 |
| Nakuru | 280.8 | 846.0 | 223.0 | 607.9 | 21.8 | 343.2 | 86.6 | 250.7 | 81.6 | 485.5 | 469.0 | 383.0 | 244.6 | 110.9 | 94.4 | 2.5 | 113.3 | 4,644.7 |
| Nandi | 291.8 | 1,044.6 | 282.2 | 688.9 | 78.2 | 749.2 | 78.2 | 212.1 | 65.2 | 625.3 | 474.3 | 192.5 | 313.0 | 116.9 | 228.1 | 0.8 | 132.5 | 5,573.6 |
| Narok | 176.6 | 1,534.2 | 223.6 | 1,151.6 | 0.0 | 352.8 | 68.2 | 350.4 | 41.5 | 386.3 | 394.5 | 328.5 | 428.1 | 157.3 | 199.6 | 0.0 | 178.8 | 5,972.1 |
| Bomet | 284.0 | 1,144.6 | 913.0 | 800.5 | 1.5 | 1,751.8 | 66.2 | 325.0 | 25.1 | 727.7 | 356.8 | 185.9 | 616.1 | 155.8 | 55.0 | 0.0 | 92.6 | 7,501.5 |
| Transmara | 109.4 | 1,449.9 | 223.1 | 841.3 | 0.0 | 1,051.5 | 91.4 | 374.9 | 82.7 | 813.1 | 543.4 | 238.0 | 338.8 | 178.4 | 299.9 | 0.0 | 51.7 | 6,687.4 |
| Baringo | 213.2 | 1,144.3 | 424.3 | 1,670.2 | 6.4 | 587.0 | 101.9 | 289.5 | 83.3 | 416.3 | 605.2 | 136.4 | 361.5 | 117.1 | 288.0 | 10.2 | 193.4 | 6,648.2 |
| Elgeyo-Marakwet | 183.5 | 1,078.2 | 306.8 | 989.5 | 9.9 | 421.4 | 100.1 | 225.0 | 35.9 | 555.5 | 825.6 | 403.7 | 301.0 | 95.4 | 166.3 | 2.2 | 118.3 | 5,818.2 |
| Trans Nzoia | 360.9 | 1,510.1 | 180.4 | 626.9 | 102.1 | 570.2 | 74.6 | 230.6 | 85.4 | 710.1 | 778.6 | 158.8 | 326.6 | 89.8 | 281.4 | 0.0 | 78.9 | 6,165.4 |
| Uasin Gishu | 513.3 | 1,148.5 | 300.2 | 830.7 | 64.8 | 878.8 | 219.2 | 245.5 | 103.7 | 1,046.8 | 785.4 | 198.8 | 409.0 | 157.6 | 196.9 | 10.3 | 323.7 | 7,433.1 |
| West Pokot | 88.0 | 976.6 | 176.3 | 1,362.7 | 3.1 | 560.2 | 106.7 | 181.8 | 30.2 | 336.5 | 527.9 | 53.0 | 281.0 | 69.7 | 159.3 | 0.0 | 148.9 | 5,062.0 |
| Western Rural | 214.5 | 958.3 | 225.3 | 673.3 | 159.2 | 344.0 | 62.3 | 233.6 | 100.1 | 819.3 | 524.8 | 418.4 | 309.2 | 97.7 | 154.8 | 3.1 | 106.0 | 5,403.9 |
| Bungoma | 225.5 | 1,166.4 | 242.0 | 684.9 | 117.0 | 429.5 | 59.2 | 208.8 | 91.5 | 844.8 | 789.9 | 483.8 | 322.3 | 80.1 | 191.7 | 4.9 | 141.1 | 6,083.4 |
| Busia | 243.6 | 953.3 | 577.2 | 549.6 | 306.8 | 138.0 | 45.0 | 241.3 | 66.7 | 529.6 | 227.5 | 700.5 | 249.9 | 43.9 | 60.0 | 13.5 | 83.6 | 5,030.0 |
| Kakamega | 232.5 | 678.6 | 190.2 | 709.3 | 104.4 | 313.9 | 82.6 | 261.9 | 110.9 | 728.9 | 511.8 | 319.1 | 287.7 | 111.1 | 151.5 | 0.0 | 107.1 | 4,901.4 |
| Vihiga | 140.6 | 1,281.6 | 36.7 | 664.6 | 234.0 | 433.6 | 34.7 | 201.2 | 111.3 | 1,178.9 | 394.1 | 349.9 | 378.5 | 129.6 | 176.6 | 0.0 | 71.1 | 5,816.9 |
| Total Rural | 266.7 | 1,116.6 | 335.6 | 678.5 | 86.2 | 473.3 | 77.7 | 292.9 | 105.3 | 659.1 | 676.3 | 419.9 | 302.8 | 120.7 | 164.3 | 3.1 | 131.9 | 5,910.7 |
| Total Urban | 591.1 | 634.5 | 382.4 | 1,017.2 | 149.5 | 535.0 | 170.9 | 462.4 | 237.6 | 914.1 | 479.2 | 295.8 | 273.1 | 170.0 | 566.1 | 47.1 | 426.6 | 7,352.5 |
| Nairobi | 607.8 | 668.8 | 365.6 | 1,104.9 | 163.4 | 586.4 | 180.2 | 456.9 | 293.8 | 972.2 | 450.0 | 301.1 | 273.8 | 194.8 | 758.5 | 62.6 | 605.4 | 8,046.1 |
| Mombasa | 730.2 | 673.0 | 443.1 | 1,152.4 | 200.2 | 545.5 | 187.2 | 663.0 | 258.2 | 874.1 | 619.7 | 298.4 | 294.2 | 140.1 | 490.9 | 89.1 | 242.0 | 7,901.3 |
| Kisumu | 529.9 | 517.1 | 305.3 | 756.2 | 232.4 | 538.1 | 208.6 | 376.5 | 166.2 | 979.2 | 399.1 | 164.8 | 282.8 | 77.0 | 260.6 | 11.3 | 380.9 | 6,186.0 |
| Nakuru | 527.6 | 643.7 | 306.6 | 939.9 | 109.9 | 535.3 | 164.0 | 389.2 | 187.2 | 868.6 | 313.3 | 240.8 | 252.5 | 121.7 | 303.6 | 2.8 | 282.1 | 6,188.6 |
| Other urban | 511.2 | 572.8 | 403.8 | 862.8 | 100.3 | 451.6 | 144.8 | 385.8 | 165.1 | 855.7 | 499.3 | 318.9 | 264.5 | 176.1 | 437.2 | 16.7 | 314.7 | 6,481.3 |
| Nation | 335.5 | 1,014.4 | 345.5 | 750.3 | 99.7 | 486.4 | 97.4 | 328.8 | 133.3 | 713.2 | 634.5 | 393.6 | 296.5 | 131.2 | 249.5 | 12.4 | 194.4 | 6,216.3 |

Annex 7.2d Expenditure shares of food items in Non-Poor households (%)

| | Bread | Maize | cereals | meat | Fish | Milk | Eggs | Oils & fats | Fruits | Vegetable | Beans | Roots | Sugar | Tea & coffee | Beverages | Baby food | Other food | Total food |
|--------------------------|------------|-------------|------------|-------------|------------|-------------|------------|----------------|------------|-------------|-------------|-------------|------------|-----------------|------------|--------------|---------------|---------------|
| Central Rural | 5.3 | 17.7 | 5.1 | 8.9 | 0.1 | 8.4 | 1.5 | 5.0 | 2.2 | 11.6 | 12.2 | 10.3 | 4.7 | 2.7 | 2.0 | 0.0 | 2.4 | 100.0 |
| Kiambu | 7.0 | 17.5 | 4.9 | 11.5 | 0.2 | 8.1 | 1.7 | 5.8 | 2.8 | 11.7 | 7.4 | 8.5 | 5.0 | 3.4 | 1.9 | 0.1 | 2.7 | 100.0 |
| Kirinyaga | 3.5 | 18.1 | 6.8 | 6.9 | 0.2 | 6.9 | 0.9 | 4.6 | 1.8 | 14.3 | 18.2 | 5.3 | 4.1 | 1.5 | 4.2 | 0.0 | 2.7 | 100.0 |
| Muranga | 3.7 | 18.2 | 5.5 | 6.8 | 0.0 | 10.0 | 1.2 | 4.4 | 2.2 | 13.4 | 16.1 | 8.8 | 4.2 | 2.8 | 1.2 | 0.0 | 1.4 | 100.0 |
| Nyandarua | 5.9 | 18.3 | 3.6 | 10.0 | 0.1 | 9.3 | 1.7 | 4.6 | 1.4 | 7.1 | 8.5 | 18.8 | 4.9 | 2.5 | 1.1 | 0.0 | 2.2 | 100.0 |
| Nyeri | 4.8 | 17.0 | 5.1 | 7.5 | 0.1 | 7.2 | 1.6 | 4.6 | 1.6 | 10.0 | 14.3 | 13.1 | 5.3 | 2.2 | 2.7 | 0.1 | 2.9 | 100.0 |
| Coast Rural | 8.7 | 21.1 | 5.7 | 12.9 | 4.1 | 4.4 | 1.0 | 8.4 | 0.9 | 7.5 | 10.1 | 2.6 | 6.1 | 1.6 | 2.2 | 0.2 | 2.6 | 100.0 |
| Kilifi | 9.6 | 25.3 | 3.8 | 9.1 | 4.5 | 2.5 | 0.8 | 10.5 | 0.8 | 8.1 | 9.7 | 3.0 | 4.8 | 1.0 | 3.5 | 0.4 | 2.5 | 100.0 |
| Kwale | 11.1 | 19.6 | 6.4 | 13.7 | 5.7 | 3.3 | 1.3 | 7.1 | 0.6 | 7.3 | 9.7 | 2.4 | 6.1 | 2.3 | 1.3 | 0.0 | 2.0 | 100.0 |
| Lamu | 4.9 | 12.9 | 7.3 | 11.2 | 4.4 | 5.7 | 2.5 | 9.8 | 1.9 | 7.0 | 14.4 | 3.5 | 7.0 | 1.5 | 1.3 | 0.3 | 4.4 | 100.0 |
| Taita Taveta | 5.0 | 22.3 | 4.5 | 12.2 | 0.2 | 7.2 | 0.3 | 5.7 | 1.3 | 10.4 | 12.2 | 2.5 | 6.6 | 2.1 | 2.6 | 0.1 | 4.7 | 100.0 |
| Tana River | 5.4 | 13.1 | 11.8 | 30.0 | 1.7 | 11.7 | 0.1 | 5.3 | 0.4 | 1.8 | 5.3 | 0.9 | 10.6 | 1.2 | 0.1 | 0.0 | 0.6 | 100.0 |
| Eastern Rural | 3.3 | 22.5 | 6.1 | 9.4 | 0.1 | 5.5 | 0.7 | 3.2 | 1.8 | 8.5 | 17.6 | 8.6 | 3.8 | 1.7 | 4.6 | 0.0 | 2.3 | 100.0 |
| Mbeere | 3.2 | 26.6 | 4.8 | 9.8 | 0.6 | 4.6 | 0.3 | 3.8 | 0.7 | 7.6 | 23.3 | 2.7 | 5.0 | 1.2 | 4.5 | 0.0 | 1.3 | 100.0 |
| Embu | 2.7 | 16.4 | 5.4 | 8.6 | 0.0 | 10.3 | 0.8 | 3.4 | 2.2 | 11.6 | 18.6 | 9.4 | 6.1 | 2.0 | 1.1 | 0.0 | 1.3 | 100.0 |
| Kitui | 3.6 | 25.7 | 7.2 | 6.5 | 0.0 | 5.7 | 0.7 | 3.2 | 1.6 | 4.8 | 30.4 | 1.2 | 3.8 | 1.3 | 1.6 | 0.2 | 2.5 | 100.0 |
| Machakos | 4.0 | 25.2 | 2.7 | 7.8 | 0.1 | 4.6 | 0.5 | 3.4 | 3.2 | 10.6 | 16.3 | 2.2 | 3.7 | 1.2 | 10.7 | 0.0 | 3.8 | 100.0 |
| Meru | 3.4 | 13.8 | 5.3 | 10.2 | 0.0 | 7.4 | 0.8 | 4.4 | 2.0 | 9.3 | 11.6 | 22.6 | 3.7 | 2.2 | 1.3 | 0.0 | 1.9 | 100.0 |
| Makueni | 4.9 | 22.5 | 6.6 | 12.9 | 0.1 | 5.4 | 0.7 | 4.0 | 2.9 | 8.0 | 17.4 | 1.8 | 3.7 | 1.8 | 4.2 | 0.0 | 3.2 | 100.0 |
| Tharaka Nithi | 1.9 | 15.8 | 13.9 | 9.8 | 0.7 | 4.6 | 1.1 | 3.6 | 1.9 | 10.2 | 17.1 | 9.2 | 5.3 | 1.7 | 2.3 | 0.0 | 0.9 | 100.0 |
| Nyambene | 2.5 | 27.7 | 5.0 | 9.9 | 0.0 | 4.6 | 0.9 | 1.9 | 0.5 | 7.7 | 14.0 | 12.8 | 2.6 | 1.8 | 6.0 | 0.0 | 2.2 | 100.0 |
| Nyanza Rural | 3.3 | 17.1 | 8.1 | 12.2 | 5.3 | 5.6 | 1.4 | 7.0 | 2.3 | 14.1 | 7.7 | 5.5 | 5.3 | 1.4 | 1.9 | 0.0 | 1.6 | 100.0 |
| Kisii | 2.7 | 20.5 | 6.8 | 10.9 | 1.9 | 6.4 | 2.6 | 5.3 | 2.7 | 18.8 | 7.3 | 3.7 | 4.6 | 1.4 | 3.0 | 0.0 | 1.4 | 100.0 |
| Kisumu | 4.8 | 14.2 | 6.5 | 15.3 | 6.5 | 5.4 | 0.9 | 10.1 | 2.9 | 12.4 | 5.9 | 4.2 | 6.8 | 1.2 | 1.8 | 0.0 | 1.1 | 100.0 |
| Uasin Gishu | 4.7 | 14.4 | 10.5 | 12.7 | 7.4 | 3.0 | 1.0 | 7.3 | 1.2 | 11.8 | 7.2 | 6.0 | 5.9 | 1.5 | 2.6 | 0.0 | 2.7 | 100.0 |
| Homa Bay | 4.0 | 12.1 | 18.6 | 13.7 | 10.5 | 3.5 | 0.5 | 7.7 | 1.4 | 7.4 | 5.0 | 3.8 | 6.3 | 2.5 | 0.8 | 0.0 | 2.1 | 100.0 |
| Migori | 1.9 | 20.8 | 7.3 | 12.1 | 7.9 | 2.4 | 1.1 | 8.4 | 2.8 | 11.6 | 7.1 | 9.6 | 4.5 | 0.8 | 0.8 | 0.0 | 1.0 | 100.0 |
| Nyeri | 2.8 | 15.9 | 5.2 | 10.6 | 0.9 | 12.6 | 1.7 | 4.8 | 2.6 | 18.1 | 11.7 | 3.1 | 5.1 | 1.6 | 1.8 | 0.2 | 1.4 | 100.0 |
| Rift Valley Rural | 4.6 | 19.0 | 5.3 | 14.4 | 0.4 | 11.8 | 1.6 | 4.4 | 1.2 | 9.7 | 10.0 | 4.4 | 5.8 | 2.1 | 3.0 | 0.1 | 2.4 | 100.0 |
| Kajiado | 4.0 | 16.8 | 3.3 | 17.1 | 0.0 | 17.6 | 0.5 | 4.6 | 0.8 | 4.9 | 10.3 | 2.6 | 5.6 | 2.0 | 6.1 | 0.0 | 3.7 | 100.0 |
| Kericho | 4.4 | 20.1 | 7.4 | 14.8 | 0.6 | 13.4 | 1.9 | 3.0 | 1.2 | 12.8 | 7.8 | 1.1 | 6.9 | 2.1 | 1.3 | 0.0 | 1.1 | 100.0 |
| Laikipia | 4.0 | 23.2 | 3.5 | 5.2 | 0.0 | 8.5 | 1.5 | 5.2 | 1.7 | 9.2 | 16.9 | 10.8 | 4.3 | 2.6 | 1.0 | 0.1 | 2.2 | 100.0 |
| Nakuru | 6.0 | 18.2 | 4.8 | 13.1 | 0.5 | 7.4 | 1.9 | 5.4 | 1.8 | 10.5 | 10.1 | 8.2 | 5.3 | 2.4 | 2.0 | 0.1 | 2.4 | 100.0 |
| Nandi | 5.2 | 18.7 | 5.1 | 12.4 | 1.4 | 13.4 | 1.4 | 3.8 | 1.2 | 11.2 | 8.5 | 3.5 | 5.6 | 2.1 | 4.1 | 0.0 | 2.4 | 100.0 |
| Narok | 3.0 | 25.7 | 3.7 | 19.3 | 0.0 | 5.9 | 1.1 | 5.9 | 0.7 | 6.5 | 6.6 | 5.5 | 7.2 | 2.6 | 3.3 | 0.0 | 3.0 | 100.0 |
| Bomet | 3.8 | 15.3 | 12.2 | 10.7 | 0.0 | 23.4 | 0.9 | 4.3 | 0.3 | 9.7 | 4.8 | 2.5 | 8.2 | 2.1 | 0.7 | 0.0 | 1.2 | 100.0 |
| Transmara | 1.6 | 21.7 | 3.3 | 12.6 | 0.0 | 15.7 | 1.4 | 5.6 | 1.2 | 12.2 | 8.1 | 3.6 | 5.1 | 2.7 | 4.5 | 0.0 | 0.8 | 100.0 |
| Baringo | 3.2 | 17.2 | 6.4 | 25.1 | 0.1 | 8.8 | 1.5 | 4.4 | 1.3 | 6.3 | 9.1 | 2.1 | 5.4 | 1.8 | 4.3 | 0.2 | 2.9 | 100.0 |
| Elgeyo-Marakwet | 3.2 | 18.5 | 5.3 | 17.0 | 0.2 | 7.2 | 1.7 | 3.9 | 0.6 | 9.5 | 14.2 | 6.9 | 5.2 | 1.6 | 2.9 | 0.0 | 2.0 | 100.0 |
| Trans Nzoia | 5.9 | 24.5 | 2.9 | 10.2 | 1.7 | 9.2 | 1.2 | 3.7 | 1.4 | 11.5 | 12.6 | 2.6 | 5.3 | 1.5 | 4.6 | 0.0 | 1.3 | 100.0 |
| Uasin Gishu | 6.9 | 15.5 | 4.0 | 11.2 | 0.9 | 11.8 | 2.9 | 3.3 | 1.4 | 14.1 | 10.6 | 2.7 | 5.5 | 2.1 | 2.6 | 0.1 | 4.4 | 100.0 |
| West Pokot | 1.7 | 19.3 | 3.5 | 26.9 | 0.1 | 11.1 | 2.1 | 3.6 | 0.6 | 6.6 | 10.4 | 1.0 | 5.6 | 1.4 | 3.1 | 0.0 | 2.9 | 100.0 |
| Western Rural | 4.0 | 17.7 | 4.2 | 12.5 | 2.9 | 6.4 | 1.2 | 4.3 | 1.9 | 15.2 | 9.7 | 7.7 | 5.7 | 1.8 | 2.9 | 0.1 | 2.0 | 100.0 |
| Bungoma | 3.7 | 19.2 | 4.0 | 11.3 | 1.9 | 7.1 | 1.0 | 3.4 | 1.5 | 13.9 | 13.0 | 8.0 | 5.3 | 1.3 | 3.2 | 0.1 | 2.3 | 100.0 |
| Busia | 4.8 | 19.0 | 11.5 | 10.9 | 6.1 | 2.7 | 0.9 | 4.8 | 1.3 | 10.5 | 4.5 | 13.9 | 5.0 | 0.9 | 1.2 | 0.3 | 1.7 | 100.0 |
| Kakamega | 4.7 | 13.8 | 3.9 | 14.5 | 2.1 | 6.4 | 1.7 | 5.3 | 2.3 | 14.9 | 10.4 | 6.5 | 5.9 | 2.3 | 3.1 | 0.0 | 2.2 | 100.0 |
| Vihiga | 2.4 | 22.0 | 0.6 | 11.4 | 4.0 | 7.5 | 0.6 | 3.5 | 1.9 | 20.3 | 6.8 | 6.0 | 6.5 | 2.2 | 3.0 | 0.0 | 1.2 | 100.0 |
| Total Rural | 4.5 | 18.9 | 5.7 | 11.5 | 1.5 | 8.0 | 1.3 | 5.0 | 1.8 | 11.2 | 11.4 | 7.1 | 5.1 | 2.0 | 2.8 | 0.1 | 2.2 | 100.0 |
| Total Urban | 8.0 | 8.6 | 5.2 | 13.8 | 2.0 | 7.3 | 2.3 | 6.3 | 3.2 | 12.4 | 6.5 | 4.0 | 3.7 | 2.3 | 7.7 | 0.6 | 5.8 | 100.0 |
| Nairobi | 7.6 | 8.3 | 4.5 | 13.7 | 2.0 | 7.3 | 2.2 | 5.7 | 3.7 | 12.1 | 5.6 | 3.7 | 3.4 | 2.4 | 9.4 | 0.8 | 7.5 | 100.0 |
| Mombasa | 9.2 | 8.5 | 5.6 | 14.6 | 2.5 | 6.9 | 2.4 | 8.4 | 3.3 | 11.1 | 7.8 | 3.8 | 3.7 | 1.8 | 6.2 | 1.1 | 3.1 | 100.0 |
| Kisumu | 8.6 | 8.4 | 4.9 | 12.2 | 3.8 | 8.7 | 3.4 | 6.1 | 2.7 | 15.8 | 6.5 | 2.7 | 4.6 | 1.2 | 4.2 | 0.2 | 6.2 | 100.0 |
| Nakuru | 8.5 | 10.4 | 5.0 | 15.2 | 1.8 | 8.6 | 2.6 | 6.3 | 3.0 | 14.0 | 5.1 | 3.9 | 4.1 | 2.0 | 4.9 | 0.0 | 4.6 | 100.0 |
| Other urban | 7.9 | 8.8 | 6.2 | 13.3 | 1.5 | 7.0 | 2.2 | 6.0 | 2.5 | 13.2 | 7.7 | 4.9 | 4.1 | 2.7 | 6.7 | 0.3 | 4.9 | 100.0 |
| Nation | 5.4 | 16.3 | 5.6 | 12.1 | 1.6 | 7.8 | 1.6 | 5.3 | 2.1 | 11.5 | 10.2 | 6.3 | 4.8 | 2.1 | 4.0 | 0.2 | 3.1 | 100.0 |

Annex 7.3 Mean Food Expenditures and Expenditure shares by Poverty

| | POOR | | | | | NON-POOR | | | | |
|-------------------|---------|-----------|---------|----------|----------------|----------|-----------|----------|----------|----------------|
| | Own | Purchased | Total | Share of | Share of | Own | Purchased | Total | Share of | Share of |
| | produce | food | food | own food | purchased food | produce | food | food | own food | purchased food |
| | (shs.) | (shs.) | (shs.) | (%) | (%) | (shs.) | (shs.) | (shs.) | (%) | (%) |
| Central Rural | 684.4 | 2,465.4 | 3,149.7 | 21.7 | 78.3 | 1,618.3 | 4,572.6 | 6,190.9 | 26.1 | 73.9 |
| Kiambu | 836.0 | 2,841.9 | 3,677.9 | 22.7 | 77.3 | 1,426.8 | 5,219.6 | 6,646.4 | 21.5 | 78.5 |
| Kirinyaga | 399.3 | 2,399.7 | 2,799.1 | 14.3 | 85.7 | 1,415.4 | 4,519.5 | 5,934.9 | 23.8 | 76.2 |
| Muranga | 696.2 | 2,465.0 | 3,161.3 | 22.0 | 78.0 | 1,673.6 | 4,500.3 | 6,173.9 | 27.1 | 72.9 |
| Nyandarua | 1,302.4 | 1,759.5 | 3,061.9 | 42.5 | 57.5 | 2,840.3 | 3,591.7 | 6,432.0 | 44.2 | 55.8 |
| Nyeri | 427.0 | 2,410.8 | 2,837.8 | 15.0 | 85.0 | 1,341.8 | 4,213.6 | 5,555.4 | 24.2 | 75.8 |
| Coast Rural | 412.7 | 2,850.8 | 3,263.5 | 12.6 | 87.4 | 973.5 | 4,680.5 | 5,654.0 | 17.2 | 82.8 |
| Kilifi | 366.4 | 3,284.8 | 3,651.2 | 10.0 | 90.0 | 681.0 | 4,650.3 | 5,331.2 | 12.8 | 87.2 |
| Kwale | 237.4 | 2,730.3 | 2,967.7 | 8.0 | 92.0 | 563.8 | 4,731.1 | 5,295.0 | 10.6 | 89.4 |
| Lamu | 286.9 | 4,022.2 | 4,309.1 | 6.7 | 93.3 | 1,737.8 | 4,900.7 | 6,638.5 | 26.2 | 73.8 |
| Taita Taveta | 767.1 | 1,891.2 | 2,658.4 | 28.9 | 71.1 | 1,204.5 | 4,050.7 | 5,255.2 | 22.9 | 77.1 |
| Tana River | 1,110.9 | 2,951.6 | 4,062.6 | 27.3 | 72.7 | 4,949.1 | 6,294.5 | 11,243.6 | 44.0 | 56.0 |
| Eastern Rural | 883.0 | 2,214.5 | 3,097.5 | 28.5 | 71.5 | 2,239.8 | 4,350.4 | 6,590.2 | 34.0 | 66.0 |
| Mbeere | 353.7 | 2,100.5 | 2,454.2 | 14.4 | 85.6 | 352.1 | 4,921.5 | 5,273.6 | 6.7 | 93.3 |
| Embu | 666.1 | 1,862.8 | 2,528.9 | 26.3 | 73.7 | 1,867.6 | 4,276.2 | 6,143.8 | 30.4 | 69.6 |
| Kitui | 1,025.5 | 1,918.7 | 2,944.2 | 34.8 | 65.2 | 2,911.7 | 2,964.1 | 5,875.8 | 49.6 | 50.4 |
| Machakos | 532.4 | 2,761.4 | 3,293.8 | 16.2 | 83.8 | 1,100.4 | 5,228.8 | 6,329.2 | 17.4 | 82.6 |
| Meru | 1,520.6 | 1,404.3 | 2,924.8 | 52.0 | 48.0 | 3,577.4 | 3,158.9 | 6,736.3 | 53.1 | 46.9 |
| Makueni | 698.2 | 2,185.3 | 2,883.5 | 24.2 | 75.8 | 1,914.9 | 4,062.4 | 5,977.3 | 32.0 | 68.0 |
| Tharaka Nithi | 697.6 | 2,164.0 | 2,861.5 | 24.4 | 75.6 | 2,720.3 | 3,976.9 | 6,697.2 | 40.6 | 59.4 |
| Nyamene | 1,524.0 | 2,419.6 | 3,943.6 | 38.6 | 61.4 | 2,422.0 | 5,698.2 | 8,120.2 | 29.8 | 70.2 |
| Nyanza Rural | 1,074.2 | 1,715.8 | 2,790.0 | 38.5 | 61.5 | 1,969.0 | 3,252.0 | 5,221.0 | 37.7 | 62.3 |
| Kisii | 1,595.3 | 1,654.4 | 3,249.8 | 49.1 | 50.9 | 3,653.7 | 3,031.3 | 6,684.9 | 54.7 | 45.3 |
| Kisumu | 370.0 | 1,993.2 | 2,363.1 | 15.7 | 84.3 | 1,148.4 | 3,986.9 | 5,135.3 | 22.4 | 77.6 |
| Siaya | 808.4 | 1,602.2 | 2,410.5 | 33.5 | 66.5 | 1,509.8 | 2,829.8 | 4,339.6 | 34.8 | 65.2 |
| Homa Bay | 898.3 | 1,709.5 | 2,607.8 | 34.4 | 65.6 | 1,030.7 | 3,354.9 | 4,385.6 | 23.5 | 76.5 |
| Migori | 1,562.3 | 2,121.1 | 3,683.4 | 42.4 | 57.6 | 2,242.2 | 3,400.9 | 5,643.1 | 39.7 | 60.3 |
| Nyamira | 1,236.0 | 1,401.1 | 2,637.1 | 46.9 | 53.1 | 1,817.2 | 3,283.8 | 5,100.9 | 35.6 | 64.4 |
| Rift Valley Rural | 1,140.0 | 1,781.6 | 2,921.6 | 39.0 | 61.0 | 2,267.2 | 3,702.7 | 5,969.9 | 38.0 | 62.0 |
| Kajiado | 603.0 | 2,236.4 | 2,839.5 | 21.2 | 78.8 | 2,624.1 | 5,875.6 | 8,499.7 | 30.9 | 69.1 |
| Kericho | 1,041.6 | 1,686.0 | 2,727.7 | 38.2 | 61.8 | 2,156.1 | 2,837.5 | 4,993.6 | 43.2 | 56.8 |
| Laikipia | 1,340.6 | 2,524.0 | 3,864.6 | 34.7 | 65.3 | 2,036.9 | 3,775.7 | 5,812.6 | 35.0 | 65.0 |
| Nakuru | 1,266.9 | 1,400.2 | 2,667.0 | 47.5 | 52.5 | 1,589.2 | 3,055.5 | 4,644.7 | 34.2 | 65.8 |
| Nandi | 1,136.0 | 1,822.2 | 2,958.2 | 38.4 | 61.6 | 2,078.4 | 3,495.2 | 5,573.6 | 37.3 | 62.7 |
| Narok | 1,225.1 | 1,982.4 | 3,207.5 | 38.2 | 61.8 | 1,960.5 | 4,011.6 | 5,972.1 | 32.8 | 67.2 |
| Bomet | 1,033.1 | 1,882.7 | 2,915.8 | 35.4 | 64.6 | 3,355.3 | 4,146.2 | 7,501.5 | 44.7 | 55.3 |
| Transmara | 897.6 | 1,945.0 | 2,842.7 | 31.6 | 68.4 | 2,038.4 | 4,648.9 | 6,687.4 | 30.5 | 69.5 |
| Baringo | 1,089.1 | 1,959.6 | 3,048.8 | 35.7 | 64.3 | 2,501.6 | 4,146.6 | 6,648.2 | 37.6 | 62.4 |
| Elgeyo-Marakwet | 1,544.8 | 1,954.0 | 3,498.8 | 44.2 | 55.8 | 2,815.0 | 3,003.2 | 5,818.2 | 48.4 | 51.6 |
| Trans Nzoia | 730.5 | 2,056.4 | 2,787.0 | 26.2 | 73.8 | 2,208.2 | 3,957.3 | 6,165.4 | 35.8 | 64.2 |
| Uasin Gishu | 1,744.3 | 1,987.4 | 3,731.7 | 46.7 | 53.3 | 3,090.6 | 4,342.5 | 7,433.1 | 41.6 | 58.4 |
| West Pokot | 1,301.8 | 1,015.2 | 2,317.0 | 56.2 | 43.8 | 2,926.7 | 2,135.3 | 5,062.0 | 57.8 | 42.2 |
| Western Rural | 831.1 | 1,927.8 | 2,758.9 | 30.1 | 69.9 | 1,962.8 | 3,441.1 | 5,403.9 | 36.3 | 63.7 |
| Bungoma | 1,088.9 | 2,311.7 | 3,400.5 | 32.0 | 68.0 | 2,263.4 | 3,820.1 | 6,083.4 | 37.2 | 62.8 |
| Busia | 748.6 | 1,668.7 | 2,417.3 | 31.0 | 69.0 | 1,968.6 | 3,061.5 | 5,030.0 | 39.1 | 60.9 |
| Kakamega | 796.4 | 1,778.7 | 2,575.1 | 30.9 | 69.1 | 1,691.9 | 3,209.5 | 4,901.4 | 34.5 | 65.5 |
| Vihiga | 710.7 | 1,993.7 | 2,704.4 | 26.3 | 73.7 | 2,133.0 | 3,683.9 | 5,816.9 | 36.7 | 63.3 |
| Total Rural | 931.1 | 2,013.4 | 2,944.5 | 31.6 | 68.4 | 1,938.3 | 3,972.4 | 5,910.7 | 32.8 | 67.2 |
| Total Urban | 101.5 | 3,924.4 | 4,026.0 | 2.5 | 97.5 | 150.0 | 7,202.5 | 7,352.5 | 2.0 | 98.0 |
| Nairobi | 50.3 | 4,048.5 | 4,098.7 | 1.2 | 98.8 | 36.0 | 8,010.2 | 8,046.1 | 0.4 | 99.6 |
| Mombasa | 52.7 | 4,013.2 | 4,065.9 | 1.3 | 98.7 | 124.8 | 7,776.5 | 7,901.3 | 1.6 | 98.4 |
| Kisumu | 51.4 | 3,769.5 | 3,820.9 | 1.3 | 98.7 | 105.0 | 6,080.9 | 6,186.0 | 1.7 | 98.3 |
| Nakuru | 37.3 | 4,371.0 | 4,408.2 | 0.8 | 99.2 | 106.3 | 6,082.3 | 6,188.6 | 1.7 | 98.3 |
| Other urban | 229.1 | 3,632.8 | 3,861.9 | 5.9 | 94.1 | 353.8 | 6,127.5 | 6,481.3 | 5.5 | 94.5 |
| Nation | 771.6 | 2,380.8 | 3,152.4 | 24.5 | 75.5 | 1,559.2 | 4,657.2 | 6,216.3 | 25.1 | 74.9 |

Annex 7.4a Mean Expenditure of non-food items in Poor households (Ksh)

| | Education | Health | Clothing | Footwear | Lighting & Transport | House | Non-durables | Durables | Water | Personal | Recreation | Transfers | Insurance | Tobacco | Total |
|--------------------------|--------------|--------------|--------------|-------------|----------------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------|
| | | | | | cooking fuel | rent | | | | care | | out | | | Non-food |
| Central Rural | 225.7 | 61.1 | 35.3 | 16.1 | 107.7 | 57.5 | 10.3 | 108.8 | 21.1 | 1.9 | 3.4 | 6.9 | 14.9 | 3.4 | 703.5 |
| Kiambu | 308.7 | 90.7 | 48.9 | 35.1 | 159.2 | 126.6 | 14.3 | 157.1 | 7.6 | 4.0 | 3.4 | 6.6 | 3.8 | 0.0 | 988.2 |
| Kirinyaga | 145.4 | 138.5 | 37.7 | 15.0 | 78.8 | 37.0 | 3.2 | 107.1 | 45.4 | 2.0 | 4.7 | 18.8 | 10.2 | 16.7 | 722.5 |
| Muranga | 274.6 | 45.5 | 18.7 | 6.6 | 93.1 | 34.3 | 0.5 | 94.2 | 21.1 | 0.6 | 2.5 | 1.9 | 32.9 | 2.7 | 647.6 |
| Nyandarua | 72.5 | 21.3 | 80.4 | 28.4 | 117.7 | 57.7 | 15.7 | 102.7 | 25.3 | 0.0 | 5.9 | 5.6 | 2.3 | 0.0 | 576.7 |
| Nyeri | 177.8 | 14.1 | 25.9 | 6.3 | 91.9 | 34.6 | 25.7 | 83.3 | 16.0 | 2.7 | 2.8 | 7.4 | 5.8 | 0.0 | 521.7 |
| Coast Rural | 120.1 | 56.8 | 92.2 | 6.6 | 78.4 | 77.8 | 5.9 | 111.5 | 21.0 | 28.1 | 0.8 | 10.6 | 19.0 | 2.7 | 663.9 |
| Kilifi | 89.7 | 100.7 | 85.5 | 11.0 | 84.3 | 98.8 | 2.8 | 123.1 | 21.5 | 41.7 | 0.0 | 19.9 | 0.0 | 1.0 | 723.9 |
| Kwale | 107.0 | 23.0 | 113.2 | 3.7 | 57.0 | 64.6 | 5.2 | 96.4 | 15.4 | 17.1 | 0.2 | 1.0 | 36.1 | 0.2 | 564.3 |
| Lamu | 98.7 | 13.1 | 126.3 | 2.9 | 270.5 | 39.1 | 14.5 | 251.5 | 18.7 | 84.9 | 0.0 | 3.9 | 0.0 | 0.0 | 967.4 |
| Taita Taveta | 209.5 | 16.5 | 31.0 | 1.5 | 74.4 | 53.5 | 1.1 | 88.6 | 27.6 | 9.7 | 3.5 | 6.3 | 37.1 | 0.0 | 579.2 |
| Tana River | 173.1 | 81.6 | 539.5 | 11.7 | 71.7 | 118.8 | 145.4 | 137.7 | 42.7 | 0.6 | 0.0 | 5.6 | 12.1 | 136.7 | 1,518.4 |
| Eastern Rural | 169.3 | 90.1 | 67.2 | 18.6 | 55.2 | 41.7 | 3.2 | 95.4 | 20.4 | 1.8 | 6.3 | 10.6 | 7.7 | 7.4 | 613.3 |
| Mbeere | 186.6 | 41.2 | 76.4 | 7.4 | 48.5 | 63.0 | 9.7 | 78.7 | 6.7 | 0.0 | 1.0 | 5.4 | 10.5 | 0.6 | 549.3 |
| Embu | 136.3 | 109.0 | 29.9 | 3.7 | 65.0 | 42.3 | 0.0 | 91.1 | 33.7 | 4.8 | 4.8 | 0.6 | 0.9 | 2.4 | 533.4 |
| Kitui | 128.2 | 68.7 | 119.2 | 26.2 | 42.1 | 38.4 | 0.1 | 95.5 | 27.3 | 0.3 | 4.0 | 12.3 | 9.3 | 0.5 | 591.9 |
| Machakos | 174.8 | 103.3 | 35.4 | 17.6 | 62.4 | 52.2 | 6.0 | 105.5 | 24.3 | 3.8 | 8.2 | 14.6 | 10.3 | 1.9 | 656.2 |
| Meru | 329.7 | 85.5 | 117.7 | 32.6 | 71.8 | 53.8 | 3.0 | 94.6 | 7.0 | 0.4 | 11.1 | 3.1 | 5.6 | 0.0 | 819.6 |
| Makueni | 208.5 | 70.8 | 45.3 | 14.5 | 56.7 | 46.2 | 6.4 | 124.8 | 6.7 | 0.0 | 5.9 | 12.2 | 3.7 | 1.8 | 626.1 |
| Tharaka Nithi | 162.7 | 206.7 | 55.1 | 38.2 | 38.7 | 9.3 | 0.0 | 49.7 | 52.6 | 5.0 | 6.4 | 7.8 | 17.8 | 76.8 | 727.7 |
| Nyambene | 99.3 | 66.0 | 66.5 | 5.5 | 60.1 | 30.4 | 0.0 | 73.9 | 9.2 | 1.4 | 6.9 | 10.2 | 3.5 | 0.0 | 438.4 |
| Nyanza Rural | 125.3 | 68.3 | 65.8 | 13.6 | 56.4 | 49.8 | 2.1 | 95.9 | 29.2 | 1.3 | 3.1 | 14.2 | 16.5 | 4.5 | 549.4 |
| Kisii | 126.1 | 45.9 | 59.2 | 10.8 | 77.9 | 42.7 | 0.0 | 96.8 | 11.7 | 2.1 | 3.2 | 20.7 | 13.1 | 0.7 | 513.3 |
| Kisumu | 41.7 | 66.7 | 39.7 | 7.2 | 72.4 | 49.0 | 8.3 | 86.0 | 9.5 | 6.9 | 0.2 | 22.3 | 13.7 | 1.4 | 429.9 |
| Siaya | 82.5 | 85.2 | 36.5 | 11.8 | 44.2 | 43.7 | 4.0 | 77.4 | 21.7 | 0.2 | 2.4 | 9.7 | 13.0 | 0.1 | 437.3 |
| Homa Bay | 55.4 | 33.2 | 110.9 | 12.2 | 45.4 | 47.7 | 0.8 | 88.7 | 22.0 | 0.0 | 7.4 | 15.8 | 6.0 | 0.7 | 451.6 |
| Migori | 138.0 | 108.9 | 118.7 | 22.0 | 45.6 | 81.5 | 0.0 | 131.1 | 54.9 | 0.0 | 6.3 | 5.3 | 57.1 | 23.3 | 794.6 |
| Nyamira | 253.7 | 66.3 | 42.7 | 16.1 | 58.7 | 39.9 | 0.0 | 98.3 | 46.1 | 0.0 | 0.3 | 13.9 | 3.6 | 2.3 | 642.9 |
| Rift Valley Rural | 151.4 | 64.1 | 79.7 | 14.8 | 76.4 | 62.9 | 4.0 | 108.2 | 23.9 | 1.0 | 4.1 | 14.9 | 22.2 | 4.9 | 646.9 |
| Kajiado | 112.3 | 39.5 | 98.4 | 97.9 | 63.8 | 38.0 | 2.8 | 134.9 | 5.0 | 0.0 | 1.4 | 0.0 | 5.6 | 0.0 | 612.0 |
| Kericho | 124.7 | 37.2 | 70.0 | 14.5 | 61.8 | 88.7 | 2.7 | 118.1 | 33.5 | 0.0 | 1.2 | 17.5 | 24.7 | 0.3 | 605.2 |
| Laikipia | 209.4 | 65.7 | 65.5 | 13.9 | 75.0 | 131.7 | 27.1 | 128.6 | 20.3 | 0.5 | 6.5 | 0.6 | 27.2 | 0.0 | 809.9 |
| Nakuru | 105.2 | 61.8 | 48.3 | 8.0 | 115.7 | 62.3 | 9.2 | 103.3 | 19.1 | 4.9 | 8.2 | 6.1 | 23.2 | 3.0 | 585.3 |
| Nandi | 157.6 | 46.5 | 62.1 | 15.9 | 67.2 | 57.9 | 1.7 | 140.7 | 40.5 | 0.0 | 9.2 | 17.7 | 23.6 | 13.7 | 684.1 |
| Narok | 127.0 | 34.9 | 135.6 | 27.0 | 71.5 | 111.0 | 5.4 | 83.5 | 30.2 | 0.0 | 1.2 | 30.4 | 5.8 | 0.0 | 665.5 |
| Bomet | 143.6 | 52.7 | 106.4 | 9.5 | 78.7 | 34.0 | 0.0 | 112.1 | 8.2 | 0.0 | 0.0 | 18.1 | 11.5 | 3.3 | 582.7 |
| Transmara | 206.8 | 191.9 | 49.7 | 6.8 | 25.4 | 31.1 | 0.0 | 36.4 | 14.9 | 0.0 | 0.5 | 25.5 | 0.0 | 0.0 | 590.4 |
| Baringo | 161.8 | 20.3 | 120.9 | 9.3 | 49.6 | 38.3 | 9.9 | 115.8 | 31.6 | 0.0 | 11.2 | 27.6 | 43.9 | 6.8 | 687.3 |
| Elgeyo-Marakwet | 191.5 | 84.1 | 178.7 | 38.4 | 78.5 | 33.0 | 0.0 | 105.7 | 41.5 | 0.0 | 3.7 | 14.3 | 58.6 | 2.7 | 850.0 |
| Trans Nzoia | 140.9 | 109.2 | 24.4 | 3.8 | 66.6 | 87.4 | 1.2 | 82.8 | 19.1 | 0.4 | 0.4 | 1.5 | 41.8 | 0.9 | 597.0 |
| Uasin Gishu | 303.5 | 71.1 | 171.3 | 8.5 | 155.5 | 63.0 | 2.0 | 141.6 | 31.2 | 2.0 | 4.8 | 14.6 | 0.5 | 14.4 | 1,007.3 |
| West Pokot | 134.7 | 57.6 | 46.6 | 10.1 | 28.5 | 49.5 | 0.0 | 84.7 | 7.3 | 0.0 | 1.7 | 22.6 | 13.1 | 14.2 | 478.3 |
| Western Rural | 169.1 | 84.2 | 28.9 | 4.8 | 46.6 | 62.6 | 0.1 | 94.7 | 35.1 | 1.0 | 1.4 | 16.4 | 30.9 | 5.6 | 590.1 |
| Bungoma | 244.4 | 121.5 | 40.1 | 19.4 | 41.2 | 93.9 | 0.4 | 102.1 | 61.5 | 4.1 | 0.9 | 20.3 | 31.3 | 2.2 | 793.0 |
| Busia | 109.8 | 42.1 | 16.1 | 0.6 | 43.6 | 54.5 | 0.0 | 75.9 | 48.8 | 0.6 | 0.3 | 23.4 | 24.4 | 0.7 | 448.1 |
| Kakamega | 119.1 | 92.7 | 39.1 | 1.3 | 50.1 | 61.5 | 0.0 | 109.3 | 23.6 | 0.0 | 3.2 | 11.5 | 48.7 | 14.0 | 579.7 |
| Vihiga | 219.2 | 69.1 | 13.3 | 0.0 | 48.7 | 41.9 | 0.0 | 80.4 | 18.2 | 0.0 | 0.0 | 14.8 | 9.1 | 0.0 | 527.5 |
| Total Rural | 156.8 | 72.3 | 62.3 | 13.3 | 66.4 | 56.1 | 3.6 | 101.0 | 25.8 | 3.1 | 3.6 | 13.0 | 18.4 | 5.1 | 615.0 |
| Total Urban | 279.9 | 110.6 | 153.0 | 30.0 | 260.5 | 268.8 | 487.0 | 221.8 | 67.9 | 75.5 | 41.5 | 54.9 | 68.8 | 10.6 | 2,216.0 |
| Nairobi | 315.7 | 91.2 | 154.7 | 37.5 | 261.2 | 419.5 | 613.7 | 229.1 | 74.7 | 59.0 | 58.9 | 62.4 | 52.9 | 1.5 | 2,573.0 |
| Mombasa | 139.6 | 83.9 | 123.5 | 7.9 | 223.5 | 148.0 | 315.1 | 214.6 | 57.7 | 177.7 | 8.9 | 37.5 | 90.0 | 12.1 | 1,661.7 |
| Kisumu | 250.3 | 204.2 | 167.7 | 53.2 | 336.3 | 156.4 | 377.3 | 251.5 | 61.8 | 198.4 | 21.7 | 96.1 | 171.8 | 30.9 | 2,397.3 |
| Nakuru | 427.5 | 194.2 | 123.4 | 31.9 | 359.0 | 181.3 | 679.6 | 237.7 | 85.4 | 41.2 | 52.2 | 34.0 | 61.6 | 36.7 | 2,563.1 |
| Other urban | 251.5 | 116.3 | 163.8 | 20.3 | 237.5 | 104.0 | 327.6 | 202.8 | 58.5 | 43.8 | 27.2 | 43.8 | 65.7 | 15.9 | 1,721.8 |
| Nation | 180.5 | 79.6 | 79.7 | 16.5 | 103.7 | 97.0 | 96.5 | 124.2 | 33.9 | 17.1 | 10.9 | 21.1 | 28.1 | 6.1 | 922.8 |

Annex 7.4b Non-food expenditure shares in poor households (%)

| | Education | Health | Clothing & Footwear | Lighting & cooking fuel | Transport | House rent | Non-durables | Durables | Water | Recreation and personal | Transfers out | Insurance | Tobacco | Total Non-food |
|--------------------------|-------------|-------------|------------------------|----------------------------|-------------|---------------|--------------|------------|------------|----------------------------|------------------|------------|------------|-------------------|
| Central Rural | 32.1 | 8.7 | 7.3 | 15.3 | 8.2 | 1.5 | 15.5 | 3.0 | 0.3 | 1.5 | 2.1 | 0.5 | 4.2 | 100.0 |
| Kiambu | 31.2 | 9.2 | 8.5 | 16.1 | 12.8 | 1.4 | 15.9 | 0.8 | 0.4 | 1.0 | 0.4 | 0.0 | 2.3 | 100.0 |
| Kirinyaga | 20.1 | 19.2 | 7.3 | 10.9 | 5.1 | 0.4 | 14.8 | 6.3 | 0.3 | 3.2 | 1.4 | 2.3 | 8.6 | 100.0 |
| Muranga | 42.4 | 7.0 | 3.9 | 14.4 | 5.3 | 0.1 | 14.5 | 3.3 | 0.1 | 0.7 | 5.1 | 0.4 | 2.8 | 100.0 |
| Nyandarua | 12.6 | 3.7 | 18.9 | 20.4 | 10.0 | 2.7 | 17.8 | 4.4 | 0.0 | 2.0 | 0.4 | 0.0 | 7.2 | 100.0 |
| Nyeri | 34.1 | 2.7 | 6.2 | 17.6 | 6.6 | 4.9 | 16.0 | 3.1 | 0.5 | 2.0 | 1.1 | 0.0 | 5.3 | 100.0 |
| Coast Rural | 18.1 | 8.6 | 14.9 | 11.8 | 11.7 | 0.9 | 16.8 | 3.2 | 4.2 | 1.7 | 2.9 | 0.4 | 4.9 | 100.0 |
| Kilifi | 12.4 | 13.9 | 13.3 | 11.6 | 13.7 | 0.4 | 17.0 | 3.0 | 5.8 | 2.8 | 0.0 | 0.1 | 6.1 | 100.0 |
| Kwale | 19.0 | 4.1 | 20.7 | 10.1 | 11.5 | 0.9 | 17.1 | 2.7 | 3.0 | 0.2 | 6.4 | 0.0 | 4.3 | 100.0 |
| Lamu | 10.2 | 1.4 | 13.4 | 28.0 | 4.0 | 1.5 | 26.0 | 1.9 | 8.8 | 0.4 | 0.0 | 0.0 | 4.5 | 100.0 |
| Taita Taveta | 36.2 | 2.9 | 5.6 | 12.8 | 9.2 | 0.2 | 15.3 | 4.8 | 1.7 | 1.7 | 6.4 | 0.0 | 3.2 | 100.0 |
| Tana River | 11.4 | 5.4 | 36.3 | 4.7 | 7.8 | 9.6 | 9.1 | 2.8 | 0.0 | 0.4 | 0.8 | 9.0 | 2.7 | 100.0 |
| Eastern Rural | 27.6 | 14.7 | 14.0 | 9.0 | 6.8 | 0.5 | 15.6 | 3.3 | 0.3 | 2.8 | 1.3 | 1.2 | 3.0 | 100.0 |
| Mbeere | 34.0 | 7.5 | 15.3 | 8.8 | 11.5 | 1.8 | 14.3 | 1.2 | 0.0 | 1.2 | 1.9 | 0.1 | 2.5 | 100.0 |
| Embu | 25.5 | 20.4 | 6.3 | 12.2 | 7.9 | 0.0 | 17.1 | 6.3 | 0.9 | 1.0 | 0.2 | 0.4 | 1.7 | 100.0 |
| Kitui | 21.7 | 11.6 | 24.6 | 7.1 | 6.5 | 0.0 | 16.1 | 4.6 | 0.0 | 2.8 | 1.6 | 0.1 | 3.3 | 100.0 |
| Machakos | 26.6 | 15.7 | 8.1 | 9.5 | 8.0 | 0.9 | 16.1 | 3.7 | 0.6 | 3.5 | 1.6 | 0.3 | 5.5 | 100.0 |
| Meru | 40.2 | 10.4 | 18.3 | 8.8 | 6.6 | 0.4 | 11.5 | 0.9 | 0.0 | 1.7 | 0.7 | 0.0 | 0.4 | 100.0 |
| Makueni | 33.3 | 11.3 | 9.5 | 9.1 | 7.4 | 1.0 | 19.9 | 1.1 | 0.0 | 2.9 | 0.6 | 0.3 | 3.6 | 100.0 |
| Tharaka Nithi | 22.4 | 28.4 | 12.8 | 5.3 | 1.3 | 0.0 | 6.8 | 7.2 | 0.7 | 2.0 | 2.4 | 10.6 | 0.1 | 100.0 |
| Nyambene | 22.6 | 15.0 | 16.4 | 13.7 | 6.9 | 0.0 | 16.9 | 2.1 | 0.3 | 3.9 | 0.8 | 0.0 | 1.3 | 100.0 |
| Nyanza Rural | 22.8 | 12.4 | 14.4 | 10.3 | 9.1 | 0.4 | 17.5 | 5.3 | 0.2 | 3.2 | 3.0 | 0.8 | 0.6 | 100.0 |
| Kisii | 24.6 | 8.9 | 13.6 | 15.2 | 8.3 | 0.0 | 18.9 | 2.3 | 0.4 | 4.7 | 2.6 | 0.1 | 0.5 | 100.0 |
| Kisumu | 9.7 | 15.5 | 10.9 | 16.9 | 11.4 | 1.9 | 20.0 | 2.2 | 1.6 | 5.2 | 3.2 | 0.3 | 1.1 | 100.0 |
| Siaya | 18.9 | 19.5 | 11.0 | 10.1 | 10.0 | 0.9 | 17.7 | 5.0 | 0.0 | 2.8 | 3.0 | 0.0 | 1.2 | 100.0 |
| Homa Bay | 12.3 | 7.4 | 27.3 | 10.0 | 10.6 | 0.2 | 19.6 | 4.9 | 0.0 | 5.1 | 1.3 | 0.2 | 1.2 | 100.0 |
| Migori | 17.4 | 13.7 | 17.7 | 5.7 | 10.3 | 0.0 | 16.5 | 6.9 | 0.0 | 1.5 | 7.2 | 2.9 | 0.2 | 100.0 |
| Nyamira | 39.5 | 10.3 | 9.1 | 9.1 | 6.2 | 0.0 | 15.3 | 7.2 | 0.0 | 2.2 | 0.6 | 0.4 | 0.1 | 100.0 |
| Rift Valley Rural | 23.4 | 9.9 | 14.6 | 11.8 | 9.7 | 0.6 | 16.7 | 3.7 | 0.2 | 2.9 | 3.4 | 0.8 | 2.2 | 100.0 |
| Kajiado | 18.4 | 6.5 | 32.1 | 10.4 | 6.2 | 0.5 | 22.0 | 0.8 | 0.0 | 0.2 | 0.9 | 0.0 | 2.1 | 100.0 |
| Kericho | 20.6 | 6.1 | 14.0 | 10.2 | 14.7 | 0.4 | 19.5 | 5.5 | 0.0 | 3.1 | 4.1 | 0.1 | 1.7 | 100.0 |
| Laikipia | 25.9 | 8.1 | 9.8 | 9.3 | 16.3 | 3.4 | 15.9 | 2.5 | 0.1 | 0.9 | 3.4 | 0.0 | 4.7 | 100.0 |
| Nakuru | 18.0 | 10.6 | 9.6 | 19.8 | 10.7 | 1.6 | 17.6 | 3.3 | 0.8 | 2.4 | 4.0 | 0.5 | 1.2 | 100.0 |
| Nandi | 23.0 | 6.8 | 11.4 | 9.8 | 8.5 | 0.2 | 20.6 | 5.9 | 0.0 | 4.2 | 3.4 | 2.0 | 4.1 | 100.0 |
| Narok | 19.1 | 5.2 | 24.4 | 10.8 | 16.7 | 0.8 | 12.5 | 4.5 | 0.0 | 4.8 | 0.9 | 0.0 | 0.3 | 100.0 |
| Bomet | 24.6 | 9.0 | 19.9 | 13.5 | 5.8 | 0.0 | 19.2 | 1.4 | 0.0 | 3.1 | 2.0 | 0.6 | 0.8 | 100.0 |
| Transmara | 35.0 | 32.5 | 9.6 | 4.3 | 5.3 | 0.0 | 6.2 | 2.5 | 0.0 | 4.4 | 0.0 | 0.0 | 0.3 | 100.0 |
| Baringo | 23.5 | 3.0 | 18.9 | 7.2 | 5.6 | 1.4 | 16.9 | 4.6 | 0.0 | 5.6 | 6.4 | 1.0 | 5.9 | 100.0 |
| Elgeyo-Marakwet | 22.5 | 9.9 | 25.5 | 9.2 | 3.9 | 0.0 | 12.4 | 4.9 | 0.0 | 2.1 | 6.9 | 0.3 | 2.3 | 100.0 |
| Trans Nzoia | 23.6 | 18.3 | 4.7 | 11.2 | 14.6 | 0.2 | 13.9 | 3.2 | 0.1 | 0.3 | 7.0 | 0.1 | 2.8 | 100.0 |
| Uasin Gishu | 30.1 | 7.1 | 17.9 | 15.4 | 6.3 | 0.2 | 14.1 | 3.1 | 0.2 | 1.9 | 0.1 | 1.4 | 2.3 | 100.0 |
| West Pokot | 28.2 | 12.1 | 11.9 | 6.0 | 10.3 | 0.0 | 17.7 | 1.5 | 0.0 | 5.1 | 2.7 | 3.0 | 1.6 | 100.0 |
| Western Rural | 28.7 | 14.3 | 5.7 | 7.9 | 10.6 | 0.0 | 16.1 | 5.9 | 0.2 | 3.0 | 5.2 | 1.0 | 1.4 | 100.0 |
| Bungoma | 30.8 | 15.3 | 7.5 | 5.2 | 11.8 | 0.1 | 12.9 | 7.8 | 0.5 | 2.7 | 3.9 | 0.3 | 1.2 | 100.0 |
| Busia | 24.5 | 9.4 | 3.7 | 9.7 | 12.2 | 0.0 | 16.9 | 10.9 | 0.1 | 5.3 | 5.4 | 0.2 | 1.6 | 100.0 |
| Kakamega | 20.5 | 16.0 | 7.0 | 8.6 | 10.6 | 0.0 | 18.9 | 4.1 | 0.0 | 2.5 | 8.4 | 2.4 | 1.0 | 100.0 |
| Vihiga | 41.6 | 13.1 | 2.5 | 9.2 | 7.9 | 0.0 | 15.2 | 3.4 | 0.0 | 2.8 | 1.7 | 0.0 | 2.4 | 100.0 |
| Total Rural | 25.5 | 11.8 | 12.3 | 10.8 | 9.1 | 0.6 | 16.4 | 4.2 | 0.5 | 2.7 | 3.0 | 0.8 | 2.3 | 100.0 |
| Total Urban | 12.6 | 5.0 | 8.3 | 11.8 | 12.1 | 22.0 | 10.0 | 3.1 | 3.4 | 4.4 | 3.1 | 0.5 | 3.8 | 100.0 |
| Nairobi | 12.3 | 3.5 | 7.5 | 10.2 | 16.3 | 23.9 | 8.9 | 2.9 | 2.3 | 4.7 | 2.1 | 0.1 | 5.5 | 100.0 |
| Mombasa | 8.4 | 5.0 | 7.9 | 13.5 | 8.9 | 19.0 | 12.9 | 3.5 | 10.7 | 2.8 | 5.4 | 0.7 | 1.3 | 100.0 |
| Kisumu | 10.4 | 8.5 | 9.2 | 14.0 | 6.5 | 15.7 | 10.5 | 2.6 | 8.3 | 4.9 | 7.2 | 1.3 | 0.8 | 100.0 |
| Nakuru | 16.7 | 7.6 | 6.1 | 14.0 | 7.1 | 26.5 | 9.3 | 3.3 | 1.6 | 3.4 | 2.4 | 1.4 | 0.7 | 100.0 |
| Other urban | 14.6 | 6.8 | 10.7 | 13.8 | 6.0 | 19.0 | 11.8 | 3.4 | 2.5 | 4.1 | 3.8 | 0.9 | 2.5 | 100.0 |
| Nation | 19.6 | 8.6 | 10.4 | 11.2 | 10.5 | 10.5 | 13.5 | 3.7 | 1.8 | 3.5 | 3.0 | 0.7 | 3.0 | 100.0 |

Table 7.4c Mean Expenditure of Non-food items in Non-poor households (Ksh)

| | Education | Health | Clothing & Footwear | Lighting & cooking fuel | Transport | House rent | Non-durables | Durables | Water | Recreation & personal care | Transfers out | Insurance | Tobacco | Total Non-food | Total expenditure |
|--------------------------|----------------|--------------|---------------------|-------------------------|----------------|----------------|--------------|--------------|--------------|----------------------------|---------------|--------------|-------------|-----------------|-------------------|
| Central Rural | 571.3 | 700.8 | 402.0 | 278.3 | 498.4 | 37.2 | 330.0 | 89.3 | 8.7 | 93.5 | 148.8 | 45.3 | 80.2 | 3,283.8 | 9,474.8 |
| Kiambu | 574.3 | 1,868.1 | 525.6 | 318.2 | 652.6 | 43.5 | 401.3 | 99.7 | 11.4 | 128.3 | 140.1 | 40.3 | 93.9 | 4,897.5 | 11,543.9 |
| Kirinyaga | 491.4 | 288.6 | 328.2 | 184.7 | 287.9 | 14.6 | 274.7 | 92.0 | 13.5 | 74.6 | 17.9 | 42.4 | 97.2 | 2,207.8 | 8,142.7 |
| Muranga | 723.3 | 90.5 | 323.3 | 174.3 | 246.1 | 7.9 | 255.8 | 69.9 | 5.2 | 69.5 | 275.8 | 20.2 | 59.6 | 2,321.5 | 8,495.3 |
| Nyandarua | 385.7 | 271.2 | 408.9 | 520.0 | 514.8 | 47.1 | 297.8 | 105.6 | 0.0 | 82.0 | 148.2 | 36.1 | 80.0 | 2,897.4 | 9,329.5 |
| Nyeri | 528.4 | 112.0 | 346.4 | 270.0 | 667.9 | 69.2 | 356.0 | 86.6 | 10.4 | 85.7 | 87.8 | 87.9 | 74.4 | 2,782.7 | 8,338.1 |
| Coast Rural | 371.1 | 122.3 | 436.8 | 140.3 | 248.8 | 73.2 | 462.6 | 89.5 | 56.9 | 71.0 | 403.3 | 12.5 | 79.7 | 2,568.0 | 8,222.0 |
| Kilifi | 486.9 | 164.7 | 354.1 | 179.7 | 299.1 | 93.0 | 806.9 | 132.9 | 79.7 | 96.8 | 300.1 | 12.1 | 70.5 | 3,076.4 | 8,407.7 |
| Kwale | 206.4 | 39.2 | 548.8 | 80.1 | 119.1 | 78.6 | 156.5 | 50.7 | 49.7 | 58.7 | 598.6 | 0.3 | 20.3 | 2,007.1 | 7,302.1 |
| Lamu | 233.1 | 21.1 | 601.6 | 272.5 | 120.6 | 60.2 | 364.0 | 110.5 | 63.0 | 31.8 | 251.1 | 19.0 | 74.2 | 2,222.6 | 8,861.1 |
| Taita Taveta | 563.7 | 276.2 | 334.6 | 126.6 | 464.4 | 22.0 | 297.6 | 52.3 | 20.5 | 55.5 | 430.5 | 14.4 | 74.3 | 2,732.6 | 7,987.8 |
| Tana River | 99.7 | 8.1 | 448.2 | 46.1 | 256.0 | 27.8 | 160.3 | 53.0 | 0.0 | 30.3 | 70.2 | 93.1 | 650.5 | 1,943.5 | 13,187.1 |
| Eastern Rural | 411.6 | 330.9 | 400.8 | 126.3 | 227.2 | 52.7 | 351.9 | 84.5 | 10.5 | 123.1 | 171.7 | 42.1 | 64.2 | 2,397.5 | 8,987.8 |
| Mbeere | 513.8 | 159.5 | 325.1 | 137.6 | 258.2 | 70.6 | 259.8 | 34.2 | 5.1 | 51.3 | 182.6 | 5.1 | 41.2 | 2,044.1 | 7,317.7 |
| Embu | 744.9 | 481.3 | 177.6 | 128.9 | 190.2 | 0.2 | 406.4 | 158.5 | 25.3 | 112.2 | 86.6 | 31.1 | 40.2 | 2,583.4 | 8,727.3 |
| Kitui | 323.9 | 234.9 | 569.3 | 88.0 | 178.0 | 59.2 | 375.5 | 89.4 | 16.3 | 65.3 | 282.9 | 20.8 | 18.3 | 2,321.8 | 8,197.6 |
| Machakos | 491.3 | 550.3 | 218.2 | 132.9 | 670.4 | 106.6 | 452.5 | 110.7 | 13.2 | 402.7 | 236.2 | 73.4 | 107.7 | 3,566.1 | 9,895.3 |
| Meru | 644.9 | 357.0 | 593.9 | 201.5 | 56.4 | 5.4 | 336.5 | 115.0 | 0.0 | 58.1 | 152.8 | 44.4 | 52.2 | 2,618.0 | 9,354.4 |
| Makueni | 516.2 | 145.7 | 314.3 | 122.6 | 210.6 | 159.2 | 478.6 | 71.6 | 3.0 | 85.9 | 77.6 | 114.2 | 57.2 | 2,356.7 | 8,334.0 |
| Tharaka Nithi | 178.4 | 326.7 | 348.7 | 88.1 | 58.7 | 11.7 | 99.6 | 44.3 | 3.5 | 85.7 | 221.8 | 33.8 | 28.6 | 1,529.6 | 8,226.8 |
| Nyambene | 183.3 | 318.2 | 465.1 | 115.2 | 94.9 | 0.0 | 332.2 | 61.3 | 17.1 | 33.1 | 92.1 | 3.9 | 106.9 | 1,823.4 | 9,943.6 |
| Nyanza Rural | 306.0 | 219.5 | 337.8 | 104.4 | 198.8 | 17.2 | 231.2 | 103.5 | 2.7 | 68.7 | 244.4 | 20.3 | 10.2 | 1,864.8 | 7,085.8 |
| Kisii | 384.7 | 143.5 | 391.4 | 102.7 | 98.7 | 4.1 | 217.9 | 34.0 | 1.5 | 54.3 | 204.1 | 2.5 | 3.7 | 1,643.2 | 8,328.2 |
| Kisumu | 254.2 | 202.1 | 237.1 | 160.6 | 221.0 | 20.9 | 319.0 | 84.8 | 12.3 | 71.2 | 173.3 | 23.0 | 31.3 | 1,810.7 | 6,946.1 |
| Siaya | 174.2 | 174.5 | 130.6 | 80.0 | 162.1 | 38.0 | 178.4 | 82.0 | 0.0 | 90.3 | 116.0 | 22.4 | 9.0 | 1,257.5 | 5,597.1 |
| Homa Bay | 207.0 | 479.8 | 228.1 | 117.5 | 208.5 | 6.2 | 390.8 | 77.9 | 0.0 | 76.2 | 101.1 | 9.8 | 5.5 | 1,908.4 | 6,294.0 |
| Migori | 177.9 | 256.0 | 532.0 | 69.0 | 152.6 | 0.6 | 150.9 | 190.5 | 4.0 | 53.7 | 617.7 | 42.4 | 12.2 | 2,259.5 | 7,902.6 |
| Nyamira | 620.4 | 196.0 | 449.7 | 133.5 | 355.8 | 22.4 | 271.8 | 113.4 | 0.4 | 64.9 | 134.6 | 10.5 | 3.6 | 2,377.2 | 7,478.1 |
| Rift Valley Rural | 396.1 | 415.4 | 407.3 | 155.6 | 331.9 | 25.0 | 289.3 | 89.6 | 5.7 | 79.4 | 314.9 | 36.4 | 30.1 | 2,576.5 | 8,546.4 |
| Kajiado | 329.0 | 390.1 | 437.0 | 148.6 | 421.4 | 32.6 | 612.9 | 102.1 | 18.5 | 63.4 | 355.9 | 30.1 | 80.6 | 3,022.2 | 11,522.0 |
| Kericho | 273.6 | 219.7 | 273.3 | 107.9 | 100.1 | 7.2 | 212.7 | 105.3 | 9.4 | 68.5 | 299.1 | 7.8 | 11.9 | 1,696.6 | 6,690.2 |
| Laikipia | 285.6 | 85.1 | 372.7 | 162.2 | 282.6 | 34.6 | 206.5 | 38.4 | 1.9 | 25.3 | 122.1 | 10.1 | 53.3 | 1,680.4 | 7,493.0 |
| Nakuru | 274.0 | 235.2 | 265.2 | 191.4 | 431.1 | 44.3 | 233.6 | 65.5 | 9.9 | 104.1 | 366.4 | 41.7 | 33.0 | 2,295.2 | 6,939.9 |
| Nandi | 418.0 | 165.7 | 340.0 | 176.6 | 343.6 | 32.9 | 373.1 | 158.5 | 3.7 | 62.1 | 177.1 | 42.1 | 32.6 | 2,326.1 | 7,899.6 |
| Narok | 334.5 | 268.6 | 690.1 | 120.2 | 331.8 | 31.1 | 380.7 | 78.2 | 0.0 | 117.7 | 438.6 | 14.7 | 58.2 | 2,864.4 | 8,836.6 |
| Bomet | 1,029.2 | 1,070.7 | 396.2 | 108.3 | 38.0 | 0.0 | 231.9 | 56.3 | 0.0 | 24.2 | 179.9 | 69.1 | 0.3 | 3,204.1 | 10,705.7 |
| Transmara | 205.8 | 2,254.1 | 638.8 | 65.1 | 217.5 | 0.0 | 120.8 | 71.6 | 0.0 | 31.3 | 121.2 | 84.6 | 2.6 | 3,813.4 | 10,500.8 |
| Baringo | 325.4 | 237.3 | 663.7 | 101.7 | 307.3 | 36.8 | 258.2 | 109.0 | 7.7 | 117.1 | 816.5 | 50.5 | 28.1 | 3,059.2 | 9,707.4 |
| Elgeyo-Marakwet | 454.1 | 578.4 | 536.0 | 189.1 | 187.6 | 3.4 | 340.9 | 41.9 | 0.7 | 61.2 | 139.8 | 9.3 | 12.3 | 2,554.7 | 8,372.9 |
| Trans Nzoia | 577.0 | 545.0 | 313.6 | 145.8 | 564.5 | 1.9 | 292.0 | 140.8 | 0.0 | 52.3 | 192.6 | 1.1 | 18.2 | 2,844.7 | 9,010.1 |
| Uasin Gishu | 571.4 | 457.9 | 514.7 | 278.7 | 492.8 | 18.5 | 370.9 | 130.4 | 0.0 | 163.8 | 166.5 | 84.4 | 27.2 | 3,277.3 | 10,710.5 |
| West Pokot | 371.8 | 523.1 | 496.0 | 68.9 | 468.4 | 22.5 | 192.8 | 76.5 | 0.0 | 28.8 | 514.0 | 35.1 | 11.3 | 2,809.0 | 7,871.0 |
| Western Rural | 339.6 | 265.8 | 191.4 | 103.7 | 270.4 | 7.0 | 240.8 | 108.7 | 3.8 | 81.3 | 368.5 | 26.2 | 30.5 | 2,037.9 | 7,441.8 |
| Bungoma | 499.5 | 479.6 | 221.2 | 96.1 | 426.4 | 3.9 | 207.9 | 117.9 | 10.9 | 78.4 | 418.0 | 22.5 | 16.0 | 2,598.4 | 8,681.8 |
| Busia | 291.8 | 153.9 | 191.9 | 88.4 | 177.7 | 5.9 | 294.4 | 178.9 | 2.2 | 50.7 | 499.4 | 5.4 | 13.8 | 1,954.4 | 6,984.4 |
| Kakamega | 298.0 | 113.8 | 223.1 | 114.6 | 181.7 | 8.2 | 265.6 | 96.4 | 0.0 | 111.4 | 416.8 | 41.8 | 40.1 | 1,911.5 | 6,812.9 |
| Vihiga | 243.7 | 378.6 | 81.8 | 101.1 | 312.4 | 9.5 | 195.4 | 74.6 | 3.6 | 41.3 | 106.4 | 12.0 | 41.3 | 1,601.8 | 7,418.6 |
| | | | 0.0 | | | | | | | 0.0 | | | | | |
| Total Rural | 421.9 | 413.6 | 370.2 | 168.6 | 327.6 | 31.4 | 303.1 | 93.3 | 9.2 | 87.3 | 250.1 | 34.4 | 47.6 | 2,558.2 | 8,468.9 |
| Total Urban | 1,225.0 | 958.8 | 1,027.3 | 646.6 | 1,203.1 | 1,764.6 | 823.1 | 765.2 | 181.2 | 420.6 | 606.3 | 383.7 | 94.2 | 10,099.7 | 17,452.2 |
| Nairobi | 1,985.2 | 1,542.5 | 1,335.2 | 816.5 | 1,780.1 | 2,529.8 | 1,173.7 | 1,392.1 | 178.2 | 625.5 | 474.8 | 739.8 | 119.2 | 14,692.7 | 22,738.8 |
| Mombasa | 571.1 | 345.6 | 893.0 | 652.2 | 751.2 | 1,996.9 | 736.0 | 282.8 | 315.5 | 321.6 | 828.0 | 88.1 | 85.3 | 7,867.2 | 15,768.5 |
| Kisumu | 891.1 | 567.8 | 592.9 | 582.1 | 752.3 | 819.2 | 470.4 | 408.6 | 498.3 | 217.4 | 694.3 | 121.6 | 15.1 | 6,631.1 | 12,817.1 |
| Nakuru | 559.7 | 947.2 | 645.5 | 431.7 | 515.1 | 1,100.1 | 596.8 | 353.0 | 64.5 | 283.7 | 704.4 | 212.5 | 78.4 | 6,492.5 | 12,681.1 |
| Other urban | 705.2 | 496.2 | 811.3 | 460.0 | 861.2 | 797.4 | 460.0 | 274.0 | 101.2 | 237.5 | 634.0 | 106.3 | 76.4 | 6,020.6 | 12,501.9 |
| Nation | 592.1 | 529.2 | 509.5 | 269.9 | 513.2 | 398.8 | 413.3 | 235.7 | 45.7 | 158.0 | 325.6 | 108.5 | 57.5 | 4,157.0 | 10,373.3 |

Annex 7.4d Non-food expenditure shares in Non-poor households (%)

| | Education | Health | Clothing & Footwear | Lighting & cooking fuel | Transport rent | House Non-durables | Durables | Water | Recreation & personal care | Transfers out | Insurance | Tobacco | Total Non-food | |
|-------------------|-----------|--------|------------------------|----------------------------|-------------------|-----------------------|----------|-------|-------------------------------|------------------|-----------|---------|-------------------|-------|
| Central Rural | 17.4 | 21.3 | 12.2 | 8.5 | 15.2 | 1.1 | 10.0 | 2.7 | 0.3 | 2.8 | 4.5 | 1.4 | 2.4 | 100.0 |
| Kiambu | 11.7 | 38.1 | 10.7 | 6.5 | 13.3 | 0.9 | 8.2 | 2.0 | 0.2 | 2.6 | 2.9 | 0.8 | 1.9 | 100.0 |
| Kirinyaga | 22.3 | 13.1 | 14.9 | 8.4 | 13.0 | 0.7 | 12.4 | 4.2 | 0.6 | 3.4 | 0.8 | 1.9 | 4.4 | 100.0 |
| Muranga | 31.2 | 3.9 | 13.9 | 7.5 | 10.6 | 0.3 | 11.0 | 3.0 | 0.2 | 3.0 | 11.9 | 0.9 | 2.6 | 100.0 |
| Nyandarua | 13.3 | 9.4 | 14.1 | 17.9 | 17.8 | 1.6 | 10.3 | 3.6 | 0.0 | 2.8 | 5.1 | 1.2 | 2.8 | 100.0 |
| Nyeri | 19.0 | 4.0 | 12.4 | 9.7 | 24.0 | 2.5 | 12.8 | 3.1 | 0.4 | 3.1 | 3.2 | 3.2 | 2.7 | 100.0 |
| Coast Rural | 14.5 | 4.8 | 17.0 | 5.5 | 9.7 | 2.8 | 18.0 | 3.5 | 2.2 | 2.8 | 15.7 | 0.5 | 3.1 | 100.0 |
| Kilifi | 15.8 | 5.4 | 11.5 | 5.8 | 9.7 | 3.0 | 26.2 | 4.3 | 2.6 | 3.1 | 9.8 | 0.4 | 2.3 | 100.0 |
| Kwale | 10.3 | 2.0 | 27.3 | 4.0 | 5.9 | 3.9 | 7.8 | 2.5 | 2.5 | 2.9 | 29.8 | 0.0 | 1.0 | 100.0 |
| Lamu | 10.5 | 0.9 | 27.1 | 12.3 | 5.4 | 2.7 | 16.4 | 5.0 | 2.8 | 1.4 | 11.3 | 0.9 | 3.3 | 100.0 |
| Taita Taveta | 20.6 | 10.1 | 12.2 | 4.6 | 17.0 | 0.8 | 10.9 | 1.9 | 0.8 | 2.0 | 15.8 | 0.5 | 2.7 | 100.0 |
| Tana River | 5.1 | 0.4 | 23.1 | 2.4 | 13.2 | 1.4 | 8.2 | 2.7 | 0.0 | 1.6 | 3.6 | 4.8 | 33.5 | 100.0 |
| Eastern Rural | 17.2 | 13.8 | 16.7 | 5.3 | 9.5 | 2.2 | 14.7 | 3.5 | 0.4 | 5.1 | 7.2 | 1.8 | 2.7 | 100.0 |
| Mbeere | 25.1 | 7.8 | 15.9 | 6.7 | 12.6 | 3.5 | 12.7 | 1.7 | 0.2 | 2.5 | 8.9 | 0.2 | 2.0 | 100.0 |
| Embu | 28.8 | 18.6 | 6.9 | 5.0 | 7.4 | 0.0 | 15.7 | 6.1 | 1.0 | 4.3 | 3.4 | 1.2 | 1.6 | 100.0 |
| Kitui | 13.9 | 10.1 | 24.5 | 3.8 | 7.7 | 2.5 | 16.2 | 3.9 | 0.7 | 2.8 | 12.2 | 0.9 | 0.8 | 100.0 |
| Machakos | 13.8 | 15.4 | 6.1 | 3.7 | 18.8 | 3.0 | 12.7 | 3.1 | 0.4 | 11.3 | 6.6 | 2.1 | 3.0 | 100.0 |
| Meru | 24.6 | 13.6 | 22.7 | 7.7 | 2.2 | 0.2 | 12.9 | 4.4 | 0.0 | 2.2 | 5.8 | 1.7 | 2.0 | 100.0 |
| Makueni | 21.9 | 6.2 | 13.3 | 5.2 | 8.9 | 6.8 | 20.3 | 3.0 | 0.1 | 3.6 | 3.3 | 4.8 | 2.4 | 100.0 |
| Tharaka Nithi | 11.7 | 21.4 | 22.8 | 5.8 | 3.8 | 0.8 | 6.5 | 2.9 | 0.2 | 5.6 | 14.5 | 2.2 | 1.9 | 100.0 |
| Nyambene | 10.1 | 17.4 | 25.5 | 6.3 | 5.2 | 0.0 | 18.2 | 3.4 | 0.9 | 1.8 | 5.1 | 0.2 | 5.9 | 100.0 |
| Nyanza Rural | 16.4 | 11.8 | 18.1 | 5.6 | 10.7 | 0.9 | 12.4 | 5.6 | 0.1 | 3.7 | 13.1 | 1.1 | 0.5 | 100.0 |
| Kisii | 23.4 | 8.7 | 23.8 | 6.3 | 6.0 | 0.3 | 13.3 | 2.1 | 0.1 | 3.3 | 12.4 | 0.2 | 0.2 | 100.0 |
| Kisumu | 14.0 | 11.2 | 13.1 | 8.9 | 12.2 | 1.2 | 17.6 | 4.7 | 0.7 | 3.9 | 9.6 | 1.3 | 1.7 | 100.0 |
| Siaya | 13.9 | 13.9 | 10.4 | 6.4 | 12.9 | 3.0 | 14.2 | 6.5 | 0.0 | 7.2 | 9.2 | 1.8 | 0.7 | 100.0 |
| Homa Bay | 10.8 | 25.1 | 12.0 | 6.2 | 10.9 | 0.3 | 20.5 | 4.1 | 0.0 | 4.0 | 5.3 | 0.5 | 0.3 | 100.0 |
| Migori | 7.9 | 11.3 | 23.5 | 3.1 | 6.8 | 0.0 | 6.7 | 8.4 | 0.2 | 2.4 | 27.3 | 1.9 | 0.5 | 100.0 |
| Nyamira | 26.1 | 8.2 | 18.9 | 5.6 | 15.0 | 0.9 | 11.4 | 4.8 | 0.0 | 2.7 | 5.7 | 0.4 | 0.2 | 100.0 |
| Rift Valley Rural | 15.4 | 16.1 | 15.8 | 6.0 | 12.9 | 1.0 | 11.2 | 3.5 | 0.2 | 3.1 | 12.2 | 1.4 | 1.2 | 100.0 |
| Kajiado | 10.9 | 12.9 | 14.5 | 4.9 | 13.9 | 1.1 | 20.3 | 3.4 | 0.6 | 2.1 | 11.8 | 1.0 | 2.7 | 100.0 |
| Kericho | 16.1 | 13.0 | 16.1 | 6.4 | 5.9 | 0.4 | 12.5 | 6.2 | 0.6 | 4.0 | 17.6 | 0.5 | 0.7 | 100.0 |
| Laikipia | 17.0 | 5.1 | 22.2 | 9.7 | 16.8 | 2.1 | 12.3 | 2.3 | 0.1 | 1.5 | 7.3 | 0.6 | 3.2 | 100.0 |
| Nakuru | 11.9 | 10.2 | 11.6 | 8.3 | 18.8 | 1.9 | 10.2 | 2.9 | 0.4 | 4.5 | 16.0 | 1.8 | 1.4 | 100.0 |
| Nandi | 18.0 | 7.1 | 14.6 | 7.6 | 14.8 | 1.4 | 16.0 | 6.8 | 0.2 | 2.7 | 7.6 | 1.8 | 1.4 | 100.0 |
| Narok | 11.7 | 9.4 | 24.1 | 4.2 | 11.6 | 1.1 | 13.3 | 2.7 | 0.0 | 4.1 | 15.3 | 0.5 | 2.0 | 100.0 |
| Bomet | 32.1 | 33.4 | 12.4 | 3.4 | 1.2 | 0.0 | 7.2 | 1.8 | 0.0 | 0.8 | 5.6 | 2.2 | 0.0 | 100.0 |
| Transmara | 5.4 | 59.1 | 16.8 | 1.7 | 5.7 | 0.0 | 3.2 | 1.9 | 0.0 | 0.8 | 3.2 | 2.2 | 0.1 | 100.0 |
| Baringo | 10.6 | 7.8 | 21.7 | 3.3 | 10.0 | 1.2 | 8.4 | 3.6 | 0.3 | 3.8 | 26.7 | 1.7 | 0.9 | 100.0 |
| Elgeyo-Marakwet | 17.8 | 22.6 | 21.0 | 7.4 | 7.3 | 0.1 | 13.3 | 1.6 | 0.0 | 2.4 | 5.5 | 0.4 | 0.5 | 100.0 |
| Trans Nzoia | 20.3 | 19.2 | 11.0 | 5.1 | 19.8 | 0.1 | 10.3 | 4.9 | 0.0 | 1.8 | 6.8 | 0.0 | 0.6 | 100.0 |
| Uasin Gishu | 17.4 | 14.0 | 15.7 | 8.5 | 15.0 | 0.6 | 11.3 | 4.0 | 0.0 | 5.0 | 5.1 | 2.6 | 0.8 | 100.0 |
| West Pokot | 13.2 | 18.6 | 17.7 | 2.5 | 16.7 | 0.8 | 6.9 | 2.7 | 0.0 | 1.0 | 18.3 | 1.2 | 0.4 | 100.0 |
| Western Rural | 16.7 | 13.0 | 9.4 | 5.1 | 13.1 | 0.3 | 11.8 | 5.3 | 0.2 | 4.0 | 18.1 | 1.3 | 1.5 | 100.0 |
| Bungoma | 19.2 | 18.5 | 8.5 | 3.7 | 16.4 | 0.1 | 8.0 | 4.5 | 0.4 | 3.0 | 16.1 | 0.9 | 0.6 | 100.0 |
| Busia | 14.9 | 7.9 | 9.8 | 4.5 | 9.1 | 0.3 | 15.1 | 9.2 | 0.1 | 2.6 | 25.6 | 0.3 | 0.7 | 100.0 |
| Kakamega | 15.6 | 6.0 | 11.7 | 6.0 | 9.5 | 0.4 | 13.9 | 5.0 | 0.0 | 5.8 | 21.8 | 2.2 | 2.1 | 100.0 |
| Vihiga | 15.2 | 23.6 | 5.1 | 6.3 | 19.5 | 0.6 | 12.2 | 4.7 | 0.2 | 2.6 | 6.6 | 0.7 | 2.6 | 100.0 |
| Total Rural | 16.5 | 16.2 | 14.5 | 6.6 | 12.8 | 1.2 | 11.8 | 3.6 | 0.4 | 3.4 | 9.8 | 1.3 | 1.9 | 100.0 |
| Total Urban | 12.1 | 9.5 | 10.2 | 6.4 | 11.9 | 17.5 | 8.1 | 7.6 | 1.8 | 4.2 | 6.0 | 3.8 | 0.9 | 100.0 |
| Nairobi | 13.5 | 10.5 | 9.1 | 5.6 | 12.1 | 17.2 | 8.0 | 9.5 | 1.2 | 4.3 | 3.2 | 5.0 | 0.8 | 100.0 |
| Mombasa | 7.3 | 4.4 | 11.4 | 8.3 | 9.5 | 25.4 | 9.4 | 3.6 | 4.0 | 4.1 | 10.5 | 1.1 | 1.1 | 100.0 |
| Kisumu | 13.4 | 8.6 | 8.9 | 8.8 | 11.3 | 12.4 | 7.1 | 6.2 | 7.5 | 3.3 | 10.5 | 1.8 | 0.2 | 100.0 |
| Nakuru | 8.6 | 14.6 | 9.9 | 6.6 | 7.9 | 16.9 | 9.2 | 5.4 | 1.0 | 4.4 | 10.8 | 3.3 | 1.2 | 100.0 |
| Other urban | 11.7 | 8.2 | 13.5 | 7.6 | 14.3 | 13.2 | 7.6 | 4.6 | 1.7 | 3.9 | 10.5 | 1.8 | 1.3 | 100.0 |
| Nation | 14.2 | 12.7 | 12.3 | 6.5 | 12.3 | 9.6 | 9.9 | 5.7 | 1.1 | 3.8 | 7.8 | 2.6 | 1.4 | 100.0 |

Annex 7.5a Expenditure distribution of Poor households by sex of household head

| | Male | | | Female | | | Female as a percent of Male | | |
|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------------|-------------|-------------|
| | Food(ksh) | Non-food (ksh) | Total(ksh) | Food(ksh) | Non-food (ksh) | Total(ksh) | Food | Non-food | Total |
| Central Rural | 3,465.4 | 812.5 | 4,277.9 | 2,487.0 | 474.8 | 2,961.8 | 71.8 | 58.4 | 69.2 |
| Kiambu | 4,178.0 | 1,248.4 | 5,426.4 | 2,759.5 | 510.6 | 3,270.1 | 66.0 | 40.9 | 60.3 |
| Kirinyaga | 3,051.7 | 826.4 | 3,878.1 | 2,042.8 | 411.4 | 2,454.1 | 66.9 | 49.8 | 63.3 |
| Muranga | 3,425.7 | 702.9 | 4,128.6 | 2,614.5 | 533.1 | 3,147.6 | 76.3 | 75.8 | 76.2 |
| Nyandarua | 3,513.9 | 671.2 | 4,185.1 | 2,528.6 | 465.2 | 2,993.8 | 72.0 | 69.3 | 71.5 |
| Nyeri | 3,116.1 | 585.1 | 3,701.2 | 2,107.0 | 355.3 | 2,462.2 | 67.6 | 60.7 | 66.5 |
| Coast Rural | 3,400.6 | 700.3 | 4,100.8 | 2,894.6 | 566.2 | 3,460.8 | 85.1 | 80.9 | 84.4 |
| Kilifi | 3,867.6 | 778.5 | 4,646.1 | 2,955.3 | 548.4 | 3,503.6 | 76.4 | 70.4 | 75.4 |
| Kwale | 2,879.3 | 503.6 | 3,383.0 | 3,347.6 | 825.0 | 4,172.6 | 116.3 | 163.8 | 123.3 |
| Lamu | 4,540.3 | 1,067.0 | 5,607.4 | 3,603.6 | 663.6 | 4,267.2 | 79.4 | 62.2 | 76.1 |
| Taita Taveta | 2,867.5 | 770.0 | 3,637.5 | 2,436.4 | 376.5 | 2,812.9 | 85.0 | 48.9 | 77.3 |
| Tana River | 4,128.3 | 1,605.9 | 5,734.2 | 3,900.4 | 1,302.9 | 5,203.3 | 94.5 | 81.1 | 90.7 |
| Eastern Rural | 3,302.7 | 641.7 | 3,944.4 | 2,691.9 | 557.2 | 3,249.1 | 81.5 | 86.8 | 82.4 |
| Mbeere | 2,726.2 | 579.9 | 3,306.1 | 1,882.5 | 485.1 | 2,367.7 | 69.1 | 83.7 | 71.6 |
| Embu | 2,806.8 | 611.4 | 3,418.2 | 1,708.5 | 303.3 | 2,011.8 | 60.9 | 49.6 | 58.9 |
| Kitui | 3,054.1 | 580.2 | 3,634.3 | 2,782.3 | 609.2 | 3,391.5 | 91.1 | 105.0 | 93.3 |
| Machakos | 3,326.3 | 595.6 | 3,921.9 | 3,263.6 | 712.6 | 3,976.2 | 98.1 | 119.6 | 101.4 |
| Meru | 3,081.6 | 876.9 | 3,958.5 | 2,117.5 | 524.4 | 2,641.9 | 68.7 | 59.8 | 66.7 |
| Makueni | 2,999.5 | 684.4 | 3,683.9 | 2,541.1 | 453.9 | 2,994.9 | 84.7 | 66.3 | 81.3 |
| Tharaka Nithi | 3,043.1 | 738.1 | 3,781.2 | 1,941.8 | 674.9 | 2,616.7 | 63.8 | 91.4 | 69.2 |
| Nyambene | 4,688.5 | 530.3 | 5,218.8 | 2,080.5 | 208.8 | 2,289.3 | 44.4 | 39.4 | 43.9 |
| Nyanza Rural | 3,183.5 | 644.0 | 3,827.5 | 2,039.0 | 368.7 | 2,407.7 | 64.0 | 57.3 | 62.9 |
| Kisii | 3,404.2 | 540.0 | 3,944.2 | 2,833.9 | 441.4 | 3,275.3 | 83.2 | 81.7 | 83.0 |
| Kisumu | 2,688.9 | 480.7 | 3,169.6 | 1,953.2 | 365.9 | 2,319.1 | 72.6 | 76.1 | 73.2 |
| Siaya | 2,864.4 | 574.1 | 3,438.5 | 1,789.2 | 249.9 | 2,039.1 | 62.5 | 43.5 | 59.3 |
| Homa Bay | 3,066.9 | 537.5 | 3,604.4 | 1,727.4 | 286.7 | 2,014.1 | 56.3 | 53.3 | 55.9 |
| Migori | 3,929.2 | 894.5 | 4,823.8 | 2,285.6 | 226.5 | 2,512.0 | 58.2 | 25.3 | 52.1 |
| Nyamira | 2,959.8 | 713.2 | 3,672.9 | 2,132.0 | 533.1 | 2,665.0 | 72.0 | 74.7 | 72.6 |
| Rift Valley Rural | 3,025.9 | 692.5 | 3,718.4 | 2,563.0 | 490.0 | 3,053.0 | 84.7 | 70.8 | 82.1 |
| Kajiado | 3,068.4 | 648.6 | 3,717.0 | 2,205.0 | 510.8 | 2,715.9 | 71.9 | 78.1 | 73.1 |
| Kericho | 2,862.9 | 654.8 | 3,517.7 | 2,072.2 | 365.1 | 2,437.3 | 72.4 | 55.8 | 69.3 |
| Laikipia | 4,172.7 | 913.2 | 5,085.9 | 2,985.6 | 515.1 | 3,500.6 | 71.6 | 56.4 | 68.8 |
| Nakuru | 2,818.4 | 674.2 | 3,492.6 | 2,378.6 | 416.0 | 2,794.7 | 84.4 | 61.7 | 80.0 |
| Nandi | 3,020.4 | 732.5 | 3,752.9 | 2,746.5 | 519.0 | 3,265.5 | 90.9 | 70.9 | 87.0 |
| Narok | 3,272.6 | 629.6 | 3,902.3 | 3,001.7 | 778.8 | 3,780.5 | 91.7 | 123.7 | 96.9 |
| Bomet | 3,004.0 | 629.4 | 3,633.5 | 2,354.4 | 285.4 | 2,639.8 | 78.4 | 45.3 | 72.7 |
| Transmara | 3,092.1 | 645.5 | 3,737.5 | 2,100.4 | 426.7 | 2,527.0 | 67.9 | 66.1 | 67.6 |
| Baringo | 3,109.9 | 721.8 | 3,831.7 | 2,779.3 | 535.1 | 3,314.5 | 89.4 | 74.1 | 86.5 |
| Elgeyo-Marakwet | 3,696.0 | 920.5 | 4,616.4 | 2,961.6 | 657.9 | 3,619.4 | 80.1 | 71.5 | 78.4 |
| Trans Nzoia | 2,728.3 | 618.3 | 3,346.6 | 2,994.8 | 521.5 | 3,516.2 | 109.8 | 84.3 | 105.1 |
| Uasin Gishu | 3,866.0 | 1,054.4 | 4,920.4 | 3,276.5 | 847.3 | 4,123.8 | 84.8 | 80.4 | 83.8 |
| West Pokot | 2,375.5 | 495.1 | 2,870.6 | 1,874.8 | 351.7 | 2,226.5 | 78.9 | 71.0 | 77.6 |
| Western Rural | 3,045.4 | 683.6 | 3,729.0 | 2,279.9 | 433.7 | 2,713.7 | 74.9 | 63.4 | 72.8 |
| Bungoma | 3,666.7 | 885.5 | 4,552.2 | 2,463.9 | 467.8 | 2,931.7 | 67.2 | 52.8 | 64.4 |
| Busia | 2,644.4 | 475.7 | 3,120.1 | 1,939.4 | 390.1 | 2,329.6 | 73.3 | 82.0 | 74.7 |
| Kakamega | 2,823.6 | 702.8 | 3,526.4 | 2,217.3 | 402.5 | 2,619.7 | 78.5 | 57.3 | 74.3 |
| Vihiga | 2,961.7 | 575.6 | 3,537.2 | 2,445.2 | 479.0 | 2,924.2 | 82.6 | 83.2 | 82.7 |
| Total Rural | 3,188.5 | 683.7 | 3,872.2 | 2,405.2 | 463.0 | 2,868.2 | 75.4 | 67.7 | 74.1 |
| Total Urban | 4,034.2 | 2,217.3 | 6,251.5 | 4,001.9 | 2,212.4 | 6,214.3 | 99.2 | 99.8 | 99.4 |
| Nairobi | 3,995.4 | 2,542.4 | 6,537.8 | 4,360.2 | 2,650.3 | 7,010.5 | 109.1 | 104.2 | 107.2 |
| Mombasa | 3,927.2 | 1,779.0 | 5,706.2 | 4,613.9 | 1,198.7 | 5,812.6 | 117.5 | 67.4 | 101.9 |
| Kisumu | 3,817.7 | 2,486.2 | 6,303.9 | 3,831.3 | 2,110.9 | 5,942.2 | 100.4 | 84.9 | 94.3 |
| Nakuru | 4,649.9 | 2,582.5 | 7,232.4 | 3,668.4 | 2,503.8 | 6,172.2 | 78.9 | 97.0 | 85.3 |
| Other urban | 4,069.2 | 1,753.4 | 5,822.6 | 3,179.2 | 1,617.6 | 4,796.8 | 78.1 | 92.3 | 82.4 |
| Nation | 3,361.7 | 997.9 | 4,359.6 | 2,665.5 | 748.1 | 3,413.6 | 79.3 | 75.0 | 78.3 |

Annex 7.5b Expenditure distribution of Non-Poor households by sex of household head

| | Male | | | Female | | | Female as a percent of Male | | |
|--------------------------|----------------|-----------------|-----------------|----------------|----------------|-----------------|-----------------------------|-------------|-------------|
| | Food(ksh) | Non-food (ksh) | Total(ksh) | Food(ksh) | Non-food (ksh) | Total(ksh) | food | Non-food | Total |
| Central Rural | 6,584.6 | 3,911.6 | 10,496.2 | 5,294.1 | 1,853.8 | 7,147.9 | 80.4 | 47.4 | 68.1 |
| Kiambu | 6,822.2 | 5,455.3 | 12,277.6 | 5,946.3 | 2,675.9 | 8,622.1 | 87.2 | 49.1 | 70.2 |
| Kirinyaga | 6,413.6 | 2,599.9 | 9,013.5 | 4,925.4 | 1,380.8 | 6,306.3 | 76.8 | 53.1 | 70.0 |
| Muranga | 6,860.9 | 2,861.0 | 9,721.9 | 5,127.8 | 1,499.9 | 6,627.7 | 74.7 | 52.4 | 68.2 |
| Nyandarua | 6,669.2 | 3,301.6 | 9,970.8 | 5,862.9 | 1,927.6 | 7,790.5 | 87.9 | 58.4 | 78.1 |
| Nyeri | 5,907.0 | 3,301.1 | 9,208.1 | 4,905.7 | 1,824.6 | 6,730.3 | 83.0 | 55.3 | 73.1 |
| Coast Rural | 5,716.3 | 2,774.5 | 8,490.8 | 5,427.9 | 1,818.0 | 7,245.9 | 95.0 | 65.5 | 85.3 |
| Kilifi | 5,361.7 | 3,148.5 | 8,510.2 | 5,044.2 | 2,397.7 | 7,441.9 | 94.1 | 76.2 | 87.4 |
| Kwale | 5,337.9 | 2,307.4 | 7,645.3 | 5,172.4 | 1,149.7 | 6,322.1 | 96.9 | 49.8 | 82.7 |
| Lamu | 6,898.0 | 2,429.9 | 9,327.9 | 5,164.1 | 1,045.3 | 6,209.4 | 74.9 | 43.0 | 66.6 |
| Taita Taveta | 5,054.5 | 3,054.8 | 8,109.3 | 5,468.9 | 2,389.4 | 7,858.3 | 108.2 | 78.2 | 96.9 |
| Tana River | 12,275.6 | 1,898.0 | 14,173.6 | 8,550.9 | 2,062.3 | 10,613.2 | 69.7 | 108.7 | 74.9 |
| Eastern Rural | 7,005.0 | 2,598.2 | 9,603.2 | 5,381.4 | 1,812.5 | 7,193.9 | 76.8 | 69.8 | 74.9 |
| Mbeere | 5,362.0 | 1,958.8 | 7,320.8 | 5,047.5 | 2,262.3 | 7,309.8 | 94.1 | 115.5 | 99.8 |
| Embu | 6,529.2 | 2,574.1 | 9,103.3 | 4,329.4 | 2,627.4 | 6,956.9 | 66.3 | 102.1 | 76.4 |
| Kitui | 6,121.2 | 2,651.5 | 8,772.7 | 5,329.4 | 1,587.9 | 6,917.2 | 82.1 | 59.9 | 78.8 |
| Machakos | 6,477.3 | 3,999.3 | 10,476.6 | 5,976.2 | 2,533.1 | 8,509.3 | 92.3 | 63.3 | 81.2 |
| Meru | 7,111.1 | 2,850.8 | 9,961.8 | 4,259.5 | 1,080.2 | 5,339.7 | 59.9 | 37.9 | 53.6 |
| Makueni | 6,087.6 | 2,366.5 | 8,454.2 | 5,805.6 | 2,341.3 | 8,146.9 | 95.4 | 98.9 | 96.4 |
| Tharaka Nithi | 7,387.5 | 1,816.2 | 9,203.7 | 3,953.9 | 390.8 | 4,344.7 | 53.5 | 21.5 | 47.2 |
| Nyambene | 8,798.8 | 1,975.5 | 10,774.3 | 5,817.4 | 1,307.5 | 7,124.9 | 66.1 | 66.2 | 66.1 |
| Nyanza Rural | 5,805.4 | 2,332.7 | 8,138.0 | 4,401.8 | 1,208.8 | 5,610.6 | 75.8 | 51.8 | 68.9 |
| Kisii | 7,043.4 | 1,968.5 | 9,011.9 | 6,087.1 | 1,100.6 | 7,187.6 | 86.4 | 55.9 | 79.8 |
| Kisumu | 5,287.0 | 2,079.1 | 7,366.1 | 4,909.0 | 1,410.2 | 6,319.2 | 92.8 | 67.8 | 85.8 |
| Siaya | 5,213.3 | 1,762.7 | 6,976.0 | 3,637.8 | 851.9 | 4,489.7 | 69.8 | 48.3 | 64.4 |
| Homa Bay | 5,595.4 | 2,790.4 | 8,385.9 | 3,269.0 | 1,094.2 | 4,363.3 | 58.4 | 39.2 | 52.0 |
| Migori | 6,306.8 | 2,960.0 | 9,266.8 | 4,419.7 | 968.4 | 5,388.1 | 70.1 | 32.7 | 58.1 |
| Nyamira | 5,217.0 | 2,410.7 | 7,627.7 | 4,847.2 | 2,303.9 | 7,151.1 | 92.9 | 95.6 | 93.8 |
| Rift Valley Rural | 6,261.3 | 2,821.5 | 9,082.7 | 4,926.3 | 1,699.1 | 6,625.4 | 78.7 | 60.2 | 72.9 |
| Kajiado | 8,822.8 | 3,203.5 | 12,026.2 | 5,702.1 | 1,453.1 | 7,155.2 | 64.6 | 45.4 | 59.5 |
| Kericho | 5,314.0 | 1,793.5 | 7,107.5 | 3,892.1 | 1,363.3 | 5,255.4 | 73.2 | 76.0 | 73.9 |
| Laikipia | 6,142.2 | 1,780.5 | 7,922.7 | 4,909.4 | 1,406.1 | 6,315.5 | 79.9 | 79.0 | 79.7 |
| Nakuru | 4,699.7 | 2,617.8 | 7,317.5 | 4,469.6 | 1,266.1 | 5,735.7 | 95.1 | 48.4 | 78.4 |
| Nandi | 5,634.4 | 2,588.7 | 8,223.1 | 5,396.2 | 1,560.8 | 6,956.9 | 95.8 | 60.3 | 84.6 |
| Narok | 6,083.2 | 2,917.2 | 9,000.3 | 5,177.8 | 2,487.0 | 7,664.8 | 85.1 | 85.3 | 85.2 |
| Bomet | 8,100.0 | 3,822.3 | 11,922.3 | 5,255.8 | 884.0 | 6,139.7 | 64.9 | 23.1 | 51.5 |
| Transmara | 7,834.8 | 4,827.7 | 12,662.5 | 4,724.1 | 2,077.8 | 6,801.9 | 60.3 | 43.0 | 53.7 |
| Baringo | 6,919.0 | 3,198.8 | 10,117.8 | 5,514.9 | 2,475.4 | 7,990.4 | 79.7 | 77.4 | 79.0 |
| Elgeyo-Marakwet | 6,020.6 | 2,736.0 | 8,756.6 | 5,092.4 | 1,904.1 | 6,996.4 | 84.6 | 69.6 | 79.9 |
| Trans Nzoia | 6,215.1 | 2,516.8 | 8,731.9 | 5,986.2 | 4,028.8 | 10,014.9 | 96.3 | 160.1 | 114.7 |
| Uasin Gishu | 7,617.2 | 3,522.1 | 11,139.3 | 6,307.5 | 1,781.1 | 8,088.7 | 82.8 | 50.6 | 72.6 |
| West Pokot | 5,558.4 | 3,710.6 | 9,268.9 | 4,210.9 | 1,263.2 | 5,474.1 | 75.8 | 34.0 | 59.1 |
| Western Rural | 5,680.0 | 2,295.7 | 7,975.7 | 4,957.0 | 1,620.6 | 6,577.6 | 87.3 | 70.6 | 82.5 |
| Bungoma | 6,252.4 | 2,667.3 | 8,919.7 | 5,645.9 | 2,419.8 | 8,065.6 | 90.3 | 90.7 | 90.4 |
| Busia | 5,212.0 | 2,050.0 | 7,262.0 | 4,693.3 | 1,777.4 | 6,470.7 | 90.0 | 86.7 | 89.1 |
| Kakamega | 5,118.4 | 2,225.2 | 7,343.6 | 4,574.0 | 1,437.9 | 6,011.8 | 89.4 | 64.6 | 81.9 |
| Vihiga | 6,440.4 | 1,958.6 | 8,399.0 | 5,214.3 | 1,256.9 | 6,471.3 | 81.0 | 64.2 | 77.0 |
| Total Rural | 6,303.4 | 2,949.7 | 9,253.1 | 4,984.7 | 1,635.1 | 6,619.8 | 79.1 | 55.4 | 71.5 |
| Total Urban | 7,733.3 | 11,112.9 | 18,846.2 | 5,528.3 | 5,245.9 | 10,774.3 | 71.5 | 47.2 | 57.2 |
| Nairobi | 8,441.4 | 15,739.0 | 24,180.4 | 4,836.8 | 6,197.5 | 11,034.3 | 57.3 | 39.4 | 45.6 |
| Mombasa | 8,070.4 | 8,040.0 | 16,110.4 | 6,837.7 | 6,780.8 | 13,618.4 | 84.7 | 84.3 | 84.5 |
| Kisumu | 6,441.5 | 7,285.8 | 13,727.3 | 5,356.7 | 4,506.5 | 9,863.2 | 83.2 | 61.9 | 71.9 |
| Nakuru | 6,424.3 | 6,607.3 | 13,031.6 | 5,294.0 | 6,056.8 | 11,350.7 | 82.4 | 91.7 | 87.1 |
| Other urban | 6,794.2 | 6,725.4 | 13,519.7 | 5,632.3 | 4,108.8 | 9,741.1 | 82.9 | 61.1 | 72.1 |
| Nation | 6,647.5 | 4,914.4 | 11,561.9 | 5,058.1 | 2,122.4 | 7,180.5 | 76.1 | 43.2 | 62.1 |

Annex 8.1a Distribution of Poor households by main source of Cooking fuel (%)

| | N | Firewood | Charcoal | Paraffin | Gas | Electricity | Crop residue/ sawdust | Animal waste | Other | Total |
|--------------------------|------------------|-------------|-------------|-------------|------------|-------------|--------------------------|-----------------|------------|--------------|
| Central Rural | 213,415 | 94.9 | 2.8 | 0.9 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 100.0 |
| Kiambu | 47,638 | 90.6 | 1.2 | 1.9 | 0.0 | 0.0 | 6.4 | 0.0 | 0.0 | 100.0 |
| Kirinyaga | 31,824 | 97.0 | 2.1 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Muranga | 72,627 | 99.1 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyandarua | 19,158 | 88.1 | 11.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyeri | 42,169 | 94.0 | 6.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Coast Rural | 134,155 | 98.1 | 1.5 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kilifi | 58,978 | 99.2 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kwale | 43,218 | 97.2 | 1.5 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Lamu | 3,615 | 91.1 | 8.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Taita Taveta | 26,169 | 98.4 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Tana River | 2,175 | 94.2 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 377,733 | 97.9 | 1.5 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 100.0 |
| Mbeere | 15,846 | 88.6 | 11.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Embu | 20,709 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kitui | 76,346 | 98.2 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Machakos | 83,626 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Meru | 25,521 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Makueni | 71,554 | 96.8 | 1.7 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 100.0 |
| Tharaka Nithi | 31,516 | 95.6 | 0.0 | 2.8 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyambene | 52,615 | 97.6 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyanza Rural | 497,006 | 98.2 | 1.3 | 0.2 | 0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 100.0 |
| Kisii | 65,271 | 99.7 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kisumu | 71,967 | 95.0 | 4.0 | 0.3 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 100.0 |
| Siaya | 91,266 | 98.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Homa Bay | 80,198 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Migori | 75,268 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyamira | 113,035 | 96.7 | 1.9 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Rift Valley Rural | 479,823 | 97.5 | 1.6 | 0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 100.0 |
| Kajiado | 13,788 | 95.5 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kericho | 61,268 | 99.6 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Laikipia | 14,567 | 89.0 | 9.0 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nakuru | 80,657 | 90.9 | 5.2 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 100.0 |
| Nandi | 60,715 | 99.1 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Narok | 21,876 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Bomet | 55,982 | 97.7 | 1.8 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Transmara | 24,135 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Baringo | 23,878 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Elgeyo-Marakwet | 21,499 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Trans Nzoia | 44,555 | 98.8 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 27,228 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| West Pokot | 29,676 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Western Rural | 307,028 | 97.7 | 0.8 | 0.0 | 0.0 | 0.4 | 1.1 | 0.0 | 0.0 | 100.0 |
| Bungoma | 67,223 | 98.6 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Busia | 55,085 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kakamega | 110,185 | 94.5 | 1.3 | 0.0 | 0.0 | 1.1 | 3.0 | 0.0 | 0.0 | 100.0 |
| Vihiga | 74,535 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Total Rural | 2,009,160 | 97.5 | 1.5 | 0.4 | 0.1 | 0.1 | 0.3 | 0.0 | 0.0 | 100.0 |
| Total Urban | 478,552 | 7.6 | 23.7 | 67.1 | 1.0 | 0.6 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nairobi | 231,043 | 1.4 | 5.8 | 91.7 | 0.6 | 0.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Mombasa | 52,127 | 14.7 | 12.8 | 70.7 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kisumu | 30,796 | 7.7 | 44.5 | 43.6 | 2.5 | 1.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nakuru | 26,378 | 7.8 | 21.7 | 70.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Other urban | 138,208 | 15.4 | 53.4 | 29.1 | 1.2 | 0.9 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nation | 2,487,712 | 80.2 | 5.8 | 13.2 | 0.3 | 0.2 | 0.3 | 0.0 | 0.0 | 100.0 |

Annex 8.1b Distribution of Non-Poor households by main source of Cooking fuel (%)

| | N | Firewood | Charcoal | Kerosine/oil | Gas | Electricity | Crop residue/ sawdust | Animal waste | Other | Total |
|--------------------------|------------------|-------------|-------------|--------------|-------------|-------------|--------------------------|--------------|------------|--------------|
| Central Rural | 623,638 | 81.9 | 6.9 | 8.7 | 0.9 | 0.3 | 1.3 | 0.1 | 0.0 | 100.0 |
| Kiambu | 197,563 | 73.0 | 9.3 | 11.1 | 2.2 | 0.5 | 3.8 | 0.0 | 0.0 | 100.0 |
| Kirinyaga | 73,429 | 90.5 | 1.5 | 7.1 | 0.0 | 0.0 | 0.4 | 0.4 | 0.0 | 100.0 |
| Muranga | 153,243 | 90.7 | 1.9 | 6.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyandarua | 66,341 | 80.3 | 16.5 | 2.3 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyeri | 133,062 | 81.2 | 7.4 | 11.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Coast Rural | 126,826 | 67.3 | 20.6 | 11.6 | 0.1 | 0.2 | 0.0 | 0.0 | 0.3 | 100.0 |
| Kilifi | 52,939 | 55.1 | 23.0 | 21.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 100.0 |
| Kwale | 41,687 | 73.6 | 22.3 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Lamu | 8,899 | 72.0 | 21.0 | 5.4 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Taita Taveta | 17,859 | 77.4 | 15.6 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Tana River | 5,442 | 95.4 | 0.0 | 2.3 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 334,615 | 90.8 | 5.6 | 2.8 | 0.5 | 0.0 | 0.0 | 0.0 | 0.3 | 100.0 |
| Mbeere | 20,600 | 71.5 | 28.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Embu | 17,988 | 98.5 | 0.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kitui | 49,894 | 83.7 | 11.3 | 2.5 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Machakos | 58,285 | 96.8 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Meru | 46,402 | 97.9 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Makueni | 39,869 | 73.1 | 18.4 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Tharaka Nithi | 36,357 | 91.4 | 0.0 | 4.9 | 1.4 | 0.0 | 0.0 | 0.0 | 2.3 | 100.0 |
| Nyambene | 65,219 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyanza Rural | 388,033 | 91.7 | 5.9 | 1.8 | 0.1 | 0.4 | 0.1 | 0.0 | 0.0 | 100.0 |
| Kisii | 59,503 | 95.8 | 1.7 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kisumu | 46,959 | 83.4 | 13.6 | 1.7 | 0.6 | 0.2 | 0.5 | 0.0 | 0.0 | 100.0 |
| Siaya | 92,867 | 88.1 | 8.9 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Homa Bay | 31,936 | 92.6 | 5.0 | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 100.0 |
| Migori | 81,664 | 98.1 | 0.9 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyamira | 75,103 | 90.7 | 6.8 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Rift Valley Rural | 614,652 | 84.3 | 8.2 | 7.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 100.0 |
| Kajiado | 44,261 | 82.1 | 5.9 | 11.4 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kericho | 66,075 | 97.0 | 2.1 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Laikipia | 44,960 | 87.4 | 11.7 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nakuru | 141,996 | 62.4 | 18.6 | 18.3 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nandi | 42,638 | 92.6 | 5.2 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Narok | 27,452 | 73.5 | 6.9 | 19.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Bomet | 39,883 | 98.9 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Transmara | 20,832 | 98.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 100.0 |
| Baringo | 52,117 | 86.7 | 4.2 | 9.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Elgeyo-Marakwet | 31,333 | 98.2 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Trans Nzoia | 40,056 | 90.7 | 9.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 45,556 | 90.1 | 8.3 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| West Pokot | 17,493 | 98.3 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Western Rural | 273,161 | 89.0 | 6.5 | 1.9 | 0.9 | 0.0 | 1.7 | 0.0 | 0.0 | 100.0 |
| Bungoma | 71,658 | 95.5 | 1.9 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Busia | 35,952 | 92.5 | 3.2 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kakamega | 113,193 | 79.8 | 13.4 | 1.7 | 1.1 | 0.0 | 4.0 | 0.0 | 0.0 | 100.0 |
| Vihiga | 52,359 | 97.5 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Total Rural | 2,360,925 | 85.4 | 7.6 | 5.7 | 0.5 | 0.2 | 0.5 | 0.0 | 0.1 | 100.0 |
| Total Urban | 635,328 | 2.2 | 19.6 | 58.8 | 14.7 | 4.5 | 0.0 | 0.0 | 0.2 | 100.0 |
| Nairobi | 271,771 | 0.6 | 6.2 | 63.8 | 22.0 | 7.4 | 0.0 | 0.0 | 0.0 | 100.0 |
| Mombasa | 106,004 | 1.5 | 16.8 | 68.4 | 12.5 | 0.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kisumu | 22,947 | 1.3 | 45.7 | 45.6 | 6.7 | 0.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nakuru | 52,963 | 2.8 | 20.4 | 64.2 | 12.2 | 0.4 | 0.0 | 0.0 | 0.0 | 100.0 |
| Other urban | 181,643 | 4.8 | 37.6 | 46.0 | 6.9 | 4.1 | 0.0 | 0.0 | 0.6 | 100.0 |
| Nation | 2,996,253 | 67.8 | 10.1 | 17.0 | 3.5 | 1.1 | 0.4 | 0.0 | 0.1 | 100.0 |

Annex 8.2a Distribution of poor households by main source of Lighting fuel (%)

| | N | Paraffin | Gas | Electricity | Candles | Firewood | Other | Total |
|--------------------------|------------------|-------------|------------|-------------|------------|------------|------------|--------------|
| Central Rural | 213,415 | 97.9 | 0.2 | 1.6 | 0.0 | 0.4 | 0.0 | 100.0 |
| Kiambu | 47,638 | 95.3 | 0.0 | 4.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kirinyaga | 31,824 | 97.2 | 1.1 | 0.0 | 0.0 | 1.7 | 0.0 | 100.0 |
| Muranga | 72,627 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyandarua | 19,158 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyeri | 42,169 | 96.6 | 0.0 | 2.7 | 0.0 | 0.7 | 0.0 | 100.0 |
| Coast Rural | 134,155 | 98.0 | 0.0 | 0.1 | 0.0 | 1.8 | 0.1 | 100.0 |
| Kilifi | 58,978 | 95.9 | 0.0 | 0.0 | 0.0 | 4.1 | 0.0 | 100.0 |
| Kwale | 43,218 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Lamu | 3,615 | 98.1 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 100.0 |
| Taita Taveta | 26,169 | 99.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 100.0 |
| Tana River | 2,775 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 377,733 | 92.1 | 0.6 | 0.4 | 0.6 | 5.6 | 0.6 | 100.0 |
| Mbeere | 15,846 | 72.8 | 11.4 | 3.2 | 0.0 | 12.6 | 0.0 | 100.0 |
| Embu | 20,709 | 94.1 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 100.0 |
| Kitui | 76,346 | 82.6 | 0.7 | 0.4 | 3.0 | 13.2 | 0.0 | 100.0 |
| Machakos | 83,626 | 98.1 | 0.0 | 0.7 | 0.0 | 1.2 | 0.0 | 100.0 |
| Meru | 25,521 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Makueni | 71,554 | 97.3 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 100.0 |
| Tharaka Nithi | 31,516 | 80.3 | 0.0 | 0.0 | 0.0 | 12.3 | 7.4 | 100.0 |
| Nyambene | 52,615 | 97.7 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 100.0 |
| Nyanza Rural | 497,006 | 99.7 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 | 100.0 |
| Kisii | 65,271 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kisumu | 71,967 | 99.1 | 0.0 | 0.4 | 0.0 | 0.5 | 0.0 | 100.0 |
| Siaya | 91,266 | 99.6 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 100.0 |
| Homa Bay | 80,198 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Migori | 75,268 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyamira | 113,035 | 99.4 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 100.0 |
| Rift Valley Rural | 479,823 | 90.5 | 0.3 | 0.2 | 0.3 | 8.6 | 0.1 | 100.0 |
| Kajiado | 13,788 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kericho | 61,268 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Laikipia | 14,567 | 88.3 | 0.0 | 0.0 | 0.0 | 11.7 | 0.0 | 100.0 |
| Nakuru | 80,657 | 98.3 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 100.0 |
| Nandi | 60,715 | 99.5 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Narok | 21,876 | 83.0 | 0.0 | 0.0 | 0.0 | 17.0 | 0.0 | 100.0 |
| Bomet | 55,982 | 93.1 | 2.3 | 0.0 | 0.0 | 4.6 | 0.0 | 100.0 |
| Transmara | 24,135 | 90.2 | 0.0 | 0.0 | 0.0 | 9.8 | 0.0 | 100.0 |
| Baringo | 23,878 | 70.0 | 0.0 | 2.2 | 5.1 | 22.7 | 0.0 | 100.0 |
| Elgeyo-Marakwet | 21,499 | 66.7 | 0.0 | 1.4 | 1.0 | 29.2 | 1.7 | 100.0 |
| Trans Nzoia | 44,555 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 27,228 | 97.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 100.0 |
| West Pokot | 29,676 | 41.9 | 0.0 | 0.0 | 0.0 | 58.1 | 0.0 | 100.0 |
| Western Rural | 307,028 | 99.2 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Bungoma | 67,223 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Busia | 55,085 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kakamega | 110,185 | 97.7 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 100.0 |
| Vihiga | 74,535 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Total Rural | 2,009,160 | 95.7 | 0.2 | 0.5 | 0.2 | 3.3 | 0.1 | 100.0 |
| Total Urban | 478,552 | 78.8 | 0.0 | 21.2 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nairobi | 231,043 | 78.8 | 0.0 | 21.2 | 0.0 | 0.0 | 0.0 | 100.0 |
| Mombasa | 52,127 | 82.4 | 0.0 | 17.6 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kisumu | 30,796 | 90.8 | 0.6 | 8.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nakuru | 26,378 | 73.2 | 0.0 | 26.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Other urban | 138,208 | 75.8 | 0.0 | 24.2 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nation | 2,487,712 | 92.4 | 0.2 | 4.4 | 0.2 | 2.7 | 0.1 | 100.0 |

Annex 8.2b Distribution of Non-poor households by main source of lighting Fuel (%)

| | N | Paraffin | Gas | Electricity | Candles | Firewood | Other | Total |
|--------------------------|------------------|-------------|------------|-------------|------------|------------|------------|--------------|
| Central Rural | 623,638 | 91.2 | 0.1 | 7.8 | 0.0 | 0.3 | 0.6 | 100.0 |
| Kiambu | 197,563 | 82.8 | 0.0 | 15.8 | 0.0 | 0.8 | 0.6 | 100.0 |
| Kirinyaga | 73,429 | 96.5 | 0.0 | 3.4 | 0.0 | 0.0 | 0.1 | 100.0 |
| Muranga | 153,243 | 98.6 | 0.0 | 1.0 | 0.0 | 0.1 | 0.3 | 100.0 |
| Nyandarua | 66,341 | 94.4 | 0.2 | 3.1 | 0.0 | 0.3 | 2.0 | 100.0 |
| Nyeri | 133,062 | 90.8 | 0.3 | 8.4 | 0.0 | 0.0 | 0.5 | 100.0 |
| Coast Rural | 126,826 | 89.7 | 0.1 | 9.1 | 0.0 | 1.1 | 0.0 | 100.0 |
| Kilifi | 52,939 | 78.6 | 0.0 | 18.8 | 0.0 | 2.7 | 0.0 | 100.0 |
| Kwale | 41,687 | 99.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Lamu | 8,899 | 90.5 | 1.7 | 7.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Taita Taveta | 17,859 | 97.3 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Tana River | 5,442 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 334,615 | 92.4 | 1.0 | 1.7 | 0.1 | 3.7 | 1.1 | 100.0 |
| Mbeere | 20,600 | 79.0 | 16.3 | 0.0 | 0.0 | 4.6 | 0.0 | 100.0 |
| Embu | 17,988 | 95.5 | 0.0 | 2.4 | 0.0 | 0.0 | 2.1 | 100.0 |
| Kitui | 49,894 | 87.1 | 0.0 | 1.3 | 0.6 | 11.0 | 0.0 | 100.0 |
| Machakos | 58,285 | 96.5 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Meru | 46,402 | 95.7 | 0.0 | 1.6 | 0.0 | 0.0 | 2.7 | 100.0 |
| Makueni | 39,869 | 96.9 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 100.0 |
| Tharaka Nithi | 36,357 | 78.3 | 0.0 | 1.1 | 0.0 | 15.0 | 5.6 | 100.0 |
| Nyambene | 65,219 | 99.1 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 100.0 |
| Nyanza Rural | 388,033 | 97.6 | 0.1 | 1.7 | 0.0 | 0.4 | 0.2 | 100.0 |
| Kisii | 59,503 | 99.1 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 100.0 |
| Kisumu | 46,959 | 96.9 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 100.0 |
| Siaya | 92,867 | 98.4 | 0.6 | 0.7 | 0.0 | 0.3 | 0.0 | 100.0 |
| Homa Bay | 31,936 | 97.6 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 100.0 |
| Migori | 81,664 | 99.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 100.0 |
| Nyamira | 75,103 | 94.2 | 0.0 | 5.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Rift Valley Rural | 614,652 | 91.4 | 0.0 | 3.2 | 0.0 | 4.5 | 0.9 | 100.0 |
| Kajiado | 44,261 | 95.5 | 0.0 | 3.6 | 0.0 | 0.5 | 0.5 | 100.0 |
| Kericho | 66,075 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Laikipia | 44,960 | 95.1 | 0.0 | 1.7 | 0.0 | 2.2 | 1.0 | 100.0 |
| Nakuru | 141,996 | 90.3 | 0.0 | 8.8 | 0.0 | 0.4 | 0.5 | 100.0 |
| Nandi | 42,638 | 99.3 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 100.0 |
| Narok | 27,452 | 70.4 | 0.0 | 2.7 | 0.0 | 13.5 | 13.4 | 100.0 |
| Bomet | 39,883 | 97.1 | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 100.0 |
| Transmara | 20,832 | 95.7 | 0.0 | 0.0 | 0.0 | 4.3 | 0.0 | 100.0 |
| Baringo | 52,117 | 74.2 | 0.0 | 5.6 | 0.0 | 20.2 | 0.0 | 100.0 |
| Elgeyo-Marakwet | 31,333 | 85.6 | 0.0 | 2.3 | 0.5 | 10.8 | 0.8 | 100.0 |
| Trans Nzoia | 40,056 | 98.5 | 0.0 | 1.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 45,556 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| West Pokot | 17,493 | 64.8 | 0.0 | 0.0 | 0.0 | 35.2 | 0.0 | 100.0 |
| Western Rural | 273,161 | 98.1 | 0.0 | 1.5 | 0.0 | 0.5 | 0.0 | 100.0 |
| Bungoma | 71,658 | 97.9 | 0.0 | 1.6 | 0.0 | 0.5 | 0.0 | 100.0 |
| Busia | 35,955 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kakamega | 113,193 | 97.8 | 0.0 | 1.3 | 0.0 | 0.9 | 0.0 | 100.0 |
| Vihiga | 52,359 | 97.5 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Total Rural | 2,360,925 | 93.2 | 0.2 | 4.1 | 0.0 | 2.0 | 0.6 | 100.0 |
| Total Urban | 635,328 | 48.3 | 0.3 | 51.1 | 0.0 | 0.0 | 0.2 | 100.0 |
| Nairobi | 271,771 | 39.6 | 0.5 | 59.9 | 0.0 | 0.0 | 0.0 | 100.0 |
| Mombasa | 106,004 | 52.4 | 0.6 | 47.1 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kisumu | 22,947 | 63.5 | 0.0 | 35.0 | 0.0 | 0.0 | 1.5 | 100.0 |
| Nakuru | 52,963 | 58.0 | 0.0 | 42.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Other urban | 181,643 | 54.2 | 0.1 | 44.9 | 0.0 | 0.1 | 0.6 | 100.0 |
| Nation | 2,996,253 | 83.7 | 0.2 | 14.0 | 0.0 | 1.6 | 0.5 | 100.0 |

Annex 8.3 Mean monthly expenditure on Cooking and lighting fuel (ksh)

| | Poor | | | | | | | Non-Poor | | | | | | |
|--------------------------|------------------|-------------|------------|-------------|--------------|-------------|-------------|------------------|--------------|--------------|-------------|--------------|--------------|-------------|
| | N | Electric | Gas | Firewood | Paraffin | Charcoal | Water | N | Electric | Gas | Firewood | Paraffin | Charcoal | Water |
| Central Rural | 213,415 | 4.3 | 0.0 | 35.6 | 70.6 | 15.2 | 0.4 | 623,638 | 104.8 | 15.5 | 78.8 | 102.4 | 61.4 | 2.6 |
| Kiambu | 47,638 | 16.2 | 0.0 | 70.5 | 76.8 | 26.7 | 0.8 | 197,563 | 45.0 | 34.5 | 91.3 | 103.2 | 90.4 | 3.1 |
| Kirinyaga | 31,824 | 0.0 | 0.0 | 25.5 | 58.6 | 2.7 | 0.5 | 73,429 | 46.4 | 4.2 | 60.9 | 88.2 | 19.2 | 4.1 |
| Muranga | 72,627 | 0.0 | 0.0 | 12.5 | 80.6 | 6.8 | 0.1 | 153,243 | 1.3 | 3.9 | 56.5 | 105.0 | 34.9 | 1.6 |
| Nyandarua | 19,158 | 0.0 | 0.0 | 10.1 | 72.5 | 43.5 | 0.0 | 66,341 | 740.4 | 0.0 | 41.3 | 89.8 | 86.6 | 0.0 |
| Nyeri | 42,169 | 1.3 | 0.0 | 51.3 | 51.3 | 11.0 | 0.7 | 133,062 | 8.9 | 12.1 | 119.0 | 113.8 | 54.6 | 3.8 |
| Coast Rural | 134,155 | 0.3 | 0.9 | 8.3 | 79.6 | 2.4 | 5.7 | 126,826 | 8.5 | 0.5 | 14.1 | 113.2 | 28.6 | 17.3 |
| Kilifi | 58,978 | 0.0 | 0.0 | 0.0 | 95.1 | 0.3 | 7.5 | 52,939 | 18.9 | 0.0 | 11.7 | 149.3 | 42.4 | 24.8 |
| Kwale | 43,218 | 0.0 | 0.0 | 16.5 | 46.6 | 3.3 | 3.6 | 41,687 | 0.0 | 0.0 | 20.8 | 63.6 | 17.1 | 15.0 |
| Lamu | 3,615 | 10.0 | 0.0 | 11.5 | 247.2 | 23.2 | 15.1 | 8,899 | 9.8 | 6.9 | 12.4 | 223.4 | 46.1 | 19.0 |
| Taita Taveta | 26,169 | 0.0 | 5.9 | 18.2 | 65.1 | 2.5 | 2.7 | 17,859 | 0.0 | 0.0 | 12.5 | 97.7 | 15.6 | 6.6 |
| Tana River | 2,175 | 0.0 | 0.0 | 3.0 | 66.3 | 7.1 | 0.1 | 5,442 | 0.0 | 0.0 | 0.0 | 30.5 | 2.6 | 0.0 |
| Eastern Rural | 377,733 | 0.1 | 0.0 | 4.6 | 56.4 | 2.1 | 0.4 | 334,615 | 4.2 | 1.9 | 17.9 | 85.1 | 22.0 | 2.5 |
| Mbeere | 15,846 | 0.0 | 0.0 | 0.0 | 50.4 | 0.7 | 0.0 | 20,600 | 8.2 | 0.0 | 2.7 | 112.0 | 11.9 | 1.4 |
| Embu | 20,709 | 3.0 | 0.0 | 6.2 | 61.8 | 2.3 | 1.1 | 17,988 | 4.4 | 0.0 | 20.0 | 109.2 | 9.5 | 6.8 |
| Kitui | 76,346 | 0.0 | 0.0 | 2.2 | 47.1 | 1.9 | 0.1 | 49,894 | 3.1 | 1.5 | 3.2 | 70.9 | 9.0 | 3.2 |
| Machakos | 83,626 | 0.0 | 0.0 | 0.1 | 67.3 | 0.0 | 0.8 | 58,285 | 14.3 | 9.2 | 0.4 | 96.7 | 13.8 | 2.6 |
| Meru | 25,521 | 0.0 | 0.0 | 15.2 | 60.9 | 11.6 | 0.1 | 46,402 | 3.8 | 0.0 | 42.6 | 88.7 | 52.6 | 0.0 |
| Makueni | 71,554 | 0.0 | 0.0 | 9.3 | 49.1 | 0.1 | 0.0 | 39,869 | 0.0 | 0.0 | 10.7 | 89.7 | 24.8 | 0.9 |
| Tharaka Nithi | 31,516 | 0.0 | 0.0 | 0.0 | 43.1 | 0.0 | 1.2 | 36,357 | 0.0 | 0.0 | 55.9 | 66.4 | 7.0 | 1.0 |
| Nyambene | 52,615 | 0.0 | 0.0 | 7.0 | 66.7 | 5.9 | 0.3 | 65,219 | 0.0 | 0.0 | 20.2 | 78.1 | 29.6 | 3.8 |
| Nyanza Rural | 497,006 | 0.0 | 0.0 | 7.8 | 54.6 | 2.9 | 0.3 | 388,033 | 1.5 | 0.2 | 15.2 | 82.0 | 20.3 | 0.8 |
| Kisii | 65,271 | 0.0 | 0.0 | 22.1 | 61.5 | 3.1 | 0.4 | 59,503 | 0.0 | 1.1 | 9.9 | 82.1 | 14.7 | 0.4 |
| Kisumu | 71,967 | 0.2 | 0.0 | 9.2 | 66.4 | 7.8 | 1.9 | 46,959 | 4.4 | 0.0 | 31.0 | 99.2 | 49.1 | 4.3 |
| Siaya | 91,266 | 0.0 | 0.0 | 2.0 | 44.7 | 4.0 | 0.1 | 92,867 | 0.3 | 0.0 | 7.0 | 68.2 | 31.4 | 0.0 |
| Homa Bay | 80,198 | 0.0 | 0.0 | 4.9 | 43.8 | 4.3 | 0.0 | 31,936 | 0.0 | 0.0 | 8.8 | 84.0 | 19.9 | 0.0 |
| Migori | 75,268 | 0.0 | 0.0 | 1.9 | 54.7 | 0.0 | 0.0 | 81,664 | 0.0 | 0.0 | 1.3 | 67.4 | 9.1 | 1.0 |
| Nyamira | 113,035 | 0.0 | 0.0 | 8.0 | 56.5 | 1.0 | 0.0 | 75,103 | 4.7 | 0.0 | 38.1 | 101.2 | 11.7 | 0.1 |
| Rift Valley Rural | 479,823 | 0.6 | 0.0 | 10.8 | 66.0 | 8.5 | 0.2 | 614,652 | 14.6 | 0.9 | 26.5 | 97.9 | 36.9 | 1.5 |
| Kajiado | 13,788 | 0.0 | 0.0 | 3.0 | 61.3 | 0.0 | 0.0 | 44,261 | 18.2 | 0.0 | 5.1 | 99.8 | 24.9 | 5.1 |
| Kericho | 61,268 | 0.0 | 0.0 | 3.3 | 63.6 | 0.4 | 0.0 | 66,075 | 0.0 | 0.0 | 0.5 | 108.2 | 15.6 | 2.2 |
| Laikipia | 14,567 | 0.0 | 0.0 | 1.2 | 54.5 | 13.1 | 0.1 | 44,960 | 1.6 | 0.1 | 47.9 | 80.9 | 51.8 | 0.5 |
| Nakuru | 80,657 | 0.0 | 0.0 | 17.3 | 72.9 | 36.2 | 1.3 | 141,996 | 4.9 | 1.8 | 30.6 | 105.3 | 74.8 | 3.5 |
| Nandi | 60,715 | 4.3 | 0.0 | 1.5 | 68.1 | 4.1 | 0.0 | 42,638 | 93.7 | 0.0 | 1.2 | 101.8 | 31.5 | 1.0 |
| Narok | 21,876 | 0.0 | 0.0 | 0.0 | 71.2 | 0.0 | 0.0 | 27,452 | 0.0 | 0.0 | 0.0 | 77.8 | 23.5 | 0.0 |
| Bomet | 55,982 | 0.0 | 0.0 | 0.0 | 87.9 | 0.0 | 0.0 | 39,883 | 0.0 | 0.0 | 14.0 | 109.9 | 3.1 | 0.0 |
| Transmara | 24,135 | 0.0 | 0.0 | 0.0 | 34.0 | 0.0 | 0.0 | 20,832 | 0.0 | 0.0 | 0.0 | 74.9 | 0.0 | 0.0 |
| Baringo | 23,878 | 0.0 | 0.0 | 0.7 | 51.1 | 2.3 | 0.0 | 52,117 | 0.0 | 0.0 | 5.3 | 77.8 | 26.6 | 2.0 |
| Elgeyo-Marakwet | 21,499 | 0.0 | 0.0 | 17.0 | 74.0 | 10.2 | 0.0 | 31,333 | 102.5 | 0.8 | 35.4 | 106.9 | 27.0 | 0.2 |
| Trans Nzoia | 44,555 | 0.0 | 0.0 | 19.6 | 62.6 | 4.4 | 0.1 | 40,056 | 2.5 | 0.0 | 40.1 | 93.6 | 50.1 | 0.0 |
| Uasin Gishu | 27,228 | 0.0 | 0.0 | 72.6 | 85.1 | 11.4 | 0.4 | 45,556 | 0.0 | 5.5 | 114.2 | 115.1 | 54.4 | 0.0 |
| West Pokot | 29,676 | 0.0 | 0.0 | 0.0 | 23.2 | 7.0 | 0.0 | 17,493 | 0.0 | 0.0 | 0.0 | 70.3 | 10.1 | 0.0 |
| Western Rural | 307,028 | 0.0 | 0.0 | 2.8 | 47.7 | 2.9 | 0.2 | 273,161 | 2.5 | 0.0 | 17.7 | 79.1 | 16.5 | 1.3 |
| Bungoma | 67,223 | 0.0 | 0.0 | 3.0 | 44.0 | 0.5 | 0.8 | 71,658 | 2.5 | 0.0 | 4.8 | 88.1 | 13.2 | 3.1 |
| Busia | 55,085 | 0.0 | 0.0 | 0.0 | 51.2 | 0.5 | 0.2 | 35,952 | 9.4 | 0.0 | 0.0 | 76.7 | 16.0 | 0.8 |
| Kakamega | 110,185 | 0.0 | 0.0 | 4.1 | 48.0 | 3.8 | 0.0 | 113,193 | 0.0 | 0.0 | 35.1 | 72.4 | 21.5 | 0.0 |
| Vihiga | 74,535 | 0.0 | 0.0 | 2.8 | 49.0 | 6.3 | 0.0 | 52,359 | 3.3 | 0.0 | 15.9 | 78.9 | 12.4 | 1.1 |
| Total Rural | 2,009,160 | 0.6 | 0.1 | 9.9 | 60.2 | 5.3 | 0.7 | 2,360,925 | 31.2 | 4.4 | 34.4 | 93.0 | 35.0 | 2.7 |
| Total Urban | 478,552 | 20.3 | 8.6 | 9.3 | 180.4 | 90.8 | 23.0 | 635,328 | 433.9 | 163.3 | 5.1 | 207.1 | 136.7 | 69.1 |
| Nairobi | 231,043 | 9.7 | 12.7 | 0.0 | 227.4 | 51.7 | 17.8 | 271,771 | 635.2 | 229.2 | 4.2 | 182.0 | 96.1 | 61.7 |
| Mombasa | 52,127 | 25.9 | 6.7 | 5.1 | 184.3 | 32.4 | 52.7 | 106,004 | 381.0 | 121.9 | 3.5 | 372.1 | 167.2 | 117.6 |
| Kisumu | 30,796 | 21.6 | 3.2 | 21.1 | 137.5 | 204.1 | 58.1 | 22,947 | 252.2 | 67.6 | 0.1 | 154.5 | 273.3 | 189.1 |
| Nakuru | 26,378 | 84.8 | 0.0 | 38.1 | 174.5 | 153.4 | 11.5 | 52,963 | 157.9 | 85.5 | 9.3 | 172.0 | 155.9 | 26.9 |
| Other urban | 138,208 | 22.9 | 5.5 | 17.9 | 110.1 | 140.2 | 14.0 | 181,643 | 215.3 | 110.0 | 7.4 | 161.5 | 163.2 | 44.5 |
| Nation | 2,487,712 | 3.6 | 1.3 | 9.8 | 78.1 | 18.0 | 4.0 | 2,996,253 | 97.2 | 30.5 | 29.6 | 111.7 | 51.7 | 13.6 |

Annex 8.4a Ownership of assets in poor households (%)

| Region | N | Sewing machine | Sofa-set | Bicycle | Hand-cart | Motor-cycle | Radio | Fridge | Stove | TV | Phone | Stereo cassette | Fan | Car |
|--------------------------|------------------|----------------|-------------|-------------|------------|-------------|-------------|------------|------------|-------------|------------|-----------------|------------|------------|
| Central Rural | 213,415 | 3.7 | 16.9 | 15.3 | 4.8 | 0.2 | 52.4 | 0.3 | 0.0 | 1.2 | 0.0 | 1.3 | 0.0 | 0.0 |
| Kiambu | 47,638 | 6.2 | 31.9 | 7.7 | 11.6 | 1.0 | 55.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kirinyaga | 31,824 | 6.4 | 16.1 | 34.4 | 14.8 | 0.0 | 43.1 | 0.0 | 0.0 | 2.3 | 0.0 | 5.5 | 0.0 | 0.0 |
| Muranga | 72,627 | 1.8 | 10.1 | 15.9 | 0.0 | 0.0 | 52.4 | 1.0 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nyandarua | 19,158 | 6.7 | 15.3 | 15.5 | 0.0 | 0.0 | 58.2 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nyeri | 42,169 | 0.9 | 13.1 | 8.4 | 0.0 | 0.0 | 53.5 | 0.0 | 0.0 | 1.0 | 0.0 | 2.4 | 0.0 | 0.0 |
| Coast Rural | 134,155 | 3.7 | 4.8 | 19.4 | 0.2 | 0.7 | 35.1 | 0.4 | 0.9 | 1.0 | 0.4 | 2.3 | 0.0 | 2.1 |
| Kilifi | 58,978 | 3.7 | 2.0 | 21.6 | 0.0 | 0.0 | 31.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 |
| Kwale | 43,218 | 1.0 | 4.7 | 19.8 | 0.6 | 1.8 | 29.9 | 0.0 | 2.4 | 1.8 | 0.8 | 2.9 | 0.0 | 6.6 |
| Lamu | 3,615 | 4.2 | 2.3 | 21.2 | 0.0 | 0.0 | 31.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Taita Taveta | 26,169 | 8.6 | 12.3 | 12.8 | 0.0 | 0.7 | 51.6 | 2.0 | 0.8 | 2.0 | 0.8 | 4.5 | 0.0 | 0.0 |
| Tana River | 2,175 | 0.0 | 0.0 | 26.6 | 0.0 | 0.0 | 47.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Eastern Rural | 377,733 | 3.3 | 6.9 | 20.3 | 3.6 | 0.0 | 48.1 | 0.6 | 3.5 | 0.1 | 0.0 | 3.3 | 0.0 | 0.0 |
| Mbeere | 15,846 | 8.0 | 6.4 | 14.5 | 2.2 | 0.0 | 36.4 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 |
| Embu | 20,709 | 6.8 | 11.5 | 34.3 | 13.9 | 0.0 | 45.0 | 0.0 | 0.0 | 1.0 | 0.0 | 1.3 | 0.0 | 0.0 |
| Kitui | 76,346 | 2.8 | 2.8 | 26.4 | 0.7 | 0.0 | 36.5 | 0.0 | 1.6 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 |
| Machakos | 83,626 | 4.8 | 10.3 | 18.0 | 2.9 | 0.0 | 61.7 | 0.5 | 11.8 | 0.0 | 0.0 | 5.3 | 0.0 | 0.0 |
| Meru | 25,521 | 2.3 | 17.2 | 10.1 | 1.3 | 0.0 | 60.4 | 0.0 | 4.1 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 |
| Makueni | 71,554 | 4.0 | 9.5 | 22.5 | 8.6 | 0.0 | 50.9 | 2.6 | 1.2 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 |
| Tharaka Nithi | 31,516 | 0.0 | 2.8 | 26.3 | 0.0 | 0.0 | 46.5 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 0.0 | 0.0 |
| Nyambene | 52,615 | 0.0 | 0.0 | 10.0 | 1.6 | 0.0 | 39.6 | 0.0 | 0.0 | 0.0 | 0.0 | 7.1 | 0.0 | 0.0 |
| Nyanza Rural | 497,006 | 2.3 | 11.4 | 21.5 | 1.4 | 0.3 | 43.5 | 0.2 | 0.6 | 0.2 | 0.0 | 0.8 | 0.1 | 0.5 |
| Kisii | 65,271 | 2.4 | 4.9 | 6.4 | 2.1 | 0.0 | 44.8 | 0.1 | 0.4 | 0.3 | 0.0 | 1.3 | 0.0 | 0.0 |
| Kisumu | 71,967 | 2.6 | 17.6 | 23.7 | 0.0 | 0.3 | 45.1 | 0.5 | 0.5 | 0.1 | 0.0 | 0.6 | 0.0 | 0.0 |
| Siaya | 91,266 | 2.9 | 21.8 | 35.3 | 0.5 | 1.7 | 37.0 | 0.8 | 1.6 | 0.0 | 0.0 | 1.6 | 0.5 | 2.1 |
| Homa Bay | 80,198 | 4.3 | 13.6 | 21.9 | 1.0 | 0.0 | 43.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| Migori | 75,268 | 1.0 | 10.7 | 45.9 | 3.3 | 0.0 | 42.2 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nyamira | 113,035 | 1.0 | 1.7 | 1.2 | 1.5 | 0.0 | 48.2 | 0.0 | 0.7 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 |
| Rift Valley Rural | 479,823 | 1.7 | 6.6 | 15.3 | 0.9 | 0.3 | 42.6 | 0.2 | 0.4 | 0.8 | 0.0 | 0.8 | 0.0 | 0.1 |
| Kajiado | 13,788 | 1.5 | 10.1 | 8.7 | 0.0 | 0.0 | 32.8 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kericho | 61,268 | 0.0 | 0.7 | 5.6 | 0.0 | 0.0 | 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Laikipia | 14,567 | 2.2 | 14.8 | 43.1 | 3.8 | 0.0 | 47.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nakuru | 80,657 | 3.3 | 20.3 | 19.0 | 2.7 | 0.0 | 52.1 | 0.0 | 1.7 | 1.1 | 0.0 | 3.4 | 0.0 | 0.0 |
| Nandi | 60,715 | 1.3 | 3.4 | 19.1 | 0.0 | 0.5 | 47.9 | 0.3 | 0.5 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| Narok | 21,876 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 45.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bomet | 55,982 | 0.4 | 2.3 | 6.3 | 0.3 | 1.4 | 43.3 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Transmara | 24,135 | 0.0 | 0.0 | 13.7 | 3.4 | 0.0 | 17.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Baringo | 23,878 | 3.0 | 9.9 | 23.7 | 0.0 | 0.0 | 48.5 | 0.0 | 0.7 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 |
| Elgeyo-Marakwet | 21,499 | 1.4 | 8.0 | 13.2 | 0.0 | 1.4 | 38.8 | 0.0 | 0.0 | 1.4 | 0.0 | 3.1 | 0.0 | 0.0 |
| Trans Nzoia | 44,555 | 3.9 | 4.7 | 23.0 | 0.0 | 0.0 | 43.5 | 0.6 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| Uasin Gishu | 27,228 | 1.7 | 5.8 | 29.1 | 3.1 | 0.0 | 49.9 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.3 |
| West Pokot | 29,676 | 2.2 | 0.0 | 6.5 | 0.0 | 0.0 | 20.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Western Rural | 307,028 | 3.9 | 8.5 | 30.0 | 1.4 | 0.2 | 51.3 | 0.0 | 3.3 | 2.0 | 0.2 | 1.2 | 0.0 | 0.0 |
| Bungoma | 67,223 | 2.1 | 4.4 | 40.1 | 0.6 | 0.6 | 44.9 | 0.0 | 0.4 | 0.4 | 0.7 | 1.0 | 0.0 | 0.0 |
| Busia | 55,085 | 5.0 | 7.4 | 39.9 | 0.0 | 0.7 | 38.6 | 0.0 | 1.8 | 0.8 | 0.0 | 1.0 | 0.0 | 0.0 |
| Kakamega | 110,185 | 5.7 | 14.7 | 35.3 | 2.1 | 0.0 | 53.9 | 0.0 | 8.2 | 3.5 | 0.0 | 2.4 | 0.0 | 0.0 |
| Vihiga | 74,535 | 2.0 | 4.1 | 5.6 | 2.1 | 0.0 | 62.4 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Rural | 2,009,160 | 2.8 | 9.1 | 20.3 | 2.0 | 0.3 | 45.7 | 0.3 | 1.5 | 0.7 | 0.1 | 1.5 | 0.0 | 0.3 |
| Total Urban | 478,552 | 7.9 | 33.3 | 12.5 | 0.1 | 0.0 | 64.5 | 2.2 | 6.2 | 10.7 | 1.3 | 2.9 | 0.8 | 0.6 |
| Nairobi | 231,043 | 3.8 | 25.4 | 3.7 | 0.0 | 0.0 | 61.0 | 0.6 | 2.9 | 9.2 | 1.3 | 0.0 | 0.0 | 0.0 |
| Mombasa | 52,127 | 10.7 | 19.7 | 16.1 | 0.0 | 0.0 | 61.3 | 11.0 | 5.7 | 15.1 | 1.9 | 3.5 | 3.9 | 0.0 |
| Kisumu | 30,796 | 14.4 | 42.0 | 23.0 | 0.0 | 0.0 | 76.1 | 2.0 | 4.1 | 9.4 | 2.1 | 1.1 | 1.6 | 2.9 |
| Nakuru | 26,378 | 25.8 | 60.1 | 27.1 | 0.0 | 0.6 | 66.5 | 0.7 | 3.8 | 12.4 | 3.2 | 21.0 | 0.0 | 1.6 |
| Other urban | 138,208 | 8.9 | 44.5 | 20.9 | 0.5 | 0.0 | 68.5 | 2.1 | 12.6 | 11.3 | 0.4 | 4.6 | 0.9 | 1.1 |
| Nation | 2,487,712 | 3.8 | 13.8 | 18.8 | 1.6 | 0.2 | 49.3 | 0.7 | 2.4 | 2.6 | 0.3 | 1.8 | 0.2 | 0.4 |

Annex 8.4b Ownership of assets in Non-poor households (%)

| | N | Sewing machine | Sofa-set | Bicycle | Hand- cart | Motor- cycle | Radio | Fridge | Stove | TV | Phone | Stereo cassette | Fan | Car |
|--------------------------|------------------|-------------------|-------------|-------------|---------------|-----------------|-------------|-------------|-------------|-------------|-------------|--------------------|------------|-------------|
| Central Rural | 623,638 | 9.4 | 40.0 | 20.8 | 3.0 | 0.3 | 69.3 | 1.9 | 6.5 | 11.6 | 0.9 | 4.6 | 0.5 | 2.9 |
| Kiambu | 197,563 | 12.1 | 59.7 | 18.4 | 5.6 | 0.3 | 80.7 | 3.1 | 11.9 | 21.4 | 1.5 | 3.7 | 0.6 | 3.5 |
| Kirinyaga | 73,429 | 8.8 | 40.0 | 32.7 | 8.4 | 0.0 | 56.4 | 1.3 | 2.8 | 9.6 | 1.0 | 9.2 | 0.0 | 2.0 |
| Muranga | 153,243 | 5.9 | 23.8 | 17.5 | 0.3 | 0.4 | 63.3 | 0.7 | 5.3 | 5.2 | 0.8 | 2.1 | 0.0 | 2.0 |
| Nyandarua | 66,341 | 8.2 | 26.6 | 31.7 | 1.0 | 0.0 | 57.2 | 1.7 | 1.6 | 4.3 | 0.9 | 3.2 | 0.5 | 3.5 |
| Nyeri | 133,062 | 10.2 | 36.3 | 16.3 | 0.2 | 0.5 | 72.4 | 2.1 | 4.4 | 9.3 | 0.2 | 6.7 | 1.1 | 3.2 |
| Coast Rural | 126,826 | 9.0 | 13.7 | 24.9 | 0.3 | 0.3 | 59.3 | 0.8 | 0.8 | 3.6 | 0.3 | 1.5 | 1.3 | 0.1 |
| Kilifi | 52,939 | 10.4 | 10.8 | 29.2 | 0.4 | 0.0 | 55.6 | 1.2 | 0.0 | 4.5 | 0.0 | 0.4 | 2.3 | 0.0 |
| Kwale | 41,687 | 3.2 | 14.1 | 20.7 | 0.0 | 1.0 | 53.6 | 0.0 | 1.2 | 2.8 | 0.0 | 1.2 | 1.0 | 0.0 |
| Lamu | 8,899 | 11.3 | 8.8 | 42.7 | 1.2 | 0.0 | 66.9 | 2.5 | 0.8 | 0.8 | 0.8 | 3.6 | 0.8 | 0.0 |
| Taita Taveta | 17,859 | 20.1 | 26.2 | 16.9 | 0.0 | 0.0 | 81.5 | 1.0 | 2.3 | 5.6 | 1.9 | 4.6 | 0.0 | 0.9 |
| Tana River | 5,442 | 0.0 | 4.6 | 12.0 | 0.0 | 0.0 | 54.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Eastern Rural | 334,615 | 7.7 | 25.3 | 31.6 | 7.9 | 0.3 | 61.3 | 0.0 | 5.9 | 4.4 | 0.7 | 7.1 | 0.0 | 1.7 |
| Mbeere | 20,600 | 13.1 | 33.9 | 30.5 | 3.8 | 0.0 | 66.3 | 0.0 | 2.4 | 11.3 | 0.0 | 9.7 | 0.0 | 0.0 |
| Embu | 17,988 | 7.1 | 44.7 | 49.2 | 18.0 | 0.0 | 70.8 | 0.0 | 8.6 | 20.1 | 1.2 | 5.3 | 0.0 | 0.0 |
| Kitui | 49,894 | 8.6 | 16.4 | 48.1 | 4.0 | 0.0 | 54.6 | 0.0 | 7.3 | 2.2 | 0.0 | 0.6 | 0.0 | 0.4 |
| Machakos | 58,285 | 8.8 | 37.3 | 34.8 | 18.2 | 1.0 | 74.5 | 0.0 | 20.7 | 4.3 | 3.9 | 4.8 | 0.0 | 6.7 |
| Meru | 46,402 | 9.9 | 49.2 | 20.7 | 9.6 | 0.0 | 78.6 | 0.3 | 1.2 | 4.5 | 0.0 | 1.8 | 0.0 | 1.1 |
| Makueni | 39,869 | 12.2 | 25.9 | 44.1 | 11.5 | 0.0 | 57.2 | 0.0 | 3.1 | 3.6 | 0.0 | 3.8 | 0.0 | 1.1 |
| Tharaka Nithi | 36,357 | 5.4 | 5.4 | 34.7 | 0.0 | 1.2 | 46.1 | 0.0 | 1.1 | 2.2 | 0.0 | 15.4 | 0.0 | 0.0 |
| Nyambene | 65,219 | 1.3 | 6.8 | 10.1 | 1.3 | 0.0 | 49.1 | 0.0 | 0.0 | 1.1 | 0.0 | 14.9 | 0.0 | 1.1 |
| Nyanza Rural | 388,033 | 7.6 | 25.0 | 27.0 | 2.7 | 0.8 | 55.9 | 0.8 | 1.6 | 3.7 | 0.4 | 1.6 | 0.1 | 0.6 |
| Kisii | 59,503 | 9.2 | 13.1 | 13.2 | 6.3 | 0.0 | 63.2 | 0.3 | 0.7 | 9.4 | 0.0 | 3.0 | 0.0 | 0.3 |
| Kisumu | 46,959 | 9.8 | 34.1 | 30.8 | 1.3 | 0.0 | 62.2 | 2.1 | 1.6 | 5.2 | 1.8 | 0.7 | 0.0 | 0.0 |
| Siaya | 92,867 | 10.5 | 38.9 | 49.3 | 2.6 | 0.6 | 58.5 | 1.1 | 0.6 | 0.6 | 0.6 | 2.2 | 0.6 | 1.1 |
| Homa Bay | 31,936 | 9.1 | 37.7 | 30.6 | 4.2 | 0.0 | 57.2 | 0.0 | 3.2 | 4.6 | 0.0 | 4.2 | 0.0 | 1.3 |
| Migori | 81,664 | 5.4 | 19.7 | 27.8 | 3.1 | 3.1 | 39.9 | 1.1 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| Nyamira | 75,103 | 3.1 | 12.2 | 5.8 | 0.0 | 0.0 | 59.8 | 0.0 | 0.5 | 5.7 | 0.0 | 0.7 | 0.0 | 0.0 |
| Rift Valley Rural | 614,652 | 3.5 | 20.7 | 26.6 | 1.3 | 0.6 | 59.9 | 0.9 | 1.6 | 6.8 | 0.8 | 4.8 | 0.2 | 2.1 |
| Kajiado | 44,261 | 2.6 | 24.6 | 23.9 | 2.1 | 0.0 | 60.4 | 3.2 | 2.2 | 6.6 | 0.0 | 0.0 | 0.6 | 3.7 |
| Kericho | 66,075 | 0.9 | 7.7 | 7.9 | 0.0 | 0.9 | 48.1 | 0.6 | 0.0 | 3.8 | 1.2 | 0.6 | 0.0 | 0.0 |
| Laikipia | 44,960 | 2.9 | 19.6 | 45.3 | 3.7 | 0.0 | 69.3 | 0.6 | 1.2 | 6.1 | 0.6 | 1.6 | 0.0 | 1.2 |
| Nakuru | 141,996 | 5.9 | 37.2 | 30.3 | 2.5 | 0.7 | 67.3 | 0.9 | 1.8 | 11.6 | 1.3 | 15.1 | 0.2 | 3.0 |
| Nandi | 42,638 | 3.6 | 12.5 | 25.0 | 1.2 | 0.7 | 58.3 | 0.0 | 1.2 | 5.1 | 1.8 | 0.4 | 0.4 | 2.7 |
| Narok | 27,452 | 0.0 | 16.5 | 7.5 | 0.0 | 0.0 | 58.0 | 0.0 | 9.4 | 2.7 | 0.0 | 5.4 | 0.0 | 1.3 |
| Bomet | 39,883 | 0.0 | 10.3 | 22.7 | 0.0 | 0.0 | 51.5 | 0.0 | 0.0 | 9.9 | 1.0 | 0.0 | 0.0 | 0.0 |
| Transmara | 20,832 | 0.0 | 4.9 | 12.5 | 0.0 | 0.0 | 31.9 | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 4.9 |
| Baringo | 52,117 | 2.6 | 17.5 | 16.6 | 0.0 | 1.3 | 58.7 | 0.0 | 0.0 | 4.7 | 0.0 | 9.1 | 0.0 | 1.7 |
| Elgeyo-Marakwet | 31,333 | 2.4 | 17.5 | 21.1 | 0.0 | 0.9 | 56.6 | 0.7 | 2.3 | 5.7 | 0.5 | 0.0 | 0.0 | 0.5 |
| Trans Nzoia | 40,056 | 10.5 | 17.3 | 49.5 | 0.5 | 0.7 | 65.0 | 0.8 | 2.1 | 3.4 | 0.8 | 0.0 | 0.8 | 0.0 |
| Uasin Gishu | 45,556 | 4.7 | 24.9 | 50.1 | 2.7 | 1.1 | 74.9 | 3.2 | 2.4 | 7.8 | 0.1 | 0.1 | 0.1 | 5.3 |
| West Pokot | 17,493 | 0.0 | 9.6 | 11.6 | 0.0 | 0.0 | 37.3 | 0.0 | 1.1 | 2.8 | 0.0 | 1.7 | 1.7 | 1.1 |
| Western Rural | 273,161 | 11.0 | 29.3 | 39.2 | 1.8 | 0.2 | 67.9 | 0.7 | 7.8 | 5.1 | 1.6 | 3.1 | 0.0 | 0.5 |
| Bungoma | 71,658 | 10.0 | 22.7 | 49.0 | 3.8 | 0.0 | 63.2 | 1.0 | 1.0 | 2.9 | 0.0 | 2.4 | 0.0 | 0.5 |
| Busia | 35,952 | 8.4 | 18.6 | 58.7 | 1.6 | 0.0 | 62.1 | 0.0 | 4.7 | 6.2 | 0.0 | 7.6 | 0.0 | 0.0 |
| Kakamega | 113,193 | 12.9 | 34.5 | 37.7 | 0.9 | 0.0 | 71.3 | 0.0 | 15.4 | 7.2 | 2.6 | 3.6 | 0.0 | 0.8 |
| Vihiga | 52,359 | 10.1 | 34.6 | 15.8 | 1.3 | 1.0 | 71.0 | 2.5 | 2.5 | 2.5 | 2.5 | 0.0 | 0.0 | 0.0 |
| Total Rural | 2,360,925 | 7.5 | 27.8 | 27.2 | 2.9 | 0.4 | 62.8 | 1.0 | 4.2 | 6.8 | 0.8 | 4.1 | 0.3 | 1.7 |
| Total Urban | 635,328 | 17.6 | 59.4 | 17.1 | 2.3 | 0.6 | 76.8 | 19.1 | 29.8 | 35.7 | 13.7 | 15.7 | 8.9 | 14.0 |
| Nairobi | 271,771 | 20.2 | 58.5 | 11.9 | 3.6 | 0.4 | 76.7 | 26.2 | 39.5 | 42.9 | 21.6 | 16.5 | 6.8 | 23.8 |
| Mombasa | 106,004 | 27.3 | 62.3 | 20.6 | 3.2 | 0.3 | 80.0 | 25.4 | 20.2 | 40.7 | 12.8 | 15.4 | 27.4 | 8.6 |
| Kisumu | 22,947 | 20.2 | 60.1 | 29.5 | 1.5 | 1.5 | 72.1 | 11.7 | 18.2 | 34.4 | 5.1 | 22.3 | 6.2 | 5.9 |
| Nakuru | 52,963 | 8.6 | 67.7 | 23.1 | 0.0 | 0.4 | 69.2 | 9.2 | 23.0 | 22.1 | 6.3 | 25.8 | 1.4 | 4.8 |
| Other urban | 181,643 | 10.2 | 56.7 | 19.4 | 0.4 | 1.0 | 78.0 | 8.5 | 24.4 | 26.1 | 5.7 | 10.9 | 3.8 | 6.1 |
| Nation | 2,996,253 | 9.6 | 34.5 | 25.1 | 2.8 | 0.5 | 65.8 | 4.8 | 9.6 | 13.0 | 3.5 | 6.6 | 2.1 | 4.3 |

Annex 8.5a Distribution of households by dwelling ownership (%)

| | Poor | | | | | | Non-Poor | | | | | |
|--------------------------|------------------|-------------|-------------|---------------------------|-----------------------|--------------|------------------|-------------|-------------|---------------------------|-----------------------|--------------|
| | N | Owns | Rents | Neither owns nor rents | Nomadic/ temporary | All | N | Owns | Rents | neither owns nor rents | Nomadic/ temporary | All |
| Central Rural | 213,415 | 92.1 | 4.1 | 3.8 | 0.0 | 100.0 | 621,334 | 83.8 | 8.4 | 7.9 | 0.0 | 100.0 |
| Kiambu | 47,638 | 82.9 | 6.3 | 10.7 | 0.0 | 100.0 | 196,386 | 77.4 | 9.3 | 13.3 | 0.0 | 100.0 |
| Kirinyaga | 31,824 | 94.8 | 5.2 | 0.0 | 0.0 | 100.0 | 72,303 | 88.1 | 10.3 | 1.6 | 0.0 | 100.0 |
| Muranga | 72,627 | 98.6 | 0.0 | 1.4 | 0.0 | 100.0 | 153,243 | 91.2 | 1.9 | 6.9 | 0.0 | 100.0 |
| Nyandarua | 19,158 | 85.2 | 12.6 | 2.2 | 0.0 | 100.0 | 66,341 | 83.8 | 12.8 | 3.4 | 0.0 | 100.0 |
| Nyeri | 42,169 | 92.6 | 4.0 | 3.4 | 0.0 | 100.0 | 133,062 | 82.3 | 11.2 | 6.6 | 0.0 | 100.0 |
| Coast Rural | 134,010 | 91.1 | 2.8 | 5.8 | 0.3 | 100.0 | 126,702 | 62.4 | 18.2 | 17.0 | 2.4 | 100.0 |
| Kilifi | 58,978 | 90.7 | 2.3 | 7.0 | 0.0 | 100.0 | 52,939 | 50.8 | 18.9 | 30.3 | 0.0 | 100.0 |
| Kwale | 43,218 | 91.9 | 3.6 | 3.6 | 0.8 | 100.0 | 41,687 | 72.1 | 23.1 | 4.8 | 0.0 | 100.0 |
| Lamu | 3,615 | 56.8 | 9.8 | 33.4 | 0.0 | 100.0 | 8,899 | 64.7 | 16.8 | 18.6 | 0.0 | 100.0 |
| Taita Taveta | 26,169 | 96.1 | 1.1 | 2.8 | 0.0 | 100.0 | 17,859 | 79.8 | 9.6 | 10.6 | 0.0 | 100.0 |
| Tana River | 2,030 | 81.3 | 12.5 | 6.2 | 0.0 | 100.0 | 5,318 | 38.9 | 4.8 | 0.0 | 56.4 | 100.0 |
| Eastern Rural | 377,733 | 97.7 | 1.7 | 0.6 | 0.0 | 100.0 | 332,281 | 91.9 | 5.7 | 2.3 | 0.0 | 100.0 |
| Mbeere | 15,846 | 90.4 | 6.4 | 3.2 | 0.0 | 100.0 | 20,600 | 69.0 | 21.1 | 9.8 | 0.0 | 100.0 |
| Embu | 20,709 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 | 17,988 | 97.6 | 1.3 | 1.1 | 0.0 | 100.0 |
| Kitui | 76,346 | 96.9 | 2.1 | 1.0 | 0.0 | 100.0 | 49,588 | 83.8 | 9.2 | 7.1 | 0.0 | 100.0 |
| Machakos | 83,626 | 98.8 | 1.2 | 0.0 | 0.0 | 100.0 | 58,285 | 96.8 | 3.2 | 0.0 | 0.0 | 100.0 |
| Meru | 25,521 | 96.7 | 0.0 | 3.3 | 0.0 | 100.0 | 46,402 | 92.2 | 4.7 | 3.1 | 0.0 | 100.0 |
| Makueni | 71,554 | 95.9 | 4.1 | 0.0 | 0.0 | 100.0 | 38,317 | 83.1 | 15.3 | 1.6 | 0.0 | 100.0 |
| Tharaka Nithi | 31,516 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 | 36,357 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyambene | 52,615 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 | 64,744 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Nyanza Rural | 496,553 | 97.1 | 2.4 | 0.5 | 0.0 | 100.0 | 387,970 | 89.1 | 9.3 | 1.4 | 0.2 | 100.0 |
| Kisii | 65,271 | 95.4 | 2.7 | 1.9 | 0.0 | 100.0 | 59,441 | 94.9 | 5.1 | 0.0 | 0.0 | 100.0 |
| Kisumu | 71,967 | 95.2 | 2.7 | 2.0 | 0.0 | 100.0 | 46,959 | 88.0 | 6.1 | 5.9 | 0.0 | 100.0 |
| Siaya | 90,813 | 96.8 | 3.2 | 0.0 | 0.0 | 100.0 | 92,867 | 84.3 | 15.3 | 0.4 | 0.0 | 100.0 |
| Homa Bay | 80,198 | 98.9 | 1.1 | 0.0 | 0.0 | 100.0 | 31,936 | 93.7 | 4.5 | 1.8 | 0.0 | 100.0 |
| Migori | 75,268 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 | 81,664 | 97.0 | 1.2 | 0.9 | 0.8 | 100.0 |
| Nyamira | 113,035 | 96.3 | 3.7 | 0.0 | 0.0 | 100.0 | 75,103 | 80.7 | 17.8 | 1.5 | 0.0 | 100.0 |
| Rift Valley Rural | 479,477 | 86.8 | 4.0 | 8.7 | 0.5 | 100.0 | 613,546 | 76.0 | 10.7 | 12.2 | 1.1 | 100.0 |
| Kajiado | 13,788 | 79.9 | 6.6 | 4.4 | 9.2 | 100.0 | 44,261 | 60.2 | 17.7 | 9.6 | 12.5 | 100.0 |
| Kericho | 60,922 | 91.3 | 0.7 | 8.0 | 0.0 | 100.0 | 66,075 | 74.1 | 9.2 | 16.7 | 0.0 | 100.0 |
| Laikipia | 14,567 | 88.3 | 11.7 | 0.0 | 0.0 | 100.0 | 44,960 | 82.7 | 11.4 | 5.9 | 0.0 | 100.0 |
| Nakuru | 80,657 | 73.0 | 9.7 | 17.2 | 0.0 | 100.0 | 141,307 | 60.4 | 19.3 | 19.7 | 0.6 | 100.0 |
| Nandi | 60,715 | 83.4 | 1.4 | 15.3 | 0.0 | 100.0 | 42,447 | 65.7 | 6.1 | 28.2 | 0.0 | 100.0 |
| Narok | 21,876 | 92.5 | 1.4 | 6.1 | 0.0 | 100.0 | 27,452 | 65.8 | 4.8 | 29.4 | 0.0 | 100.0 |
| Bomet | 55,982 | 87.7 | 5.3 | 7.0 | 0.0 | 100.0 | 39,883 | 92.6 | 2.5 | 4.9 | 0.0 | 100.0 |
| Transmara | 24,135 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 | 20,832 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Baringo | 23,878 | 91.0 | 2.2 | 6.8 | 0.0 | 100.0 | 51,891 | 83.2 | 11.2 | 5.6 | 0.0 | 100.0 |
| Elgeyo-Marakwet | 21,499 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 | 31,333 | 93.2 | 1.0 | 5.8 | 0.0 | 100.0 |
| Trans Nzoia | 44,555 | 84.3 | 3.9 | 11.8 | 0.0 | 100.0 | 40,056 | 95.6 | 2.9 | 1.5 | 0.0 | 100.0 |
| Uasin Gishu | 27,228 | 91.6 | 7.4 | 1.0 | 0.0 | 100.0 | 45,556 | 84.3 | 12.7 | 3.0 | 0.0 | 100.0 |
| West Pokot | 29,676 | 93.5 | 0.0 | 2.7 | 3.9 | 100.0 | 17,493 | 89.0 | 7.5 | 3.0 | 0.4 | 100.0 |
| Western Rural | 307,028 | 98.0 | 0.4 | 1.6 | 0.0 | 100.0 | 272,306 | 91.7 | 2.9 | 5.4 | 0.0 | 100.0 |
| Bungoma | 67,223 | 96.7 | 1.9 | 1.4 | 0.0 | 100.0 | 71,202 | 93.0 | 3.5 | 3.5 | 0.0 | 100.0 |
| Busia | 55,085 | 99.3 | 0.0 | 0.7 | 0.0 | 100.0 | 35,952 | 95.1 | 3.2 | 1.7 | 0.0 | 100.0 |
| Kakamega | 110,185 | 97.3 | 0.0 | 2.7 | 0.0 | 100.0 | 112,793 | 87.1 | 3.7 | 9.2 | 0.0 | 100.0 |
| Vihiga | 74,535 | 99.1 | 0.0 | 0.9 | 0.0 | 100.0 | 52,359 | 97.5 | 0.0 | 2.5 | 0.0 | 100.0 |
| Total Rural | 2,008,215 | 94.0 | 2.6 | 3.4 | 0.1 | 100.0 | 2,354,138 | 83.5 | 8.6 | 7.4 | 0.4 | 100.0 |
| Total Urban | 477,448 | 12.6 | 75.9 | 11.5 | 0.0 | 100.0 | 631,217 | 13.0 | 80.5 | 6.5 | 0.0 | 100.0 |
| Nairobi | 231,043 | 4.6 | 77.2 | 18.2 | 0.0 | 100.0 | 268,066 | 15.8 | 78.2 | 6.0 | 0.0 | 100.0 |
| Mombasa | 51,393 | 20.1 | 77.5 | 2.4 | 0.0 | 100.0 | 106,004 | 13.8 | 83.3 | 3.0 | 0.0 | 100.0 |
| Kisumu | 30,796 | 15.9 | 80.6 | 3.5 | 0.0 | 100.0 | 22,947 | 12.3 | 86.5 | 1.2 | 0.0 | 100.0 |
| Nakuru | 26,378 | 3.6 | 88.5 | 7.9 | 0.0 | 100.0 | 52,963 | 4.9 | 87.6 | 7.5 | 0.0 | 100.0 |
| Other urban | 137,838 | 24.3 | 69.6 | 6.1 | 0.0 | 100.0 | 181,237 | 10.7 | 79.6 | 9.6 | 0.0 | 100.0 |
| Nation | 2,485,663 | 78.3 | 16.6 | 4.9 | 0.1 | 100.0 | 2,985,356 | 68.6 | 23.9 | 7.2 | 0.3 | 100.0 |

Annex 8.5b Distribution of Poor households by number of Rooms and people sleeping in the main dwelling house

| | N | Number of rooms | | | | | | | Number sleeping in main room | | | |
|--------------------------|------------------|-----------------|-------------|-------------|-------------|------------|------------|--------------|------------------------------|-------------|------------|--------------|
| | | 1 | 2 | 3 | 4-5 | 6-10 | 11+ | All | 1-4 | 5-9 | 10+ | All |
| Central Rural | 213,415 | 7.9 | 20.5 | 48.5 | 20.9 | 2.3 | 0.0 | 100.0 | 49.0 | 48.0 | 3.0 | 100.0 |
| Kiambu | 47,638 | 13.1 | 20.4 | 47.0 | 15.7 | 3.7 | 0.0 | 100.0 | 40.7 | 51.1 | 8.1 | 100.0 |
| Kirinyaga | 31,824 | 5.7 | 25.1 | 56.6 | 12.6 | 0.0 | 0.0 | 100.0 | 63.7 | 35.5 | 0.9 | 100.0 |
| Muranga | 72,627 | 5.4 | 15.3 | 47.8 | 29.2 | 2.3 | 0.0 | 100.0 | 44.5 | 53.9 | 1.6 | 100.0 |
| Nyandarua | 19,158 | 13.2 | 33.6 | 47.4 | 5.8 | 0.0 | 0.0 | 100.0 | 51.8 | 45.1 | 3.1 | 100.0 |
| Nyeri | 42,169 | 5.6 | 20.2 | 45.7 | 25.2 | 3.3 | 0.0 | 100.0 | 53.9 | 45.1 | 1.0 | 100.0 |
| Coast Rural | 134,010 | 21.4 | 32.3 | 20.6 | 20.3 | 5.4 | 0.0 | 100.0 | 46.5 | 49.4 | 4.2 | 100.0 |
| Kilifi | 58,978 | 34.9 | 33.9 | 12.0 | 16.7 | 2.4 | 0.0 | 100.0 | 48.0 | 47.4 | 4.6 | 100.0 |
| Kwale | 43,218 | 9.4 | 32.5 | 28.5 | 22.2 | 7.4 | 0.0 | 100.0 | 44.2 | 52.4 | 3.4 | 100.0 |
| Lamu | 3,615 | 0.0 | 46.1 | 23.7 | 18.7 | 11.5 | 0.0 | 100.0 | 22.7 | 65.1 | 12.2 | 100.0 |
| Taita Taveta | 26,169 | 13.5 | 27.2 | 25.3 | 25.4 | 8.5 | 0.0 | 100.0 | 52.3 | 44.1 | 3.5 | 100.0 |
| Tana River | 2,030 | 24.4 | 18.6 | 34.7 | 22.3 | 0.0 | 0.0 | 100.0 | 18.5 | 81.5 | 0.0 | 100.0 |
| Eastern Rural | 377,733 | 23.2 | 38.2 | 21.4 | 13.2 | 4.0 | 0.0 | 100.0 | 59.0 | 38.0 | 3.0 | 100.0 |
| Mbeere | 15,846 | 16.2 | 49.5 | 22.0 | 9.0 | 3.4 | 0.0 | 100.0 | 66.8 | 33.2 | 0.0 | 100.0 |
| Embu | 20,709 | 4.0 | 26.0 | 41.7 | 24.6 | 3.8 | 0.0 | 100.0 | 57.5 | 39.5 | 3.0 | 100.0 |
| Kitui | 76,346 | 56.2 | 24.1 | 13.5 | 4.0 | 2.2 | 0.0 | 100.0 | 58.9 | 38.8 | 2.2 | 100.0 |
| Machakos | 83,626 | 8.2 | 35.7 | 31.5 | 19.6 | 5.0 | 0.0 | 100.0 | 46.4 | 49.8 | 3.8 | 100.0 |
| Meru | 25,521 | 17.2 | 51.6 | 16.0 | 9.6 | 5.6 | 0.0 | 100.0 | 78.4 | 21.6 | 0.0 | 100.0 |
| Makueni | 71,554 | 14.3 | 53.4 | 20.1 | 7.1 | 5.1 | 0.0 | 100.0 | 54.2 | 39.5 | 6.3 | 100.0 |
| Tharaka Nithi | 31,516 | 17.4 | 27.7 | 25.1 | 27.7 | 2.2 | 0.0 | 100.0 | 60.5 | 35.9 | 3.6 | 100.0 |
| Nyambene | 52,615 | 28.0 | 42.7 | 10.9 | 14.7 | 3.7 | 0.0 | 100.0 | 73.5 | 26.5 | 0.0 | 100.0 |
| Nyanza Rural | 496,553 | 11.9 | 43.4 | 37.9 | 6.5 | 0.3 | 0.0 | 100.0 | 87.1 | 12.9 | 0.0 | 100.0 |
| Kisii | 65,271 | 1.3 | 19.9 | 68.5 | 10.1 | 0.3 | 0.0 | 100.0 | 81.0 | 19.0 | 0.0 | 100.0 |
| Kisumu | 71,967 | 17.5 | 63.9 | 12.4 | 6.1 | 0.0 | 0.0 | 100.0 | 84.7 | 15.3 | 0.0 | 100.0 |
| Siaya | 90,813 | 27.5 | 51.1 | 13.8 | 7.3 | 0.4 | 0.0 | 100.0 | 92.4 | 7.6 | 0.0 | 100.0 |
| Homa Bay | 80,198 | 12.5 | 64.1 | 16.9 | 5.2 | 1.3 | 0.0 | 100.0 | 87.8 | 12.2 | 0.0 | 100.0 |
| Migori | 75,268 | 11.0 | 53.0 | 31.8 | 4.1 | 0.0 | 0.0 | 100.0 | 81.7 | 18.3 | 0.0 | 100.0 |
| Nyamira | 113,035 | 2.1 | 17.4 | 74.1 | 6.3 | 0.0 | 0.0 | 100.0 | 90.8 | 9.2 | 0.0 | 100.0 |
| Rift Valley Rural | 479,477 | 29.7 | 48.7 | 16.5 | 4.5 | 0.7 | 0.0 | 100.0 | 67.5 | 31.7 | 0.9 | 100.0 |
| Kajiado | 13,788 | 11.4 | 45.0 | 38.0 | 5.6 | 0.0 | 0.0 | 100.0 | 40.1 | 58.8 | 1.1 | 100.0 |
| Kericho | 60,922 | 30.2 | 62.0 | 7.0 | 0.8 | 0.0 | 0.0 | 100.0 | 65.1 | 34.1 | 0.8 | 100.0 |
| Laikipia | 14,567 | 12.3 | 45.6 | 38.1 | 4.0 | 0.0 | 0.0 | 100.0 | 37.9 | 61.0 | 1.0 | 100.0 |
| Nakuru | 80,657 | 23.1 | 45.3 | 27.3 | 3.9 | 0.4 | 0.0 | 100.0 | 60.3 | 38.7 | 0.9 | 100.0 |
| Nandi | 60,715 | 21.7 | 37.4 | 25.0 | 15.0 | 0.9 | 0.0 | 100.0 | 71.1 | 27.8 | 1.1 | 100.0 |
| Narok | 21,876 | 15.6 | 68.4 | 10.7 | 5.3 | 0.0 | 0.0 | 100.0 | 57.4 | 42.6 | 0.0 | 100.0 |
| Bomet | 55,982 | 13.5 | 76.8 | 8.3 | 0.4 | 1.0 | 0.0 | 100.0 | 74.3 | 25.7 | 0.0 | 100.0 |
| Transmara | 24,135 | 29.9 | 56.1 | 6.8 | 1.4 | 5.8 | 0.0 | 100.0 | 62.3 | 37.7 | 0.0 | 100.0 |
| Baringo | 23,878 | 61.3 | 25.2 | 12.2 | 1.3 | 0.0 | 0.0 | 100.0 | 83.9 | 12.2 | 4.0 | 100.0 |
| Elgeyo-Marakwet | 21,499 | 47.1 | 32.5 | 15.0 | 5.5 | 0.0 | 0.0 | 100.0 | 69.4 | 29.5 | 1.0 | 100.0 |
| Trans Nzoia | 44,555 | 44.3 | 41.6 | 11.7 | 2.5 | 0.0 | 0.0 | 100.0 | 78.7 | 20.1 | 1.2 | 100.0 |
| Uasin Gishu | 27,228 | 11.0 | 56.7 | 20.6 | 10.4 | 1.3 | 0.0 | 100.0 | 59.7 | 38.9 | 1.3 | 100.0 |
| West Pokot | 29,676 | 83.7 | 13.1 | 2.5 | 0.7 | 0.0 | 0.0 | 100.0 | 85.5 | 14.5 | 0.0 | 100.0 |
| Western Rural | 307,028 | 27.6 | 24.8 | 20.5 | 25.6 | 1.4 | 0.0 | 100.0 | 67.3 | 32.5 | 0.2 | 100.0 |
| Bungoma | 67,223 | 32.8 | 42.8 | 14.6 | 7.4 | 2.4 | 0.0 | 100.0 | 66.4 | 33.6 | 0.0 | 100.0 |
| Busia | 55,085 | 79.1 | 7.3 | 4.9 | 7.1 | 1.7 | 0.0 | 100.0 | 74.3 | 24.5 | 1.2 | 100.0 |
| Kakamega | 110,185 | 14.7 | 32.1 | 36.2 | 17.0 | 0.0 | 0.0 | 100.0 | 72.9 | 27.1 | 0.0 | 100.0 |
| Vihiga | 74,535 | 4.2 | 10.9 | 14.2 | 68.4 | 2.4 | 0.0 | 100.0 | 54.7 | 45.3 | 0.0 | 100.0 |
| Total Rural | 2,008,215 | 20.9 | 37.6 | 27.0 | 12.7 | 1.8 | 0.0 | 100.0 | 67.3 | 31.3 | 1.4 | 100.0 |
| Total Urban | 477,448 | 69.9 | 17.4 | 9.6 | 2.2 | 1.0 | 0.0 | 100.0 | 67.6 | 31.1 | 1.3 | 100.0 |
| Nairobi | 231,043 | 83.7 | 11.5 | 4.8 | 0.0 | 0.0 | 0.0 | 100.0 | 66.7 | 33.3 | 0.0 | 100.0 |
| Mombasa | 51,393 | 55.4 | 24.2 | 12.4 | 2.0 | 5.9 | 0.0 | 100.0 | 73.9 | 23.7 | 2.4 | 100.0 |
| Kisumu | 30,796 | 75.2 | 15.3 | 5.2 | 4.4 | 0.0 | 0.0 | 100.0 | 65.5 | 31.8 | 2.7 | 100.0 |
| Nakuru | 26,378 | 51.7 | 30.4 | 16.5 | 1.4 | 0.0 | 0.0 | 100.0 | 60.9 | 38.5 | 0.7 | 100.0 |
| Other urban | 137,838 | 54.6 | 22.4 | 16.3 | 5.4 | 1.3 | 0.0 | 100.0 | 68.4 | 28.6 | 3.0 | 100.0 |
| Nation | 2,485,663 | 30.2 | 33.7 | 23.7 | 10.7 | 1.7 | 0.0 | 100.0 | 67.4 | 31.2 | 1.4 | 100.0 |

Annex 9.2a Main source of drinking water during dry season - poor households (%)

| | N | Piped water in compound | Public outdoor tap/borehole | Protected Well | Unprotected Well /Rain water | River/lake/ pond | Vendor/ truck | Other | Total |
|--------------------------|------------------|----------------------------|--------------------------------|-------------------|------------------------------------|---------------------|------------------|------------|--------------|
| Central Rural | 213,415 | 16.1 | 6.9 | 4.1 | 15.9 | 55.5 | 0.7 | 0.7 | 100.0 |
| Kiambu | 47,638 | 17.8 | 22.4 | 7.9 | 10.1 | 37.1 | 3.0 | 1.7 | 100.0 |
| Kirinyaga | 31,824 | 3.8 | 0.3 | 6.1 | 21.4 | 68.4 | 0.0 | 0.0 | 100.0 |
| Muranga | 72,627 | 16.6 | 0.9 | 2.8 | 22.1 | 56.6 | 0.0 | 1.0 | 100.0 |
| Nyandarua | 19,158 | 25.1 | 1.5 | 5.6 | 22.7 | 45.2 | 0.0 | 0.0 | 100.0 |
| Nyeri | 42,169 | 18.6 | 7.1 | 0.0 | 4.7 | 69.6 | 0.0 | 0.0 | 100.0 |
| Coast Rural | 134,155 | 4.2 | 31.3 | 9.2 | 15.4 | 34.4 | 0.0 | 0.0 | 100.0 |
| Kilifi | 58,978 | 1.1 | 32.8 | 14.1 | 18.3 | 27.2 | 6.5 | 0.0 | 100.0 |
| Kwale | 43,218 | 6.3 | 30.6 | 0.9 | 13.0 | 41.9 | 5.9 | 1.5 | 100.0 |
| Lamu | 3,615 | 1.9 | 4.6 | 28.1 | 65.3 | 0.0 | 0.0 | 0.0 | 100.0 |
| Taita Taveta | 26,169 | 8.2 | 35.3 | 6.7 | 7.3 | 41.1 | 0.0 | 1.4 | 100.0 |
| Tana River | 2,175 | 0.0 | 0.0 | 40.7 | 0.0 | 59.3 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 377,733 | 7.5 | 16.5 | 6.6 | 22.4 | 43.4 | 0.1 | 3.5 | 100.0 |
| Mbeere | 15,846 | 11.4 | 31.4 | 3.3 | 33.2 | 4.4 | 0.0 | 16.4 | 100.0 |
| Embu | 20,709 | 28.2 | 3.8 | 4.6 | 12.8 | 48.7 | 0.0 | 1.8 | 100.0 |
| Kitui | 76,346 | 0.2 | 0.3 | 9.2 | 13.5 | 65.1 | 0.7 | 10.8 | 100.0 |
| Machakos | 83,626 | 0.7 | 23.3 | 12.4 | 11.0 | 51.9 | 0.0 | 0.7 | 100.0 |
| Meru | 25,521 | 41.9 | 5.9 | 9.6 | 14.5 | 28.1 | 0.0 | 0.0 | 100.0 |
| Makueni | 71,554 | 0.0 | 10.2 | 4.0 | 46.8 | 37.1 | 0.0 | 1.9 | 100.0 |
| Tharaka Nithi | 31,516 | 25.0 | 15.9 | 2.8 | 10.9 | 45.4 | 0.0 | 0.0 | 100.0 |
| Nyambene | 52,615 | 2.2 | 43.9 | 0.0 | 31.4 | 22.6 | 0.0 | 0.0 | 100.0 |
| Nyanza Rural | 497,006 | 2.2 | 8.9 | 18.3 | 26.8 | 43.4 | 0.5 | 0.0 | 100.0 |
| Kisii | 65,271 | 8.2 | 1.4 | 53.2 | 15.9 | 21.3 | 0.0 | 0.0 | 100.0 |
| Kisumu | 71,967 | 4.1 | 19.8 | 14.5 | 6.6 | 51.9 | 3.1 | 0.0 | 100.0 |
| Siaya | 91,266 | 0.0 | 24.9 | 11.5 | 22.5 | 41.0 | 0.0 | 0.0 | 100.0 |
| Homa Bay | 80,198 | 0.9 | 4.2 | 8.4 | 9.7 | 76.8 | 0.0 | 0.0 | 100.0 |
| Migori | 75,268 | 0.0 | 2.6 | 1.9 | 59.0 | 36.6 | 0.0 | 0.0 | 100.0 |
| Nyamira | 113,035 | 1.6 | 0.8 | 23.8 | 40.0 | 33.8 | 0.0 | 0.0 | 100.0 |
| Rift Valley Rural | 479,823 | 5.0 | 10.8 | 11.8 | 16.6 | 53.6 | 0.2 | 1.9 | 100.0 |
| Kajiado | 13,788 | 18.2 | 34.0 | 1.1 | 10.7 | 30.3 | 5.7 | 0.0 | 100.0 |
| Kericho | 61,268 | 2.0 | 10.2 | 16.2 | 2.9 | 68.7 | 0.0 | 0.0 | 100.0 |
| Laikipia | 14,567 | 5.6 | 1.1 | 8.4 | 14.1 | 58.3 | 0.0 | 12.5 | 100.0 |
| Nakuru | 80,657 | 7.5 | 25.3 | 6.7 | 10.5 | 43.8 | 0.0 | 6.1 | 100.0 |
| Nandi | 60,715 | 2.0 | 14.8 | 15.0 | 20.0 | 44.1 | 0.5 | 3.5 | 100.0 |
| Narok | 21,876 | 0.0 | 0.0 | 0.0 | 22.9 | 77.1 | 0.0 | 0.0 | 100.0 |
| Bomet | 55,982 | 17.6 | 6.6 | 0.6 | 13.3 | 61.5 | 0.0 | 0.4 | 100.0 |
| Transmara | 24,135 | 0.0 | 0.0 | 0.0 | 29.8 | 70.2 | 0.0 | 0.0 | 100.0 |
| Baringo | 23,878 | 1.2 | 2.7 | 17.9 | 25.4 | 52.8 | 0.0 | 0.0 | 100.0 |
| Elgeyo-Marakwet | 21,499 | 2.8 | 3.1 | 6.7 | 4.3 | 83.0 | 0.0 | 0.0 | 100.0 |
| Trans Nzoia | 44,555 | 1.3 | 3.7 | 31.0 | 43.3 | 20.7 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 27,228 | 3.0 | 10.5 | 37.7 | 24.4 | 24.3 | 0.0 | 0.0 | 100.0 |
| West Pokot | 29,676 | 0.0 | 6.2 | 2.3 | 4.2 | 87.3 | 0.0 | 0.0 | 100.0 |
| Western Rural | 307,028 | 5.6 | 10.0 | 42.9 | 31.6 | 9.9 | 0.0 | 0.0 | 100.0 |
| Bungoma | 67,223 | 9.3 | 12.6 | 34.6 | 23.2 | 20.2 | 0.0 | 0.0 | 100.0 |
| Busia | 55,085 | 1.4 | 26.5 | 32.3 | 30.1 | 9.6 | 0.0 | 0.0 | 100.0 |
| Kakamega | 110,185 | 4.0 | 5.6 | 44.9 | 36.5 | 9.0 | 0.0 | 0.0 | 100.0 |
| Vihiga | 74,535 | 7.6 | 1.8 | 55.3 | 33.2 | 2.1 | 0.0 | 0.0 | 100.0 |
| Total Rural | 2,009,160 | 6.0 | 12.2 | 16.2 | 22.4 | 41.4 | 0.4 | 1.2 | 100.0 |
| Total Urban | 478,552 | 34.7 | 42.5 | 3.4 | 2.0 | 2.0 | 11.3 | 4.1 | 100.0 |
| Nairobi | 231,043 | 35.6 | 42.0 | 0.0 | 0.0 | 0.0 | 14.4 | 7.9 | 100.0 |
| Mombasa | 52,127 | 17.4 | 71.0 | 1.8 | 0.0 | 0.0 | 8.4 | 1.4 | 100.0 |
| Kisumu | 30,796 | 18.2 | 54.8 | 5.2 | 0.0 | 2.8 | 19.0 | 0.0 | 100.0 |
| Nakuru | 26,378 | 41.5 | 54.8 | 0.0 | 0.0 | 0.0 | 0.8 | 2.9 | 100.0 |
| Other urban | 138,208 | 41.9 | 27.4 | 9.9 | 7.0 | 6.3 | 7.4 | 0.0 | 100.0 |
| Nation | 2,487,712 | 11.5 | 18.0 | 13.7 | 18.5 | 33.8 | 2.5 | 1.8 | 100.0 |

Annex 9.2b Main source of drinking water during dry season – Non-poor households (%)

| | N | Piped water in compound | Public outdoor tap/borehole | Protected Well | Unprotected Well /Rain water | River/lake/ pond | Vendor/ truck | Other | Total |
|--------------------------|------------------|----------------------------|--------------------------------|-------------------|------------------------------------|---------------------|------------------|------------|--------------|
| Central Rural | 623,638 | 22.3 | 9.2 | 8.0 | 14.1 | 44.8 | 0.9 | 0.7 | 100.0 |
| Kiambu | 197,563 | 29.8 | 19.5 | 12.0 | 12.9 | 23.8 | 2.1 | 0.0 | 100.0 |
| Kirinyaga | 73,429 | 5.7 | 3.0 | 8.3 | 26.4 | 55.6 | 0.0 | 1.0 | 100.0 |
| Muranga | 153,243 | 13.3 | 6.0 | 10.1 | 11.6 | 57.7 | 0.5 | 0.8 | 100.0 |
| Nyandarua | 66,341 | 24.7 | 1.7 | 4.2 | 24.0 | 44.8 | 0.6 | 0.0 | 100.0 |
| Nyeri | 133,062 | 29.5 | 4.8 | 1.3 | 7.0 | 55.4 | 0.3 | 1.7 | 100.0 |
| Coast Rural | 126,826 | 4.2 | 39.8 | 12.6 | 9.4 | 17.6 | 0.0 | 0.0 | 100.0 |
| Kilifi | 52,900 | 3.5 | 42.0 | 15.6 | 11.2 | 6.8 | 19.0 | 1.9 | 100.0 |
| Kwale | 41,687 | 3.8 | 51.5 | 0.0 | 8.1 | 14.4 | 18.1 | 4.1 | 100.0 |
| Lamu | 8,899 | 4.7 | 11.3 | 53.0 | 29.3 | 0.0 | 0.0 | 1.7 | 100.0 |
| Taita Taveta | 17,859 | 8.0 | 31.8 | 12.6 | 0.0 | 44.8 | 2.7 | 0.0 | 100.0 |
| Tana River | 5,442 | 0.0 | 0.0 | 13.0 | 0.0 | 87.0 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 334,615 | 15.5 | 19.2 | 5.9 | 17.7 | 36.3 | 1.5 | 3.9 | 100.0 |
| Mbeere | 20,600 | 28.4 | 28.2 | 1.9 | 17.1 | 5.1 | 0.0 | 19.2 | 100.0 |
| Embu | 17,988 | 27.7 | 5.0 | 10.8 | 21.5 | 35.0 | 0.0 | 0.0 | 100.0 |
| Kitui | 49,894 | 1.8 | 0.4 | 7.1 | 5.4 | 63.6 | 5.6 | 16.1 | 100.0 |
| Machakos | 58,285 | 1.7 | 6.3 | 20.4 | 17.6 | 49.8 | 3.2 | 1.0 | 100.0 |
| Meru | 46,402 | 53.9 | 13.6 | 0.7 | 6.1 | 24.5 | 0.0 | 1.2 | 100.0 |
| Makueni | 39,869 | 6.7 | 21.8 | 4.3 | 23.3 | 42.7 | 1.2 | 0.0 | 100.0 |
| Tharaka Nithi | 36,357 | 20.2 | 16.0 | 0.0 | 16.6 | 47.2 | 0.0 | 0.0 | 100.0 |
| Nyambene | 65,219 | 6.1 | 50.6 | 0.0 | 31.6 | 11.7 | 0.0 | 0.0 | 100.0 |
| Nyanza Rural | 388,033 | 6.3 | 10.4 | 16.9 | 23.0 | 42.8 | 0.6 | 0.1 | 100.0 |
| Kisii | 59,503 | 11.3 | 0.0 | 33.4 | 40.2 | 14.9 | 0.3 | 0.0 | 100.0 |
| Kisumu | 46,959 | 5.9 | 30.1 | 22.6 | 4.5 | 32.3 | 3.8 | 0.7 | 100.0 |
| Siaya | 92,867 | 3.1 | 24.7 | 10.0 | 16.9 | 45.1 | 0.3 | 0.0 | 100.0 |
| Homa Bay | 31,936 | 2.4 | 0.0 | 25.1 | 7.2 | 65.3 | 0.0 | 0.0 | 100.0 |
| Migori | 81,664 | 0.0 | 1.7 | 2.1 | 45.8 | 50.3 | 0.0 | 0.0 | 100.0 |
| Nyamira | 75,103 | 14.9 | 2.7 | 21.3 | 10.3 | 50.8 | 0.0 | 0.0 | 100.0 |
| Rift Valley Rural | 614,652 | 9.2 | 17.4 | 14.9 | 13.5 | 42.5 | 1.0 | 1.6 | 100.0 |
| Kajiado | 44,261 | 14.1 | 30.5 | 0.9 | 23.5 | 21.2 | 8.3 | 1.5 | 100.0 |
| Kericho | 66,075 | 3.4 | 20.1 | 22.7 | 3.5 | 49.1 | 1.1 | 0.0 | 100.0 |
| Laikipia | 44,960 | 7.6 | 3.1 | 19.5 | 17.7 | 41.9 | 0.6 | 9.6 | 100.0 |
| Nakuru | 141,996 | 15.7 | 37.5 | 10.0 | 10.3 | 23.4 | 0.1 | 3.0 | 100.0 |
| Nandi | 42,638 | 9.0 | 24.5 | 13.5 | 14.1 | 38.3 | 0.6 | 0.0 | 100.0 |
| Narok | 27,452 | 18.1 | 0.0 | 0.0 | 7.6 | 74.4 | 0.0 | 0.0 | 100.0 |
| Bomet | 39,883 | 21.7 | 0.0 | 2.9 | 17.2 | 58.2 | 0.0 | 0.0 | 100.0 |
| Transmara | 20,832 | 0.0 | 0.0 | 0.0 | 14.6 | 85.4 | 0.0 | 0.0 | 100.0 |
| Baringo | 52,117 | 6.2 | 6.3 | 28.5 | 21.3 | 36.7 | 1.0 | 0.0 | 100.0 |
| Elgeyo-Marakwet | 31,333 | 2.5 | 0.7 | 8.0 | 0.4 | 87.3 | 1.0 | 0.0 | 100.0 |
| Trans Nzoia | 40,056 | 1.0 | 9.4 | 27.4 | 30.2 | 32.1 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 45,556 | 1.1 | 15.0 | 34.6 | 13.7 | 35.0 | 0.6 | 0.0 | 100.0 |
| West Pokot | 17,493 | 0.0 | 4.3 | 11.4 | 0.0 | 82.4 | 0.0 | 1.9 | 100.0 |
| Western Rural | 273,161 | 8.1 | 13.4 | 42.5 | 26.8 | 9.3 | 0.0 | 0.0 | 100.0 |
| Bungoma | 71,658 | 9.1 | 14.0 | 37.8 | 21.1 | 17.9 | 0.0 | 0.0 | 100.0 |
| Busia | 35,952 | 1.1 | 39.4 | 28.8 | 20.8 | 9.9 | 0.0 | 0.0 | 100.0 |
| Kakamega | 113,193 | 11.2 | 10.9 | 38.4 | 31.7 | 7.8 | 0.0 | 0.0 | 100.0 |
| Vihiga | 52,359 | 4.8 | 0.0 | 67.0 | 28.3 | 0.0 | 0.0 | 0.0 | 100.0 |
| Total Rural | 2,360,925 | 12.7 | 15.1 | 15.2 | 17.1 | 37.1 | 1.2 | 1.2 | 100.0 |
| Total Urban | 635,328 | 50.7 | 38.5 | 1.0 | 1.1 | 1.7 | 6.3 | 0.6 | 100.0 |
| Nairobi | 271,771 | 56.5 | 43.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Mombasa | 106,004 | 28.1 | 52.0 | 0.4 | 0.0 | 0.0 | 19.5 | 0.0 | 100.0 |
| Kisumu | 22,947 | 24.2 | 40.3 | 0.0 | 0.0 | 0.0 | 35.5 | 0.0 | 100.0 |
| Nakuru | 52,963 | 48.5 | 46.7 | 0.0 | 0.0 | 0.0 | 1.3 | 3.5 | 100.0 |
| Other urban | 181,643 | 59.2 | 20.5 | 3.3 | 3.9 | 6.1 | 5.8 | 1.1 | 100.0 |
| Nation | 2,996,253 | 20.7 | 20.0 | 12.2 | 13.7 | 29.6 | 2.3 | 1.1 | 100.0 |

Annex 9.1a Main source of drinking water during wet season - poor households (%)

| | N | Piped water in compound | Public outdoor tap/borehole | Protected Well | Unprotected Well /Rain water | River/lake/ pond | Vendor/ truck | Other | Total |
|--------------------------|------------------|----------------------------|--------------------------------|-------------------|------------------------------------|---------------------|------------------|------------|--------------|
| Central Rural | 213,415 | 21.7 | 4.5 | 2.0 | 41.1 | 29.6 | 0.0 | 1.0 | 100.0 |
| Kiambu | 47,638 | 18.7 | 12.8 | 0.0 | 49.7 | 17.1 | 0.0 | 1.7 | 100.0 |
| Kirinyaga | 31,824 | 9.6 | 0.3 | 6.1 | 33.1 | 50.8 | 0.0 | 0.0 | 100.0 |
| Muranga | 72,627 | 24.3 | 0.9 | 2.4 | 49.9 | 21.5 | 0.0 | 1.0 | 100.0 |
| Nyandarua | 19,158 | 28.6 | 3.7 | 2.4 | 36.1 | 29.2 | 0.0 | 0.0 | 100.0 |
| Nyeri | 42,169 | 26.6 | 5.0 | 0.0 | 24.7 | 42.0 | 0.0 | 1.7 | 100.0 |
| Coast Rural | 134,155 | 5.3 | 26.0 | 7.5 | 26.9 | 30.2 | 0.0 | 0.0 | 100.0 |
| Kilifi | 58,978 | 1.1 | 21.8 | 12.0 | 32.9 | 25.8 | 6.5 | 0.0 | 100.0 |
| Kwale | 43,218 | 5.3 | 25.5 | 0.9 | 24.7 | 41.5 | 0.7 | 1.5 | 100.0 |
| Lamu | 3,615 | 1.9 | 0.0 | 28.1 | 69.9 | 0.0 | 0.0 | 0.0 | 100.0 |
| Taita Taveta | 26,169 | 15.6 | 42.1 | 2.8 | 13.5 | 23.4 | 0.0 | 2.7 | 100.0 |
| Tana River | 2,175 | 0.0 | 0.0 | 40.7 | 0.0 | 59.3 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 377,733 | 8.0 | 9.6 | 6.5 | 35.1 | 37.7 | 1.5 | 1.6 | 100.0 |
| Mbeere | 15,846 | 11.4 | 16.0 | 2.2 | 53.6 | 9.6 | 0.0 | 7.2 | 100.0 |
| Embu | 20,709 | 31.6 | 3.8 | 4.6 | 12.8 | 45.3 | 0.0 | 1.8 | 100.0 |
| Kitui | 76,346 | 0.2 | 0.7 | 4.5 | 30.6 | 59.0 | 2.4 | 2.5 | 100.0 |
| Machakos | 83,626 | 0.7 | 4.5 | 16.4 | 36.0 | 40.5 | 0.0 | 1.9 | 100.0 |
| Meru | 25,521 | 41.9 | 1.9 | 9.6 | 22.6 | 24.1 | 0.0 | 0.0 | 100.0 |
| Makueni | 71,554 | 0.0 | 8.2 | 4.0 | 47.5 | 33.6 | 5.4 | 1.3 | 100.0 |
| Tharaka Nithi | 31,516 | 27.8 | 11.5 | 2.8 | 8.2 | 49.6 | 0.0 | 0.0 | 100.0 |
| Nyambene | 52,615 | 3.3 | 35.7 | 0.0 | 48.5 | 12.5 | 0.0 | 0.0 | 100.0 |
| Nyanza Rural | 497,006 | 2.2 | 5.7 | 16.0 | 34.7 | 37.2 | 0.7 | 3.5 | 100.0 |
| Kisii | 65,271 | 8.2 | 1.4 | 51.4 | 17.2 | 21.6 | 0.2 | 0.0 | 100.0 |
| Kisumu | 71,967 | 3.7 | 12.9 | 9.9 | 23.1 | 45.6 | 2.6 | 2.1 | 100.0 |
| Siaya | 91,266 | 0.0 | 17.2 | 10.3 | 33.4 | 37.5 | 0.0 | 1.6 | 100.0 |
| Homa Bay | 80,198 | 0.0 | 1.8 | 2.6 | 26.2 | 50.9 | 1.8 | 16.6 | 100.0 |
| Migori | 75,268 | 0.9 | 0.0 | 0.0 | 62.4 | 36.7 | 0.0 | 0.0 | 100.0 |
| Nyamira | 113,035 | 2.2 | 0.8 | 24.1 | 40.8 | 31.3 | 0.0 | 0.8 | 100.0 |
| Rift Valley Rural | 479,823 | 6.0 | 9.3 | 10.4 | 27.4 | 46.0 | 0.1 | 0.9 | 100.0 |
| Kajiado | 13,788 | 23.4 | 19.2 | 3.7 | 15.1 | 38.6 | 0.0 | 0.0 | 100.0 |
| Kericho | 61,268 | 2.0 | 12.3 | 14.3 | 14.4 | 57.0 | 0.0 | 0.0 | 100.0 |
| Laikipia | 14,567 | 5.6 | 1.1 | 8.4 | 26.6 | 45.8 | 0.0 | 12.5 | 100.0 |
| Nakuru | 80,657 | 9.6 | 20.1 | 1.4 | 32.4 | 36.5 | 0.0 | 0.0 | 100.0 |
| Nandi | 60,715 | 2.7 | 14.1 | 15.4 | 23.9 | 39.9 | 0.5 | 3.5 | 100.0 |
| Narok | 21,876 | 1.4 | 0.0 | 0.0 | 61.1 | 37.5 | 0.0 | 0.0 | 100.0 |
| Bomet | 55,982 | 17.1 | 4.5 | 4.1 | 26.2 | 48.1 | 0.0 | 0.0 | 100.0 |
| Transmara | 24,135 | 0.0 | 0.0 | 0.0 | 31.1 | 68.9 | 0.0 | 0.0 | 100.0 |
| Baringo | 23,878 | 5.1 | 4.8 | 5.8 | 37.7 | 44.5 | 0.0 | 2.1 | 100.0 |
| Elgeyo-Marakwet | 21,499 | 3.9 | 3.1 | 2.1 | 8.2 | 82.7 | 0.0 | 0.0 | 100.0 |
| Trans Nzoia | 44,555 | 1.3 | 2.6 | 30.7 | 47.1 | 18.2 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 27,228 | 3.0 | 10.5 | 38.1 | 28.1 | 20.3 | 0.0 | 0.0 | 100.0 |
| West Pokot | 29,676 | 2.0 | 3.5 | 2.3 | 4.2 | 88.1 | 0.0 | 0.0 | 100.0 |
| Western Rural | 307,028 | 6.1 | 10.3 | 40.3 | 34.7 | 8.1 | 0.0 | 0.5 | 100.0 |
| Bungoma | 67,223 | 9.3 | 13.5 | 32.5 | 25.3 | 17.2 | 0.0 | 2.1 | 100.0 |
| Busia | 55,085 | 1.4 | 27.5 | 35.2 | 28.3 | 7.5 | 0.0 | 0.0 | 100.0 |
| Kakamega | 110,185 | 4.0 | 5.6 | 40.0 | 42.1 | 8.3 | 0.0 | 0.0 | 100.0 |
| Vihiga | 74,535 | 9.7 | 1.8 | 51.6 | 36.9 | 0.0 | 0.0 | 0.0 | 100.0 |
| Total Rural | 2,009,160 | 7.1 | 9.2 | 14.5 | 33.2 | 33.7 | 0.6 | 1.6 | 100.0 |
| Total Urban | 478,552 | 36.1 | 41.5 | 3.1 | 3.3 | 1.3 | 10.6 | 4.1 | 100.0 |
| Nairobi | 231,043 | 35.9 | 41.8 | 0.0 | 0.0 | 0.0 | 14.4 | 7.9 | 100.0 |
| Mombasa | 52,127 | 17.4 | 70.9 | 1.2 | 0.7 | 0.0 | 8.4 | 1.4 | 100.0 |
| Kisumu | 30,796 | 18.2 | 56.6 | 3.8 | 9.7 | 1.9 | 9.9 | 0.0 | 100.0 |
| Nakuru | 26,378 | 43.2 | 47.4 | 0.0 | 7.3 | 0.0 | 0.0 | 2.0 | 100.0 |
| Other urban | 138,208 | 46.2 | 25.5 | 9.4 | 7.6 | 4.0 | 7.3 | 0.1 | 100.0 |
| Nation | 2,487,712 | 12.7 | 15.4 | 12.3 | 27.4 | 27.4 | 2.5 | 2.1 | 100.0 |

Annex 9.1b Main source of drinking water during wet season – Non-poor households (%)

| | | Piped water in compound | Public outdoor tap/borehole | Protected Well | Unprotected Well /Rain water | River/lake/ pond | Vendor/ truck | Other | Total |
|--------------------------|------------------|----------------------------|--------------------------------|-------------------|------------------------------------|---------------------|------------------|------------|--------------|
| Central Rural | 623,638 | 26.6 | 7.1 | 4.5 | 38.4 | 22.3 | 0.3 | 0.9 | 100.0 |
| Kiambu | 197,563 | 30.5 | 11.8 | 4.6 | 44.2 | 8.1 | 0.8 | 0.0 | 100.0 |
| Kirinyaga | 73,429 | 12.8 | 2.1 | 7.1 | 37.6 | 39.4 | 0.0 | 0.9 | 100.0 |
| Muranga | 153,243 | 15.4 | 6.0 | 6.8 | 39.7 | 29.4 | 0.0 | 2.6 | 100.0 |
| Nyandarua | 66,341 | 31.4 | 2.0 | 3.8 | 40.2 | 2.6 | 0.0 | 0.0 | 100.0 |
| Nyeri | 133,062 | 39.2 | 6.6 | 0.6 | 27.6 | 25.6 | 0.0 | 0.5 | 100.0 |
| Coast Rural | 126,826 | 4.8 | 39.6 | 11.4 | 10.9 | 22.8 | 0.0 | 0.0 | 100.0 |
| Kilifi | 52,939 | 1.9 | 40.2 | 15.4 | 8.6 | 26.0 | 6.0 | 1.9 | 100.0 |
| Kwale | 41,687 | 2.7 | 50.3 | 0.0 | 11.5 | 15.8 | 16.3 | 3.3 | 100.0 |
| Lamu | 8,899 | 5.9 | 3.4 | 52.0 | 37.0 | 0.0 | 0.0 | 1.7 | 100.0 |
| Taita Taveta | 17,859 | 19.5 | 43.0 | 5.7 | 6.8 | 21.3 | 0.0 | 3.8 | 100.0 |
| Tana River | 5,442 | 0.0 | 0.0 | 13.0 | 0.0 | 87.0 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 334,615 | 17.9 | 10.3 | 3.6 | 34.5 | 30.5 | 0.6 | 2.5 | 100.0 |
| Mbeere | 20,600 | 26.5 | 23.1 | 3.6 | 29.4 | 8.3 | 0.0 | 9.2 | 100.0 |
| Embu | 17,988 | 29.7 | 3.5 | 10.8 | 21.4 | 34.6 | 0.0 | 0.0 | 100.0 |
| Kitui | 49,894 | 1.1 | 1.1 | 1.1 | 29.8 | 58.3 | 3.4 | 5.1 | 100.0 |
| Machakos | 58,285 | 1.7 | 2.7 | 14.2 | 34.0 | 45.3 | 0.0 | 2.2 | 100.0 |
| Meru | 46,402 | 57.9 | 8.6 | 0.0 | 23.5 | 10.0 | 0.0 | 0.0 | 100.0 |
| Makueni | 39,869 | 9.9 | 14.0 | 1.1 | 25.7 | 44.2 | 1.2 | 3.9 | 100.0 |
| Tharaka Nithi | 36,357 | 33.0 | 12.4 | 0.0 | 16.6 | 38.0 | 0.0 | 0.0 | 100.0 |
| Nyambene | 65,219 | 7.5 | 19.9 | 0.0 | 66.9 | 4.0 | 0.0 | 1.6 | 100.0 |
| Nyanza Rural | 388,033 | 7.5 | 6.2 | 15.6 | 33.1 | 34.5 | 0.2 | 2.8 | 100.0 |
| Kisii | 59,503 | 11.3 | 0.0 | 34.0 | 41.0 | 13.7 | 0.0 | 0.0 | 100.0 |
| Kisumu | 46,959 | 7.3 | 21.5 | 13.5 | 24.7 | 29.7 | 1.0 | 2.4 | 100.0 |
| Siaya | 92,867 | 3.6 | 12.6 | 9.1 | 30.0 | 43.0 | 0.5 | 1.3 | 100.0 |
| Homa Bay | 31,936 | 2.0 | 0.0 | 18.9 | 17.5 | 34.7 | 0.0 | 26.8 | 100.0 |
| Migori | 81,664 | 0.0 | 1.0 | 1.1 | 56.6 | 41.4 | 0.0 | 0.0 | 100.0 |
| Nyamira | 75,103 | 19.9 | 1.9 | 25.1 | 17.3 | 35.8 | 0.0 | 0.0 | 100.0 |
| Rift Valley Rural | 614,652 | 11.4 | 15.2 | 12.1 | 25.9 | 33.8 | 0.6 | 0.9 | 100.0 |
| Kajiado | 44,261 | 17.3 | 21.6 | 1.9 | 14.5 | 39.3 | 4.4 | 0.9 | 100.0 |
| Kericho | 66,075 | 3.4 | 21.1 | 15.4 | 12.4 | 47.6 | 0.0 | 0.0 | 100.0 |
| Laikipia | 44,960 | 8.6 | 4.7 | 20.0 | 29.2 | 27.8 | 0.6 | 9.0 | 100.0 |
| Nakuru | 141,996 | 19.2 | 30.8 | 3.9 | 34.2 | 11.5 | 0.0 | 0.4 | 100.0 |
| Nandi | 42,638 | 9.0 | 24.5 | 15.4 | 20.6 | 30.5 | 0.0 | 0.0 | 100.0 |
| Narok | 27,452 | 18.1 | 0.0 | 0.0 | 39.1 | 42.9 | 0.0 | 0.0 | 100.0 |
| Bomet | 39,883 | 23.6 | 0.0 | 4.5 | 39.8 | 32.1 | 0.0 | 0.0 | 100.0 |
| Transmara | 20,832 | 0.0 | 0.0 | 0.0 | 14.6 | 85.4 | 0.0 | 0.0 | 100.0 |
| Baringo | 52,117 | 12.1 | 4.4 | 5.7 | 26.1 | 49.1 | 2.7 | 0.0 | 100.0 |
| Elgeyo-Marakwet | 31,333 | 7.0 | 0.0 | 21.9 | 3.5 | 67.7 | 0.0 | 0.0 | 100.0 |
| Trans Nzoia | 40,056 | 1.0 | 10.1 | 32.0 | 39.8 | 17.1 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 45,556 | 1.7 | 13.4 | 29.0 | 30.2 | 25.7 | 0.0 | 0.0 | 100.0 |
| West Pokot | 17,493 | 5.1 | 7.7 | 27.3 | 1.7 | 54.5 | 0.0 | 3.7 | 100.0 |
| Western Rural | 273,161 | 8.2 | 13.7 | 35.1 | 33.4 | 9.3 | 0.0 | 0.4 | 100.0 |
| Bungoma | 71,658 | 9.4 | 13.7 | 36.7 | 23.7 | 16.5 | 0.0 | 0.0 | 100.0 |
| Busia | 35,952 | 1.1 | 45.0 | 24.5 | 21.2 | 8.2 | 0.0 | 0.0 | 100.0 |
| Kakamega | 113,193 | 11.2 | 10.2 | 36.7 | 31.8 | 9.3 | 0.0 | 0.9 | 100.0 |
| Vihiga | 52,359 | 4.8 | 0.0 | 36.5 | 58.8 | 0.0 | 0.0 | 0.0 | 100.0 |
| Total Rural | 2,360,925 | 15.0 | 12.0 | 12.1 | 31.7 | 27.0 | 0.6 | 1.4 | 100.0 |
| Total Urban | 635,328 | 52.8 | 37.8 | 1.3 | 2.1 | 0.9 | 4.7 | 0.5 | 100.0 |
| Nairobi | 271,771 | 57.4 | 42.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Mombasa | 106,004 | 31.9 | 50.4 | 1.6 | 0.0 | 0.0 | 16.1 | 0.0 | 100.0 |
| Kisumu | 22,947 | 25.0 | 47.2 | 0.6 | 9.0 | 0.0 | 18.2 | 0.0 | 100.0 |
| Nakuru | 52,963 | 48.5 | 44.1 | 0.0 | 4.5 | 0.0 | 0.8 | 2.1 | 100.0 |
| Other urban | 181,643 | 62.8 | 20.2 | 3.5 | 4.7 | 3.3 | 4.4 | 1.1 | 100.0 |
| Nation | 2,996,253 | 23.0 | 17.5 | 9.8 | 25.4 | 21.5 | 1.4 | 1.2 | 100.0 |

Annex 8.7 Distribution of households by Wall type (%)

| | N | Poor | | | | | | Non-Poor | | | | | |
|--------------------------|------------------|-----------------|------------------|-------------|------------|------------|--------------|-----------------|------------------|-------------|------------|------------|--------------|
| | | Mud/ cowdung | Stone/ bricks | Wood | Iron sheet | Other | All | Mud/ cowdung | Stone/ bricks | Wood | Iron sheet | Other | All |
| Central Rural | 213,415 | 54.9 | 9.0 | 32.2 | 3.0 | 0.8 | 100.0 | 35.5 | 21.6 | 37.5 | 4.8 | 0.5 | 100.0 |
| Kiambu | 47,638 | 28.9 | 14.7 | 44.2 | 11.2 | 1.1 | 100.0 | 12.7 | 31.9 | 43.0 | 12.0 | 0.4 | 100.0 |
| Kirinyaga | 31,824 | 70.8 | 8.5 | 20.7 | 0.0 | 0.0 | 100.0 | 58.3 | 11.3 | 27.8 | 2.6 | 0.0 | 100.0 |
| Muranga | 72,627 | 79.4 | 7.7 | 9.5 | 1.5 | 1.8 | 100.0 | 59.8 | 22.8 | 13.5 | 2.7 | 1.3 | 100.0 |
| Nyandarua | 19,158 | 52.5 | 7.1 | 40.5 | 0.0 | 0.0 | 100.0 | 40.8 | 11.1 | 47.8 | 0.2 | 0.0 | 100.0 |
| Nyeri | 42,169 | 31.2 | 6.0 | 62.8 | 0.0 | 0.0 | 100.0 | 26.2 | 16.0 | 57.4 | 0.3 | 0.0 | 100.0 |
| Coast Rural | 134,010 | 84.9 | 11.6 | 0.6 | 0.9 | 2.0 | 100.0 | 55.6 | 38.3 | 1.2 | 1.5 | 3.3 | 100.0 |
| Kilifi | 58,978 | 93.4 | 3.7 | 0.0 | 1.7 | 1.2 | 100.0 | 53.7 | 42.0 | 1.9 | 1.9 | 0.5 | 100.0 |
| Kwale | 43,218 | 83.6 | 14.6 | 0.0 | 0.0 | 1.8 | 100.0 | 62.5 | 37.1 | 0.0 | 0.0 | 0.4 | 100.0 |
| Lamu | 3,615 | 62.4 | 37.6 | 0.0 | 0.0 | 0.0 | 100.0 | 67.7 | 32.3 | 0.0 | 0.0 | 0.0 | 100.0 |
| Taita Taveta | 26,169 | 71.8 | 22.1 | 3.0 | 0.7 | 2.5 | 100.0 | 44.5 | 44.7 | 3.2 | 5.4 | 2.2 | 100.0 |
| Tana River | 2,030 | 75.6 | 0.0 | 0.0 | 0.0 | 24.4 | 100.0 | 36.2 | 0.0 | 0.0 | 0.0 | 63.8 | 100.0 |
| Eastern Rural | 377,733 | 55.4 | 29.8 | 11.2 | 0.8 | 2.9 | 100.0 | 39.3 | 31.9 | 24.7 | 1.2 | 2.8 | 100.0 |
| Mbeere | 15,846 | 77.5 | 19.9 | 0.0 | 0.0 | 2.6 | 100.0 | 50.6 | 39.8 | 0.0 | 4.9 | 4.7 | 100.0 |
| Embu | 20,709 | 71.4 | 2.9 | 24.7 | 1.0 | 0.0 | 100.0 | 54.3 | 12.4 | 33.3 | 0.0 | 0.0 | 100.0 |
| Kitui | 76,346 | 56.5 | 26.6 | 6.5 | 1.4 | 9.1 | 100.0 | 36.4 | 47.9 | 3.7 | 5.3 | 6.7 | 100.0 |
| Machakos | 83,626 | 21.9 | 72.9 | 0.0 | 0.9 | 4.3 | 100.0 | 12.0 | 82.0 | 0.0 | 0.0 | 6.0 | 100.0 |
| Meru | 25,521 | 46.0 | 2.9 | 51.1 | 0.0 | 0.0 | 100.0 | 11.9 | 3.8 | 84.3 | 0.0 | 0.0 | 100.0 |
| Makueni | 71,554 | 63.7 | 36.3 | 0.0 | 0.0 | 0.0 | 100.0 | 39.2 | 55.6 | 0.0 | 1.2 | 4.1 | 100.0 |
| Tharaka Nithi | 31,516 | 78.1 | 2.2 | 16.9 | 2.8 | 0.0 | 100.0 | 80.8 | 1.1 | 18.1 | 0.0 | 0.0 | 100.0 |
| Nyambene | 52,615 | 73.9 | 0.0 | 26.1 | 0.0 | 0.0 | 100.0 | 54.8 | 1.0 | 44.2 | 0.0 | 0.0 | 100.0 |
| Nyanza Rural | 496,553 | 92.8 | 6.9 | 0.1 | 0.2 | 0.0 | 100.0 | 79.8 | 19.3 | 0.0 | 0.5 | 0.4 | 100.0 |
| Kisii | 65,271 | 96.1 | 3.9 | 0.0 | 0.0 | 0.0 | 100.0 | 80.4 | 18.7 | 0.2 | 0.7 | 0.0 | 100.0 |
| Kisumu | 71,967 | 95.3 | 3.7 | 0.7 | 0.3 | 0.0 | 100.0 | 81.9 | 17.5 | 0.0 | 0.7 | 0.0 | 100.0 |
| Siaya | 90,813 | 90.2 | 9.8 | 0.0 | 0.0 | 0.0 | 100.0 | 80.9 | 18.8 | 0.0 | 0.0 | 0.3 | 100.0 |
| Homa Bay | 80,198 | 95.1 | 4.9 | 0.0 | 0.0 | 0.0 | 100.0 | 73.3 | 26.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Migori | 75,268 | 85.3 | 14.7 | 0.0 | 0.0 | 0.0 | 100.0 | 88.1 | 10.1 | 0.0 | 0.0 | 1.8 | 100.0 |
| Nyamira | 113,035 | 94.7 | 4.6 | 0.0 | 0.8 | 0.0 | 100.0 | 70.2 | 28.3 | 0.0 | 1.5 | 0.0 | 100.0 |
| Rift Valley Rural | 479,477 | 78.7 | 8.2 | 12.4 | 0.2 | 0.5 | 100.0 | 61.5 | 17.3 | 19.3 | 1.4 | 0.5 | 100.0 |
| Kajiado | 13,788 | 71.5 | 6.7 | 15.7 | 3.3 | 2.8 | 100.0 | 63.2 | 11.8 | 15.1 | 8.1 | 1.9 | 100.0 |
| Kericho | 60,922 | 79.7 | 9.4 | 10.1 | 0.0 | 0.8 | 100.0 | 65.6 | 27.3 | 6.1 | 0.9 | 0.0 | 100.0 |
| Laikipia | 14,567 | 49.1 | 0.0 | 49.0 | 0.0 | 1.9 | 100.0 | 33.2 | 4.1 | 62.7 | 0.0 | 0.0 | 100.0 |
| Nakuru | 80,657 | 57.6 | 10.0 | 32.1 | 0.0 | 0.3 | 100.0 | 41.7 | 24.3 | 31.9 | 0.7 | 1.3 | 100.0 |
| Nandi | 60,715 | 80.4 | 19.3 | 0.3 | 0.0 | 0.0 | 100.0 | 55.1 | 42.7 | 0.9 | 0.5 | 0.8 | 100.0 |
| Narok | 21,876 | 86.6 | 11.4 | 2.0 | 0.0 | 0.0 | 100.0 | 67.4 | 23.9 | 8.7 | 0.0 | 0.0 | 100.0 |
| Bomet | 55,982 | 85.6 | 10.5 | 3.9 | 0.0 | 0.0 | 100.0 | 80.6 | 12.5 | 6.8 | 0.0 | 0.0 | 100.0 |
| Transmara | 24,135 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 97.6 | 2.4 | 0.0 | 0.0 | 0.0 | 100.0 |
| Baringo | 23,878 | 71.2 | 3.6 | 21.2 | 2.8 | 1.1 | 100.0 | 62.9 | 8.6 | 23.1 | 4.7 | 0.6 | 100.0 |
| Elgeyo-Marakwet | 21,499 | 87.1 | 2.2 | 10.7 | 0.0 | 0.0 | 100.0 | 69.1 | 4.0 | 26.5 | 0.4 | 0.0 | 100.0 |
| Trans Nzoia | 44,555 | 98.8 | 1.2 | 0.0 | 0.0 | 0.0 | 100.0 | 95.3 | 4.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 27,228 | 83.7 | 4.5 | 11.0 | 0.0 | 0.7 | 100.0 | 66.4 | 18.2 | 15.4 | 0.0 | 0.0 | 100.0 |
| West Pokot | 29,676 | 77.9 | 4.4 | 16.4 | 0.0 | 1.2 | 100.0 | 86.1 | 2.8 | 7.5 | 3.7 | 0.0 | 100.0 |
| Western Rural | 307,028 | 94.6 | 4.7 | 0.0 | 0.0 | 0.7 | 100.0 | 79.7 | 20.2 | 0.0 | 0.0 | 0.1 | 100.0 |
| Bungoma | 67,223 | 93.6 | 5.8 | 0.0 | 0.0 | 0.6 | 100.0 | 83.0 | 16.6 | 0.0 | 0.0 | 0.5 | 100.0 |
| Busia | 55,085 | 94.4 | 5.6 | 0.0 | 0.0 | 0.0 | 100.0 | 89.5 | 10.5 | 0.0 | 0.0 | 0.0 | 100.0 |
| Kakamega | 110,185 | 92.5 | 6.0 | 0.0 | 0.0 | 1.5 | 100.0 | 74.3 | 25.7 | 0.0 | 0.0 | 0.0 | 100.0 |
| Vihiga | 74,535 | 98.9 | 1.1 | 0.0 | 0.0 | 0.0 | 100.0 | 80.4 | 19.6 | 0.0 | 0.0 | 0.0 | 100.0 |
| Total Rural | 2,008,215 | 78.1 | 11.7 | 8.5 | 0.6 | 1.0 | 100.0 | 56.3 | 22.3 | 18.5 | 2.0 | 0.9 | 100.0 |
| Total Urban | 477,448 | 42.8 | 40.8 | 9.0 | 6.6 | 0.9 | 100.0 | 17.7 | 68.4 | 5.7 | 6.0 | 2.1 | 100.0 |
| Nairobi | 231,043 | 52.7 | 29.8 | 7.0 | 10.5 | 0.0 | 100.0 | 21.2 | 64.6 | 3.7 | 10.5 | 0.0 | 100.0 |
| Mombasa | 51,393 | 49.6 | 50.4 | 0.0 | 0.0 | 0.0 | 100.0 | 19.8 | 76.2 | 0.6 | 0.3 | 3.1 | 100.0 |
| Kisumu | 30,796 | 44.0 | 45.6 | 1.5 | 8.9 | 0.0 | 100.0 | 22.1 | 69.7 | 2.0 | 5.1 | 1.1 | 100.0 |
| Nakuru | 26,378 | 22.8 | 64.5 | 4.6 | 0.0 | 8.0 | 100.0 | 10.5 | 69.1 | 7.4 | 1.6 | 11.4 | 100.0 |
| Other urban | 137,838 | 27.2 | 50.1 | 18.1 | 3.1 | 1.4 | 100.0 | 12.8 | 69.1 | 11.7 | 4.2 | 2.1 | 100.0 |
| Nation | 2,485,663 | 71.3 | 17.3 | 8.6 | 1.8 | 1.0 | 100.0 | 48.1 | 32.0 | 15.8 | 2.8 | 1.2 | 100.0 |

Annex 8.8 Distribution of households by Type of Floor (%)

| | N | Poor | | | | | Non-Poor | | | | |
|--------------------------|------------------|-----------------|------------------------|------------|------------|--------------|-----------------|------------------------|------------|------------|--------------|
| | | Mud/ cowdung | Stone Cement/bricks | Wood | Other | All | Mud/ cowdung | Stone Cement/bricks | Wood | Other | All |
| Central Rural | 213,415 | 84.7 | 13.9 | 0.5 | 1.0 | 100.0 | 65.6 | 33.4 | 1.0 | 0.0 | 100.0 |
| Kiambu | 47,638 | 72.2 | 27.0 | 0.8 | 0.0 | 100.0 | 45.5 | 52.9 | 1.6 | 0.0 | 100.0 |
| Kirinyaga | 31,824 | 93.2 | 6.8 | 0.0 | 0.0 | 100.0 | 79.0 | 20.2 | 0.8 | 0.0 | 100.0 |
| Muranga | 72,627 | 87.7 | 9.5 | 0.0 | 2.8 | 100.0 | 74.1 | 25.5 | 0.3 | 0.0 | 100.0 |
| Nyandarua | 19,158 | 86.0 | 14.0 | 0.0 | 0.0 | 100.0 | 76.3 | 22.6 | 1.2 | 0.0 | 100.0 |
| Nyeri | 42,169 | 86.5 | 12.0 | 1.4 | 0.0 | 100.0 | 72.9 | 26.2 | 0.9 | 0.0 | 100.0 |
| Coast Rural | 134,010 | 88.9 | 10.7 | 0.0 | 0.4 | 100.0 | 55.4 | 44.5 | 0.0 | 0.1 | 100.0 |
| Kilifi | 58,978 | 94.9 | 5.1 | 0.0 | 0.0 | 100.0 | 52.4 | 47.6 | 0.0 | 0.0 | 100.0 |
| Kwale | 43,218 | 85.3 | 14.7 | 0.0 | 0.0 | 100.0 | 54.6 | 45.4 | 0.0 | 0.0 | 100.0 |
| Lamu | 3,615 | 76.0 | 24.0 | 0.0 | 0.0 | 100.0 | 63.1 | 36.9 | 0.0 | 0.0 | 100.0 |
| Taita Taveta | 26,169 | 83.4 | 14.6 | 0.0 | 2.0 | 100.0 | 50.4 | 48.5 | 0.0 | 1.0 | 100.0 |
| Tana River | 2,030 | 87.5 | 12.5 | 0.0 | 0.0 | 100.0 | 95.2 | 4.8 | 0.0 | 0.0 | 100.0 |
| Eastern Rural | 377,733 | 79.2 | 19.5 | 0.2 | 1.2 | 100.0 | 59.5 | 39.5 | 0.5 | 0.6 | 100.0 |
| Mbeere | 15,846 | 87.1 | 12.9 | 0.0 | 0.0 | 100.0 | 60.7 | 39.3 | 0.0 | 0.0 | 100.0 |
| Embu | 20,709 | 84.1 | 15.9 | 0.0 | 0.0 | 100.0 | 68.4 | 31.6 | 0.0 | 0.0 | 100.0 |
| Kitui | 76,346 | 84.0 | 13.7 | 0.0 | 2.3 | 100.0 | 55.4 | 44.1 | 0.0 | 0.5 | 100.0 |
| Machakos | 83,626 | 58.2 | 38.6 | 0.0 | 3.2 | 100.0 | 35.4 | 61.6 | 0.0 | 3.0 | 100.0 |
| Meru | 25,521 | 86.6 | 10.4 | 2.9 | 0.0 | 100.0 | 48.2 | 51.8 | 0.0 | 0.0 | 100.0 |
| Makueni | 71,554 | 76.0 | 24.0 | 0.0 | 0.0 | 100.0 | 46.7 | 53.3 | 0.0 | 0.0 | 100.0 |
| Tharaka Nithi | 31,516 | 90.6 | 9.4 | 0.0 | 0.0 | 100.0 | 86.3 | 9.5 | 4.2 | 0.0 | 100.0 |
| Nyambene | 52,615 | 95.0 | 5.0 | 0.0 | 0.0 | 100.0 | 81.9 | 18.1 | 0.0 | 0.0 | 100.0 |
| Nyanza Rural | 496,553 | 91.1 | 8.0 | 0.1 | 0.8 | 100.0 | 77.1 | 22.6 | 0.1 | 0.3 | 100.0 |
| Kisii | 65,271 | 96.8 | 3.2 | 0.0 | 0.0 | 100.0 | 80.2 | 19.8 | 0.0 | 0.0 | 100.0 |
| Kisumu | 71,967 | 92.2 | 6.8 | 0.7 | 0.4 | 100.0 | 75.2 | 24.8 | 0.0 | 0.0 | 100.0 |
| Siaya | 90,813 | 87.4 | 12.1 | 0.0 | 0.5 | 100.0 | 76.5 | 22.8 | 0.5 | 0.3 | 100.0 |
| Homa Bay | 80,198 | 94.1 | 5.9 | 0.0 | 0.0 | 100.0 | 69.1 | 30.9 | 0.0 | 0.0 | 100.0 |
| Migori | 75,268 | 81.3 | 14.7 | 0.0 | 4.0 | 100.0 | 88.0 | 11.1 | 0.0 | 0.9 | 100.0 |
| Nyamira | 113,035 | 94.8 | 5.2 | 0.0 | 0.0 | 100.0 | 68.0 | 32.0 | 0.0 | 0.0 | 100.0 |
| Rift Valley Rural | 479,477 | 87.4 | 10.9 | 1.0 | 0.7 | 100.0 | 71.3 | 26.6 | 1.4 | 0.7 | 100.0 |
| Kajiado | 13,788 | 78.7 | 11.3 | 1.5 | 8.5 | 100.0 | 68.2 | 27.9 | 1.3 | 2.6 | 100.0 |
| Kericho | 60,922 | 84.5 | 14.3 | 0.0 | 1.2 | 100.0 | 67.5 | 32.5 | 0.0 | 0.0 | 100.0 |
| Laikipia | 14,567 | 83.6 | 16.4 | 0.0 | 0.0 | 100.0 | 83.3 | 14.3 | 2.4 | 0.0 | 100.0 |
| Nakuru | 80,657 | 87.7 | 11.3 | 1.0 | 0.0 | 100.0 | 63.3 | 34.5 | 0.5 | 1.6 | 100.0 |
| Nandi | 60,715 | 75.4 | 23.4 | 0.0 | 1.2 | 100.0 | 47.9 | 52.1 | 0.0 | 0.0 | 100.0 |
| Narok | 21,876 | 88.6 | 0.0 | 11.4 | 0.0 | 100.0 | 74.5 | 21.2 | 4.3 | 0.0 | 100.0 |
| Bomet | 55,982 | 84.7 | 14.9 | 0.4 | 0.0 | 100.0 | 82.1 | 16.5 | 1.4 | 0.0 | 100.0 |
| Transmara | 24,135 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 | 92.7 | 7.3 | 0.0 | 0.0 | 100.0 |
| Baringo | 23,878 | 85.5 | 12.4 | 2.2 | 0.0 | 100.0 | 71.2 | 26.2 | 2.0 | 0.6 | 100.0 |
| Elgeyo-Marakwet | 21,499 | 90.1 | 5.8 | 2.5 | 1.5 | 100.0 | 78.7 | 15.7 | 4.5 | 1.1 | 100.0 |
| Trans Nzoia | 44,555 | 98.2 | 1.8 | 0.0 | 0.0 | 100.0 | 90.9 | 9.1 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 27,228 | 94.9 | 5.1 | 0.0 | 0.0 | 100.0 | 67.0 | 28.4 | 4.6 | 0.0 | 100.0 |
| West Pokot | 29,676 | 92.9 | 5.6 | 0.0 | 1.5 | 100.0 | 83.6 | 16.4 | 0.0 | 0.0 | 100.0 |
| Western Rural | 307,028 | 94.4 | 5.6 | 0.0 | 0.0 | 100.0 | 77.8 | 20.9 | 0.0 | 1.2 | 100.0 |
| Bungoma | 67,223 | 94.5 | 5.5 | 0.0 | 0.0 | 100.0 | 81.2 | 18.3 | 0.0 | 0.5 | 100.0 |
| Busia | 55,085 | 94.6 | 5.4 | 0.0 | 0.0 | 100.0 | 85.4 | 14.6 | 0.0 | 0.0 | 100.0 |
| Kakamega | 110,185 | 92.5 | 7.5 | 0.0 | 0.0 | 100.0 | 72.1 | 25.2 | 0.0 | 2.7 | 100.0 |
| Vihiga | 74,535 | 96.9 | 3.1 | 0.0 | 0.0 | 100.0 | 80.4 | 19.6 | 0.0 | 0.0 | 100.0 |
| Total Rural | 2,008,215 | 87.7 | 11.3 | 0.3 | 0.7 | 100.0 | 69.0 | 29.8 | 0.7 | 0.5 | 100.0 |
| Total Urban | 477,448 | 37.9 | 61.7 | 0.2 | 0.2 | 100.0 | 12.6 | 83.1 | 2.7 | 1.6 | 100.0 |
| Nairobi | 231,043 | 47.4 | 52.6 | 0.0 | 0.0 | 100.0 | 14.7 | 77.0 | 5.1 | 3.3 | 100.0 |
| Mombasa | 51,393 | 38.5 | 60.1 | 0.0 | 1.4 | 100.0 | 7.5 | 92.0 | 0.6 | 0.0 | 100.0 |
| Kisumu | 30,796 | 28.7 | 70.5 | 0.8 | 0.0 | 100.0 | 14.2 | 83.7 | 2.0 | 0.0 | 100.0 |
| Nakuru | 26,378 | 12.2 | 87.8 | 0.0 | 0.0 | 100.0 | 4.3 | 94.9 | 0.8 | 0.0 | 100.0 |
| Other urban | 137,838 | 28.9 | 70.5 | 0.7 | 0.0 | 100.0 | 14.8 | 83.4 | 1.0 | 0.7 | 100.0 |
| Nation | 2,485,663 | 78.1 | 21.0 | 0.3 | 0.6 | 100.0 | 57.1 | 41.1 | 1.1 | 0.7 | 100.0 |

Annex 8.5c: Percentage distribution of Non-Poor households by number of Rooms and number of people sleeping in the main dwelling house

| | N | Number of rooms | | | | | | | Number sleeping in main room | | | |
|--------------------------|------------------|-----------------|-------------|-------------|-------------|------------|------------|--------------|------------------------------|-------------|------------|--------------|
| | | 1 | 2 | 3 | 4-5 | 6-10 | 11+ | All | 1-4 | 5-9 | 10+ | All |
| Central Rural | 621,334 | 11.8 | 19.9 | 39.7 | 24.4 | 4.2 | 0.0 | 100.0 | 71.2 | 27.9 | 0.9 | 100.0 |
| Kiambu | 196,386 | 14.4 | 12.0 | 41.5 | 25.9 | 6.2 | 0.0 | 100.0 | 69.3 | 29.3 | 1.4 | 100.0 |
| Kirinyaga | 72,303 | 10.2 | 26.9 | 47.0 | 15.0 | 0.9 | 0.0 | 100.0 | 72.4 | 27.6 | 0.0 | 100.0 |
| Muranga | 153,243 | 6.9 | 16.7 | 38.5 | 33.9 | 4.0 | 0.0 | 100.0 | 68.9 | 30.5 | 0.6 | 100.0 |
| Nyandarua | 66,341 | 16.7 | 28.9 | 35.9 | 15.1 | 3.4 | 0.0 | 100.0 | 75.4 | 23.8 | 0.8 | 100.0 |
| Nyeri | 133,062 | 11.8 | 26.8 | 36.3 | 21.3 | 3.8 | 0.0 | 100.0 | 74.1 | 25.0 | 0.9 | 100.0 |
| Coast Rural | 126,702 | 30.6 | 22.4 | 22.1 | 20.9 | 3.9 | 0.0 | 100.0 | 63.6 | 32.3 | 4.2 | 100.0 |
| Kilifi | 52,939 | 43.5 | 21.8 | 21.3 | 13.0 | 0.4 | 0.0 | 100.0 | 67.2 | 28.9 | 3.9 | 100.0 |
| Kwale | 41,687 | 24.2 | 19.9 | 21.8 | 29.9 | 4.2 | 0.0 | 100.0 | 62.4 | 31.9 | 5.7 | 100.0 |
| Lamu | 8,899 | 14.3 | 34.9 | 28.2 | 17.4 | 5.3 | 0.0 | 100.0 | 64.0 | 31.8 | 4.2 | 100.0 |
| Taita Taveta | 17,859 | 12.5 | 24.6 | 17.6 | 31.1 | 14.3 | 0.0 | 100.0 | 62.7 | 34.7 | 2.6 | 100.0 |
| Tana River | 5,318 | 38.3 | 19.9 | 38.0 | 3.8 | 0.0 | 0.0 | 100.0 | 38.7 | 61.3 | 0.0 | 100.0 |
| Eastern Rural | 332,281 | 21.3 | 27.7 | 28.0 | 19.7 | 3.3 | 0.0 | 100.0 | 71.6 | 27.3 | 1.0 | 100.0 |
| Mbeere | 20,600 | 25.2 | 38.5 | 30.3 | 6.1 | 0.0 | 0.0 | 100.0 | 72.9 | 27.1 | 0.0 | 100.0 |
| Embu | 17,988 | 3.9 | 11.2 | 36.6 | 38.7 | 9.6 | 0.0 | 100.0 | 58.3 | 41.7 | 0.0 | 100.0 |
| Kitui | 49,588 | 47.6 | 22.2 | 13.3 | 13.7 | 3.2 | 0.0 | 100.0 | 64.7 | 32.6 | 2.7 | 100.0 |
| Machakos | 58,285 | 12.4 | 14.4 | 37.9 | 28.5 | 6.8 | 0.0 | 100.0 | 61.8 | 34.7 | 3.4 | 100.0 |
| Meru | 46,402 | 7.9 | 26.0 | 36.7 | 24.8 | 4.6 | 0.0 | 100.0 | 72.9 | 27.1 | 0.0 | 100.0 |
| Makueni | 38,317 | 18.8 | 40.1 | 17.5 | 19.2 | 4.4 | 0.0 | 100.0 | 74.8 | 25.2 | 0.0 | 100.0 |
| Tharaka Nithi | 36,357 | 33.2 | 22.6 | 20.2 | 23.9 | 0.0 | 0.0 | 100.0 | 78.6 | 21.4 | 0.0 | 100.0 |
| Nyambene | 64,744 | 16.7 | 41.2 | 32.0 | 10.1 | 0.0 | 0.0 | 100.0 | 82.5 | 17.5 | 0.0 | 100.0 |
| Nyanza Rural | 387,970 | 19.7 | 39.3 | 31.3 | 7.9 | 1.9 | 0.0 | 100.0 | 88.7 | 11.2 | 0.1 | 100.0 |
| Kisii | 59,441 | 1.7 | 29.9 | 53.5 | 9.3 | 5.6 | 0.0 | 100.0 | 87.0 | 13.0 | 0.0 | 100.0 |
| Kisumu | 46,959 | 15.9 | 61.0 | 16.5 | 4.5 | 2.1 | 0.0 | 100.0 | 82.9 | 17.1 | 0.0 | 100.0 |
| Siaya | 92,867 | 37.9 | 32.2 | 20.1 | 8.1 | 1.7 | 0.0 | 100.0 | 94.1 | 5.9 | 0.0 | 100.0 |
| Homa Bay | 31,936 | 28.6 | 41.2 | 22.0 | 8.1 | 0.0 | 0.0 | 100.0 | 90.8 | 7.9 | 1.3 | 100.0 |
| Migori | 81,664 | 17.7 | 55.6 | 24.2 | 1.6 | 0.9 | 0.0 | 100.0 | 88.6 | 11.4 | 0.0 | 100.0 |
| Nyamira | 75,103 | 11.8 | 24.1 | 48.1 | 15.1 | 0.8 | 0.0 | 100.0 | 86.0 | 14.0 | 0.0 | 100.0 |
| Rift Valley Rural | 613,546 | 29.9 | 36.2 | 22.5 | 10.0 | 1.4 | 0.0 | 100.0 | 71.1 | 26.8 | 2.0 | 100.0 |
| Kajiado | 44,261 | 16.9 | 38.0 | 32.7 | 11.0 | 1.4 | 0.0 | 100.0 | 66.6 | 29.3 | 4.1 | 100.0 |
| Kericho | 66,075 | 30.1 | 52.8 | 14.7 | 2.4 | 0.0 | 0.0 | 100.0 | 74.2 | 24.0 | 1.8 | 100.0 |
| Laikipia | 44,960 | 11.1 | 39.7 | 37.7 | 8.1 | 3.4 | 0.0 | 100.0 | 65.3 | 33.7 | 1.0 | 100.0 |
| Nakuru | 141,307 | 36.5 | 22.1 | 29.4 | 10.0 | 1.9 | 0.0 | 100.0 | 71.5 | 27.7 | 0.8 | 100.0 |
| Nandi | 42,447 | 23.4 | 29.3 | 19.7 | 24.9 | 2.7 | 0.0 | 100.0 | 78.3 | 21.7 | 0.0 | 100.0 |
| Narok | 27,452 | 23.4 | 37.0 | 21.8 | 17.8 | 0.0 | 0.0 | 100.0 | 63.8 | 30.4 | 5.8 | 100.0 |
| Bomet | 39,883 | 16.1 | 59.5 | 15.7 | 8.0 | 0.7 | 0.0 | 100.0 | 85.6 | 12.0 | 2.5 | 100.0 |
| Transmara | 20,832 | 9.5 | 72.9 | 15.2 | 2.4 | 0.0 | 0.0 | 100.0 | 77.8 | 22.2 | 0.0 | 100.0 |
| Baringo | 51,891 | 57.5 | 22.9 | 13.6 | 5.1 | 0.8 | 0.0 | 100.0 | 73.5 | 19.7 | 6.9 | 100.0 |
| Elgeyo-Marakwet | 31,333 | 47.4 | 31.1 | 12.2 | 9.3 | 0.0 | 0.0 | 100.0 | 68.2 | 30.8 | 1.0 | 100.0 |
| Trans Nzoia | 40,056 | 34.4 | 35.9 | 19.2 | 9.4 | 1.1 | 0.0 | 100.0 | 77.1 | 22.9 | 0.0 | 100.0 |
| Uasin Gishu | 45,556 | 13.2 | 40.8 | 26.6 | 16.9 | 2.5 | 0.0 | 100.0 | 50.3 | 46.7 | 3.0 | 100.0 |
| West Pokot | 17,493 | 64.2 | 27.6 | 2.4 | 4.6 | 1.1 | 0.0 | 100.0 | 75.1 | 24.9 | 0.0 | 100.0 |
| Western Rural | 272,306 | 27.0 | 29.3 | 17.9 | 20.2 | 5.3 | 0.4 | 100.0 | 78.8 | 20.2 | 1.0 | 100.0 |
| Bungoma | 71,202 | 32.1 | 37.0 | 14.8 | 12.8 | 3.3 | 0.0 | 100.0 | 66.3 | 31.1 | 2.6 | 100.0 |
| Busia | 35,952 | 71.2 | 17.8 | 6.6 | 3.4 | 1.0 | 0.0 | 100.0 | 80.8 | 19.2 | 0.0 | 100.0 |
| Kakamega | 112,793 | 21.9 | 35.8 | 20.2 | 17.8 | 3.4 | 0.9 | 100.0 | 84.9 | 14.2 | 0.9 | 100.0 |
| Vihiga | 52,359 | 0.0 | 12.1 | 24.9 | 47.6 | 15.4 | 0.0 | 100.0 | 81.2 | 18.8 | 0.0 | 100.0 |
| Total Rural | 2,354,138 | 21.9 | 29.6 | 28.8 | 16.6 | 3.1 | 0.0 | 100.0 | 74.6 | 24.1 | 1.3 | 100.0 |
| Total Urban | 631,217 | 50.3 | 19.5 | 14.4 | 12.2 | 3.6 | 0.0 | 100.0 | 78.4 | 20.6 | 1.0 | 100.0 |
| Nairobi | 268,066 | 52.0 | 14.5 | 9.2 | 19.5 | 4.9 | 0.0 | 100.0 | 73.9 | 25.2 | 0.9 | 100.0 |
| Mombasa | 106,004 | 46.0 | 21.4 | 17.9 | 7.9 | 6.8 | 0.0 | 100.0 | 81.8 | 15.6 | 2.7 | 100.0 |
| Kisumu | 22,947 | 47.4 | 18.4 | 24.7 | 7.0 | 2.5 | 0.0 | 100.0 | 73.6 | 25.6 | 0.8 | 100.0 |
| Nakuru | 52,963 | 48.5 | 25.8 | 21.0 | 4.3 | 0.4 | 0.0 | 100.0 | 80.3 | 19.3 | 0.4 | 100.0 |
| Other urban | 181,237 | 51.5 | 23.5 | 16.3 | 7.6 | 1.1 | 0.0 | 100.0 | 83.2 | 16.4 | 0.4 | 100.0 |
| Nation | 2,985,356 | 27.8 | 27.5 | 25.8 | 15.7 | 3.2 | 0.0 | 100.0 | 75.4 | 23.4 | 1.2 | 100.0 |

Annex 8.6: Distribution of households by Type of Roofing material (%)

| Region | Poor | | | | | | Non-Poor | | | | | |
|--------------------------|-----------------|---------------------------|------------------|-------------|-------|-------|-----------------|----------------------------|------------------|-------------|-------|-------|
| | Mud/ cowdung | Stone Cement bricks | Grass/ makuti | Iron sheets | Other | Total | Mud/ cowdung | Stone Cement/ bricks | Grass/ makuti | Iron sheets | Other | Total |
| Central Rural | 2.0 | 0.4 | 5.9 | 87.7 | 4.0 | 100.0 | 1.2 | 1.8 | 3.0 | 92.1 | 1.8 | 100.0 |
| Kiambu | 0.0 | 1.9 | 0.0 | 90.5 | 7.7 | 100.0 | 0.2 | 3.7 | 1.4 | 94.5 | 0.2 | 100.0 |
| Kirinyaga | 9.3 | 0.0 | 6.1 | 84.6 | 0.0 | 100.0 | 5.4 | 0.5 | 3.6 | 90.5 | 0.0 | 100.0 |
| Muranga | 1.6 | 0.0 | 4.1 | 88.9 | 5.4 | 100.0 | 1.4 | 1.0 | 3.2 | 89.3 | 5.2 | 100.0 |
| Nyandarua | 0.9 | 0.0 | 20.7 | 78.4 | 0.0 | 100.0 | 1.9 | 3.2 | 5.9 | 88.7 | 0.3 | 100.0 |
| Nyeri | 0.0 | 0.0 | 8.8 | 88.9 | 2.3 | 100.0 | 0.0 | 0.0 | 3.6 | 94.7 | 1.8 | 100.0 |
| Coast Rural | 1.1 | 0.4 | 76.9 | 20.3 | 1.3 | 100.0 | 0.9 | 1.8 | 57.2 | 39.9 | 0.1 | 100.0 |
| Kilifi | 0.4 | 0.0 | 91.9 | 7.7 | 0.0 | 100.0 | 0.0 | 1.9 | 53.2 | 44.9 | 0.0 | 100.0 |
| Kwale | 2.9 | 1.1 | 88.1 | 7.9 | 0.0 | 100.0 | 1.8 | 1.7 | 76.3 | 20.1 | 0.0 | 100.0 |
| Lamu | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 100.0 | 0.0 | 3.1 | 63.2 | 33.7 | 0.0 | 100.0 |
| Taita Taveta | 0.0 | 0.0 | 19.4 | 73.9 | 6.7 | 100.0 | 2.4 | 0.0 | 10.7 | 85.9 | 1.0 | 100.0 |
| Tana River | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 100.0 | 0.0 | 4.8 | 92.9 | 2.4 | 0.0 | 100.0 |
| Eastern Rural | 2.2 | 0.9 | 31.9 | 64.5 | 0.5 | 100.0 | 0.4 | 1.3 | 16.4 | 80.7 | 1.2 | 100.0 |
| Mbeere | 0.0 | 0.0 | 50.2 | 49.8 | 0.0 | 100.0 | 0.0 | 0.0 | 26.4 | 73.6 | 0.0 | 100.0 |
| Embu | 0.0 | 0.0 | 6.7 | 92.0 | 1.3 | 100.0 | 0.0 | 0.0 | 1.8 | 98.2 | 0.0 | 100.0 |
| Kitui | 1.3 | 1.6 | 56.7 | 40.2 | 0.2 | 100.0 | 0.5 | 4.7 | 33.5 | 60.7 | 0.5 | 100.0 |
| Machakos | 0.0 | 0.8 | 16.4 | 81.1 | 1.6 | 100.0 | 0.0 | 1.1 | 12.7 | 83.8 | 2.3 | 100.0 |
| Meru | 10.8 | 2.0 | 11.9 | 75.2 | 0.0 | 100.0 | 0.0 | 1.0 | 1.9 | 95.4 | 1.6 | 100.0 |
| Makueni | 3.8 | 1.6 | 38.9 | 55.6 | 0.0 | 100.0 | 3.0 | 2.0 | 28.7 | 62.2 | 4.1 | 100.0 |
| Tharaka Nithi | 1.6 | 0.0 | 20.1 | 78.3 | 0.0 | 100.0 | 0.0 | 0.0 | 16.2 | 83.8 | 0.0 | 100.0 |
| Nyambene | 2.4 | 0.0 | 32.2 | 65.4 | 0.0 | 100.0 | 0.0 | 0.0 | 10.6 | 89.4 | 0.0 | 100.0 |
| Nyanza Rural | 1.8 | 0.3 | 47.7 | 49.8 | 0.4 | 100.0 | 1.8 | 1.2 | 40.0 | 55.7 | 1.3 | 100.0 |
| Kisii | 2.3 | 0.0 | 33.0 | 64.7 | 0.0 | 100.0 | 5.2 | 0.2 | 28.6 | 66.0 | 0.0 | 100.0 |
| Kisumu | 1.2 | 0.0 | 47.9 | 50.9 | 0.0 | 100.0 | 0.0 | 0.0 | 39.8 | 60.2 | 0.0 | 100.0 |
| Siaya | 2.3 | 1.5 | 67.0 | 29.2 | 0.0 | 100.0 | 1.1 | 2.5 | 42.1 | 54.3 | 0.0 | 100.0 |
| Homa Bay | 0.0 | 0.0 | 61.6 | 38.4 | 0.0 | 100.0 | 0.0 | 0.0 | 51.5 | 48.5 | 0.0 | 100.0 |
| Migori | 0.0 | 0.0 | 62.3 | 37.7 | 0.0 | 100.0 | 3.0 | 0.0 | 59.7 | 37.4 | 0.0 | 100.0 |
| Nyamira | 4.1 | 0.0 | 20.9 | 73.4 | 1.6 | 100.0 | 0.6 | 2.8 | 20.4 | 69.7 | 6.5 | 100.0 |
| Rift Valley Rural | 3.8 | 0.8 | 51.0 | 44.1 | 0.5 | 100.0 | 4.4 | 1.0 | 30.8 | 62.3 | 1.5 | 100.0 |
| Kajiado | 43.8 | 0.0 | 13.1 | 43.0 | 0.0 | 100.0 | 41.3 | 0.0 | 10.6 | 47.6 | 0.5 | 100.0 |
| Kericho | 0.0 | 0.0 | 46.9 | 53.1 | 0.0 | 100.0 | 0.5 | 0.0 | 37.2 | 62.3 | 0.0 | 100.0 |
| Laikipia | 0.0 | 1.7 | 26.1 | 72.2 | 0.0 | 100.0 | 0.0 | 0.5 | 23.0 | 74.8 | 1.7 | 100.0 |
| Nakuru | 1.0 | 0.0 | 25.9 | 71.2 | 2.0 | 100.0 | 0.9 | 0.2 | 11.4 | 85.3 | 2.1 | 100.0 |
| Nandi | 0.7 | 2.3 | 50.6 | 46.4 | 0.0 | 100.0 | 0.0 | 9.2 | 23.8 | 64.9 | 2.1 | 100.0 |
| Narok | 5.5 | 5.2 | 67.7 | 20.1 | 1.4 | 100.0 | 7.6 | 2.7 | 39.9 | 41.2 | 8.7 | 100.0 |
| Bomet | 5.2 | 0.0 | 43.1 | 51.2 | 0.5 | 100.0 | 0.0 | 0.0 | 30.5 | 68.7 | 0.8 | 100.0 |
| Transmara | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 70.6 | 29.4 | 0.0 | 100.0 |
| Baringo | 5.4 | 0.0 | 57.9 | 36.7 | 0.0 | 100.0 | 1.3 | 0.7 | 51.9 | 45.5 | 0.5 | 100.0 |
| Elgeyo-Marakwet | 4.0 | 0.0 | 73.7 | 22.3 | 0.0 | 100.0 | 5.0 | 0.0 | 47.6 | 45.6 | 1.8 | 100.0 |
| Trans Nzoia | 4.4 | 0.0 | 64.2 | 31.4 | 0.0 | 100.0 | 0.4 | 0.8 | 51.5 | 47.3 | 0.0 | 100.0 |
| Uasin Gishu | 0.2 | 1.2 | 50.5 | 48.1 | 0.0 | 100.0 | 0.6 | 1.0 | 31.7 | 64.9 | 1.8 | 100.0 |
| West Pokot | 8.1 | 1.9 | 79.4 | 10.6 | 0.0 | 100.0 | 13.9 | 0.0 | 47.0 | 39.1 | 0.0 | 100.0 |
| Western Rural | 1.0 | 0.4 | 47.5 | 51.0 | 0.1 | 100.0 | 2.3 | 0.1 | 43.1 | 54.2 | 0.2 | 100.0 |
| Bungoma | 1.8 | 0.0 | 50.2 | 47.7 | 0.3 | 100.0 | 1.8 | 0.0 | 51.2 | 46.1 | 0.9 | 100.0 |
| Busia | 0.5 | 0.8 | 81.5 | 17.3 | 0.0 | 100.0 | 0.0 | 0.7 | 73.2 | 26.1 | 0.0 | 100.0 |
| Kakamega | 0.0 | 0.6 | 42.6 | 56.7 | 0.0 | 100.0 | 4.4 | 0.0 | 42.1 | 53.5 | 0.0 | 100.0 |
| Vihiga | 2.1 | 0.0 | 27.3 | 70.6 | 0.0 | 100.0 | 0.0 | 0.0 | 13.8 | 86.2 | 0.0 | 100.0 |
| Total Rural | 2.2 | 0.6 | 43.0 | 53.5 | 0.8 | 100.0 | 2.2 | 1.2 | 25.8 | 69.6 | 1.3 | 100.0 |
| Total Urban | 0.5 | 5.4 | 8.9 | 80.9 | 0.0 | 100.0 | 0.1 | 17.8 | 3.4 | 72.0 | 0.0 | 100.0 |
| Nairobi | 0.0 | 7.3 | 0.0 | 90.7 | 2.0 | 100.0 | 0.0 | 27.2 | 0.9 | 65.5 | 6.3 | 100.0 |
| Mombasa | 0.0 | 0.6 | 53.8 | 35.5 | 10.1 | 100.0 | 0.0 | 16.8 | 12.8 | 64.7 | 5.7 | 100.0 |
| Kisumu | 2.1 | 5.6 | 6.7 | 83.0 | 2.6 | 100.0 | 2.4 | 7.3 | 0.0 | 83.6 | 6.7 | 100.0 |
| Nakuru | 0.0 | 0.8 | 2.1 | 86.1 | 10.9 | 100.0 | 0.0 | 3.4 | 0.0 | 87.1 | 9.5 | 100.0 |
| Other urban | 1.2 | 4.8 | 8.8 | 79.9 | 5.2 | 100.0 | 0.1 | 10.2 | 3.1 | 80.0 | 6.6 | 100.0 |
| Nation | 1.9 | 1.5 | 36.4 | 58.7 | 0.7 | 100.0 | 1.7 | 4.7 | 21.1 | 70.1 | 1.0 | 100.0 |

Annex 9.3 Time taken by households to collect water during dry season (%)

| | N | Poor | | | | | Non-Poor | | | | | |
|--------------------------|------------------|--------------|---------------|---------------|-------------|--------------|------------------|--------------|---------------|---------------|-------------|--------------|
| | | < 10 minutes | 10-29 minutes | 30-59 minutes | 60+ | Total | N | < 10 minutes | 10-29 minutes | 30-59 minutes | 60+ | Total |
| Central Rural | 213,415 | 25.4 | 61.5 | 9.6 | 3.5 | 100.0 | 623,638 | 35.0 | 53.2 | 8.1 | 3.7 | 100.0 |
| Kiambu | 47,638 | 30.9 | 45.7 | 20.4 | 3.0 | 100.0 | 197,563 | 45.5 | 42.6 | 10.8 | 1.0 | 100.0 |
| Kirinyaga | 31,824 | 12.3 | 73.9 | 11.5 | 2.4 | 100.0 | 73,429 | 12.9 | 74.0 | 6.5 | 6.6 | 100.0 |
| Muranga | 72,627 | 28.5 | 63.9 | 5.7 | 1.8 | 100.0 | 153,243 | 26.1 | 64.9 | 7.0 | 1.9 | 100.0 |
| Nyandarua | 19,158 | 26.8 | 50.3 | 6.8 | 16.1 | 100.0 | 66,341 | 43.6 | 40.2 | 6.3 | 9.9 | 100.0 |
| Nyeri | 42,169 | 23.1 | 71.1 | 4.0 | 1.9 | 100.0 | 133,062 | 37.7 | 50.2 | 7.0 | 5.1 | 100.0 |
| Coast Rural | 134,155 | 15.6 | 37.9 | 15.1 | 31.3 | 100.0 | 126,826 | 31.0 | 46.3 | 6.6 | 16.1 | 100.0 |
| Kilifi | 58,978 | 13.4 | 35.7 | 8.8 | 42.0 | 100.0 | 52,939 | 43.7 | 30.2 | 2.2 | 23.9 | 100.0 |
| Kwale | 43,218 | 14.1 | 25.8 | 28.9 | 31.1 | 100.0 | 41,687 | 19.0 | 64.5 | 10.2 | 6.3 | 100.0 |
| Lamu | 3,615 | 6.1 | 45.4 | 0.0 | 48.4 | 100.0 | 8,899 | 37.0 | 30.0 | 5.7 | 27.3 | 100.0 |
| Taita Taveta | 26,169 | 22.7 | 60.4 | 9.4 | 7.5 | 100.0 | 17,859 | 24.9 | 63.7 | 6.0 | 5.5 | 100.0 |
| Tana River | 2,175 | 34.9 | 52.7 | 6.7 | 5.7 | 100.0 | 5,442 | 9.3 | 33.0 | 26.6 | 31.1 | 100.0 |
| Eastern Rural | 377,733 | 9.6 | 47.9 | 11.6 | 30.9 | 100.0 | 334,615 | 22.3 | 38.0 | 7.4 | 32.4 | 100.0 |
| Mbeere | 15,846 | 11.4 | 11.1 | 19.9 | 57.6 | 100.0 | 20,600 | 38.1 | 21.0 | 7.3 | 33.6 | 100.0 |
| Embu | 20,709 | 30.5 | 64.0 | 0.0 | 5.5 | 100.0 | 17,988 | 26.8 | 69.4 | 0.0 | 3.9 | 100.0 |
| Kitui | 76,346 | 1.4 | 23.3 | 17.0 | 58.4 | 100.0 | 49,894 | 7.8 | 21.1 | 10.2 | 60.9 | 100.0 |
| Machakos | 83,626 | 4.9 | 37.9 | 26.9 | 30.4 | 100.0 | 58,285 | 20.9 | 33.4 | 8.7 | 37.0 | 100.0 |
| Meru | 25,521 | 43.8 | 43.2 | 2.3 | 10.8 | 100.0 | 46,402 | 59.2 | 25.0 | 9.6 | 6.2 | 100.0 |
| Makueni | 71,554 | 4.0 | 60.8 | 2.5 | 32.7 | 100.0 | 39,869 | 14.2 | 40.8 | 17.9 | 27.1 | 100.0 |
| Tharaka Nithi | 31,516 | 19.6 | 67.8 | 2.8 | 9.7 | 100.0 | 36,357 | 18.8 | 64.3 | 1.1 | 15.8 | 100.0 |
| Nyambene | 52,615 | 5.7 | 77.3 | 3.5 | 13.5 | 100.0 | 65,219 | 9.0 | 44.5 | 1.5 | 45.0 | 100.0 |
| Nyanza Rural | 497,006 | 6.6 | 64.5 | 14.3 | 14.6 | 100.0 | 388,033 | 13.9 | 60.9 | 14.0 | 11.1 | 100.0 |
| Kisii | 65,271 | 10.6 | 53.5 | 25.8 | 10.0 | 100.0 | 59,503 | 11.9 | 60.5 | 19.1 | 8.5 | 100.0 |
| Kisumu | 71,967 | 11.5 | 68.3 | 14.4 | 5.8 | 100.0 | 46,959 | 15.5 | 70.4 | 10.8 | 3.2 | 100.0 |
| Siaya | 91,266 | 6.7 | 76.5 | 6.7 | 10.1 | 100.0 | 92,867 | 21.9 | 58.2 | 11.3 | 8.6 | 100.0 |
| Homa Bay | 80,198 | 5.8 | 46.3 | 22.0 | 25.9 | 100.0 | 31,936 | 9.6 | 56.2 | 16.9 | 17.4 | 100.0 |
| Migori | 75,268 | 6.3 | 48.2 | 12.4 | 33.1 | 100.0 | 81,664 | 3.1 | 66.1 | 14.4 | 16.4 | 100.0 |
| Nyamira | 113,035 | 1.6 | 82.6 | 9.6 | 6.2 | 100.0 | 75,103 | 18.4 | 54.8 | 13.8 | 13.0 | 100.0 |
| Rift Valley Rural | 479,823 | 20.8 | 62.6 | 8.0 | 8.6 | 100.0 | 614,652 | 24.7 | 55.0 | 9.1 | 11.2 | 100.0 |
| Kajiado | 13,788 | 23.8 | 44.8 | 10.7 | 20.6 | 100.0 | 44,261 | 19.0 | 55.4 | 11.6 | 14.0 | 100.0 |
| Kericho | 61,268 | 19.4 | 70.7 | 7.8 | 2.2 | 100.0 | 66,075 | 26.6 | 64.1 | 1.3 | 8.0 | 100.0 |
| Laikipia | 14,567 | 16.0 | 47.7 | 29.0 | 7.4 | 100.0 | 44,960 | 17.5 | 62.9 | 16.5 | 3.0 | 100.0 |
| Nakuru | 80,657 | 17.7 | 59.5 | 3.4 | 19.3 | 100.0 | 141,996 | 33.7 | 38.0 | 9.9 | 18.4 | 100.0 |
| Nandi | 60,715 | 37.3 | 61.2 | 1.0 | 0.5 | 100.0 | 42,638 | 54.6 | 45.4 | 0.0 | 0.0 | 100.0 |
| Narok | 21,876 | 16.5 | 60.6 | 14.0 | 8.9 | 100.0 | 27,452 | 21.5 | 56.8 | 15.2 | 6.5 | 100.0 |
| Bomet | 55,982 | 35.3 | 55.5 | 4.2 | 5.1 | 100.0 | 39,883 | 35.6 | 54.7 | 4.7 | 5.0 | 100.0 |
| Transmara | 24,135 | 0.0 | 62.6 | 22.5 | 14.9 | 100.0 | 20,832 | 2.4 | 61.8 | 16.0 | 19.8 | 100.0 |
| Baringo | 23,878 | 2.0 | 44.1 | 14.5 | 39.4 | 100.0 | 52,117 | 2.7 | 52.6 | 16.0 | 28.8 | 100.0 |
| Elgeyo-Marakwet | 21,499 | 9.9 | 77.4 | 10.7 | 2.1 | 100.0 | 31,333 | 8.6 | 76.4 | 7.7 | 7.4 | 100.0 |
| Trans Nzoia | 44,555 | 27.9 | 61.9 | 10.2 | 0.0 | 100.0 | 40,056 | 19.9 | 60.8 | 11.2 | 8.1 | 100.0 |
| Uasin Gishu | 27,228 | 24.7 | 71.0 | 3.8 | 0.5 | 100.0 | 45,556 | 26.0 | 66.4 | 5.4 | 2.2 | 100.0 |
| West Pokot | 29,676 | 1.6 | 85.9 | 7.3 | 5.2 | 100.0 | 17,493 | 13.8 | 76.0 | 7.7 | 2.5 | 100.0 |
| Western Rural | 307,028 | 13.6 | 78.5 | 6.6 | 1.3 | 100.0 | 273,161 | 23.0 | 73.1 | 3.3 | 0.6 | 100.0 |
| Bungoma | 67,223 | 9.3 | 75.6 | 12.8 | 2.2 | 100.0 | 71,658 | 12.9 | 77.0 | 7.9 | 2.1 | 100.0 |
| Busia | 55,085 | 4.9 | 87.6 | 5.0 | 2.5 | 100.0 | 35,952 | 13.2 | 85.7 | 1.1 | 0.0 | 100.0 |
| Kakamega | 110,185 | 17.4 | 75.5 | 6.0 | 1.1 | 100.0 | 113,193 | 35.6 | 62.2 | 2.2 | 0.0 | 100.0 |
| Vihiga | 74,535 | 18.2 | 78.8 | 3.0 | 0.0 | 100.0 | 52,359 | 16.0 | 83.0 | 1.0 | 0.0 | 100.0 |
| Total Rural | 2,009,160 | 14.2 | 61.0 | 10.6 | 14.1 | 100.0 | 2,360,925 | 25.5 | 54.7 | 8.6 | 11.2 | 100.0 |
| Total Urban | 478,552 | 60.0 | 36.9 | 1.5 | 1.6 | 100.0 | 635,328 | 74.6 | 22.0 | 1.8 | 1.5 | 100.0 |
| Nairobi | 231,043 | 60.3 | 39.2 | 0.5 | 0.0 | 100.0 | 271,771 | 75.7 | 23.2 | 1.1 | 0.0 | 100.0 |
| Mombasa | 52,127 | 56.7 | 42.7 | 0.0 | 0.6 | 100.0 | 106,004 | 80.0 | 19.1 | 0.7 | 0.3 | 100.0 |
| Kisumu | 30,796 | 49.4 | 48.7 | 1.9 | 0.0 | 100.0 | 22,947 | 62.9 | 33.2 | 2.8 | 1.1 | 100.0 |
| Nakuru | 26,378 | 54.0 | 38.4 | 5.8 | 1.9 | 100.0 | 52,963 | 62.8 | 28.9 | 4.9 | 3.4 | 100.0 |
| Other urban | 138,208 | 64.2 | 27.9 | 3.0 | 4.8 | 100.0 | 181,643 | 74.8 | 18.6 | 2.7 | 4.0 | 100.0 |
| Nation | 2,487,712 | 23.0 | 56.4 | 8.9 | 11.7 | 100.0 | 2,996,253 | 35.9 | 47.8 | 7.2 | 9.2 | 100.0 |

Annex 9.4: Time taken by households to collect water during wet season (%)

| | N | Poor | | | | | Non-Poor | | | | | |
|--------------------------|------------------|-----------------|------------------|------------------|------------|--------------|------------------|-----------------|------------------|------------------|------------|--------------|
| | | < 10 minutes | 10-29 minutes | 30-59 minutes | 60+ | Total | N | < 10 minutes | 10-29 minutes | 30-59 minutes | 60+ | Total |
| Central Rural | 213,415 | 49.6 | 42.5 | 6.6 | 1.3 | 100.0 | 623,638 | 58.9 | 36.4 | 3.0 | 1.7 | 100.0 |
| Kiambu | 47,638 | 51.3 | 34.7 | 11.0 | 3.0 | 100.0 | 197,563 | 66.1 | 31.0 | 1.9 | 1.0 | 100.0 |
| Kirinyaga | 31,824 | 28.7 | 51.9 | 16.5 | 3.0 | 100.0 | 73,429 | 35.0 | 53.4 | 6.4 | 5.3 | 100.0 |
| Muranga | 72,627 | 57.7 | 38.2 | 4.1 | 0.0 | 100.0 | 153,243 | 47.9 | 48.5 | 3.6 | 0.0 | 100.0 |
| Nyandarua | 19,158 | 55.7 | 43.1 | 1.2 | 0.0 | 100.0 | 66,341 | 72.1 | 23.3 | 2.3 | 2.3 | 100.0 |
| Nyeri | 42,169 | 46.9 | 51.4 | 0.8 | 1.0 | 100.0 | 133,062 | 67.4 | 27.8 | 2.4 | 2.4 | 100.0 |
| Coast Rural | 134,155 | 25.5 | 63.7 | 6.8 | 4.1 | 100.0 | 126,826 | 36.4 | 54.6 | 4.6 | 4.4 | 100.0 |
| Kilifi | 58,978 | 24.7 | 66.3 | 1.6 | 7.3 | 100.0 | 52,939 | 46.9 | 43.3 | 3.7 | 6.1 | 100.0 |
| Kwale | 43,218 | 20.1 | 64.5 | 14.7 | 0.7 | 100.0 | 41,687 | 19.9 | 77.5 | 1.7 | 1.0 | 100.0 |
| Lamu | 3,615 | 19.1 | 69.4 | 0.0 | 11.5 | 100.0 | 8,899 | 47.2 | 44.3 | 5.7 | 2.8 | 100.0 |
| Taita Taveta | 26,169 | 36.3 | 55.8 | 6.2 | 1.6 | 100.0 | 17,859 | 46.7 | 46.8 | 6.6 | 0.0 | 100.0 |
| Tana River | 2,175 | 34.9 | 58.4 | 6.7 | 0.0 | 100.0 | 5,442 | 9.3 | 33.0 | 26.6 | 31.1 | 100.0 |
| Eastern Rural | 377,733 | 19.6 | 64.9 | 9.1 | 6.4 | 100.0 | 334,615 | 34.7 | 51.5 | 7.2 | 6.6 | 100.0 |
| Mbeere | 15,846 | 17.5 | 60.9 | 15.8 | 5.8 | 100.0 | 20,600 | 47.5 | 41.1 | 6.7 | 4.7 | 100.0 |
| Embu | 20,709 | 40.1 | 56.6 | 2.1 | 1.2 | 100.0 | 17,988 | 46.4 | 52.5 | 1.1 | 0.0 | 100.0 |
| Kitui | 76,346 | 8.3 | 62.9 | 17.0 | 11.8 | 100.0 | 49,894 | 18.5 | 47.3 | 17.2 | 17.0 | 100.0 |
| Machakos | 83,626 | 26.5 | 60.2 | 7.5 | 5.8 | 100.0 | 58,285 | 30.8 | 57.2 | 9.6 | 2.5 | 100.0 |
| Meru | 25,521 | 49.8 | 47.5 | 0.0 | 2.7 | 100.0 | 46,402 | 81.0 | 19.0 | 0.0 | 0.0 | 100.0 |
| Makueni | 71,554 | 12.3 | 67.8 | 12.1 | 7.8 | 100.0 | 39,869 | 23.8 | 53.4 | 13.0 | 9.8 | 100.0 |
| Tharaka Nithi | 31,516 | 27.8 | 60.3 | 4.3 | 7.6 | 100.0 | 36,357 | 33.1 | 52.2 | 3.7 | 11.0 | 100.0 |
| Nyambene | 52,615 | 7.9 | 87.0 | 3.8 | 1.4 | 100.0 | 65,219 | 17.8 | 74.2 | 2.8 | 5.2 | 100.0 |
| Nyanza Rural | 497,006 | 20.0 | 70.3 | 4.7 | 4.9 | 100.0 | 388,033 | 30.1 | 59.1 | 7.7 | 3.0 | 100.0 |
| Kisii | 65,271 | 11.3 | 78.0 | 10.5 | 0.2 | 100.0 | 59,503 | 20.1 | 65.6 | 14.3 | 0.0 | 100.0 |
| Kisumu | 71,967 | 26.3 | 68.0 | 2.4 | 3.4 | 100.0 | 46,959 | 31.5 | 62.4 | 3.1 | 3.0 | 100.0 |
| Siaya | 91,266 | 20.6 | 76.1 | 2.8 | 0.5 | 100.0 | 92,867 | 33.4 | 61.2 | 5.0 | 0.3 | 100.0 |
| Homa Bay | 80,198 | 33.4 | 64.0 | 2.6 | 0.0 | 100.0 | 31,936 | 48.4 | 47.0 | 4.7 | 0.0 | 100.0 |
| Migori | 75,268 | 31.3 | 38.5 | 5.8 | 24.5 | 100.0 | 81,664 | 28.9 | 60.4 | 2.9 | 7.8 | 100.0 |
| Nyamira | 113,035 | 3.6 | 88.4 | 5.3 | 2.8 | 100.0 | 75,103 | 26.6 | 53.1 | 15.4 | 5.0 | 100.0 |
| Rift Valley Rural | 479,823 | 33.2 | 59.3 | 4.9 | 2.6 | 100.0 | 614,652 | 45.0 | 47.6 | 4.3 | 3.1 | 100.0 |
| Kajiado | 13,788 | 39.0 | 42.5 | 7.2 | 11.4 | 100.0 | 44,261 | 30.2 | 59.9 | 4.7 | 5.2 | 100.0 |
| Kericho | 61,268 | 28.7 | 64.4 | 4.7 | 2.2 | 100.0 | 66,075 | 38.9 | 53.4 | 0.6 | 7.1 | 100.0 |
| Laikipia | 14,567 | 23.6 | 48.5 | 23.8 | 4.2 | 100.0 | 44,960 | 32.6 | 57.1 | 9.2 | 1.1 | 100.0 |
| Nakuru | 80,657 | 42.0 | 51.2 | 0.6 | 6.2 | 100.0 | 141,996 | 67.9 | 25.7 | 4.2 | 2.2 | 100.0 |
| Nandi | 60,715 | 43.5 | 55.0 | 1.0 | 0.5 | 100.0 | 42,638 | 64.2 | 35.8 | 0.0 | 0.0 | 100.0 |
| Narok | 21,876 | 34.0 | 62.7 | 3.3 | 0.0 | 100.0 | 27,452 | 40.8 | 41.3 | 16.0 | 1.9 | 100.0 |
| Bomet | 55,982 | 54.7 | 42.5 | 1.6 | 1.3 | 100.0 | 39,883 | 65.4 | 32.7 | 0.0 | 1.8 | 100.0 |
| Transmara | 24,135 | 5.9 | 69.1 | 19.4 | 5.7 | 100.0 | 20,832 | 10.4 | 56.2 | 10.8 | 22.5 | 100.0 |
| Baringo | 23,878 | 32.5 | 63.2 | 1.2 | 3.1 | 100.0 | 52,117 | 25.4 | 68.8 | 4.1 | 1.7 | 100.0 |
| Elgeyo-Marakwet | 21,499 | 16.4 | 75.3 | 7.3 | 1.0 | 100.0 | 31,333 | 27.3 | 64.8 | 6.9 | 1.0 | 100.0 |
| Trans Nzoia | 44,555 | 28.3 | 62.0 | 9.1 | 0.6 | 100.0 | 40,056 | 24.2 | 68.8 | 4.2 | 2.8 | 100.0 |
| Uasin Gishu | 27,228 | 28.0 | 68.9 | 3.1 | 0.0 | 100.0 | 45,556 | 47.4 | 49.9 | 2.1 | 0.6 | 100.0 |
| West Pokot | 29,676 | 5.8 | 86.9 | 6.5 | 0.8 | 100.0 | 17,493 | 36.5 | 63.5 | 0.0 | 0.0 | 100.0 |
| Western Rural | 307,028 | 17.7 | 76.0 | 5.8 | 0.6 | 100.0 | 273,161 | 31.8 | 64.9 | 2.9 | 0.4 | 100.0 |
| Bungoma | 67,223 | 11.1 | 77.0 | 11.4 | 0.4 | 100.0 | 71,658 | 14.3 | 78.7 | 5.6 | 1.4 | 100.0 |
| Busia | 55,085 | 5.8 | 89.8 | 3.9 | 0.4 | 100.0 | 35,952 | 15.1 | 84.9 | 0.0 | 0.0 | 100.0 |
| Kakamega | 110,185 | 17.4 | 76.4 | 5.1 | 1.1 | 100.0 | 113,193 | 38.0 | 59.1 | 3.0 | 0.0 | 100.0 |
| Vihiga | 74,535 | 32.6 | 64.3 | 3.0 | 0.0 | 100.0 | 52,359 | 54.1 | 44.9 | 1.0 | 0.0 | 100.0 |
| Total Rural | 2,009,160 | 26.2 | 64.1 | 6.1 | 3.5 | 100.0 | 2,360,925 | 42.8 | 49.5 | 4.8 | 3.0 | 100.0 |
| Total Urban | 478,552 | 64.9 | 34.5 | 0.2 | 0.4 | 100.0 | 635,328 | 77.9 | 19.9 | 0.4 | 1.8 | 100.0 |
| Nairobi | 231,043 | 63.0 | 37.0 | 0.0 | 0.0 | 100.0 | 271,771 | 78.5 | 18.8 | 0.0 | 2.8 | 100.0 |
| Mombasa | 52,127 | 69.9 | 29.4 | 0.7 | 0.0 | 100.0 | 106,004 | 80.2 | 19.8 | 0.0 | 0.0 | 100.0 |
| Kisumu | 30,796 | 53.0 | 46.2 | 0.8 | 0.0 | 100.0 | 22,947 | 65.4 | 31.2 | 2.2 | 1.1 | 100.0 |
| Nakuru | 26,378 | 64.2 | 35.8 | 0.0 | 0.0 | 100.0 | 52,963 | 69.3 | 30.7 | 0.0 | 0.0 | 100.0 |
| Other urban | 138,208 | 69.0 | 29.4 | 0.4 | 1.3 | 100.0 | 181,643 | 79.8 | 17.1 | 1.0 | 2.0 | 100.0 |
| Nation | 2,487,712 | 33.7 | 58.4 | 4.9 | 2.9 | 100.0 | 2,996,253 | 50.2 | 43.2 | 3.8 | 2.7 | 100.0 |

Annex 9.5 Households by access to safe water (%)

| | Dry Season | | | | Wet Season | | | |
|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Poor | | Non-poor | | Poor | | Non-poor | |
| | Safe | Unsafe | Safe | Unsafe | Safe | Unsafe | Safe | Unsafe |
| Central Rural | 27.1 | 72.9 | 39.5 | 60.5 | 28.2 | 71.8 | 38.2 | 61.8 |
| Kiambu | 48.1 | 51.9 | 61.2 | 38.8 | 31.5 | 68.5 | 46.8 | 53.2 |
| Kirinyaga | 10.2 | 89.8 | 17.0 | 83.0 | 16.1 | 83.9 | 22.1 | 77.9 |
| Muranga | 20.3 | 79.7 | 29.4 | 70.6 | 27.7 | 72.3 | 28.2 | 71.8 |
| Nyandarua | 32.2 | 67.8 | 30.6 | 69.4 | 34.7 | 65.3 | 37.2 | 62.8 |
| Nyeri | 25.7 | 74.3 | 35.6 | 64.4 | 31.7 | 68.3 | 46.3 | 53.7 |
| Coast Rural | 44.7 | 55.3 | 56.5 | 43.5 | 38.8 | 61.2 | 55.9 | 44.1 |
| Kilifi | 48.0 | 52.0 | 61.2 | 38.8 | 34.9 | 65.1 | 57.5 | 42.5 |
| Kwale | 37.8 | 62.2 | 55.4 | 44.6 | 31.7 | 68.3 | 53.0 | 47.0 |
| Lamu | 34.7 | 65.3 | 68.9 | 31.1 | 30.1 | 69.9 | 61.3 | 38.7 |
| Taita Taveta | 50.3 | 49.7 | 52.5 | 47.5 | 60.5 | 39.5 | 68.1 | 31.9 |
| Tana River | 40.7 | 59.3 | 13.0 | 87.0 | 40.7 | 59.3 | 13.0 | 87.0 |
| Eastern Rural | 30.6 | 69.4 | 40.6 | 59.4 | 24.2 | 75.8 | 31.8 | 68.2 |
| Mbeere | 46.0 | 54.0 | 58.5 | 41.5 | 29.6 | 70.4 | 53.1 | 46.9 |
| Embu | 36.6 | 63.4 | 43.6 | 56.4 | 40.0 | 60.0 | 44.0 | 56.0 |
| Kitui | 9.8 | 90.2 | 9.3 | 90.7 | 5.5 | 94.5 | 3.3 | 96.7 |
| Machakos | 36.4 | 63.6 | 28.3 | 71.7 | 21.7 | 78.3 | 18.5 | 81.5 |
| Meru | 57.4 | 42.6 | 68.3 | 31.7 | 53.4 | 46.6 | 66.5 | 33.5 |
| Makueni | 14.2 | 85.8 | 32.8 | 67.2 | 12.1 | 87.9 | 25.0 | 75.0 |
| Tharaka Nithi | 43.7 | 56.3 | 36.2 | 63.8 | 42.2 | 57.8 | 45.4 | 54.6 |
| Nyambene | 46.1 | 53.9 | 56.7 | 43.3 | 38.9 | 61.1 | 27.4 | 72.6 |
| Nyanza Rural | 29.3 | 70.7 | 33.6 | 66.4 | 23.9 | 76.1 | 29.3 | 70.7 |
| Kisii | 62.8 | 37.2 | 44.7 | 55.3 | 61.0 | 39.0 | 45.3 | 54.7 |
| Kisumu | 38.4 | 61.6 | 58.6 | 41.4 | 26.6 | 73.4 | 42.2 | 57.8 |
| Siaya | 36.5 | 63.5 | 37.7 | 62.3 | 27.5 | 72.5 | 25.3 | 74.7 |
| Homa Bay | 13.5 | 86.5 | 27.5 | 72.5 | 4.4 | 95.6 | 21.0 | 79.0 |
| Migori | 4.4 | 95.6 | 3.8 | 96.2 | 0.9 | 99.1 | 2.1 | 97.9 |
| Nyamira | 26.2 | 73.8 | 38.9 | 61.1 | 27.1 | 72.9 | 46.9 | 53.1 |
| Rift Valley Rural | 27.6 | 72.4 | 41.4 | 58.6 | 25.6 | 74.4 | 38.7 | 61.3 |
| Kajiado | 53.3 | 46.7 | 45.5 | 54.5 | 46.3 | 53.7 | 40.8 | 59.2 |
| Kericho | 28.4 | 71.6 | 46.3 | 53.7 | 28.5 | 71.5 | 40.0 | 60.0 |
| Laikipia | 15.1 | 84.9 | 30.2 | 69.8 | 15.1 | 84.9 | 33.4 | 66.6 |
| Nakuru | 39.6 | 60.4 | 63.1 | 36.9 | 31.1 | 68.9 | 53.9 | 46.1 |
| Nandi | 31.8 | 68.2 | 47.0 | 53.0 | 32.2 | 67.8 | 49.0 | 51.0 |
| Narok | 0.0 | 100.0 | 18.1 | 81.9 | 1.4 | 98.6 | 18.1 | 81.9 |
| Bomet | 24.8 | 75.2 | 24.7 | 75.3 | 25.7 | 74.3 | 28.1 | 71.9 |
| Transmara | 0.0 | 100.0 | 0.0 | 100.0 | 0.0 | 100.0 | 0.0 | 100.0 |
| Baringo | 21.7 | 78.3 | 41.0 | 59.0 | 15.6 | 84.4 | 22.1 | 77.9 |
| Elgeyo-Marakwet | 12.6 | 87.4 | 11.2 | 88.8 | 9.1 | 90.9 | 28.9 | 71.1 |
| Trans Nzoia | 36.0 | 64.0 | 37.8 | 62.2 | 34.7 | 65.3 | 43.1 | 56.9 |
| Uasin Gishu | 51.2 | 48.8 | 50.7 | 49.3 | 51.6 | 48.4 | 44.2 | 55.8 |
| West Pokot | 8.5 | 91.5 | 15.7 | 84.3 | 7.8 | 92.2 | 40.0 | 60.0 |
| Western Rural | 58.4 | 41.6 | 63.9 | 36.1 | 56.7 | 43.3 | 56.9 | 43.1 |
| Bungoma | 56.6 | 43.4 | 60.9 | 39.1 | 55.3 | 44.7 | 59.8 | 40.2 |
| Busia | 60.2 | 39.8 | 69.3 | 30.7 | 64.1 | 35.9 | 70.6 | 29.4 |
| Kakamega | 54.5 | 45.5 | 60.5 | 39.5 | 49.6 | 50.4 | 58.1 | 41.9 |
| Vihiga | 64.7 | 35.3 | 71.7 | 28.3 | 63.1 | 36.9 | 41.2 | 58.8 |
| Total Rural | 34.4 | 65.6 | 42.9 | 57.1 | 30.8 | 69.2 | 39.1 | 60.9 |
| Total Urban | 80.6 | 19.4 | 90.2 | 9.8 | 80.7 | 19.3 | 91.9 | 8.1 |
| Nairobi | 77.7 | 22.3 | 100.0 | 0.0 | 77.7 | 22.3 | 100.0 | 0.0 |
| Mombasa | 90.2 | 9.8 | 80.5 | 19.5 | 89.5 | 10.5 | 83.9 | 16.1 |
| Kisumu | 78.2 | 21.8 | 64.5 | 35.5 | 78.6 | 21.4 | 72.8 | 27.2 |
| Nakuru | 96.3 | 3.7 | 95.2 | 4.8 | 90.7 | 9.3 | 92.6 | 7.4 |
| Other urban | 79.3 | 20.7 | 83.1 | 16.9 | 81.1 | 18.9 | 86.5 | 13.5 |
| Nation | 43.3 | 56.7 | 53.0 | 47.0 | 40.4 | 59.6 | 50.3 | 49.7 |

Annex 9.6a Type of toilet used by poor households (%)

| Region | N | None | Flush to sewer | Flush to septic tank | Pan/ bucket | Covered pit latrine | Uncovered pit latrine | VIP latrine | Other | Total |
|--------------------------|------------------|-------------|----------------|----------------------|-------------|---------------------|-----------------------|-------------|------------|--------------|
| Central Rural | 213,415 | 1.0 | 0.2 | 0.4 | 0.0 | 87.1 | 9.5 | 1.9 | 0.0 | 100.0 |
| Kiambu | 47,638 | 0.0 | 0.0 | 1.9 | 0.0 | 86.7 | 8.4 | 3.0 | 0.0 | 100.0 |
| Kirinyaga | 31,824 | 3.0 | 0.0 | 0.0 | 0.0 | 86.2 | 8.6 | 2.1 | 0.0 | 100.0 |
| Muranga | 72,627 | 1.1 | 0.6 | 0.0 | 0.0 | 95.9 | 1.4 | 0.9 | 0.0 | 100.0 |
| Nyandarua | 19,158 | 1.5 | 0.0 | 0.0 | 0.0 | 76.2 | 16.1 | 6.3 | 0.0 | 100.0 |
| Nyeri | 42,169 | 0.0 | 0.0 | 0.0 | 0.0 | 77.9 | 22.1 | 0.0 | 0.0 | 100.0 |
| Coast Rural | 134,155 | 49.9 | 0.0 | 0.5 | 0.0 | 43.9 | 2.7 | 1.3 | 1.7 | 100.0 |
| Kilifi | 58,978 | 59.7 | 0.0 | 0.0 | 0.0 | 37.3 | 1.5 | 0.0 | 1.6 | 100.0 |
| Kwale | 43,218 | 68.1 | 0.0 | 1.0 | 0.0 | 28.6 | 1.2 | 0.0 | 1.1 | 100.0 |
| Lamu | 3,615 | 9.3 | 0.0 | 0.0 | 0.0 | 79.5 | 11.2 | 0.0 | 0.0 | 100.0 |
| Taita Taveta | 26,169 | 7.2 | 0.0 | 0.0 | 0.0 | 79.5 | 6.1 | 6.5 | 0.7 | 100.0 |
| Tana River | 2,175 | 6.7 | 0.0 | 9.2 | 0.0 | 40.7 | 9.2 | 0.0 | 34.2 | 100.0 |
| Eastern Rural | 377,733 | 19.6 | 0.0 | 0.0 | 0.0 | 49.7 | 28.8 | 1.3 | 0.6 | 100.0 |
| Mbeere | 15,846 | 15.2 | 0.0 | 0.0 | 0.0 | 49.6 | 32.6 | 1.1 | 1.5 | 100.0 |
| Embu | 20,709 | 0.0 | 0.0 | 0.0 | 0.0 | 56.2 | 41.2 | 2.6 | 0.0 | 100.0 |
| Kitui | 76,346 | 57.9 | 0.0 | 0.0 | 0.0 | 28.8 | 11.0 | 1.0 | 1.4 | 100.0 |
| Machakos | 83,626 | 15.2 | 0.0 | 0.0 | 0.0 | 34.5 | 48.5 | 1.2 | 0.6 | 100.0 |
| Meru | 25,521 | 2.1 | 0.0 | 0.0 | 0.0 | 35.5 | 59.6 | 2.7 | 0.0 | 100.0 |
| Makueni | 71,554 | 10.2 | 0.0 | 0.0 | 0.0 | 76.6 | 11.3 | 1.2 | 0.6 | 100.0 |
| Tharaka Nithi | 31,516 | 8.2 | 0.0 | 0.0 | 0.0 | 49.2 | 40.0 | 2.7 | 0.0 | 100.0 |
| Nyambene | 52,615 | 8.0 | 0.0 | 0.0 | 0.0 | 72.2 | 19.8 | 0.0 | 0.0 | 100.0 |
| Nyanza Rural | 497,006 | 28.4 | 0.2 | 0.4 | 0.1 | 45.7 | 22.3 | 1.7 | 1.3 | 100.0 |
| Kisii | 65,271 | 0.8 | 0.0 | 0.0 | 0.0 | 54.5 | 44.7 | 0.0 | 0.0 | 100.0 |
| Kisumu | 71,967 | 31.9 | 0.7 | 0.0 | 0.0 | 44.9 | 18.3 | 3.1 | 1.0 | 100.0 |
| Siaya | 91,266 | 29.0 | 0.0 | 0.0 | 0.3 | 55.6 | 14.7 | 0.4 | 0.0 | 100.0 |
| Homa Bay | 80,198 | 57.2 | 0.0 | 0.0 | 0.0 | 27.3 | 10.8 | 0.8 | 3.9 | 100.0 |
| Migori | 75,268 | 56.1 | 0.0 | 0.0 | 0.0 | 29.8 | 10.6 | 0.0 | 3.5 | 100.0 |
| Nyamira | 113,035 | 2.5 | 0.6 | 1.7 | 0.0 | 56.6 | 34.2 | 4.4 | 0.0 | 100.0 |
| Rift Valley Rural | 479,823 | 28.3 | 0.7 | 0.1 | 0.1 | 46.1 | 16.8 | 1.1 | 6.9 | 100.0 |
| Kajiado | 13,788 | 58.2 | 0.0 | 0.0 | 0.0 | 19.0 | 22.8 | 0.0 | 0.0 | 100.0 |
| Kericho | 61,268 | 40.1 | 0.0 | 0.0 | 0.0 | 40.9 | 13.2 | 0.0 | 5.8 | 100.0 |
| Laikipia | 14,567 | 11.0 | 0.0 | 0.0 | 0.0 | 64.7 | 15.3 | 9.0 | 0.0 | 100.0 |
| Nakuru | 80,657 | 5.4 | 0.0 | 0.0 | 0.0 | 63.5 | 27.9 | 0.9 | 2.3 | 100.0 |
| Nandi | 60,715 | 8.2 | 0.0 | 0.0 | 0.5 | 52.8 | 17.8 | 2.8 | 18.0 | 100.0 |
| Narok | 21,876 | 71.0 | 11.4 | 0.0 | 0.0 | 5.8 | 10.4 | 1.4 | 0.0 | 100.0 |
| Bomet | 55,982 | 28.8 | 1.8 | 0.5 | 0.0 | 36.7 | 29.9 | 1.6 | 0.8 | 100.0 |
| Transmara | 24,135 | 61.2 | 0.0 | 0.0 | 0.0 | 5.7 | 2.1 | 7.0 | 31.0 | 100.0 |
| Baringo | 23,878 | 45.3 | 0.0 | 0.0 | 0.0 | 42.2 | 6.9 | 1.4 | 4.2 | 100.0 |
| Elgeyo-Marakwet | 21,499 | 40.9 | 0.0 | 0.0 | 0.0 | 48.2 | 9.6 | 0.0 | 1.2 | 100.0 |
| Trans Nzoia | 44,555 | 9.5 | 0.0 | 0.0 | 0.0 | 78.6 | 11.8 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 27,228 | 13.6 | 0.0 | 0.0 | 0.0 | 70.3 | 13.6 | 0.5 | 2.0 | 100.0 |
| West Pokot | 29,676 | 61.3 | 0.0 | 0.0 | 0.0 | 10.3 | 5.3 | 0.0 | 23.1 | 100.0 |
| Western Rural | 307,028 | 4.5 | 0.0 | 1.0 | 0.0 | 79.4 | 13.4 | 0.4 | 1.3 | 100.0 |
| Bungoma | 67,223 | 7.8 | 0.0 | 0.0 | 0.0 | 86.0 | 6.2 | 0.0 | 0.0 | 100.0 |
| Busia | 55,085 | 7.9 | 0.0 | 0.0 | 0.0 | 71.5 | 12.7 | 0.7 | 7.3 | 100.0 |
| Kakamega | 110,185 | 2.4 | 0.0 | 2.7 | 0.0 | 89.0 | 5.2 | 0.7 | 0.0 | 100.0 |
| Vihiga | 74,535 | 2.0 | 0.0 | 0.0 | 0.0 | 65.3 | 32.7 | 0.0 | 0.0 | 100.0 |
| Total Rural | 2,009,160 | 21.6 | 0.3 | 0.3 | 0.0 | 56.0 | 18.2 | 1.3 | 2.4 | 100.0 |
| Total Urban | 478,552 | 9.7 | 17.2 | 4.7 | 0.5 | 36.6 | 27.5 | 1.7 | 2.0 | 100.0 |
| Nairobi | 231,043 | 17.7 | 18.5 | 3.1 | 0.0 | 21.6 | 35.0 | 0.0 | 4.0 | 100.0 |
| Mombasa | 52,127 | 6.3 | 6.5 | 6.7 | 0.0 | 48.3 | 30.8 | 1.5 | 0.0 | 100.0 |
| Kisumu | 30,796 | 1.1 | 12.6 | 1.6 | 0.0 | 54.8 | 14.5 | 15.3 | 0.0 | 100.0 |
| Nakuru | 26,378 | 0.0 | 29.2 | 13.1 | 0.0 | 33.5 | 21.5 | 0.8 | 2.0 | 100.0 |
| Other urban | 138,208 | 1.3 | 17.7 | 5.8 | 1.8 | 53.8 | 17.7 | 1.9 | 0.0 | 100.0 |
| Nation | 2,487,712 | 19.3 | 3.5 | 1.2 | 0.1 | 52.2 | 20.0 | 1.4 | 2.3 | 100.0 |

Annex 9.6b Type of toilet used by Non-poor households

| | | None | Flush to sewer | Flush to septic tank | Pan/ bucket | Covered pit latrine | Uncovered pit latrine | VIP latrine | Other | |
|--------------------------|------------------|-------------|-------------------|-------------------------|----------------|------------------------|-----------------------------|----------------|------------|--------------|
| Central Rural | 623,638 | 0.8 | 1.1 | 2.2 | 0.1 | 83.2 | 7.4 | 5.1 | 0.1 | 100.0 |
| Kiambu | 197,563 | 0.0 | 2.2 | 4.3 | 0.2 | 78.2 | 6.3 | 8.4 | 0.3 | 100.0 |
| Kirinyaga | 73,429 | 3.4 | 0.0 | 0.5 | 0.0 | 87.6 | 5.4 | 3.0 | 0.0 | 100.0 |
| Muranga | 153,243 | 1.6 | 0.0 | 1.2 | 0.0 | 88.8 | 2.7 | 5.6 | 0.1 | 100.0 |
| Nyandarua | 66,341 | 0.4 | 0.2 | 4.1 | 0.3 | 76.0 | 14.9 | 4.1 | 0.0 | 100.0 |
| Nyeri | 133,062 | 0.0 | 1.5 | 0.3 | 0.0 | 85.2 | 11.7 | 1.3 | 0.0 | 100.0 |
| Coast Rural | 126,826 | 23.3 | 1.6 | 0.4 | 0.0 | 64.2 | 5.2 | 2.9 | 2.4 | 100.0 |
| Kilifi | 52,939 | 26.8 | 3.8 | 0.0 | 0.0 | 65.9 | 3.4 | 0.0 | 0.0 | 100.0 |
| Kwale | 41,687 | 25.9 | 0.0 | 0.0 | 0.0 | 62.2 | 2.9 | 2.4 | 6.6 | 100.0 |
| Lamu | 8,899 | 2.8 | 0.0 | 4.0 | 0.0 | 71.5 | 19.4 | 1.2 | 1.0 | 100.0 |
| Taita Taveta | 17,859 | 3.6 | 0.0 | 1.1 | 0.0 | 76.5 | 8.9 | 9.9 | 0.0 | 100.0 |
| Tana River | 5,442 | 67.8 | 0.0 | 0.0 | 0.1 | 9.3 | 3.7 | 14.7 | 4.6 | 100.0 |
| Eastern Rural | 334,615 | 13.2 | 0.1 | 0.1 | 0.4 | 56.1 | 25.4 | 4.0 | 0.6 | 100.0 |
| Mbeere | 20,600 | 5.4 | 2.4 | 0.0 | 3.8 | 44.6 | 39.0 | 1.2 | 3.5 | 100.0 |
| Embu | 17,988 | 1.7 | 0.0 | 0.0 | 0.0 | 55.3 | 40.7 | 2.3 | 0.0 | 100.0 |
| Kitui | 49,894 | 35.3 | 0.0 | 0.4 | 0.0 | 52.6 | 8.4 | 3.4 | 0.0 | 100.0 |
| Machakos | 58,285 | 13.9 | 0.0 | 0.0 | 0.0 | 37.2 | 36.3 | 11.7 | 0.9 | 100.0 |
| Meru | 46,402 | 2.3 | 0.0 | 0.0 | 0.0 | 39.4 | 56.0 | 2.3 | 0.0 | 100.0 |
| Makueni | 39,869 | 9.3 | 0.0 | 0.0 | 0.0 | 81.4 | 3.6 | 5.7 | 0.0 | 100.0 |
| Tharaka Nithi | 36,357 | 8.3 | 0.0 | 0.0 | 0.0 | 47.5 | 39.4 | 2.5 | 2.3 | 100.0 |
| Nyambene | 65,219 | 14.2 | 0.0 | 0.0 | 0.9 | 80.7 | 4.1 | 0.0 | 0.0 | 100.0 |
| Nyanza Rural | 388,033 | 24.8 | 1.1 | 0.4 | 0.1 | 50.5 | 20.6 | 2.0 | 0.4 | 100.0 |
| Kisii | 59,503 | 2.4 | 0.0 | 0.0 | 0.0 | 60.3 | 35.7 | 1.2 | 0.4 | 100.0 |
| Kisumu | 46,959 | 7.8 | 0.0 | 0.7 | 0.0 | 60.5 | 23.9 | 5.4 | 1.6 | 100.0 |
| Siaya | 92,867 | 20.9 | 0.0 | 0.0 | 0.5 | 59.4 | 17.8 | 1.4 | 0.0 | 100.0 |
| Homa Bay | 31,936 | 42.9 | 0.0 | 0.0 | 0.0 | 32.5 | 19.4 | 3.1 | 2.1 | 100.0 |
| Migori | 81,664 | 70.9 | 0.0 | 1.7 | 0.0 | 15.4 | 12.0 | 0.0 | 0.0 | 100.0 |
| Nyamira | 75,103 | 0.0 | 5.8 | 0.0 | 0.0 | 71.5 | 19.9 | 2.8 | 0.0 | 100.0 |
| Rift Valley Rural | 614,652 | 16.3 | 0.4 | 2.3 | 0.1 | 54.6 | 19.9 | 3.7 | 2.9 | 100.0 |
| Kajiado | 44,261 | 57.7 | 0.6 | 3.0 | 0.5 | 27.2 | 9.2 | 1.9 | 0.0 | 100.0 |
| Kericho | 66,075 | 30.0 | 0.6 | 0.0 | 0.0 | 53.6 | 15.0 | 0.0 | 0.9 | 100.0 |
| Laikipia | 44,960 | 0.9 | 0.0 | 0.0 | 0.0 | 78.1 | 13.4 | 7.6 | 0.0 | 100.0 |
| Nakuru | 141,996 | 1.1 | 0.0 | 5.6 | 0.0 | 55.7 | 33.6 | 3.9 | 0.0 | 100.0 |
| Nandi | 42,638 | 4.9 | 0.0 | 0.0 | 0.0 | 70.6 | 15.7 | 6.3 | 2.5 | 100.0 |
| Narok | 27,452 | 44.6 | 4.3 | 16.1 | 0.0 | 6.9 | 25.7 | 1.5 | 0.8 | 100.0 |
| Bomet | 39,883 | 15.5 | 0.0 | 0.0 | 0.0 | 49.4 | 23.3 | 11.7 | 0.0 | 100.0 |
| Transmara | 20,832 | 36.6 | 0.0 | 0.0 | 0.0 | 22.2 | 6.6 | 2.4 | 32.1 | 100.0 |
| Baringo | 52,117 | 27.3 | 0.0 | 0.7 | 0.4 | 61.0 | 6.0 | 3.0 | 1.5 | 100.0 |
| Elgeyo-Marakwet | 31,333 | 21.8 | 1.0 | 0.0 | 0.0 | 70.4 | 5.9 | 0.5 | 0.4 | 100.0 |
| Trans Nzoia | 40,056 | 2.3 | 0.0 | 0.0 | 0.0 | 70.6 | 27.1 | 0.0 | 0.0 | 100.0 |
| Uasin Gishu | 45,556 | 0.7 | 0.0 | 0.0 | 0.0 | 65.8 | 27.4 | 6.1 | 0.0 | 100.0 |
| West Pokot | 17,493 | 12.2 | 0.0 | 0.0 | 0.0 | 30.0 | 9.3 | 0.0 | 48.4 | 100.0 |
| Western Rural | 273,161 | 3.6 | 0.6 | 2.7 | 0.1 | 73.7 | 13.7 | 4.2 | 1.3 | 100.0 |
| Bungoma | 71,658 | 5.3 | 0.6 | 0.0 | 0.0 | 85.5 | 4.4 | 4.2 | 0.0 | 100.0 |
| Busia | 35,952 | 3.8 | 0.0 | 0.0 | 1.1 | 71.2 | 21.3 | 2.6 | 0.0 | 100.0 |
| Kakamega | 113,193 | 4.2 | 0.0 | 6.5 | 0.0 | 77.4 | 5.0 | 3.7 | 3.2 | 100.0 |
| Vihiga | 52,359 | 0.0 | 2.5 | 0.0 | 0.0 | 51.2 | 39.9 | 6.4 | 0.0 | 100.0 |
| Total Rural | 2,360,925 | 12.1 | 0.7 | 1.6 | 0.1 | 64.4 | 16.0 | 3.8 | 1.2 | 100.0 |
| Total Urban | 635,328 | 2.2 | 36.5 | 9.7 | 0.1 | 29.4 | 18.9 | 2.5 | 0.8 | 100.0 |
| Nairobi | 271,771 | 2.4 | 48.8 | 6.5 | 0.0 | 20.7 | 20.2 | 0.3 | 1.1 | 100.0 |
| Mombasa | 106,004 | 3.4 | 12.5 | 14.1 | 0.0 | 42.3 | 23.7 | 3.9 | 0.0 | 100.0 |
| Kisumu | 22,947 | 0.0 | 27.0 | 1.5 | 0.0 | 47.2 | 10.1 | 14.2 | 0.0 | 100.0 |
| Nakuru | 52,963 | 0.0 | 30.1 | 20.5 | 0.0 | 28.8 | 16.4 | 2.2 | 1.9 | 100.0 |
| Other urban | 181,643 | 2.1 | 35.1 | 9.7 | 0.5 | 32.7 | 15.8 | 3.5 | 0.6 | 100.0 |
| Nation | 2,996,253 | 10.0 | 8.3 | 3.3 | 0.1 | 57.0 | 16.6 | 3.5 | 1.1 | 100.0 |

Annex 9.7 Households with Access to Safe Sanitation

| | Poor | | | Non-Poor | | |
|--------------------------|------------------|-------------|-------------|------------------|-------------|-------------|
| | N | Safe | Unsafe | N | Safe | Unsafe |
| Central Rural | 213,415 | 89.6 | 10.4 | 623,638 | 91.6 | 8.4 |
| Kiambu | 47,638 | 91.6 | 8.4 | 197,563 | 93.4 | 6.6 |
| Kirinyaga | 31,824 | 88.4 | 11.6 | 73,429 | 91.2 | 8.8 |
| Muranga | 72,627 | 97.4 | 2.6 | 153,243 | 95.5* | 4.5 |
| Nyandarua | 19,158 | 82.4 | 17.6 | 66,341 | 84.7 | 15.3 |
| Nyeri | 42,169 | 77.9 | 22.1 | 133,062 | 88.3 | 11.7 |
| Coast Rural | 134,155 | 45.6 | 54.4 | 126,826 | 69.1 | 30.9 |
| Kilifi | 58,978 | 37.3 | 62.7 | 52,939 | 69.7 | 30.3 |
| Kwale | 43,218 | 29.6 | 70.4 | 41,687 | 64.5 | 35.5 |
| Lamu | 3,615 | 79.5 | 20.5 | 8,899 | 76.7 | 23.3 |
| Taita Taveta | 26,169 | 85.9 | 14.1 | 17,859 | 87.6 | 12.4 |
| Tana River | 2,175 | 49.9 | 50.1 | 5,442 | 24.0 | 76.0 |
| Eastern Rural | 377,733 | 51.0 | 49.0 | 34,615 | 60.7 | 39.3 |
| Mbeere | 15,846 | 50.7 | 49.3 | 20,600 | 52.1 | 47.9 |
| Embu | 20,709 | 58.8 | 41.2 | 17,988 | 57.6 | 42.4 |
| Kitui | 76,346 | 79.7 | 20.3 | 49,894 | 56.3 | 43.7 |
| Machakos | 83,626 | 35.7 | 64.3 | 58,285 | 48.8 | 51.2 |
| Meru | 25,521 | 38.3 | 61.7 | 46,402 | 41.7 | 58.3 |
| Makueni | 71,554 | 77.9 | 22.1 | 39,869 | 87.1 | 12.9 |
| Tharaka Nithi | 31,516 | 51.9 | 48.1 | 36,357 | 50.0 | 50.0 |
| Nyambene | 52,615 | 72.2 | 27.8 | 65,219 | 81.7 | 18.3 |
| Nyanza Rural | 497,006 | 48.0 | 52.0 | 388,033 | 54.2 | 45.8 |
| Kisii | 65,271 | 54.5 | 45.5 | 59,503 | 61.6 | 38.4 |
| Kisumu | 71,967 | 48.8 | 51.2 | 46,959 | 66.7 | 33.3 |
| Siaya | 91,266 | 56.0 | 44.0 | 92,867 | 61.3 | 38.7 |
| Homa Bay | 80,198 | 28.2 | 71.8 | 31,936 | 35.6 | 64.4 |
| Migori | 75,268 | 29.8 | 70.2 | 81,664 | 17.1 | 82.9 |
| Nyamira | 113,035 | 63.3 | 36.7 | 75,103 | 80.1 | 19.9 |
| Rift Valley Rural | 479,823 | 48.0 | 52.0 | 614,652 | 60.9 | 39.1 |
| Kajiado | 13,788 | 19.0 | 81.0 | 44,261 | 33.1 | 66.9 |
| Kericho | 61,268 | 40.9 | 59.1 | 66,075 | 54.2 | 45.8 |
| Laikipia | 14,567 | 73.7 | 26.3 | 44,960 | 85.7 | 14.3 |
| Nakuru | 80,657 | 64.3 | 35.7 | 141,996 | 65.2 | 34.8 |
| Nandi | 60,715 | 55.6 | 44.4 | 42,638 | 76.9 | 23.1 |
| Narok | 21,876 | 18.6 | 81.4 | 27,452 | 28.9 | 71.1 |
| Bomet | 55,982 | 40.5 | 59.5 | 39,883 | 61.1 | 38.9 |
| Transmara | 24,135 | 5.7 | 94.3 | 20,832 | 24.7 | 75.3 |
| Baringo | 23,878 | 43.6 | 56.4 | 52,117 | 65.2 | 34.8 |
| Elgeyo-Marakwet | 21,499 | 48.2 | 51.8 | 31,333 | 71.9 | 28.1 |
| Trans Nzoia | 44,555 | 78.6 | 21.4 | 40,056 | 70.6 | 29.4 |
| Uasin Gishu | 27,228 | 70.8 | 29.2 | 45,556 | 71.9 | 28.1 |
| West Pokot | 29,676 | 10.3 | 89.7 | 17,493 | 30.0 | 70.0 |
| Western Rural | 307,028 | 80.8 | 19.2 | 273,161 | 81.4 | 18.6 |
| Bungoma | 67,223 | 86.0 | 14.0 | 71,658 | 90.2 | 9.8 |
| Busia | 55,085 | 72.2 | 27.8 | 35,952 | 74.9 | 25.1 |
| Kakamega | 110,185 | 92.4 | 7.6 | 113,193 | 87.6 | 12.4 |
| Vihiga | 74,535 | 65.3 | 34.7 | 52,359 | 60.1 | 39.9 |
| Total Rural | 2,009,160 | 57.8 | 42.2 | 2,360,925 | 70.7 | 29.3 |
| Total Urban | 478,552 | 60.3 | 39.7 | 635,328 | 78.1 | 21.9 |
| Nairobi | 231,043 | 43.3 | 56.7 | 271,771 | 76.3 | 23.7 |
| Mombasa | 52,127 | 62.9 | 37.1 | 106,004 | 72.9 | 27.1 |
| Kisumu | 30,796 | 84.4 | 15.6 | 22,947 | 89.9 | 10.1 |
| Nakuru | 26,378 | 76.6 | 23.4 | 52,963 | 81.7 | 18.3 |
| Other urban | 138,208 | 79.2 | 20.8 | 181,643 | 81.4 | 18.6 |
| Nation | 2,487,712 | 58.3 | 41.7 | 2,996,253 | 72.3 | 27.7 |

Annex 10.1 Distribution of malnourished Children aged 6-59 months (%)

| Regions | N | Stunting -2SD | Underweight -2SD | Wasting -2SD |
|--------------------------|--------------|------------------|---------------------|-----------------|
| Central Rural | 632 | 37.0 | 17.7 | 5.7 |
| Kiambu | 135 | 47.4 | 14.8 | 4.4 |
| Kirinyaga | 85 | 38.8 | 25.9 | 2.4 |
| Murang'a | 171 | 39.8 | 17.5 | 6.4 |
| Nyandarua | 119 | 21.8 | 12.6 | 8.4 |
| Nyeri | 122 | 35.2 | 20.5 | 5.7 |
| Coast Rural | 461 | 41.9 | 27.3 | 7.8 |
| Kilifi | 162 | 53.7 | 37.7 | 8.0 |
| Kwale | 118 | 41.5 | 12.7 | 0.0 |
| Lamu | 66 | 21.2 | 16.7 | 7.6 |
| Taita Taveta | 88 | 35.2 | 29.5 | 8.0 |
| Tana River | 27 | 44.4 | 48.1 | 40.7 |
| Eastern Rural | 693 | 40.7 | 27.8 | 6.2 |
| Mbeere | 54 | 24.1 | 27.8 | 5.6 |
| Embu | 52 | 23.1 | 21.2 | 5.8 |
| Kitui | 228 | 43.4 | 31.6 | 7.5 |
| Machakos | 100 | 45.0 | 27.0 | 2.0 |
| Meru | 40 | 27.5 | 5.0 | 7.5 |
| Makueni | 104 | 43.3 | 32.7 | 4.8 |
| Tharaka Nithi | 35 | 60.0 | 22.9 | 8.6 |
| Nyambene | 80 | 45.0 | 30.0 | 8.8 |
| Nyanza Rural | 777 | 38.1 | 22.1 | 9.8 |
| Kisii | 215 | 40.5 | 27.4 | 16.7 |
| Kisumu | 176 | 35.2 | 14.8 | 5.7 |
| Siaya | 117 | 37.6 | 22.2 | 5.1 |
| Homa Bay | 65 | 36.9 | 16.9 | 4.6 |
| Migori | 113 | 45.1 | 31.9 | 9.7 |
| Nyamira | 91 | 30.8 | 15.4 | 11.0 |
| Rift Valley Rural | 1,575 | 35.0 | 22.6 | 6.3 |
| Kajiado | 89 | 28.1 | 38.2 | 15.7 |
| Kericho | 108 | 25.9 | 19.4 | 9.3 |
| Laikipia | 102 | 26.5 | 13.7 | 0.0 |
| Nakuru | 157 | 35.0 | 19.7 | 5.7 |
| Nandi | 217 | 30.4 | 19.4 | 3.7 |
| Narok | 93 | 33.3 | 19.4 | 14.0 |
| Bomet | 108 | 56.5 | 24.1 | 1.9 |
| Transmara | 60 | 36.7 | 36.7 | 10.0 |
| Baringo | 152 | 40.8 | 24.3 | 5.9 |
| Elgeyo Marakwet | 105 | 29.5 | 25.7 | 4.8 |
| Trans Nzoia | 139 | 32.4 | 15.1 | 5.8 |
| Uasin Gishu | 156 | 32.7 | 18.6 | 7.7 |
| West Pokot | 89 | 53.9 | 38.2 | 4.5 |
| Western Rural | 613 | 40.6 | 26.4 | 4.6 |
| Bungoma | 312 | 41.0 | 26.9 | 3.5 |
| Busia | 135 | 49.6 | 35.6 | 7.4 |
| Kakamega | 107 | 34.6 | 18.7 | 5.6 |
| Vihiga | 59 | 28.8 | 6.9 | 1.7 |
| Total Rural | 4,751 | 38.0 | 23.6 | 6.7 |
| Urban | 743 | 29.5 | 14.3 | 4.6 |
| Nairobi | 86 | 32.5 | 16.3 | 5.8 |
| Mombasa | 80 | 25.1 | 22.6 | 8.8 |
| Kisumu | 105 | 32.3 | 11.4 | 3.9 |
| Nakuru | 96 | 25.0 | 11.4 | 1.0 |
| Other Towns | 376 | 30.0 | 13.6 | 4.5 |
| Nation | 5,494 | 36.9 | 22.3 | 6.5 |

Annex 10.2 Distribution of malnourished Children aged 6-59 months by Food Poverty (%)

| Region | N | Food Poor | | | Non-Food Poor | | |
|--------------------------|-------------|------------------|---------------------|-----------------|------------------|---------------------|-----------------|
| | | Stunting -2SD | Underweight -2SD | Wasting -2SD | Stunting -2SD | Underweight -2SD | Wasting -2SD |
| Central Rural | 632 | 36.1 | 22.6 | 7.7 | 37.3 | 16.1 | 5.0 |
| Kiambu | 135 | 35.3 | 23.5 | 17.6 | 49.2 | 13.6 | 2.5 |
| Kirinyaga | 85 | 41.4 | 31.0 | 3.4 | 37.5 | 23.2 | 1.8 |
| Murang'a | 171 | 39.6 | 18.9 | 3.8 | 39.8 | 16.9 | 7.6 |
| Nyandarua | 119 | 23.8 | 23.8 | 19.0 | 21.4 | 10.2 | 6.1 |
| Nyeri | 122 | 34.3 | 20.0 | 5.7 | 35.6 | 20.7 | 5.7 |
| Coast Rural | 461 | 50.4 | 29.7 | 6.1 | 32.1 | 24.7 | 9.8 |
| Kilifi | 162 | 58.3 | 39.6 | 9.4 | 47.0 | 34.8 | 6.1 |
| Kwale | 118 | 55.1 | 13.0 | 0.0 | 22.4 | 12.2 | 0.0 |
| Lamu | 66 | 34.8 | 21.7 | 13.0 | 14.0 | 14.0 | 4.7 |
| Taita Taveta | 88 | 39.2 | 37.3 | 5.9 | 29.7 | 18.9 | 10.8 |
| Tana River | 27 | 28.6 | 28.6 | 0.0 | 50.0 | 55.0 | 55.0 |
| Eastern Rural | 693 | 45.8 | 32.5 | 5.8 | 34.4 | 22.2 | 6.8 |
| Mbeere | 54 | 27.3 | 45.5 | 4.5 | 21.9 | 15.6 | 6.3 |
| Embu | 52 | 33.3 | 26.7 | 6.7 | 9.1 | 13.6 | 4.5 |
| Kitui | 228 | 51.0 | 37.2 | 7.6 | 30.1 | 21.7 | 7.2 |
| Machakos | 100 | 51.5 | 30.3 | 0.0 | 32.4 | 20.6 | 5.9 |
| Meru | 40 | 26.7 | 0.0 | 0.0 | 28.0 | 8.0 | 12.0 |
| Makueni | 104 | 42.4 | 31.8 | 6.1 | 44.7 | 34.2 | 2.6 |
| Tharaka Nithi | 35 | 58.8 | 17.6 | 11.8 | 61.1 | 27.8 | 5.6 |
| Nyambene | 80 | 42.9 | 38.1 | 9.5 | 45.8 | 27.1 | 8.5 |
| Nyanza Rural | 777 | 45.2 | 23.8 | 6.6 | 31.8 | 20.6 | 12.6 |
| Kisii | 215 | 54.4 | 30.9 | 5.9 | 34.0 | 25.9 | 21.8 |
| Kisumu | 176 | 40.0 | 13.3 | 5.6 | 30.2 | 16.3 | 5.8 |
| Siaya | 117 | 54.4 | 26.3 | 0.0 | 21.7 | 18.3 | 10.0 |
| Homa Bay | 65 | 34.9 | 14.0 | 4.7 | 40.9 | 22.7 | 4.5 |
| Migori | 113 | 50.9 | 41.5 | 17.0 | 40.0 | 23.3 | 3.3 |
| Nyamira | 91 | 35.2 | 20.4 | 7.4 | 24.3 | 8.1 | 16.2 |
| Rift Valley Rural | 1575 | 37.3 | 24.3 | 4.9 | 33.4 | 21.4 | 7.4 |
| Kajiado | 89 | 18.2 | 27.3 | 0.0 | 31.3 | 41.8 | 20.9 |
| Kericho | 108 | 28.8 | 26.9 | 11.5 | 23.2 | 12.5 | 7.1 |
| Laikipia | 102 | 16.7 | 16.7 | 0.0 | 29.5 | 12.8 | 0.0 |
| Nakuru | 157 | 40.0 | 18.0 | 0.0 | 32.7 | 20.6 | 8.4 |
| Nandi | 217 | 29.5 | 18.8 | 0.9 | 31.4 | 20.0 | 6.7 |
| Narok | 93 | 37.1 | 20.0 | 8.6 | 31.0 | 19.0 | 17.2 |
| Bomet | 108 | 64.5 | 27.4 | 0.0 | 45.7 | 19.6 | 4.3 |
| Transmara | 60 | 37.9 | 48.3 | 10.3 | 35.5 | 25.8 | 9.7 |
| Baringo | 152 | 40.5 | 35.7 | 11.9 | 40.9 | 20.0 | 3.6 |
| Elgeyo Marakwet | 105 | 36.8 | 42.1 | 10.5 | 25.4 | 16.4 | 1.5 |
| Trans Nzoia | 139 | 37.7 | 11.6 | 2.9 | 27.1 | 18.6 | 8.6 |
| Uasin Gishu | 156 | 29.9 | 19.4 | 9.0 | 34.8 | 18.0 | 6.7 |
| West Pokot | 89 | 53.1 | 28.6 | 4.1 | 55.0 | 50.0 | 5.0 |
| Western Rural | 613 | 45.8 | 30.8 | 6.3 | 33.8 | 20.7 | 2.3 |
| Bungoma | 312 | 46.9 | 32.7 | 6.8 | 34.7 | 20.7 | 0.0 |
| Busia | 35 | 55.1 | 37.1 | 6.7 | 39.1 | 32.6 | 8.7 |
| Kakamega | 107 | 36.1 | 21.3 | 6.6 | 32.6 | 15.2 | 4.3 |
| Vihiga | 59 | 34.3 | 22.9 | 2.9 | 20.8 | 8.3 | 0.0 |
| Total Rural | 4751 | 43.0 | 27.2 | 5.9 | 33.9 | 20.6 | 7.4 |
| Total Urban | 743 | 36.4 | 18.6 | 3.6 | 25.9 | 12.0 | 5.1 |
| Nairobi | 86 | 50.0 | 25.0 | 0.0 | 27.3 | 13.6 | 7.6 |
| Mombasa | 80 | 36.8 | 21.1 | 7.9 | 14.3 | 23.8 | 9.5 |
| Kisumu | 105 | 34.0 | 14.9 | 2.1 | 31.0 | 8.6 | 5.2 |
| Nakuru | 96 | 31.8 | 9.1 | 0.0 | 23.0 | 12.2 | 1.4 |
| Other Towns | 376 | 35.7 | 19.8 | 4.0 | 27.2 | 10.4 | 4.8 |
| Nation | 5494 | 42.3 | 26.3 | 5.7 | 32.7 | 19.3 | 7.0 |